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H. Context Class and Target Speed Memorandum

I. RRR Safety Review Report

J. Project Resiliency Vulnerability Map

APPENDIX A

Project Correspondence

APPENDIX A-1

Correspondence

BRIDGE JOINTS

From: Orozco, Pablo J. <Pablo.Orozco@dot.state.fl.us>
Sent: Wednesday, June 12, 2024 7:13 PM
To: Teodoro Tefel
Cc: Hernan Lugo; Hossain, Md; Leon, Alfredo
Subject: RE: TWO-5 FM 452567-1 SR 823 NW 57 Ave - Bridge 870950

I do not believe you need to include the joints in your project. Thanks

Pablo Orozco, P.E., MSCE, CPM
District Six Structures Maintenance Engineer
Florida Department of Transportation
1000 N.W. 111th Avenue
Miami, Florida 33172
Office: (305) 470-5370
Mobile: (786) 512-8870

From: Teodoro Tefel <TTefel@HBCEngineeringCo.com>
Sent: Wednesday, June 12, 2024 4:06 PM
To: Orozco, Pablo J. <Pablo.Orozco@dot.state.fl.us>
Cc: Hernan Lugo <HLugo@hbcengineeringco.com>; Hossain, Md <Md.Hossain@dot.state.fl.us>; Leon, Alfredo <Alfredo.Leon@dot.state.fl.us>
Subject: RE: TWO-5 FM 452567-1 SR 823 NW 57 Ave - Bridge 870950

EXTERNAL SENDER: Use caution with links and attachments.

Pablo,

This email is a follow up to see if the joint replacement of bridge 870950 can be included in a separate bridge project in the future.

Regards,

HBC Engineering Company
Teodoro Tefel, PE
Roadway Engineer
(305) 232-7932 (305) 338-4593
8935 NW 35th Ln, Suite 201 Doral, FL 33172
Visit us at HBCEngineeringco.com

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From: Teodoro Tefel
Sent: Wednesday, June 5, 2024 1:20 PM
To: 'Pablo.Orozco@dot.state.fl.us' <Pablo.Orozco@dot.state.fl.us>
Cc: Hernan Lugo <HLugo@hbcengineeringco.com>; Hossain, Md <Md.Hossain@dot.state.fl.us>
Subject: RE: TWO-5 FM 452567-1 SR 823 NW 57 Ave - Bridge

Pablo,

HBC Engineering is preparing for PLEMO the RRR scoping report for FM 452567-1 SR 823/NW 57 Ave from S of NW 186 St to S of HEFT (87002000 MP 7.752 – 9.399). Attached is the kmz file for your convenience.

We received ERC comment No. 5 below, which says that bridge 870950 may require joint replacement. See attached photo.

Name	Assignment	Due Date	Status
ALFREDO LEON	REVIEWER	3/15/2024	ACTIVE

No	Status	Current Holder	Reference	Categories
5	COMMENT AGREED WITH		Sheet 20	MAINTENANCE

Created By	Created On	Version	Delegate For
ALFREDO LEON	3/11/2024	1	

Bridge 870950 may require joint replacement.

Questions
If bridge joints need to be replacement of the is necessary, can the replacement be included under a separate bridge project?

Thank you,

HBC Engineering Company

Teodoro Tefel, PE
Roadway Engineer

(305) 232-7932 (305) 338-4593

8935 NW 35th Ln, Suite 201 Doral, FL 33172

Visit us at HBCEngineeringco.com

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FDOT FDOT DRAINAGE

From: Teodoro Tefel
Sent: Monday, January 15, 2024 1:53 PM
To: Pulido, Nathaniel
Cc: Hernan Lugo; Pastora, Sheyla
Subject: TWO-5 FM 452567-1 SR 823/NW57Ave - Drainage

Nathan,

HBC Engineering is preparing the RRR scoping report for FM 452567-1 SR 823/NW 57 Ave from S of NW 186 St to S of HEFT (87002000 MP 7.752-9.399). Please provide any information on drainage concerns within the project limits. The scoping report will report whether there is debris in inlets, ponding, and broken inlet covers.

Thank you,

HBC Engineering Company

8935 NW 35th Ln, *Suite 201*
Doral, FL 33172

Visit us at
www.hbcengineeringco.com
or follow us on
LinkedIn

Teodoro Tefel, PE
Project Control Manager
O (305) 232-7932
C (305) 338-4593
ttefel@hbcengineeringco.com

CAUTION: This email was originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

FDOT 18 KIP ESAL

From: Hossain, Md <Md.Hossain@dot.state.fl.us>
Sent: Tuesday, January 30, 2024 4:18 PM
To: Godfrey Lamptey; Hernan Lugo
Cc: Teodoro Tefel; Victoria Buxton-Tetteh
Subject: FW: 18 Kips Esal Report Request FM 452563-1 _ FM 452567-1 & FM 452568-1
Attachments: 4. 18 KIP 452563-1_SR 973_SS.pdf; 5. 18 KIP 452567-1_SR 823_SS.pdf; 6. 18 KIP 452568-1_SR 969_SS.pdf

FYI

From: Calleja, Ana M. <AnaM.Calleja@dot.state.fl.us>
Sent: Tuesday, January 30, 2024 3:22 PM
To: Hossain, Md <Md.Hossain@dot.state.fl.us>
Subject: FW: 18 Kips Esal Report Request FM 452563-1 _ FM 452567-1 & FM 452568-1

Hi MD,
Attached please find three 18 kips completed. We received also the hardcopies. Just let me know if you need them.
Thanks

Ana M. Calleja, P.E.
District Statistics Administrator
Planning and Environmental Management Office
Florida Department of Transportation, District 6
Adam Leigh Cann Building
1000 NW 111th Avenue, Room 6111
Miami, Florida 33172

Phone: (305) 470-5373, Fax: (305) 470-5205
E-mail: anam.calleja@dot.state.fl.us

From: Suresh Allu <Sallu@ctseinc.com>
Sent: Tuesday, January 30, 2024 3:15 PM
To: Calleja, Ana M. <AnaM.Calleja@dot.state.fl.us>
Cc: Sheng Yang <Syang@ctseinc.com>
Subject: RE: 18 Kips Esal Report Request FM 452563-1 _ FM 452567-1 & FM 452568-1

Good afternoon Ana,

Attached please find electronic copies of the reports with sign and seal.

Thank you,
Suresh

From: Calleja, Ana M. <AnaM.Calleja@dot.state.fl.us>
Sent: Monday, January 29, 2024 4:48 PM
To: Suresh Allu <Sallu@ctseinc.com>
Subject: FW: 18 Kips Esal Report Request FM 452563-1 _ FM 452567-1 & FM 452568-1

FDOT PAVEMENT DEPRESSION 1
SECTION 1 OF 4

From: Vajta, Bencze <Bencze.Vajta@dot.state.fl.us>
Sent: Thursday, February 29, 2024 10:44 AM
To: Teodoro Tefel; Hernan Lugo; Hossain, Md
Cc: Salazar, Leonard; Marrero, Renato; Guevara, Jose; Taylor, Zachary
Subject: RE: TWO-5 FM 452567-1 SR 823/NW57Ave - Maintenance Items..

Follow Up Flag: Follow up
Flag Status: Completed

Some people who received this message don't often get email from bencze.vajta@dot.state.fl.us. Learn why this is important

Morning,
North Dade Maintenace will handle repairs of the items listed below with the exception of item number 5. Item 5 should definitely remain in the scope of the project. Thanks.

FM 452567-1 SR 823/NW 57 AVE FROM S OF NW 186 ST TO S OF HEFT

LIST OF OBSERVED MAINTENANCE ITEMS 1/22/24

No.	Station/Side	Features	Description
1	792+16 RT NW 57 Ave and NW 189th St.	Inlet	Chipped face of top curb inlet and debris in inlet
2	799+93 RT NW 57 Ave & NW 191ST ST.	Sidewalk panel	Cracked sidewalk panel
3	817+37 RT	Curb and gutter	Broken curb and gutter at median nose
4	NW 57 Ave & NW 202nd St 835+00 LT	Lighting pull box	Broken concrete slab around pull box
5	865+70 RT	Pavement Depression	Pavement depression affecting northbound lanes 150' north of Bridge 870950. Jose Guevara stated that (2/2/24, 305-640-7156), the FDOT Maintenance Office will repair this pavement depression
6	866+38 RT	Sidewalk Panel	Tripping hazard at inlet and broken sidewalk

North Dade Maintenace will NOT handle repairs of the pavement depression.

Ben Vajta, P.E.
North Dade Maintenance Engineer
Florida Department of Transportation, District 6
1773 NE 205 Street
North Miami Beach, FL 33179
Office: (305) 640-7165
Cell: (954) 445-9091
Bencze.Vajta@dot.state.fl.us

From: Marrero, Renato <Renato.Marrero@dot.state.fl.us>
Sent: Thursday, February 15, 2024 1:47 PM
To: Vajta, Bencze <Bencze.Vajta@dot.state.fl.us>
Cc: Hossain, Md <Md.Hossain@dot.state.fl.us>; Hernan Lugo <HLugo@hbcengineeringco.com>; Teodoro Tefel <TTefel@HBCEngineeringCo.com>; Salazar, Leonard <Leonard.Salazar@dot.state.fl.us>
Subject: FW: TWO-5 FM 452567-1 SR 823/NW57Ave - Maintenance Items

Good afternoon all. Ben, please see below and attached. Let us know which items Maintenance will handle since they are severe and meet our criteria, and which the Consultant needs to keep in their report. TY

From: Teodoro Tefel <TTefel@HBCEngineeringCo.com>
Sent: Thursday, February 15, 2024 11:34 AM
To: Marrero, Renato <Renato.Marrero@dot.state.fl.us>; Salazar, Leonard <Leonard.Salazar@dot.state.fl.us>
Cc: Hossain, Md <Md.Hossain@dot.state.fl.us>; Hernan Lugo <HLugo@hbcengineeringco.com>
Subject: TWO-5 FM 452567-1 SR 823/NW57Ave - Maintenance Items

EXTERNAL SENDER: Use caution with links and attachments.

Renato, Leonard,

HBC Engineering is preparing the RRR scoping report for FM 452567-1 SR 823/NW 57 Ave from S of NW 186th St. to S of HEFT (87002000 MP 7.752 – 9.399). Please find attached a list of maintenance items for your consideration that were observed during field review.

In accordance with the new RRR guidelines, please provide the timeframe in which the reported maintenance items will be completed.

Please contact me if you require any additional information.

Regards,

HBC Engineering Company

8935 NW 35th Ln, *Suite 201*
Doral, FL 33172

Teodoro Tefel, PE
Project Control Manager

O (305) 232-7932
C (305) 338-4593

ttefel@hbcengineeringco.com

Visit us at **www.hbcengineeringco.com** or follow us on LinkedIn

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FDOT PAVEMENT DEPRESSION 2
SECTION 2 OF 4

SEE TEMPORARY SOLUTION DESIGN OVERBUILD DETAIL PREPARED BY THE DEISGN OFFICE IN THE NEXT 2 PAGES

From: Ruiz, Diego <Diego.Ruiz@dot.state.fl.us>
Sent: Monday, December 4, 2023 2:50 PM
To: Guevara, Jose
Cc: Fuentes, Karina; Taylor, Jeanna
Subject: FW: Asphalt depression at SR 823, NW 57th
Attachments: SR 823 NW 57 Pavement Depression.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Jose,

We finally got some time to work on this detail and we are sorry it took so long.

Please let us know if the attached detail will suffice.

Thanks,

Diego Ruiz, P.E
In-House Consultant – HDR Engineering, Inc.
Florida Department of Transportation - District 6
(305) 470-5494
diego.ruiz@dot.state.fl.us

From: Fuentes, Karina <Karina.Fuentes@dot.state.fl.us>
Sent: Tuesday, November 14, 2023 12:55 PM
To: Ruiz, Diego <Diego.Ruiz@dot.state.fl.us>
Subject: FW: Asphalt depression at SR 823, NW 57th

Please refresh my memory, were you going to work on the detail?

Karina Fuentes. P.E., CPM
District Design Engineer
FDOT District 6, Miami FL
Phone: 305-470-5310
www.fdot.gov

From: Fuentes, Karina
Sent: Tuesday, November 14, 2023 12:54 PM
To: Guevara, Jose <Jose.Guevara@dot.state.fl.us>
Cc: Taylor, Zachary <Zachary.Taylor@dot.state.fl.us>; Hossain, Md <Md.Hossain@dot.state.fl.us>; Ruiz, Diego

<Diego.Ruiz@dot.state.fl.us>
Subject: RE: Asphalt depression at SR 823, NW 57th

Good afternoon Jose and Zach:

As per our conversation, we recommend overbuild as a temporary solution until our RRR project resurfaces the pavement. We will provide a detail as requested.

Thanks,

Karina Fuentes. P.E., CPM
District Design Engineer
FDOT District 6, Miami FL
Phone: 305-470-5310
www.fdot.gov

From: Guevara, Jose <Jose.Guevara@dot.state.fl.us>
Sent: Thursday, October 19, 2023 2:30 PM
To: Fuentes, Karina <Karina.Fuentes@dot.state.fl.us>
Cc: Taylor, Zachary <Zachary.Taylor@dot.state.fl.us>; Hossain, Md <Md.Hossain@dot.state.fl.us>
Subject: RE: Asphalt depression at SR 823, NW 57th

Krina,

Thank you for your time and information provided.

Regards,

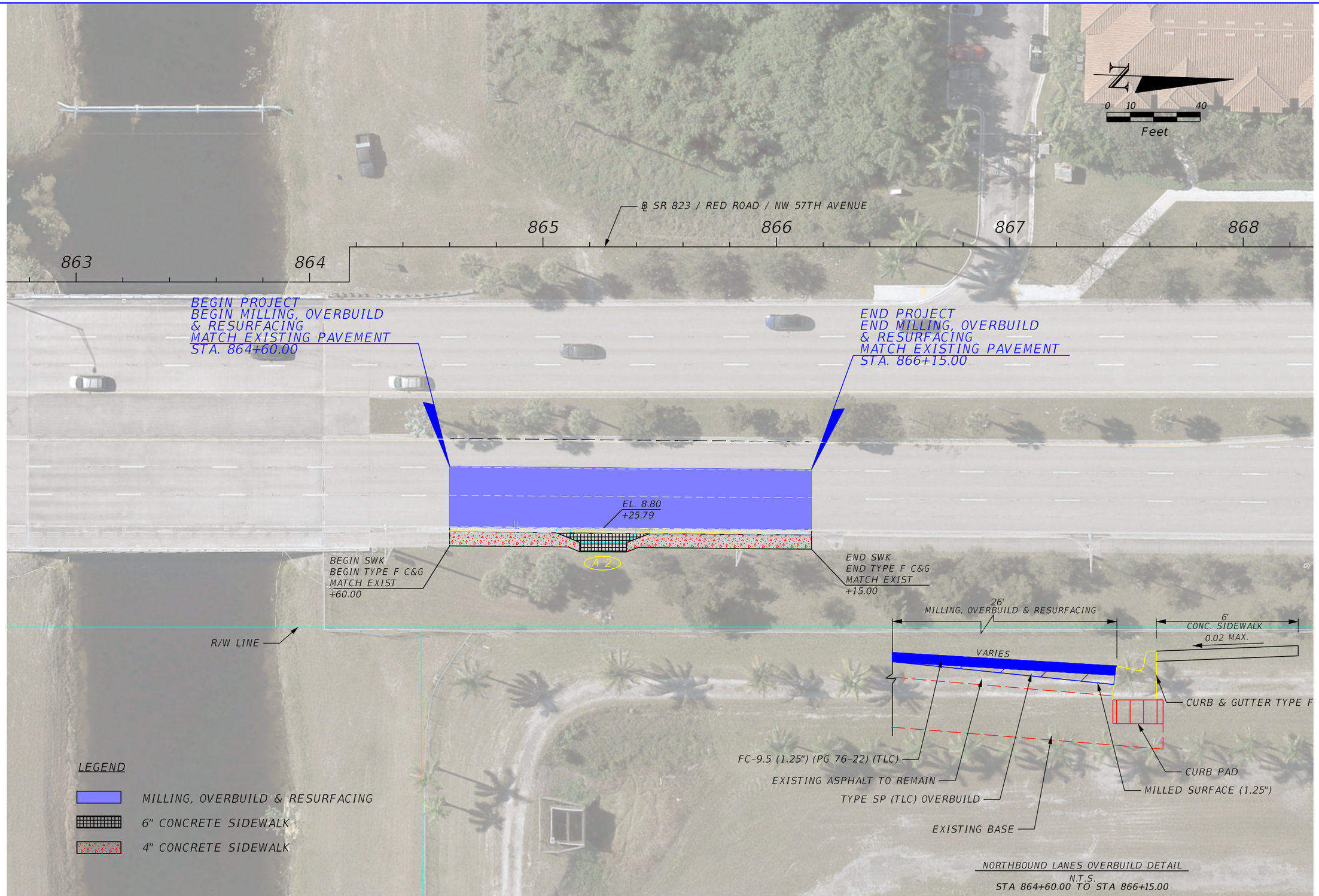
Jose Guevara
North Dade Maintenance / Roadway Area Manager
O: 305.640.7156 | C: 954.445.9089
1773 NE 205th Street North Miami Beach, FL 33179

From: Fuentes, Karina <Karina.Fuentes@dot.state.fl.us>
Sent: Thursday, October 19, 2023 1:57 PM
To: Guevara, Jose <Jose.Guevara@dot.state.fl.us>
Cc: Taylor, Zachary <Zachary.Taylor@dot.state.fl.us>; Hossain, Md <Md.Hossain@dot.state.fl.us>
Subject: RE: Asphalt depression at SR 823, NW 57th

Hi Jose.

I apologize for not getting back to you sooner. I don't have much to share but wanted to follow up with the little information I have at this time. Let us look into additional information we may have and get back to you with a preliminary assessment. In the meantime, let me know if you have any questions or wish to discuss.

Without exploring the area (geotechnical, perhaps drainage and survey, etc…) we may not know the cause of the problem making it hard to provide potential solutions. I went through several as-builts and found a few projects in the area, but I didn't see anything that would have contributed to this depression (see below). It may be far out but wanted to let you know that we do have a RRR project (FM 452567-1) programmed to start scoping December of this year, with a letting date of 2/24/2027. I am coping Md from our scoping unit, so he is aware of this issue.



NORTHBOUND LANES OVERBUILD DETAIL
N.T.S.
STA 864+60.00 TO STA 866+15.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FDOT

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

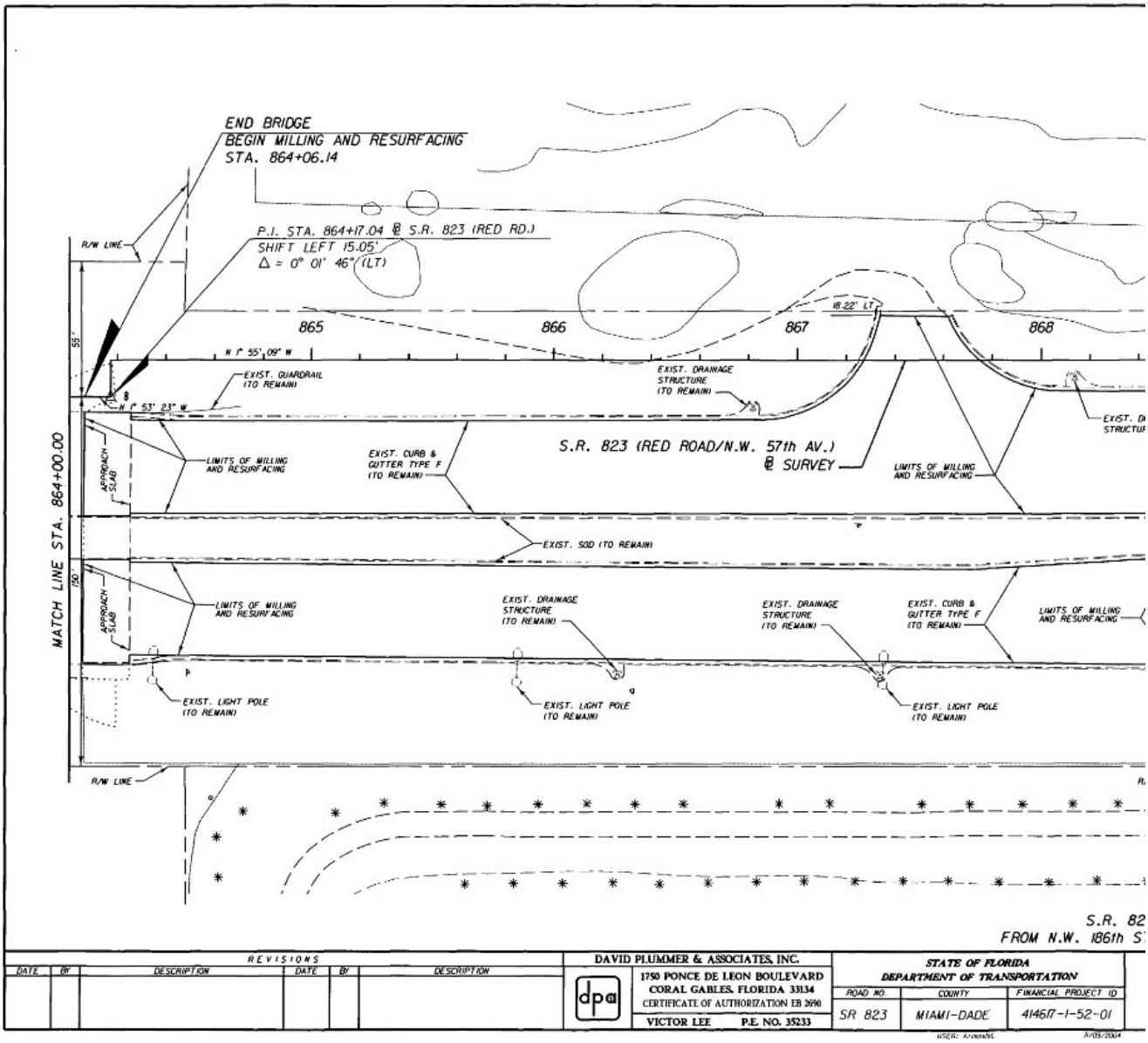
ROAD NO.	COUNTY
SR 823	MIAMI-DADE

ROADWAY PLAN

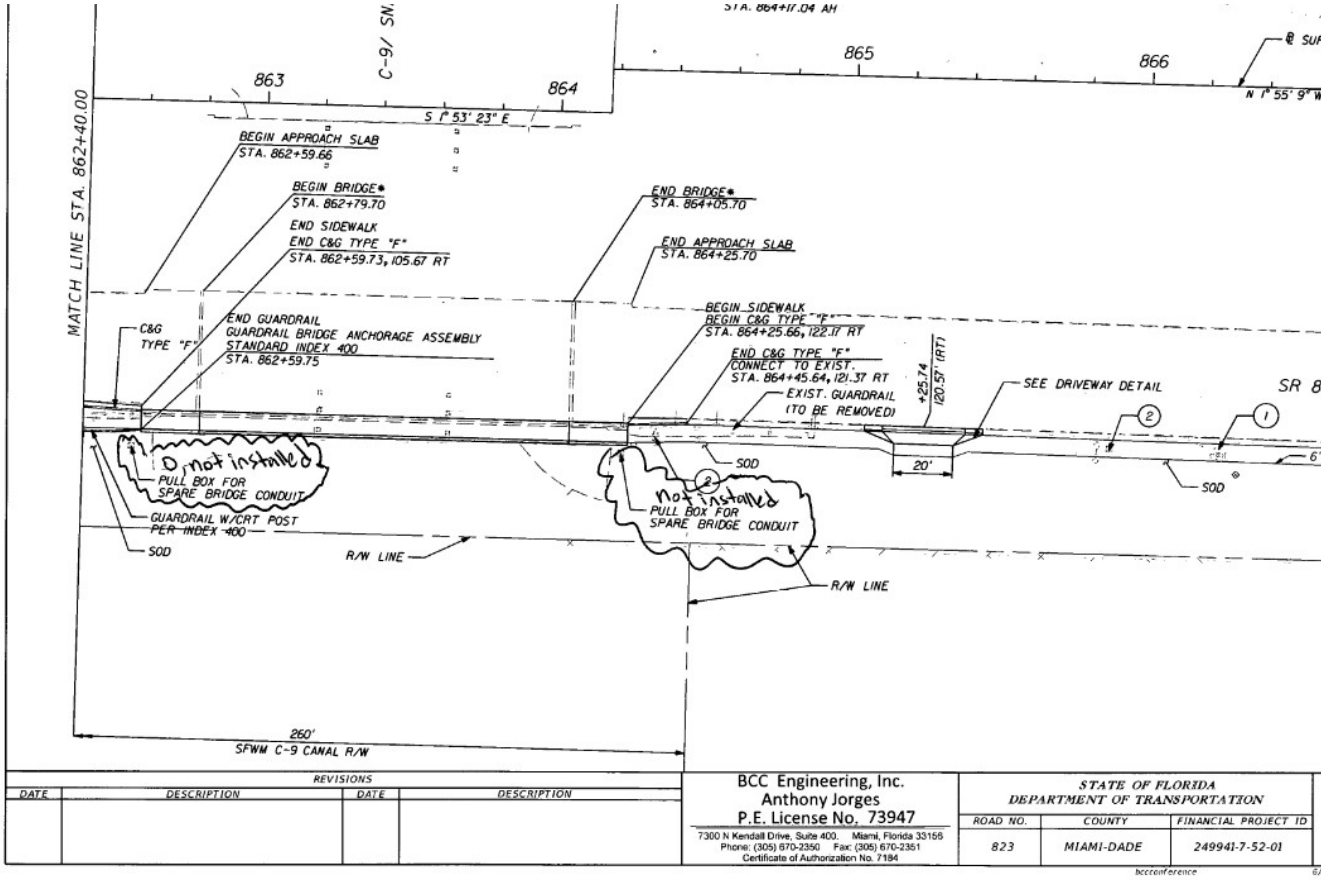
SHEET NO.

KNHDRDR 11/21/2023 9:59:43 AM C:\Users\knhdrdr\OneDrive - Florida Department of Transportation\PM Support\SR 823 N

1. In 2006, NW 57th Ave was milled and resurfaced within the area of the depression (FM 414617-1).



2. In 2015 a sidewalk was added within the limits of the depression (FM249941-7). Plans do not have pavement information. Depression is likely not attributable to this project.



Karina Fuentes. P.E., CPM
District Design Engineer
FDOT District 6, Miami FL
Phone: 305-470-5310
www.fdot.gov

From: Guevara, Jose <Jose.Guevara@dot.state.fl.us>
Sent: Thursday, October 19, 2023 11:10 AM
To: Fuentes, Karina <Karina.Fuentes@dot.state.fl.us>
Cc: Taylor, Zachary <Zachary.Taylor@dot.state.fl.us>
Subject: RE: Asphalt depression at SR 823, NW 57th

Hi Karina,

Do you any update on this issue?

Thank you,

Jose Guevara
North Dade Maintenance / Roadway Area Manager
O: 305.640.7156 | C: 954.445.9089
1773 NE 205th Street North Miami Beach, FL 33179

From: Guevara, Jose
Sent: Thursday, September 14, 2023 10:01 AM

To: Fuentes, Karina <Karina.Fuentes@dot.state.fl.us>
Cc: Taylor, Zachary <Zachary.Taylor@dot.state.fl.us>
Subject: Asphalt depression at SR 823, NW 57th

GM Karina,

Hope you are doing well. Our office received a complaint regarding a depression at NW 57th Ave, picture below & attached. Per our site visit the far-right lane & center lane has a significant dip causing cars to bottom out. Notice the black marks and scratches in the asphalt. We would like your feedback on possible solutions to address this issue with our Asphalt contractor.

Thank you for your advice.

Jose Guevara
North Dade Maintenance / Roadway Area Manager
O: 305.640.7156 | C: 954.445.9089
1773 NE 205th Street North Miami Beach, FL 33179

FDOT PAVEMENT DEPRESSION 3
SECTION 3 OF 4

BASED ON CONVERSATION WITH JOSE GUEVARA (2/2/24), THE FDOT MAINTENANCE OFFICE WILL REPAIR THE PAVEMENT DEPRESSION.
THE REPAIR IS NOT SCHEDULED AT THIS TIME.

From: Teodoro Tefel <TTefel@HBCEngineeringCo.com>
Sent: Friday, February 2, 2024 3:01 PM
To: Guevara, Jose <Jose.Guevara@dot.state.fl.us>
Cc: Hernan Lugo <HLugo@hbcengineeringco.com>; Hossain, Md <Md.Hossain@dot.state.fl.us>
Subject: RE: TWO-5 FM 452567-1 SR 823/NW 57 Ave - Maintenance Items Detail

Jose,

Thank you for the construction detail you sent me today. According to our phone conversation, the FDOT Maintenance Office will repair the pavement depression on northbound NW 57 Ave. The pavement depression is 150' north of bridge 870950.

When maintenance completes the internal coordination, then please tell me what the repair date is.

Regards,

HBC Engineering Company
8935 NW 35th Ln, *Suite 201*
Doral, FL 33172

Teodoro Tefel, PE
Project Control Manager
O (305) 232-7932
C (305) 338-4593
ttefel@hbcengineeringco.com

Visit us at www.hbcengineeringco.com or follow us on LinkedIn

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From: Guevara, Jose <Jose.Guevara@dot.state.fl.us>
Sent: Friday, February 2, 2024 2:40 PM
To: Teodoro Tefel <TTefel@HBCEngineeringCo.com>
Subject: FW: TWO-5 FM 452567-1 SR 823/NW 57 Ave - Maintenance Items Detail

You don't often get email from jose.guevara@dot.state.fl.us. Learn why this is important

Teo,

Please see the attached email from Design regarding the depression at NW 57th Ave. I will let you know about our office's decision about this issue.

Thank you for reaching out.

Jose Guevara
North Dade Maintenance / Roadway Area Manager
O: 305.640.7156 | C: 954.445.9089
1773 NE 205th Street North Miami Beach, FL 33179

FDOT PAVEMENT DEPRESSION 4
SECTION 4 OF 4

From: Hossain, Md <Md.Hossain@dot.state.fl.us>
Sent: Wednesday, November 15, 2023 8:18 AM
To: Teodoro Tefel
Cc: Hernan Lugo
Subject: FW: Asphalt depression at SR 823, NW 57th.

Follow Up Flag: Follow up
Flag Status: Flagged

FYI - FM 452567-1

From: Fuentes, Karina <Karina.Fuentes@dot.state.fl.us>
Sent: Tuesday, November 14, 2023 12:54 PM
To: Guevara, Jose <Jose.Guevara@dot.state.fl.us>
Cc: Taylor, Zachary <Zachary.Taylor@dot.state.fl.us>; Hossain, Md <Md.Hossain@dot.state.fl.us>; Ruiz, Diego <Diego.Ruiz@dot.state.fl.us>
Subject: RE: Asphalt depression at SR 823, NW 57th

Good afternoon Jose and Zach:

As per our conversation, we recommend overbuild as a temporary solution until our RRR project resurfaces the pavement. We will provide a detail as requested.

Thanks,

Karina Fuentes. P.E., CPM
District Design Engineer
FDOT District 6, Miami FL
Phone: 305-470-5310
www.fdot.gov

From: Guevara, Jose <Jose.Guevara@dot.state.fl.us>
Sent: Thursday, October 19, 2023 2:30 PM
To: Fuentes, Karina <Karina.Fuentes@dot.state.fl.us>
Cc: Taylor, Zachary <Zachary.Taylor@dot.state.fl.us>; Hossain, Md <Md.Hossain@dot.state.fl.us>
Subject: RE: Asphalt depression at SR 823, NW 57th

Krina,

Thank you for your time and information provided.

Regards,

Jose Guevara
North Dade Maintenance / Roadway Area Manager
O: 305.640.7156 | C: 954.445.9089
1773 NE 205th Street North Miami Beach, FL 33179

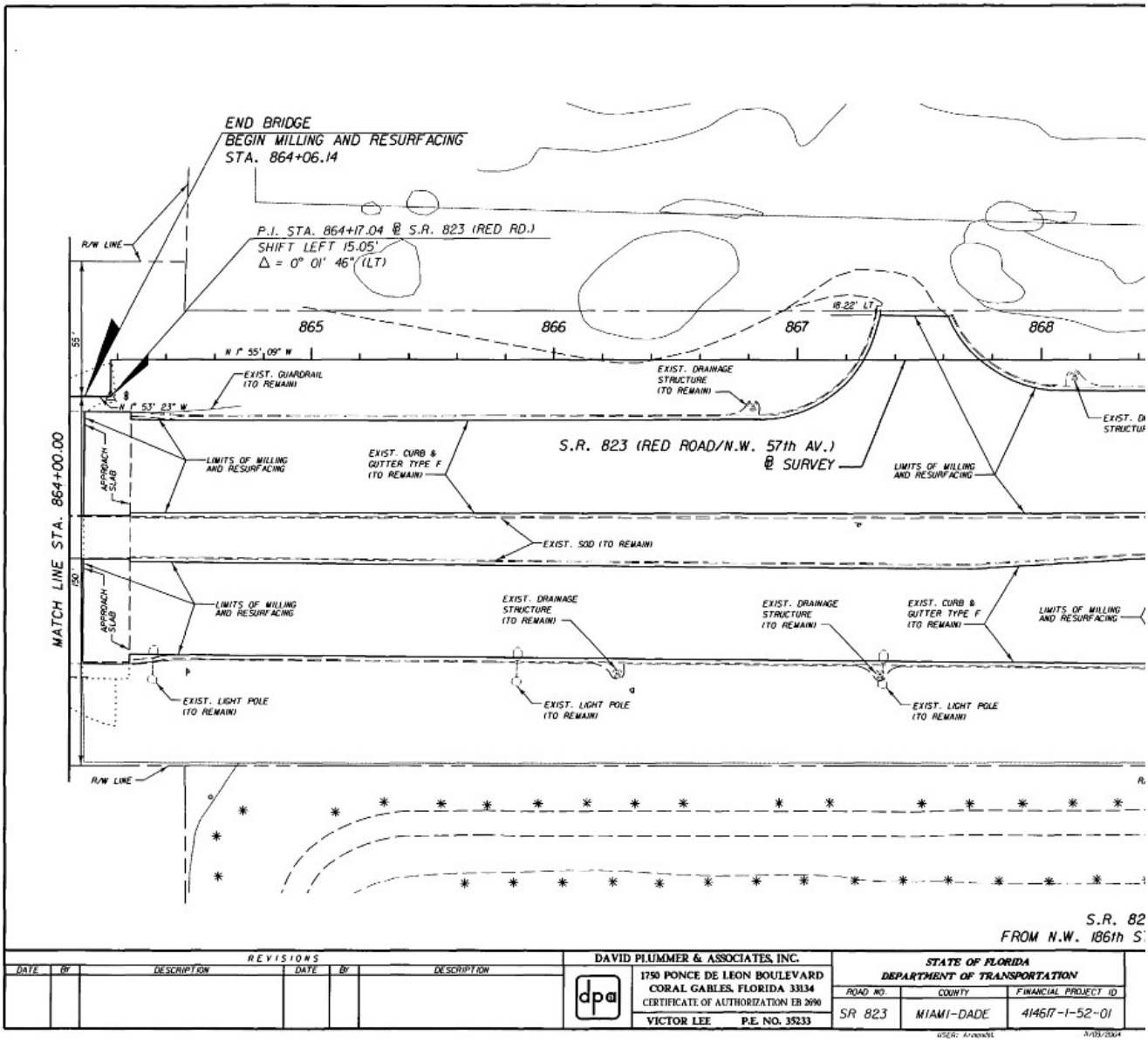
From: Fuentes, Karina <Karina.Fuentes@dot.state.fl.us>
Sent: Thursday, October 19, 2023 1:57 PM
To: Guevara, Jose <Jose.Guevara@dot.state.fl.us>
Cc: Taylor, Zachary <Zachary.Taylor@dot.state.fl.us>; Hossain, Md <Md.Hossain@dot.state.fl.us>
Subject: RE: Asphalt depression at SR 823, NW 57th

Hi Jose.

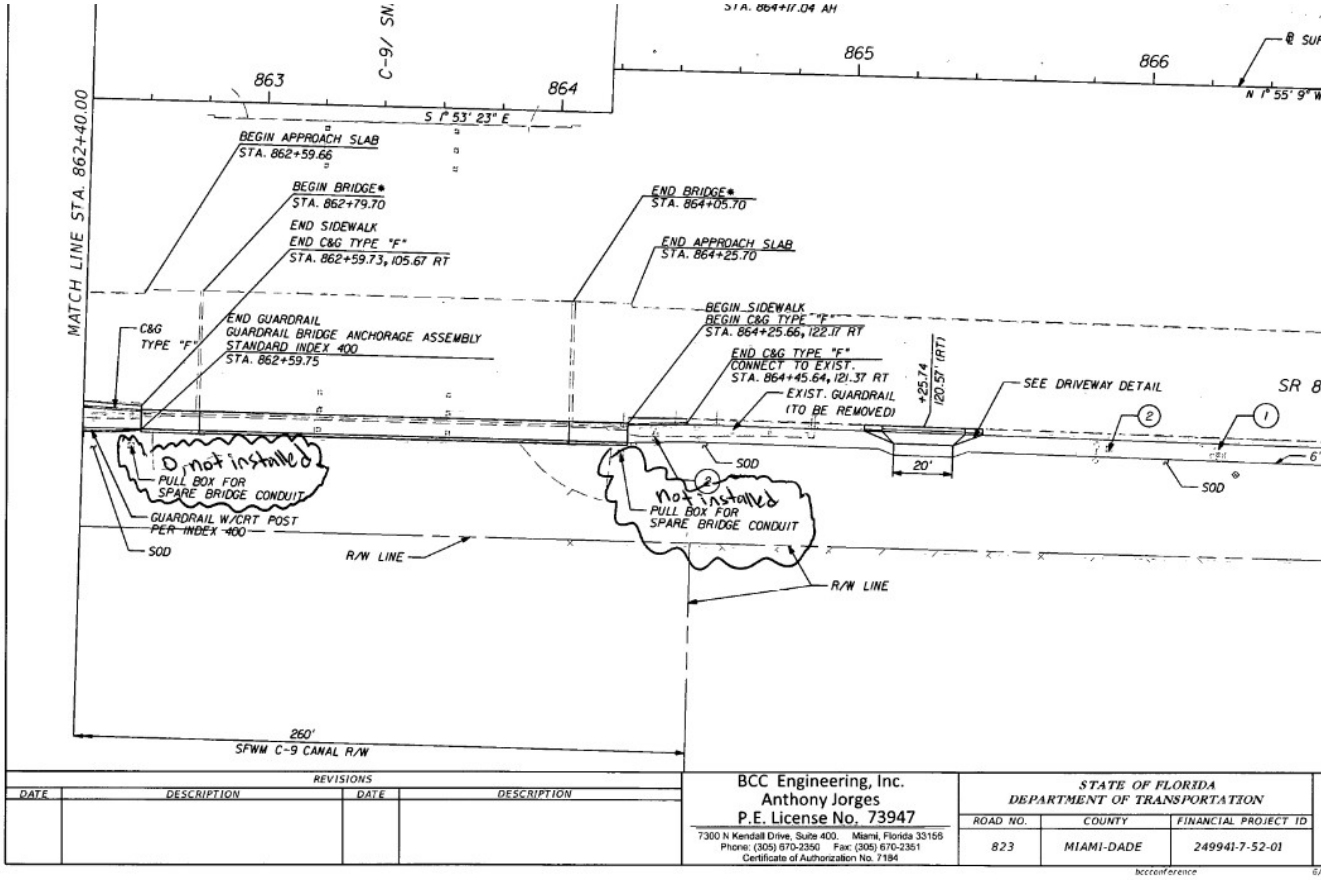
I apologize for not getting back to you sooner. I don't have much to share but wanted to follow up with the little information I have at this time. Let us look into additional information we may have and get back to you with a preliminary assessment. In the meantime, let me know if you have any questions or wish to discuss.

Without exploring the area (geotechnical, perhaps drainage and survey, etc…) we may not know the cause of the problem making it hard to provide potential solutions. I went through several as-builts and found a few projects in the area, but I didn't see anything that would have contributed to this depression (see below). It may be far out but wanted to let you know that we do have a RRR project (FM 452567-1) programmed to start scoping December of this year, with a letting date of 2/24/2027. I am coping Md from our scoping unit, so he is aware of this issue.

1. In 2006, NW 57th Ave was milled and resurfaced within the area of the depression (FM 414617-1).



2. In 2015 a sidewalk was added within the limits of the depression (FM249941-7). Plans do not have pavement information. Depression is likely not attributable to this project.



Karina Fuentes. P.E., CPM
District Design Engineer
FDOT District 6, Miami FL
Phone: 305-470-5310
www.fdot.gov

From: Guevara, Jose <Jose.Guevara@dot.state.fl.us>
Sent: Thursday, October 19, 2023 11:10 AM
To: Fuentes, Karina <Karina.Fuentes@dot.state.fl.us>
Cc: Taylor, Zachary <Zachary.Taylor@dot.state.fl.us>
Subject: RE: Asphalt depression at SR 823, NW 57th

Hi Karina,

Do you any update on this issue?

Thank you,

Jose Guevara
North Dade Maintenance / Roadway Area Manager
O: 305.640.7156 | C: 954.445.9089
1773 NE 205th Street North Miami Beach, FL 33179

From: Guevara, Jose
Sent: Thursday, September 14, 2023 10:01 AM

To: Fuentes, Karina <Karina.Fuentes@dot.state.fl.us>
Cc: Taylor, Zachary <Zachary.Taylor@dot.state.fl.us>
Subject: Asphalt depression at SR 823, NW 57th

GM Karina,

Hope you are doing well. Our office received a complaint regarding a depression at NW 57th Ave, picture below & attached. Per our site visit the far-right lane & center lane has a significant dip causing cars to bottom out. Notice the black marks and scratches in the asphalt. We would like your feedback on possible solutions to address this issue with our Asphalt contractor.

Thank you for your advice.

Jose Guevara
North Dade Maintenance / Roadway Area Manager
O: 305.640.7156 | C: 954.445.9089
1773 NE 205th Street North Miami Beach, FL 33179

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FDOT DRAINAGE

From: Teodoro Tefel
Sent: Monday, January 15, 2024 1:53 PM
To: Pulido, Nathaniel
Cc: Hernan Lugo; Pastora, Sheyla
Subject: TWO-5 FM 452567-1 SR 823/NW57Ave - Drainage

Nathan,

HBC Engineering is preparing the RRR scoping report for FM 452567-1 SR 823/NW 57 Ave from S of NW 186 St to S of HEFT (87002000 MP 7.752-9.399). Please provide any information on drainage concerns within the project limits. The scoping report will report whether there is debris in inlets, ponding, and broken inlet covers.

Thank you,

HBC Engineering Company

8935 NW 35th Ln, *Suite 201*
Doral, FL 33172

Visit us at
www.hbcengineeringco.com
or follow us on
LinkedIn

Teodoro Tefel, PE
Project Control Manager
O (305) 232-7932
C (305) 338-4593
ttefel@hbcengineeringco.com

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FDOT MAINTENANCE REPAIRS

From: Vajta, Bencze <Bencze.Vajta@dot.state.fl.us>
Sent: Thursday, February 15, 2024 1:49 PM
To: Marrero, Renato
Cc: Hossain, Md; Hernan Lugo; Teodoro Tefel; Salazar, Leonard
Subject: Re: TWO-5 FM 452567-1 SR 823/NW57Ave - Maintenance Items

Follow Up Flag: Follow up
Flag Status: Flagged

You don't often get email from bencze.vajta@dot.state.fl.us. Learn why this is important

Sure. We will review and advise. Thanks.

Ben Vajta, P.E.
ND Maintenance

From: Marrero, Renato <Renato.Marrero@dot.state.fl.us>
Sent: Thursday, February 15, 2024 1:46:30 PM
To: Vajta, Bencze <Bencze.Vajta@dot.state.fl.us>
Cc: Hossain, Md <Md.Hossain@dot.state.fl.us>; Hernan Lugo <HLugo@hbcengineeringco.com>; Teodoro Tefel <TTefel@HBCEngineeringCo.com>; Salazar, Leonard <Leonard.Salazar@dot.state.fl.us>
Subject: FW: TWO-5 FM 452567-1 SR 823/NW57Ave - Maintenance Items

Good afternoon all. Ben, please see below and attached. Let us know which items Maintenance will handle since they are severe and meet our criteria, and which the Consultant needs to keep in their report. TY

From: Teodoro Tefel <TTefel@HBCEngineeringCo.com>
Sent: Thursday, February 15, 2024 11:34 AM
To: Marrero, Renato <Renato.Marrero@dot.state.fl.us>; Salazar, Leonard <Leonard.Salazar@dot.state.fl.us>
Cc: Hossain, Md <Md.Hossain@dot.state.fl.us>; Hernan Lugo <HLugo@hbcengineeringco.com>
Subject: TWO-5 FM 452567-1 SR 823/NW57Ave - Maintenance Items

EXTERNAL SENDER: Use caution with links and attachments.

Renato, Leonard,

HBC Engineering is preparing the RRR scoping report for FM 452567-1 SR 823/NW 57 Ave from S of NW 186th St. to S of HEFT (87002000 MP 7.752 – 9.399). Please find attached a list of maintenance items for your consideration that were observed during field review.

In accordance with the new RRR guidelines, please provide the timeframe in which the reported maintenance items will be completed.

Please contact me if you require any additional information.

FDOT MAINTENANCE SIDEWALK-HANDRAIL - PAVEMENT - DEPRESSION

From: TTefel@HBCEngineeringCo.com
To: Guevara, Jose
Subject: RE: TWO-5 FM 452567-1 SR 823/NW 57 Ave - Maintenance Items Detail

---

From: Guevara, Jose <Jose.Guevara@dot.state.fl.us>
Sent: Thursday, February 8, 2024 4:08 PM
To: Teodoro Tefel <TTefel@HBCEngineeringCo.com>
Cc: Hernan Lugo <HLugo@hbcengineeringco.com>; Hossain, Md <Md.Hossain@dot.state.fl.us>
Subject: RE: TWO-5 FM 452567-1 SR 823/NW 57 Ave - Maintenance Items Detail

Thank you Teo.

We already replaced the existing sidewalk to address the trip hazard. Also, we are working with our Contractor to repair the asphalt depression.

Regards,

Jose Guevara
North Dade Maintenance / Roadway Area Manager
O: 305.640.7156 | C: 954.445.9089
1773 NE 205th Street North Miami Beach, FL 33179

From: Teodoro Tefel <TTefel@HBCEngineeringCo.com>
Sent: Thursday, February 8, 2024 3:45 PM
To: Guevara, Jose <Jose.Guevara@dot.state.fl.us>
Cc: Hernan Lugo <HLugo@hbcengineeringco.com>; Hossain, Md <Md.Hossain@dot.state.fl.us>
Subject: RE: TWO-5 FM 452567-1 SR 823/NW 57 Ave - Maintenance Items Detail

Jose,

Please check the responses to the issues you raised in your email below:

a. Evaluate for possible sidewalk extension or handrail.
   Response:
   -Sidewalk widening is a non-RRR improvement. The existing sidewalk is wider than 4 feet. Please note that due to the trip hazards circled in red below, several sidewalk slabs would need to be repaired by Maintenance.

   -According to FDM Figure 222.4.1, a pedestrian railing is justified when the drop-off is greater than 10 inches within 2 feet from the back of curb. Based on field observations, the drop-off was less than 10".

b. Red Circles in Pictures show the location of some of the tripping hazards.

Thank you,

HBC Engineering Company

8935 NW 35th Ln, *Suite 201*
Doral, FL 33172

Teodoro Tefel, PE
Project Control Manager

O (305) 232-7932
C (305) 338-4593

ttefel@hbcengineeringco.com

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From: Guevara, Jose <Jose.Guevara@dot.state.fl.us>
Sent: Thursday, February 8, 2024 1:29 PM
To: Teodoro Tefel <TTefel@HBCEngineeringCo.com>
Cc: Hernan Lugo <HLugo@hbcengineeringco.com>; Hossain, Md <Md.Hossain@dot.state.fl.us>
Subject: RE: TWO-5 FM 452567-1 SR 823/NW 57 Ave - Maintenance Items Detail

Hi Teo,

I visited the reference project and please advise if you can add these issues to your project scope. The below issue runs NB from NW 199th St. to NW 202nd St.

Please let me know if you have any questions or recommendations for this issue.

Regards,

Jose Guevara
North Dade Maintenance / Roadway Area Manager
O: 305.640.7156 | C: 954.445.9089
1773 NE 205th Street North Miami Beach, FL 33179

FDOT MAINTENANCE

Cc: Salazar, Leonard <Leonard.Salazar@dot.state.fl.us>; Hernan Lugo <HLugo@hbcengineeringco.com>; Hossain, Md <Md.Hossain@dot.state.fl.us>
Subject: TWO-26 FM 449944-1 SR A1A/Collins Ave - Maintenance Items

Renato,

In accordance with the new RRR guidelines, scoping reports will include who will perform the repairs and the timeframe in which the reported maintenance items will be completed. For this reason, I need the FDOT Maintenance Office to send me this information as soon as possible.

Regards,

HBC Engineering Company
8935 NW 35th Ln, *Suite 201*
Doral, FL 33172

Teodoro Tefel, PE
Project Control Manager
O (305) 232-7932
C (305) 338-4593
ttefel@hbcengineeringco.com

Visit us at **www.hbcengineeringco.com** or follow us on LinkedIn

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Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful.
If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From: Marrero, Renato <Renato.Marrero@dot.state.fl.us>
Sent: Friday, January 26, 2024 9:23 AM
To: Taylor, Zachary <Zachary.Taylor@dot.state.fl.us>; Vajta, Bencze <Bencze.Vajta@dot.state.fl.us>
Cc: Teodoro Tefel <TTefel@HBCEngineeringCo.com>; Salazar, Leonard <Leonard.Salazar@dot.state.fl.us>; Hernan Lugo <HLugo@hbcengineeringco.com>
Subject: FW: TWO-26 FM 449944-1 SR A1A/Collins Ave - Maintenance Items

GM all.

NDM, please review the attached and let the Design team know which locations did not meet our threshold so they can determine if they should add in their scope. TY

From: Teodoro Tefel <TTefel@HBCEngineeringCo.com>
Sent: Thursday, January 25, 2024 6:00 PM
To: Marrero, Renato <Renato.Marrero@dot.state.fl.us>; Salazar, Leonard <Leonard.Salazar@dot.state.fl.us>
Cc: Hernan Lugo <HLugo@hbcengineeringco.com>
Subject: TWO-26 FM 449944-1 SR A1A/Collins Ave - Maintenance Items

EXTERNAL SENDER: Use caution with links and attachments.

Renato, Leonard,

FDOT MAINTENANCE

From: Woods, Faithe <Faithe.Woods@dot.state.fl.us>
Sent: Thursday, January 18, 2024 10:53 AM
To: Marrero, Renato
Cc: Hernan Lugo; Teodoro Tefel; Salazar, Leonard
Subject: RE: TWO-5 FM 452567-1 SR 823/NW57Ave - Maintenance
Attachments: SR 823_Maintenance.xlsx

You don't often get email from faithe.woods@dot.state.fl.us. Learn why this is important

Good morning,

Please see attached and let me know if I can assist further.

Thank you!

Faithe Woods
Senior Clerk
Florida Department of Transportation
D6 North Dade Maintenance
Office: (305) 640-7129
Email: Faithe.Woods@dot.state.fl.us

From: Marrero, Renato <Renato.Marrero@dot.state.fl.us>
Sent: Thursday, January 18, 2024 10:13 AM
To: Woods, Faithe <Faithe.Woods@dot.state.fl.us>
Cc: Hernan Lugo <HLugo@hbcengineeringco.com>; Teodoro Tefel <TTefel@HBCEngineeringCo.com>; Salazar, Leonard <Leonard.Salazar@dot.state.fl.us>
Subject: FW: TWO-5 FM 452567-1 SR 823/NW57Ave - Maintenance

GM all. Faithe, please see request below. TY

From: Teodoro Tefel <TTefel@HBCEngineeringCo.com>
Sent: Monday, January 15, 2024 1:57 PM
To: Marrero, Renato <Renato.Marrero@dot.state.fl.us>; Salazar, Leonard <Leonard.Salazar@dot.state.fl.us>
Cc: Hernan Lugo <HLugo@hbcengineeringco.com>
Subject: TWO-5 FM 452567-1 SR 823/NW57Ave - Maintenance

EXTERNAL SENDER: Use caution with links and attachments.

Work Order Number	Work Order Date	Work Order Type	Work Detail	Maintenance Area
201608-395	"8/30/2016, 4:35 PM"	Asphalt	NB SR 823/NW 57 Ave before NW 199th ST - Water Valve cover appears to be missing/flipped. Can potentially harm a vehicles tire. Routed to MDWAS	Outside Agency
202207-9114	"7/6/2022, 9:54 AM"	Asphalt	SR 823/ NW 57 Ave near 19232-19498 -Sinkhole reported	N.Dade
201802-2205	"2/22/2018, 11:52 AM"	Debris / Litter	"SR 823/NW 57 Ave SB from NW 199 ST to NW 138 ST, RT Shldr - Debris on RT Shldr require sweeping operation."	N.Dade
202101-5117	"1/20/2021, 4:05 PM"	Debris / Litter	SR 823 / NW 57 AVE & NW 191 ST - DEBRIS - TIRE IN NEED OF REMOVAL/ TREES NEEDING TO BE PICKED UP.	N.Dade
202209-9620	"9/22/2022, 3:48 PM"	Debris / Litter	SR 823/NW 57 AV and NW 199TH street - We received a call regarding a discarded mattress and other furniture debris.	N.Dade
202302-10196	"2/23/2023, 12:47 PM"	Debris / Litter	SR 823/NW 57 AV AND NW 199TH ST- A dump truck spilled excessive amounts of sand at the intersection.	N.Dade
201606-60	"6/28/2016, 10:17 AM"	Guardrail	"SR 823/NW 57 Ave @ NW 199 ST Damaged - 62.5 Radius Rail, 25LF of Guardrail (8) Plastic Blocks (8) Steel Post in Asphalt"	N.Dade
201609-411	"9/1/2016, 3:54 PM"	Guardrail	"SB SR 823/NW 57 Ave at NW 199 ST - Damaged 12.5LF of Guardrail, (1) Plastic Block"	N.Dade
201609-412	"9/1/2016, 4:10 PM"	Guardrail	SB SR 823/NW 57 Ave 400' N/O NW 202 ST - Damaged 25LF of Guardrail (5) Wood Blocks (5) Wood Post in Asphalt)	N.Dade
201611-771	"11/29/2016, 3:37 PM"	Guardrail	SR 823/NW 57 Ave SB at NW 199 ST - Damaged 25' of Shop Bent Rail (1) Plastic Block (2) Steel Post in asphalt	N.Dade
201705-1333	"5/10/2017, 9:59 AM"	Guardrail	SR 823/NW 57 Ave SB 250' n/O NW 203 ST- Damaged 25LF of Guardrail (3) Wood Blocks (4) Wood Post in Asphalt	N.Dade
201709-1794	"9/5/2017, 9:43 AM"	Guardrail	"SR 823/NW 57 Ave SB at NW 191 ST- Damaged 12.5' of Shop Bent Guardrail, (1) Wood Block"	N.Dade
201710-1872	"10/17/2017, 12:00 AM"	Guardrail	SR 823/NW 57 Ave SB at NW 199 ST- Damaged 25' of Shop Bent Rail 25LF of Guardrail (5) Plastic BLocks (5) Steel Post in asphalt	N.Dade
201710-1873	"10/17/2017, 5:11 PM"	Guardrail	"SR 823/NW 57 Ave SB at NW 199 ST - Damaged 25' of Shop Bent Rail, 25LF of Guardrail (5) Plastic BLocks (5) Steel Post in Asphalt"	N.Dade
201711-1918	"11/8/2017, 11:11 AM"	Guardrail	SR 823/NW 57th Ave SB at NW 202 ST - Damaged 25LF of Guardrail (2) Wood Blocks	N.Dade
201809-2858	"9/12/2018, 9:35 AM"	Guardrail	SR 823 NW 57TH AVE AT NW 202ND ST 37.5 LF OF GUARDRAIL 25' OF SHOP BENT RAIL (8) - WOOD POST IN ASPHALT (9) - WOOD BLOCKS (1) - REFLECTOR	N.Dade
201812-3058	"12/6/2018, 12:00 AM"	Guardrail	SR 823 / NW 57th Ave and NW 189th St SB / Damaged Guardrail / 12.5 LF of Guardrail 25' of Shop Bent Rail (1) - Steel Post in Soil (4)- Wood Blocks	N.Dade
201905-3478	"5/29/2019, 8:45 AM"	Guardrail	SR 823 / NW 57th Ave and NW 202nd St SB / 12.5 LF of Guardrail 75' of Shop Bent Rail (11) - Wood Blocks (10) - Steel Post in Asphalt	N.Dade
201907-3574	"7/22/2019, 12:00 AM"	Guardrail	SR 823/ NW 57 AVE & NW 202 ST - DAMAGED GUARDRAIL - 62.5' OF SHOP BENT RAIL (7) - PLASTIC BLOCKS (7) - STEEL POST IN ASPHALT (2) - REFLECTORS	N.Dade
202007-4559	"7/24/2020, 12:00 AM"	Guardrail	SR 823 NW 57 AVE SB 400' N/O NW 204 ST	N.Dade
202008-4601	"8/10/2020, 12:00 AM"	Guardrail	SR 823 NW 57 AVE SB AT NW 202 ST 25 LF OF GUARDRAIL	N.Dade
202102-5184	"2/2/2021, 12:00 AM"	Guardrail	SR 823 NW 57 AVE SB AT NW 204 ST - GUARDRAIL HIT	N.Dade
202106-5702	"6/17/2021, 12:00 AM"	Guardrail	SR 823 NW 57 AVE SB 400' N/O NW 204 ST - DAMAGED GUARDRAIL	N.Dade
202109-7083	"9/2/2021, 12:00 AM"	Guardrail	SR 823 NW 57 AVE SB AT NW 202 ST - DAMAGED GUARDRAIL	N.Dade
202111-7245	"11/1/2021, 7:05 AM"	Guardrail	SR 823 NW 57 AV SB AT NW 191 ST 25' OF SHOP BENT RAIL (1) - PLASTIC BLOCK (1) - STEEL POST IN ASPHALT	N.Dade
202112-7347	"12/8/2021, 12:00 AM"	Guardrail	SR 823 NW 57 AV SB AT NW 202 ST 12.5' OF SHOP BENT RAIL (1) - PLASTIC BLOCK (1) - STEEL POST IN ASPHALT	N.Dade
202301-10037	"1/9/2023, 11:10 AM"	Guardrail	SR 823/NW 57 Av (SB) at NW 204 St - damaged guardrail. see attached.	N.Dade
202303-10228	"3/7/2023, 12:00 AM"	Guardrail	SR 823/NW 57 AV (SB) AT NW 191 ST- 12.5' OF SHOP BENT RAIL 12.5 LF OF GUARDRAIL (2)- WOOD BLOCKS (2)- WOOD POST IN ASPHALT.	N.Dade
202306-10655	"6/19/2023, 11:47 AM"	Guardrail	SR 823/NW 57 AVE (SB) AT NW 191 ST- 12.5 LF OF GUARDRAIL (6)- PLASTIC BLOCKS	N.Dade
202307-10752	"7/9/2023, 12:00 AM"	Guardrail	SR 823/NW 57 AV (SB) AT NW 202 ST- 75' OF SHOP BENT RAIL (11)- STEEL POST IN ASPHALT (12)- PLASTIC BLOCKS (4)- REFLECTORS (2.08) TONS OF ASPHALT	N.Dade
202308-11867	"8/4/2023, 12:00 AM"	Guardrail	SR 823/NW 57 AV SB at NW 199 ST - 25' of shop bent rail 12.5 LF of guardrail (2)- steel post in asphalt (2)- plastic blocks 1.04 tons of asphalt.	N.Dade
201808-2821	"8/29/2018, 2:34 PM"	Pothole	A motorist advised of a pothole in right lane in NB direction affecting traffic. SR 823 / NW 189 Street & NW 57 Avenue NB	N.Dade
201809-2879	"9/20/2018, 10:18 AM"	Pothole	"Miss, Marcele w/ Cove Spinnaker the property manager called to report large pot holes in the area of (SR 823) nw 189th st and 57th Avenue. Contact number is (305)721-0014."	N.Dade
202101-5112	"1/13/2021, 12:00 AM"	Restricted Drain	SR 823/ NW 57 AVE & NW 199 ST - CLOGGED DRAINS	N.Dade
201607-124	"7/19/2016, 5:24 PM"	Signs	Northbound SR 823/NW 57 Ave @ NW 202 ST - Replace/Reinstall Keep Right Sign	N.Dade
201608-338	"8/18/2016, 11:04 AM"	Signs	SR 823/NW 57 Ave in median between NW 199 ST & NW 202 ST - 'Stadium' sign is knocked down in median.	N.Dade
201901-3127	"1/10/2019, 12:00 AM"	Signs	SR 823 NW 57th Ave and NW 195th Dr. SB / Reinstall Back to Back 45 MPH	N.Dade
202002-4236	"2/25/2020, 4:04 PM"	Signs	SR 823 NW 57 AVE NB 60' S/O THE RAMP TO TPK ON RAMP - DOWN SIGN - REINSTALL/REPAIR TPK SIGN	N.Dade
202003-4308	"3/25/2020, 3:55 PM"	Signs	SR 823 NE 57 AVE SB AT OFF RAMP FROM THE TPK - DOWN SIGN - REINSTALL SIGNS AND REPLACE SLIP BASE TOP	N.Dade
202011-4935	"11/18/2020, 12:00 AM"	Signs	SR 823 NW 57 AVE SB 400' S/O TPK OFF RAMP - DOWN SIGN - REPLACE/REINSTALL 45 MPH ON TUBING	N.Dade
202012-5030	"12/28/2020, 1:13 PM"	Signs	SR 823 NW 57 AVE SB 200' N/O NW 199 ST - REINSTALL I-BEAM TO BASE AND INSTALL MISSING SIGN BOLTS	N.Dade
202107-6785	"7/8/2021, 10:09 AM"	Signs	"SR 823 NW 57 AVE NB AT NW 202 ST - MISSING SIGN - ""KEEP RIGHT"""	N.Dade
202108-6959	"8/10/2021, 12:00 AM"	Signs	"SR 823 NW 57 AVE SB AT NW 202 ST - DOWN SIGN -""KEEP RIGHT"""	N.Dade
202108-7027	"8/24/2021, 12:00 AM"	Signs	"SR 823 NW 57 AVE SB 200' S/O TPK ON RAMP - DOWN SIGN - ""SPEED LIMIT 45"""	N.Dade
202206-9039	"6/20/2022, 8:05 AM"	Signs	SR 823/ NW 57 AV (SB) 300' N/O NW 202 ST- Reinstall I-Beam to base and replace Z BAR	N.Dade
202209-9584	"9/15/2022, 10:18 AM"	Signs	SR 823/NW 57 AV 400' N/O NW 202 ST- Missing 'No Stopping/Standing' sign	N.Dade
202210-9680	"10/4/2022, 8:06 AM"	Signs	SR 823 NW 57 AV S/O TPK- Down sign; 'Do Not Enter'	N.Dade
202210-9681	"10/4/2022, 12:00 AM"	Signs	SR 823/NW 57 AV 300' S/O TPK- Missing bridge object marker	N.Dade
202301-10045	"1/11/2023, 10:29 AM"	Signs	"SR 823/NW 57 Av & NW 199TH ST - ""FHP is handling a crash where a state road sign has been knocked down. North Dade Maintenance will be contacted. FHP case # FHP23ON0016973 and incident # RCC23IN0025609."""	N.Dade
202301-10054	"1/12/2023, 12:00 AM"	Signs	SR 823/NW 57 AV at NW 199 Street- Replace/Reinstall 'North 823' and Florida Turnpike sign	N.Dade
202302-10178	"2/20/2023, 12:00 AM"	Signs	SR 823/NW 57 AV (SB) 200' S/O NW 189 ST- Reinstall NO U TURN/Replace tubing.	N.Dade
202305-10533	"5/24/2023, 1:00 PM"	Signs	SR 823/NW 57 AVE 200' OF S/O NW 189 ST- REPLACE AND REINSTALL DOWN SIGN	N.Dade
202308-11861	"8/3/2023, 11:34 AM"	Signs	SR 823/Red Road/NW 57 Av NB at SW 45 ST- Reinstall Down Sign (Needs New Slip Base Top)	N.Dade
202310-12198	"10/20/2023, 12:00 AM"	Signs	SR 817/N.W. 27th Ave N/B 200Ft. S/O 199th ST. - Reinstall Missing Right Lane Must Turn Right	N.Dade
202107-6854	"7/20/2021, 10:05 AM"	Trees	SR 823 NW 57 AVE & NW 202 ST - 2 TREES - 1 TREE DOWN IN NEED OF REMOVAL - ANOTHER TREE LEANING	N.Dade
202107-6862	"7/20/2021, 12:00 AM"	Trees	SR 823 NW 57 AVE & SW 45 ST - REMOVE DEAD PALM TREES	N.Dade
202108-7050	"8/30/2021, 12:00 AM"	Trees	SR 823 NW 57 AVE & NW 192 ST - REMOVE DOWN TREE	N.Dade
202010-4781	"10/14/2020, 12:00 AM"	Weeds / Brush	SR 823 - NW 57th Ave & NW 204th St - Shrubs are in need of removal - schedule with contractor	N.Dade

From: Rafael S. Aguilar <rsaguilar@choiceeng.com>
Sent: Wednesday, January 17, 2024 8:53 AM
To: Teodoro Tefel; Hernan Lugo; MD Rahman
Cc: Yee Fong, Shereen; Leo Francis; McWilliams, John (John.McWilliams@kimley-horn.com)
Subject: RE: TWO-5 FM 452567-1 SR 823/NW57Ave - Pedestrian/Bicyclists

Follow Up Flag: Follow up
Flag Status: Completed

You don't often get email from rsaguilar@choiceeng.com. Learn why this is important

Good morning Teodoro, the ADA group has not received any complaints within the limits of this project. There were no comments were made for this corridor as part of the 2022 Quality Assessment Review (QAR). A full ADA based review will be conducted during the design phase.

Note: Per our coordination and discussions with FDOT Internal Design and other FDOT offices, it has been determined that on 3R project, damaged sidewalks and missing detectable warning material is to be coordinated through the Maintenance office so they can address said issues early in the process.

Thank You,

Rafael S. Aguilar, PE
Senior Project Manager | Principal
1551 Sawgrass Corporate Parkway, Suite 440
Sunrise, Florida 33323
Office: (954) 251-4393
Office: (786) 250-5526
Cell: (305) 310-6914
Choice Engineering Consultants
www.ChoiceEng.com

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From: Yee Fong, Shereen <Shereen.YeeFong@dot.state.fl.us>
Sent: Tuesday, January 16, 2024 7:43 AM
To: Rafael S. Aguilar <rsaguilar@choiceeng.com>; Leo Francis <lfrancis@choiceeng.com>; McWilliams, John (John.McWilliams@kimley-horn.com) <John.McWilliams@kimley-horn.com>
Subject: FW: TWO-5 FM 452567-1 SR 823/NW57Ave - Pedestrian/Bicyclists

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FDOT RW MAP/FILE

From: Gonzalez, Israel <Israel.Gonzalez@dot.state.fl.us>
Sent: Tuesday, January 16, 2024 11:26 AM
To: Negrin, X; Teodoro Tefel; Firpi, Gustavo
Cc: Hossain, Md; Hernan Lugo
Subject: RE: TWO-5 FM 452567-1 SR 823_NW57Ave - Pedestrian_Bicyclists
Attachments: RW87002.dgn

Follow Up Flag: Follow up
Flag Status: Completed

Good morning

Please see attached a cad file for request area.

Best regards
Israel

From: Negrin, X <X.Negrin@dot.state.fl.us>
Sent: Tuesday, January 16, 2024 9:04 AM
To: Teodoro Tefel <TTefel@HBCEngineeringCo.com>; Firpi, Gustavo <Gustavo.Firpi@dot.state.fl.us>; Gonzalez, Israel <Israel.Gonzalez@dot.state.fl.us>
Cc: Hossain, Md <Md.Hossain@dot.state.fl.us>; Hernan Lugo <HLugo@hbcengineeringco.com>
Subject: RE: TWO-5 FM 452567-1 SR 823_NW57Ave - Pedestrian_Bicyclists

Good morning Israel,
Please provide the request below.

Best regards,

X A. Negrin, PSM
District R/W Surveyor
Florida Department of Transportation
District VI, Adam Leigh Cann Bldg.
Surveying and Mapping, Room 6212B
1000 NW 111 Avenue
Miami, FL 33172
305-470-5242
X.Negrin@dot.state.fl.us

This message is intended for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If you are not the intended recipient, please notify the sender, delete this message, and do not use, disseminate, or copy its contents. Thank you.

From: Teodoro Tefel <TTefel@HBCEngineeringCo.com>
Sent: Monday, January 15, 2024 1:45 PM
To: Negrin, X <X.Negrin@dot.state.fl.us>; Firpi, Gustavo <Gustavo.Firpi@dot.state.fl.us>

FDOT SURVEY FILE

From: Gonzalez, Israel <Israel.Gonzalez@dot.state.fl.us>
Sent: Tuesday, January 16, 2024 11:26 AM
To: Negrin, X; Teodoro Tefel; Firpi, Gustavo
Cc: Hossain, Md; Hernan Lugo
Subject: RE: TWO-5 FM 452567-1 SR 823_NW57Ave - Pedestrian_Bicyclists
Attachments: RW87002.dgn

Good morning

Please see attached a cad file for request area.

Best regards
Israel

From: Negrin, X <X.Negrin@dot.state.fl.us>
Sent: Tuesday, January 16, 2024 9:04 AM
To: Teodoro Tefel <TTefel@HBCEngineeringCo.com>; Firpi, Gustavo <Gustavo.Firpi@dot.state.fl.us>; Gonzalez, Israel <Israel.Gonzalez@dot.state.fl.us>
Cc: Hossain, Md <Md.Hossain@dot.state.fl.us>; Hernan Lugo <HLugo@hbcengineeringco.com>
Subject: RE: TWO-5 FM 452567-1 SR 823_NW57Ave - Pedestrian_Bicyclists

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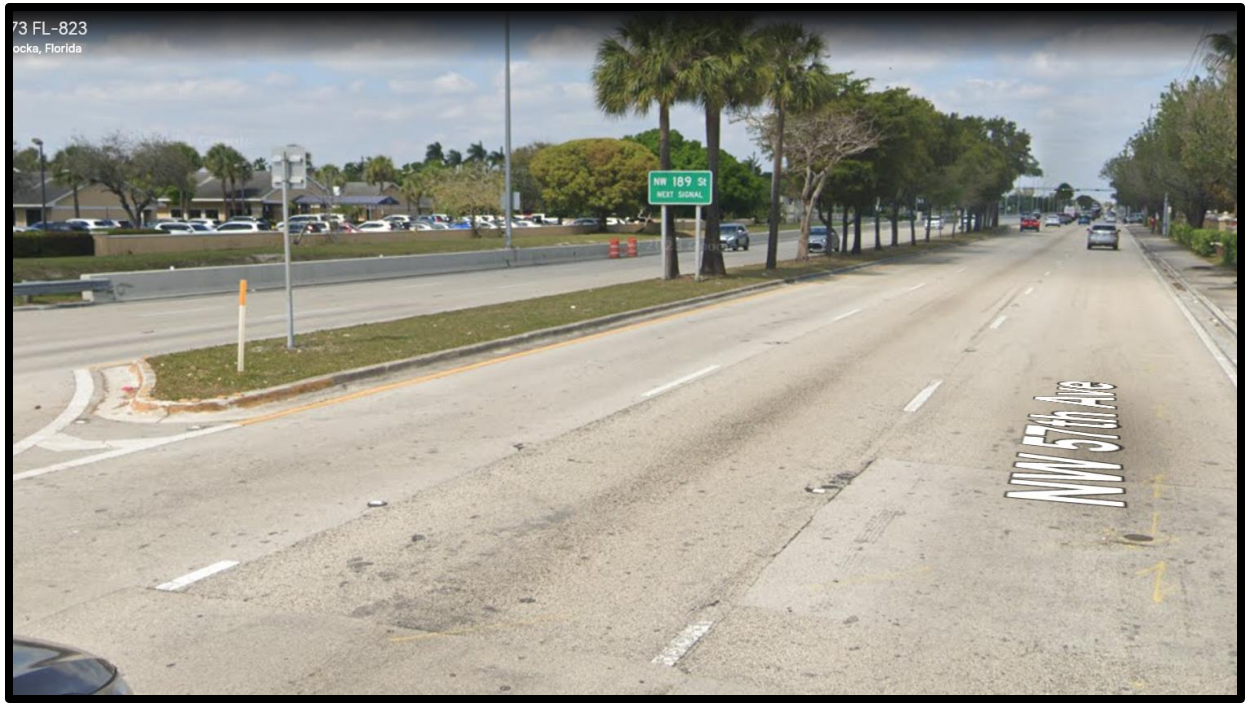
Subject: TWO-5 FM 452567-1 SR 823_NW57Ave - Pedestrian_Bicyclists

APPENDIX A-2

Scoping Committee Presentation



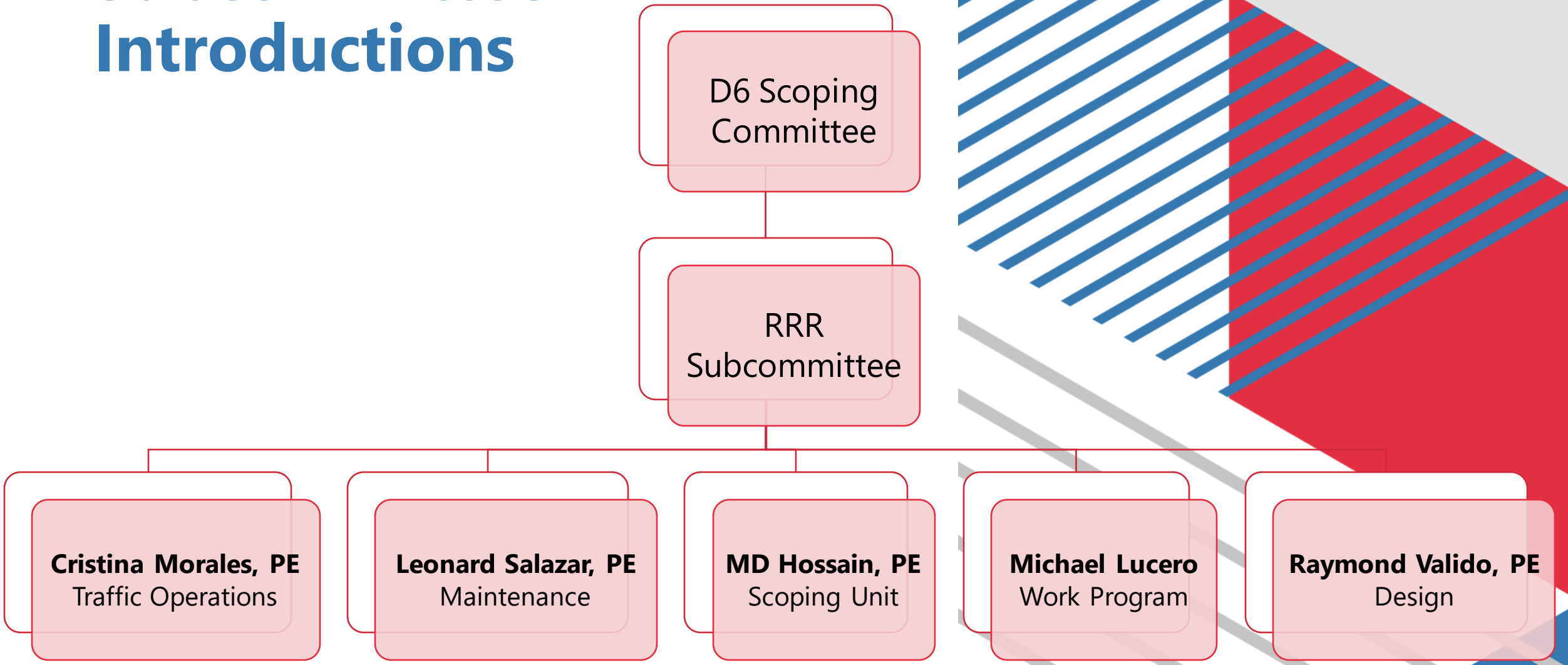
RRR Scoping Subcommittee Review

452567-1: SR 823/NW 57TH AVENUE/RED RD FROM S. OF NW 186TH STREET TO S. OF HEFT

Agenda

- **Committee Introduction**
- **Project Limits**
- **FDM 114 RRR Requirements**
- **Subcommittee Presentation**
  - RRR (Funding Group A)
  - Safety Improvements with Safety Funds (Funding Group B1)
  - Safety Improvements without Safety Funds (Funding Group B2)
  - Other non RRR/Safety/ADA Improvements (Funding Group C)
  - Items to be forwarded to maintenance

Subcommittee Introductions



452567-1 Project Information

State Road: 823 (NW 57th Avenue/Red Road)

Limits: FROM S. OF NW 186TH STREET TO S. OF HEFT.

Length: 1.647

Lane Miles: 9.882 miles

Functional Classification: Urban Principal Arterial Other

Context Classification: C3R – Suburban Residential

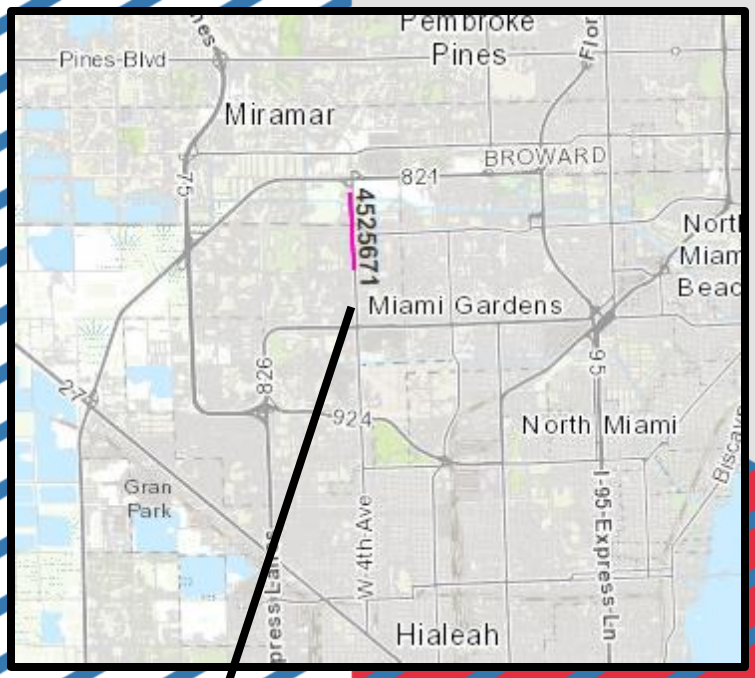
Design Advertisement Date: 9/30/2024

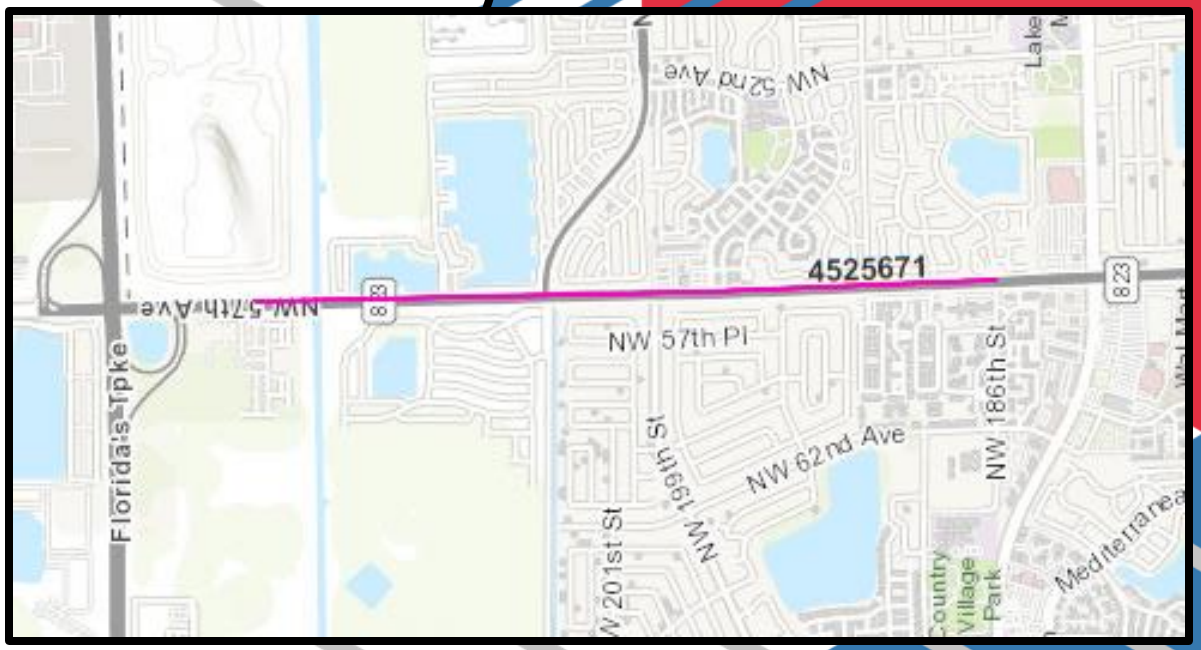
Letting Date: 2/24/2027 (FY 27)

Pavement Condition Survey (2024):

- Ride = 6.5
- Crack = 7.5
- Rutting = 9.0

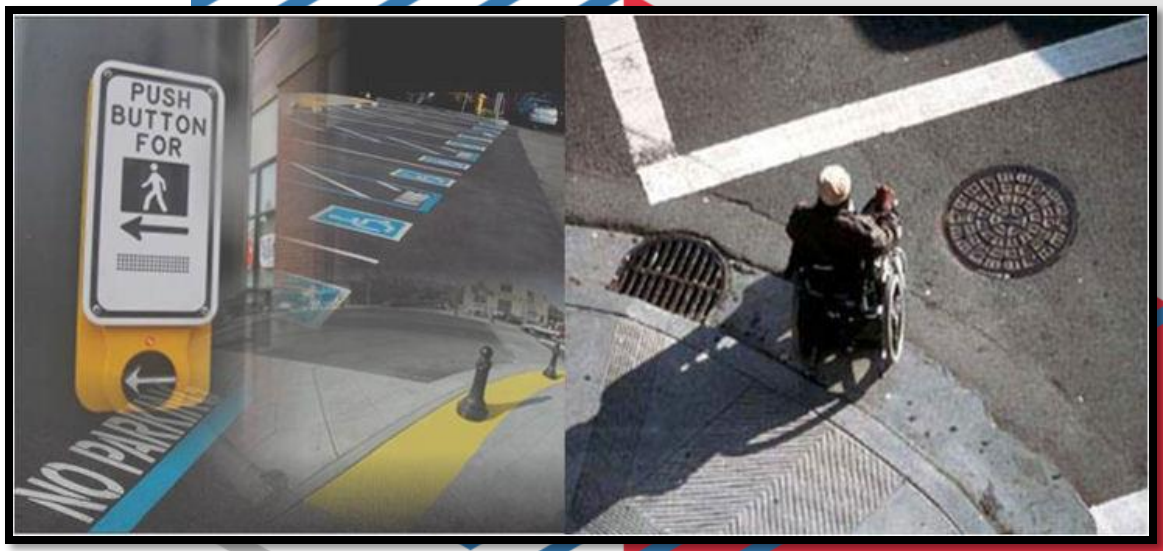
Pavement Age: 21 years by 2027





FDM 114 - RRR

- **Extend service life of pavement**
- **Address ADA**
- **Improve Safety**



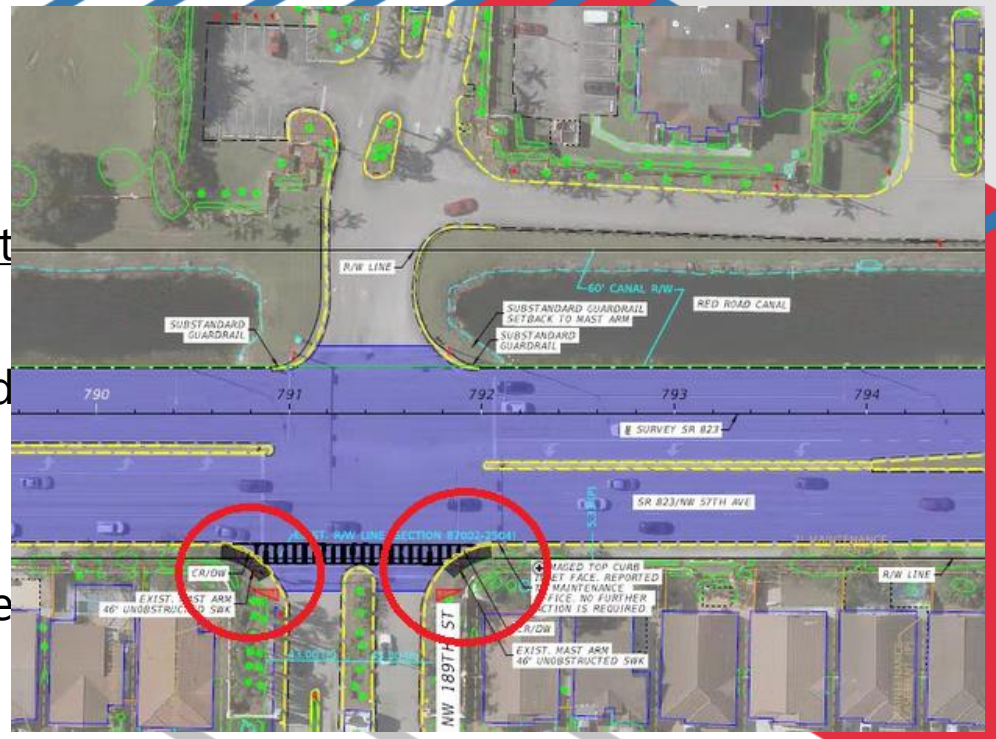
TARGET ZERO
FATALITIES & SERIOUS INJURIES

RRR Scope :
Funding Category A

Recommended by Scoping Report:

Roadway:

- ✓ Mill and resurface the existing roadway pavement.
- ✓ Reconstruct deficient pedestrian curb ramps. (This improvement requires work outside the right-of-way of SR 823.)
- ✓ Add detectable warning surfaces on new curb ramps and commercial driveways in accordance with standards.
- ✓ Upgrade guardrail connection TL-3 to concrete barrier walls.
- ✓ Upgrade guardrail connections TL-3 to existing bridge in the southbound direction.
- ✓ Evaluate cross slopes corrections.
- ✓ Install hardened centerlines (traffic separators) to supplement the crosswalks along SR 823 on the intersection of 199th Street.



RRR Scope : Funding Category A

Recommended by Scoping Report:

Signing and Pavement Markings:

- ✓ Upgrade all substandard ground mounted signs to meet the current FDOT Standards, FDOT FDM, FDOT TEM, FDOT Speed Zoning Manual, and MUTCD (including legend size, reflectivity, or breakaway supports). Exclude any existing sign slated for repair by the FDOT Maintenance Office.
- ✓ Replace and upgrade all pavement markings to meet the latest FDOT standards.
- ✓ New Point: Bullet railing on west side (analyze and provide cost)

Signalization:

- ✓ Replace loop detectors that will be impacted by milling operations.
- ✓ Replace existing signal pull boxes impacted by curb ramp reconstruction.

RRR Scope – Funding Category A

Recommended by Scoping Report:

Lighting:

- ✓ Replace pull boxes impacted by the reconstruction of pedestrian curb ramps.

Landscaping:

- ✓ The vegetation that was observed during the field review obstructing the intersection sight distance was reported to Renato Marrero/Leonard Salazar of the FDOT Maintenance Office. No action is required by the designer regarding this deficiency.

Safety Improvements with Safety Funds– Funding Category B1

Recommendations under RRR Safety Review (funded with safety funds)

SR 823/NE 57th Avenue at NW 195 Drive:

- ✓ Coordinate with the responsible PM regarding the recommendations from the Left-turn Phase Warrant Analysis Study. (FDOT Safety Review page 12 states “Due to the ongoing left-turn Phase Warrant Analysis Study being conducted by the Department at the NW 195th Drive signal, no further effort is required for this location at this time.”) Based on coordination with TOPS, TOPS has not received the draft report mentioned on pages 12 and 27 of the RRR Safety Review for review. TOPS will clarify whether improvements from this study will be funded with safety funds or not.

Safety Improvements with RRR Funds– Funding Category B2

Recommendations under RRR Safety Review (funded with RRR funds)

Segment-Wide Safety Improvements:

- Upgrade crosswalk pavement markings to high emphasis.
- Install pedestrian pushbuttons and pushbutton signs for all crosswalks at signalized intersections that are missing pedestrian detectors and signs. Provide Walk and Flashing Don't Walk timing for pedestrians to cross at all signalized intersections.
- Install countdown pedestrian signal heads for all crosswalks at signalized intersections that are missing signal heads.
- Install 'Turning Vehicles Stop for Pedestrians' signs (R10-15a) at all signalized intersections with crosswalks.
- Install retroreflective flexible backplates for all directions at all signalized intersections.
- Increase All-Red and Yellow Clearance Intervals. Coordination with Miami Dade County Traffic Signals and Signs Division will be required for the signal timing improvements.
- ERC Comment 61. Due to the segment-wide safety improvements under Section 3.3 to add pedestrian signals and pedestrian detectors, please verify if this will trigger new service disconnects with meters and include the costs in the LRE. TOPS responded that will add the above items in the cost estimate.

R9-3

R10-15a

R9-3bP

Safety Improvements with RRR Funds– Funding Category B2 – Recommended but not included

Recommendations under RRR Safety Review (funded with RRR funds)

SR 823/NW 57th Avenue at NW 191 Street Potential Safety Improvements:

- ✓ Convert the Two-Way Stop controlled intersection to a signalized intersection. A signal warrant analysis was previously completed and determined that three (3) signal warrants were satisfied for this intersection. An Intersection Control Evaluation (ICE) should be performed prior to installing traffic signals. Please consider guide strip markings for left-turn movements. This improvement requires work within the right-of-way of the canal.

Non-Safety Improvement:

- ✓ Provide pedestrian features at the signal (special emphasis crosswalk markings, countdown pedestrian signal heads and pushbuttons).

Safety Improvements with RRR Funds– Funding Category B2

Recommendations under RRR Safety Review (funded with RRR funds)

SR 823/NE 57th Avenue at NW 195 Drive: - Approved

- ✓ Increase the All-Red Clearance Interval for the westbound left turn from 2.0 seconds to 2.2 seconds. Coordination with Miami Dade County Traffic Signals and Signs Division will be required for the signal timing improvements. ERC Comment 56. Consider showing R10-15a sign facing northbound traffic in NW 195 Dr intersection. TOPS responded that it agrees and will consider this recommendation.

SR 823/NW 57th Avenue at NW 202 Street:

- ✓ Improve the northbound and southbound opposing left-turn lanes sight distance by offsetting the turn lanes from the adjacent through lane. This requires narrowing the existing 4 feet traffic separators to 2 feet and will require a design variation. If approved, this improvement will impact a total of 21 palm trees (14 trees on the south leg and 7 trees on the north leg) that will have to either be removed or relocated. - Not approved
- ✓ Increase the Yellow Clearance Interval for the eastbound movements from 4.4 seconds to 4.8 seconds. Coordination with Miami Dade County Traffic Signals and Signs Division will be required for the signal timing improvements. - Approved

Safety Improvements with RRR Funds– Funding Category B2 – Updated cost Estimates

Recommendations under RRR Safety Review (funded with RRR funds)

SR 823/NE 57th Avenue at NW 199 Street:

- ✓ Improve pedestrian features at the intersection by providing special emphasis crosswalks for the north, south, and west legs of the intersection and upgrading the standard crosswalk markings on the east leg to special emphasis. Install countdown pedestrian signal heads and pushbuttons for all crosswalks. Install post-mounted R10-15a signs on all four approaches. - Language need to be updated
- ✓ ERC Comment 58. Consider installing a YIELD sign (R1-2) on the southwest corner facing eastbound right-turn vehicles. TOPS responded that it agrees and will consider this recommendation. - Approved
- ✓ ERC comment 59. There is a YIELD sign facing southbound right-turn vehicles. Consider installing YIELD line pavement markings or STOP bar pavement markings on southbound right-turn lane as there is a proposed R10-15a sign on northwest corner facing southbound right-turn vehicles." TOPS responded that it agrees and will consider this recommendation.
- ✓ ERC Comment 62. "Due to the new crosswalk markings at the intersection of NW 199th Street, lighting should be considered to ensure illumination requirements are met for the new crosswalks. Suggest adding to the Lighting section of the report.“ TOPS responded that the safety review report will be revised to state that additional lighting may be required for the crosswalks to ensure illumination requirements are met, and that a lighting study is recommended during the design phase. In addition, the cost estimate will be revised to include an estimate of additional lighting.

RRR Scope – Funding Category C

Recommended by Scoping Report:

For discussion with Scoping Committee:

- Rehabilitate pavement depression.

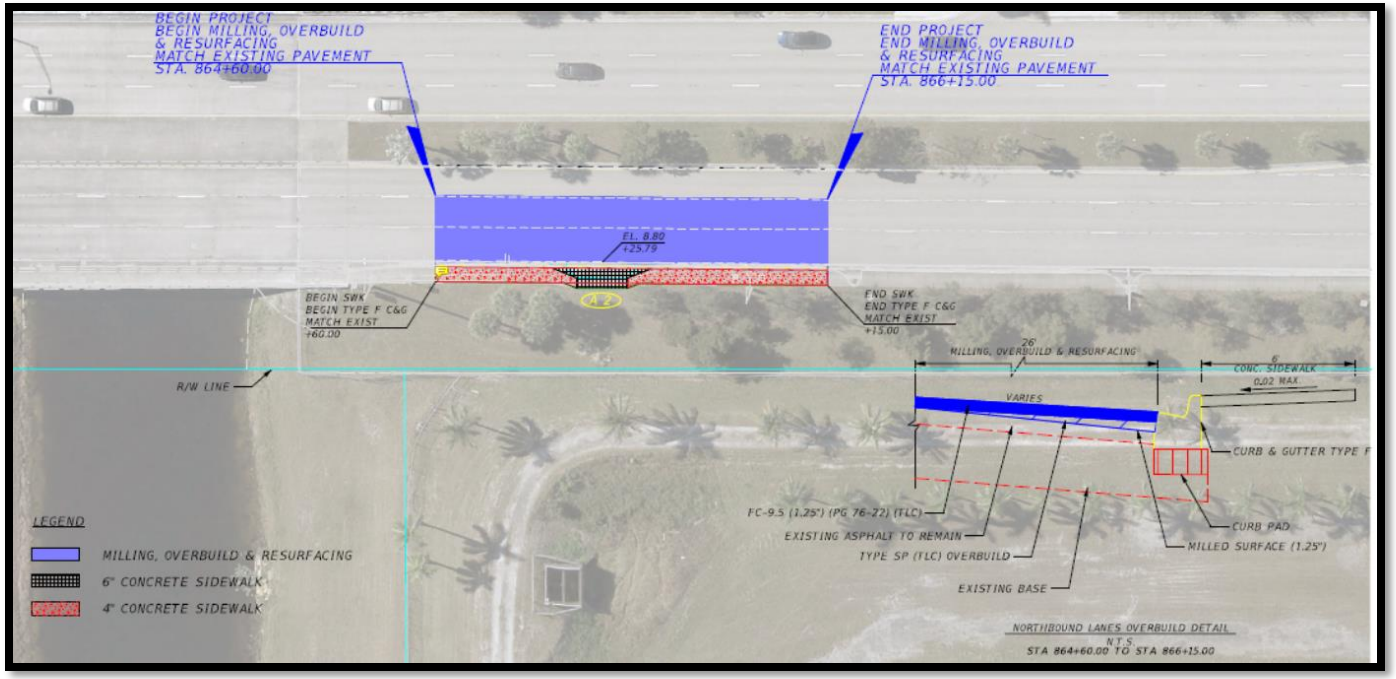
Based on conversation with Jose Guevara (2/2/24, 305-640-7156), the FDOT Maintenance Office was initially going to repair the pavement depression located on northbound NW 57th Avenue approximately 150’ north of bridge 870950. Additionally, Jose Guevara provided construction details. The details recommended milling, overbuild, and resurfacing. However, Bencze Vajta, P.E of North Dade Maintenance sent a notice on February 29th, 2024, explaining that North Dade Maintenance will not repair the pavement depression. The Design Office indicated that without exploring the area (geotechnical, perhaps drainage and survey, etc.) may not know the cause of the problem making it hard to provide potential solutions. In 2006, NW 57th Ave was milled and resurfaced within the area of the depression by FM 414617-1 project. See correspondence and construction details in Appendix I.

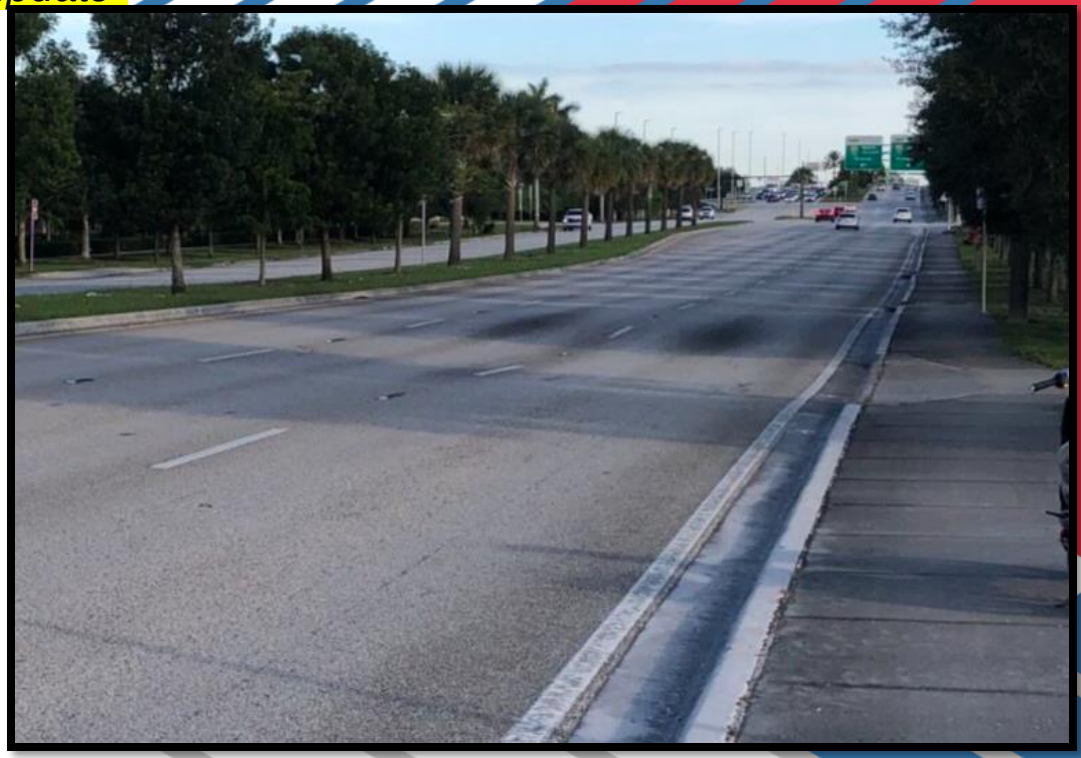
RRR Scope – Funding Category C – Come Back

Recommended by Scoping Report:

For discussion with Scoping Committee:

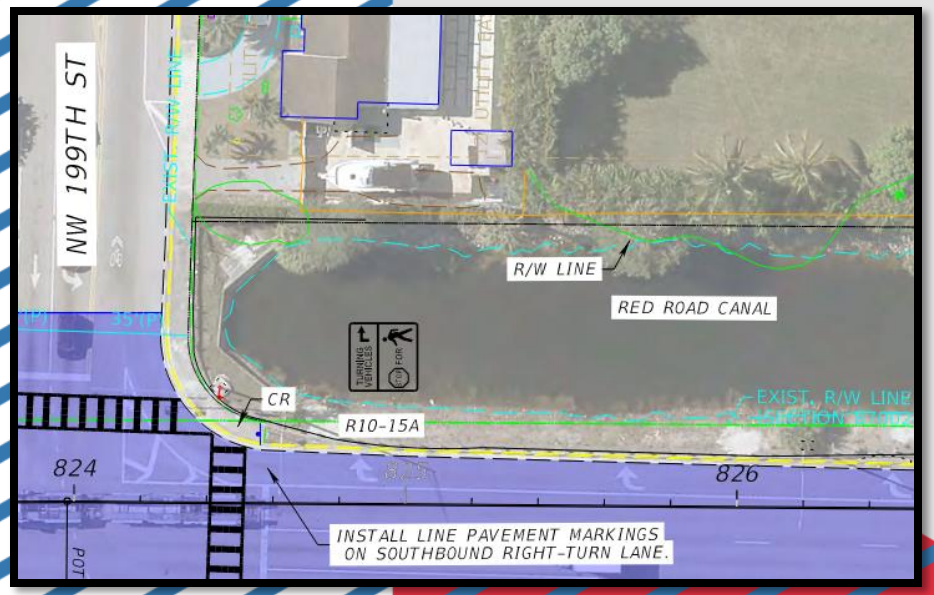
- Rehabilitate pavement depression.
- *Approx. Cost $150,000 (~150ft) - Need to update the language/explanation*





Improvements Considered but Not Recommended

- Consider labeling the signs on north leg median and on northeast quadrant at NW 195 Dr. No existing or proposed signs are at this location.
- Keyhole lanes can be provided at SB NW 199th Street and SB SW 45th Street. (Discuss with Committee)
- Consider reducing lane widths by adding a bicycle lane. According to TOPS, no crash patterns were associated with a lack of bicycle lanes, and very few bicycle activities were observed; therefore, adding bicycle lanes was not considered. - this needs to be analyzed at design phase
- Due to the new crosswalk markings at the intersection of NW 199th Street, lighting should be considered to ensure illumination requirements are met for the new crosswalks. (Lighting is required and incidental to work. Should be moved to Category A or B)
- Additional crosswalks at the NW 189th Street and NW 191st Street intersections were considered but not recommended by the safety review. There are no existing sidewalks on the west side of the intersections within the adjacent development

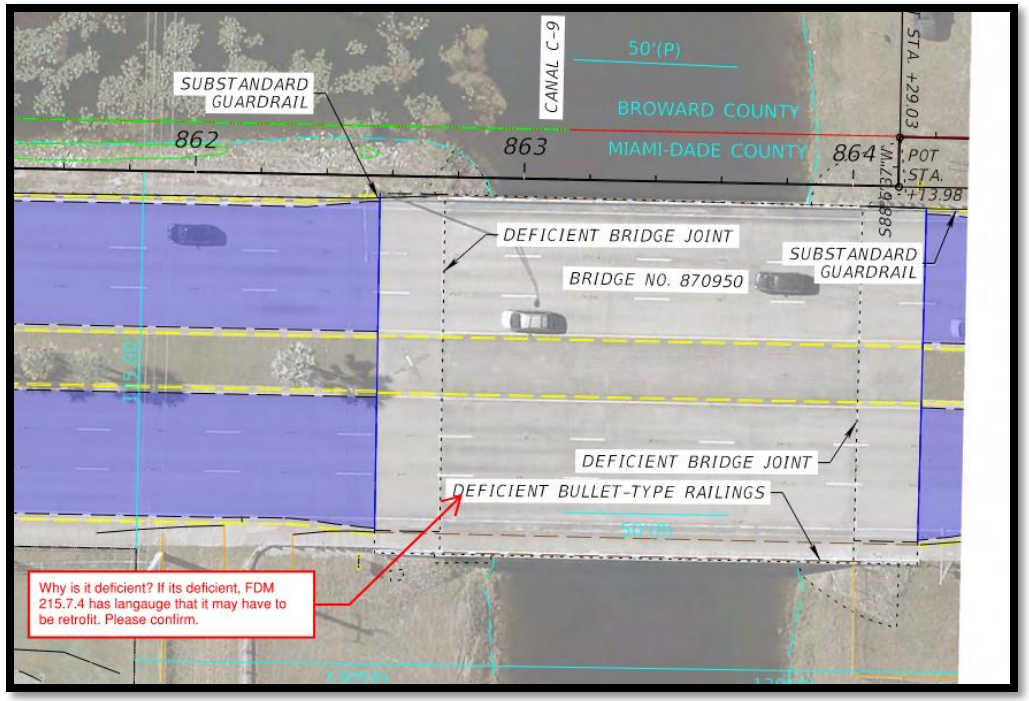


For RRR projects, a keyhole lane should be provided except on projects that have inadequate R/W or utility conflicts.

223 - Bicycle Facilities

Other Observations

- *Bullet Railing*



215.7.4 Existing Bridge Traffic Railing

Evaluate bridge traffic and pedestrian railings for conformance to current ***FDM*** criteria and ***Standard Plans*** whenever improvements are made to a bridge or its approach roadway. For non-compliant bridge railings:

(1) Retrofit bridge railing to bring them up to current standards, or

(2) Replace bridge railing, or

(3) Process a Design Variation, provided that a subsequent project that will remedy this condition is scheduled within a reasonable time.

See ***SDG*** 6.7 for traffic railing requirements, and ***SDG*** 6.8 and the following for pedestrian railing requirements.

Topic #625-000-002
FDOT Design Manual — January 1, 2024

260.9 Evaluation of Existing Bridge Structures

Each project will require a determination on the most appropriate action regarding existing structures; i.e., should bridge remain as is, be rehabilitated, or be replaced. This determination should be made as early as practical due to the potential impact to the work program. Pavement resurfacing funds can only be used for minor bridge improvements such as rail retrofits and ADA improvements. Bridges that require major improvements or replacement must be programmed with appropriate bridge program funds.

The determination of bridge improvement needs is to be supported by an engineering analysis and report. The determination is to be based on an assessment of the bridge's structural and functional adequacy. The engineering report is to include the following:

By maintenance

The items below will be forwarded to maintenance by scoping team prior to design:

- Repair damaged sidewalk segments/tripping hazards.
- Replace missing/damaged detectable warning material.
- Repair the damaged face of curb inlet top on the northeast quadrant of NW 198 Street.
- Repair damaged curb and gutter at the median nose of NW 195 Drive.
- Repair damaged concrete slab of lighting pull box located 170 feet south of NW 202 Street.
- Trim vegetation that obstructs intersection sight distance where possible.
- The concrete traffic railings of Bridge 870950 are cracked and in need of repair.
- Replace the joints Bridge 870950. (Discuss with Committee)- Revisit Follow up with Pablo Orozco
- Retrofit the existing bullet-type railing on the east side of Bridge 870950. - With further analysis, still within the service life span. it was removed. (Discuss with Committee)

General Finding

Does Project Qualify for Pavement Only or Ride Only?

- Report did not identify if it qualifies for POP or Ride Only
- RRR Safety Review identified various locations on the High Crash List within the limits.

Additional Variations

- Existing mast arm in median of NW 195th Drive
- Hardened Centerline (pending design)

Project Cost – needs to update

Category A: $4,045,874.35

Category B1: $0.00

Category B2: $968,345.14

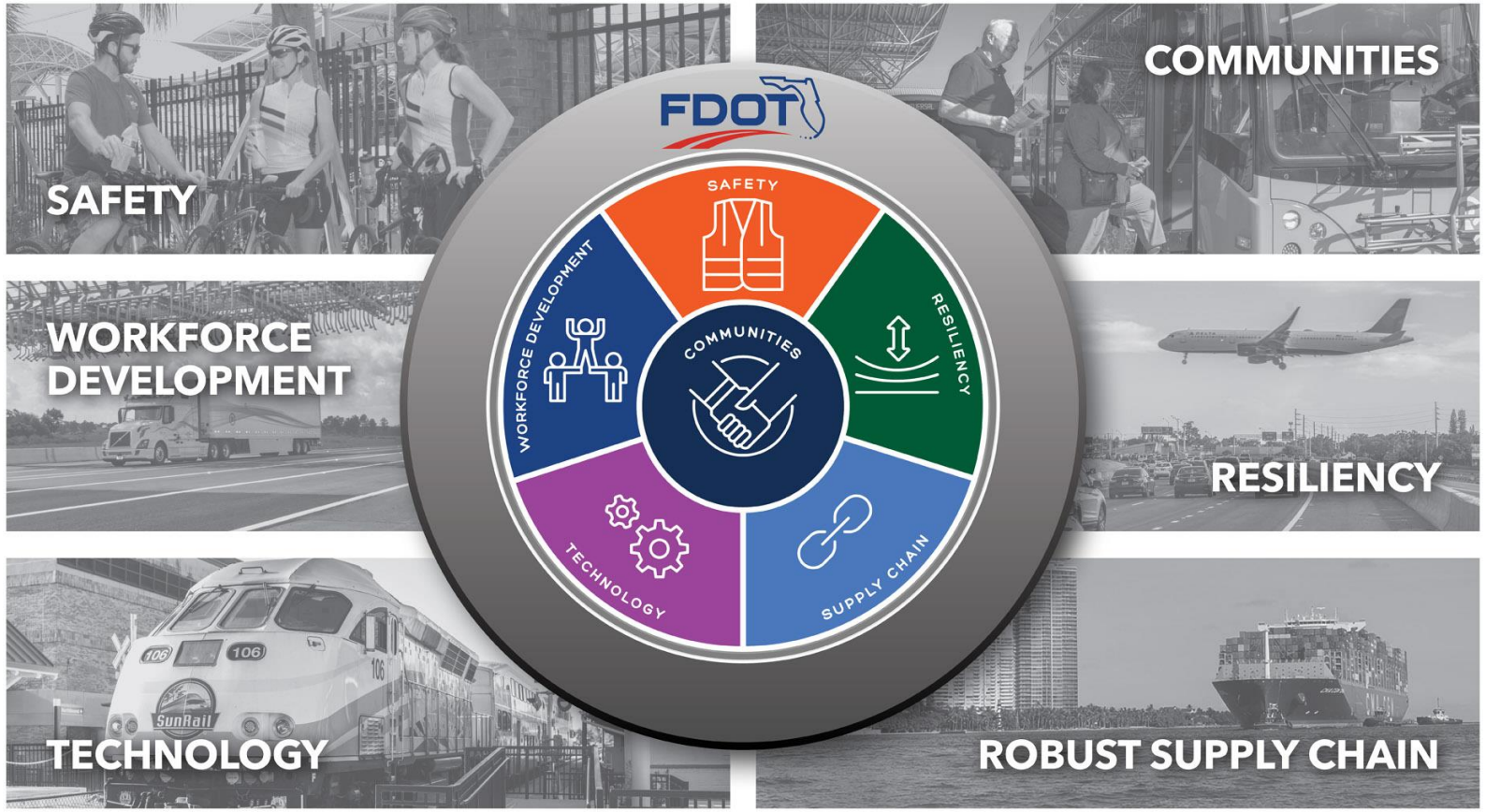
Category C: $149,891.25

Total (Adding MOT, Mobilization and Contingency) = $6,298,574.00

Next Steps

1. Update scoping report and LRE.
2. Distribute report to RRR Subcommittee for final review.
3. Present final recommendations to Scoping Committee for concurrence
4. Present final recommendations to Director.
5. Final report posted in PSEE.

Questions?


SAFETY
COMMUNITIES
WORKFORCE DEVELOPMENT
RESILIENCY
TECHNOLOGY
ROBUST SUPPLY CHAIN
FDOT
SAFETY
WORKFORCE DEVELOPMENT
COMMUNITIES
RESILIENCY
TECHNOLOGY
SUPPLY CHAIN

APPENDIX B

Environmental Resources

Desktop Analysis

Florida Department of Transportation

RON DESANTIS
GOVERNOR

1000 NW 111th Avenue
Miami, Florida 33172-5800

JARED W. PERDUE, P.E.
SECRETARY

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by FDOT pursuant to 23 U.S.C. §327 and a Memorandum of Understanding dated May 26, 2022 and executed by FHWA and FDOT.

Date: March 15, 2024

To: Md Hossain, Project Manager (FDOT)
Adebayo Coker, Design Project Manager (HBC Engineering Company)

From: Steven Craig James, RLA, District Environmental Manager
Kristi Savio, Environmental Specialist, PSG Plans

Subject: **ENVIRONMENTAL RESOURCES DESKTOP ANALYSIS**
Project Name: **SR 823/NW 57TH AVENUE/RED RD FROM S. OF NW 186TH STREET TO S. OF HEFT**
Financial Management Number: 452567-1-32-01
Federal Aid Project No.: TBD
Limits: South of NW 186th Street to South of HEFT
County: Miami-Dade

The project is located within Miami-Dade County, Florida along SR 823/NW 57th Avenue/Red Road from south of NW 186th Street to south of HEFT. The proposed improvements appear to be limited to the existing right-of-way. The March 2024 RRR Scoping Report completed for the above referenced project recommended the following improvements:

Category A – RRR Pavement Restoration & ADA Improvements

Roadway

- Mill and resurface the existing roadway pavement.
- Reconstruct deficient pedestrian curb ramps.
- Add detectable warning surfaces on new curb ramps and commercial
- driveways in accordance with standards.
- Upgrade guardrail connection TL-3 to concrete barrier walls.
- Upgrade guardrail connections TL-3 to existing bridge in the southbound
- direction.
- Evaluate cross slopes corrections.

Signing and Pavement Markings

- Upgrade all substandard ground mounted signs to meet the current FDOT
- Standards, FDOT FDM, FDOT TEM, FDOT Speed Zoning Manual, and MUTCD
- (including legend size, reflectivity, or breakaway supports). Exclude any existing
- sign slated for repair by the FDOT Maintenance Office.
- Replace and upgrade all pavement markings to meet the latest FDOT standards.

Signalization

- Replace loop detectors that will be impacted by milling operations.
- Replace existing signal pull boxes impacted by curb ramp reconstruction.

Lighting

- Replace pull boxes impacted by the reconstruction of pedestrian curb ramps.

Category B1 – Safety Improvements with Dedicated Funds

SR 823/NE 57th Avenue at NE 195 Street

- Coordinate with the responsible PM regarding the recommendations from the Left-turn Phase Warrant Analysis Study. (FDOT Safety Review page 12 states "Due to the ongoing left-turn Phase Warrant Analysis Study being conducted by the Department at the NW 195th Drive signal, no further effort is required for this location at this time.").

Category B2 – Safety Improvements with RRR Funds

Segment-Wide Safety Improvements

- Upgrade crosswalk pavement markings to high emphasis.
- Install pedestrian pushbuttons and pushbutton signs for all crosswalks at signalized intersections that are missing pedestrian detectors and signs. Provide Walk and Flashing Don't Walk timing for pedestrians to cross at all signalized intersections.
- Install countdown pedestrian signal heads for all crosswalks at signalized intersections that are missing signal heads.
- Install 'Turning Vehicles Stop for Pedestrians' signs (R10-15a) at all signalized intersections with crosswalks.
- Install retroreflective flexible backplates for all directions at all signalized intersections.
- Increase All-Red and Yellow Clearance Intervals. Coordination with Miami Dade County Traffic.

SR 823/NW 57th Avenue at NW 191 Street

Safety Improvements - RRR Funds Category B2

Potential Safety Improvements:

- Convert the Two-Way Stop controlled intersection to a signalized intersection. A signal warrant analysis was previously completed and determined that three (3) signal warrants were satisfied for this intersection. An Intersection Control Evaluation (ICE) should be performed prior to installing traffic signals.

Non-Safety Improvement:

- Provide pedestrian features at the signal (special emphasis crosswalk markings, countdown pedestrian signal heads and pushbuttons).

SR 823/NE 57th Avenue at NE 195 Street

- Increase the All-Red Clearance Interval for the westbound left turn from 2.0 seconds to 2.2 seconds. Coordination with Miami Dade County Traffic Signals and Signs Division will be required for the signal timing improvements.

SR 823/NE 57th Avenue at NW 199 Street

- Improve pedestrian features at the intersection by:
  - Providing special emphasis crosswalks for the north, south, and west legs of the intersection and upgrading the standard crosswalk markings on the east leg to special emphasis.
  - Install countdown pedestrian signal heads and pushbuttons for all crosswalks.
  - Install post-mounted R10-15a signs on all four approaches.

SR 823/NW 57th Avenue at NW 202 Street

- Improve the northbound and southbound opposing left-turn lanes sight distance by offsetting the turn lanes from the adjacent through lane. This requires narrowing the existing 4 feet traffic separators to 2 feet and will require a design variation. If approved, this improvement will impact a total of 21 palm trees (14 trees on the south leg and 7 trees on the north leg) that will have to either be removed or relocated.
- Increase the Yellow Clearance Interval for the eastbound movements from 4.4 seconds to 4.8 seconds. Coordination with Miami Dade County Traffic Signals and Signs Division will be required for the signal timing improvements.

3.4 Category C – Other Improvements

- Based on conversation with Jose Guevara (2/2/24, 305-640-7156), the FDOT Maintenance Office was initially going to repair the pavement depression located on northbound NW 57th Avenue 150' north of bridge 870950. However, Bencze Vajta, P.E of North Dade Maintenance sent a notice on February 29th, 2024, explaining that they will not repair the pavement depression.

3.5 Maintenance Items

- Reconstruct damaged sidewalk segments/tripping hazards.
- Replace missing detectable warning material.
- Repair the damaged face of curb inlet top on the northeast quadrant of NW 198 Street.
- Repair damaged curb and gutter at the median nose of NW 195 Drive.
- Repair damaged concrete lighting pull box slab 170 feet south of NW 202 Street.
- Trim vegetation that obstructs intersection sight distance where possible.
- Based on conversation with Jose Guevara (2/2/24, 305-640-7156), the FDOT Maintenance Office was initially going to repair the pavement depression on northbound NW 57th Avenue located 150' north of bridge 870950. However, Bencze Vajta, P.E of North Dade Maintenance sent a notice on February 29, 2024, explaining that they will not repair the pavement depression. This issue is included in Category C - Other Improvements for approval.

Based on a review of the ProjectSuite Enterprise Editions (PSEE) financial module, the proposed project would not constitute a federal action. Therefore, the Class of Action for this project is anticipated to be a Non-Major State Action. The D6 Environment Section will continue to evaluate the project's Class of Action during future phases.

An Environmental Resources Desktop Analysis (ERDA) was conducted for the above-referenced project. This evaluation was prepared in support of the March 2024 RRR Scoping Report by HBC Engineering Company. The purpose of this evaluation is to identify environmental features and advise the design team of such features prior to preparation of initial engineering plans to facilitate compliance with the National Environmental Policy Act (NEPA). The design team must be aware that any required environmental surveys, environmental documents, and/or agency coordination identified in this memorandum will require time for completion. For example, certain environmental processes have a minimum agency review time (e.g., Cultural Resources Assessment Surveys, Section 4(f) coordination, wetland impact permitting, etc.) or must be conducted within specific months of the year (e.g., threatened and endangered species surveys). Therefore, the design team must coordinate with the D6 Environment Section as early in the design phase as possible, especially if any plans review phases will be skipped, and must consider any required environmental activities when preparing the design schedule.

The project was evaluated using the following sources:

- GIS review of natural, social, cultural, and physical resource layers including water quality, wetlands, wildlife and habitat, public lands and recreational areas, socioeconomic resources, historic and archaeological sites, and contamination, using the ETDM EST;
- Aerial imagery and street maps; and
- Review of HBC Engineering Company March 2024 RRR Scoping Report.

The geographical information system (GIS) layers within the Efficient Transportation Decision Making (ETDM) Environmental Screening Tool (EST) are continually updated. Likewise, the anticipated determinations of effect are based on the project improvements as currently proposed/recommended. Any changes in project scope, limits, and/or design may impact the effect determinations and, subsequently, the Class of Action. We highly recommend that the project manager keep the D6 Environment Section abreast of any significant design changes and/or scope additions. The D6 Environment Section will continue to review the ETDM EST and the project documents as the project advances through future phases.

NEPA items required to be reviewed for FDOT projects:

Sociocultural Resources
Based on a review of the March 2024 RRR Scoping Report and ETDM EST GIS layers, the project will not change land use patterns, change community cohesion, require relocations; impact community services; or have a disproportionate impact on minority groups. Therefore, no adverse impacts to Sociocultural Effects are anticipated.

Local Traffic Patterns
The project is located along SR 823/NW 57th Avenue/Red Road from south of NW 186th Street to south of HEFT. Temporary impacts to local traffic patterns are likely to occur during the

implementation of the recommended improvements; however, there are no anticipated permanent, adverse impacts to traffic patterns, property access, community cohesiveness, planned community growth, or land use associated with the proposed safety improvements.

Planned Community Growth/Land Use Patterns
Implementation of the proposed project would not affect capacity or alter land use. Any effects from these activities would be temporary in nature, and as such, are not expected to adversely impact planned community growth or planned land use patterns.

Property Access
Based on a review of the proposed project in the March 2024 Scoping Report, no adverse effects to property access are expected as a result of the recommended activities. No relocation of businesses or residences will be required.

Air Quality and Noise
Per Part 2, Chapter 19 (Air Quality) of the FDOT PD&E Manual dated July 1, 2023, no air quality analysis is required for the proposed improvements. This project is not expected to create adverse impacts on air quality because the project area is in attainment for all National Ambient Air Quality Standards (NAAQS) and because the project is expected to not change the Level of Service and delay and congestion on all facilities within the study area. Based on the plans and proposed improvements which include restoration, rehabilitation, or reconstruction and safety improvements this project represents a Type III Project per Part 2, Chapter 18 (Highway Traffic Noise) of the FDOT PD&E Manual. Type III Projects do not require a detailed noise analysis or consideration of abatement measures since they do not result in a noticeable increase in traffic noise levels. The proposed improvements do not increase roadway capacity (e.g., additional travel lanes) or alter the horizontal / vertical alignment of any roadway that would constitute a Type I Project that would require a noise analysis to be performed. There may be a temporary increase in noise and vibration from additional truck traffic and staging equipment during construction at adjacent noise and / or vibration sensitive sites. Therefore, applicable FDOT Standard Specifications for Road and Bridge Construction will be implemented during construction.

Water Quality
Based on a review of EST GIS layers and aerial imagery, no wetlands are present within the project area. The following canals are within the project area: Red Road Canal/NW 57th Avenue Canal, NW 202 St Canal, and Snake Creek Canal/C-9. No drainage improvements are proposed as part of the project. Therefore, no adverse impacts to water quality are anticipated as a result of the proposed project.

Wetlands
Based on a review of the March 2024 RRR Scoping Report, EST GIS layers (including the National Wetlands Inventory and South Florida Water Management District wetland GIS layers), and aerial imagery, the following canals are within the project area:

- Red Road Canal / NW 57th Avenue Canal
- NW 202 St Canal
- Snake Creek Canal / C-9

It appears no work is proposed within the canals. Therefore, no adverse impacts to wetlands or other surface waters are anticipated as a result of the recommended activities. Erosion and sedimentation

control measures will be required during construction. Coordination with the Environmental Permits Office will be required to confirm any impacts to wetlands.

Navigation
Based on a review of EST GIS layers and aerial imagery, there are no navigable waterways within or adjacent to the project corridor. Therefore, no impacts to navigation are anticipated as a result of the recommended activities, and the project will not require an individual U.S. Coast Guard (USCG) Bridge Permit.

Floodplain Encroachment
Based on a review of EST GIS layers and the Miami-Dade County Flood Zones GIS map, the project corridor is located within Zone AE of the 100-year floodplain. However, this project will not: 1) affect flood heights or base floodplain limits, 2) result in increased or new adverse environmental impacts, 3) increase flood risks or damage, or 4) significantly change the potential for interruption or termination of emergency service or emergency evacuation routes. Therefore, this project will not encroach upon the base floodplain, as defined in Part 2, Chapter 13 of the Project Development and Environment (PD&E) Manual dated July 1, 2023.

Wild and Scenic Rivers
Based on a review of EST GIS layers and aerial imagery, there are no Wild and Scenic Rivers within or adjacent to the project corridor. The recommended activities will not require construction in, across, or adjacent to a river designated as a component of, or proposed for inclusion in, the National System of Wild and Scenic Rivers. Therefore, no adverse impacts to Wild and Scenic Rivers are anticipated as a result of the proposed project.

Endangered and Threatened Species, Wildlife, and Critical Habitats
Based on a review of EST GIS layers, the project is within or adjacent to the United States Fish and Wildlife Service (USFWS) Consultation Areas for several protected species. No critical habitat or Essential Fish Habitat (EFH) is present within the project area.

The project area is within the USFWS Consultation Areas for the following species: Everglade Snail Kite (*Rostrhamus sociabilis*). Additionally, the project is within the South Florida range of the Eastern indigo snake (*Drymarchon couperi*), South Florida Urban Bat Area, and the core foraging area (CFA) of six wood stork (*Mycteria americana*) colonies (3B Mud East, Knich, Tamiami Trail East, Cypress City, Sawgrass Ford, Emerald Estates 1 and 2 Griffin).

The project is in an urbanized area and is limited to existing paved and landscaped (sod, shrubs, trees) areas within the existing FDOT right-of-way. Based on the scope of work, lack of suitable habitat and no in-water work anticipated, the project is expected to have No Effect on federally listed species. Based on the scope of work and lack of suitable habitat, state listed wildlife/plants species are not anticipated to occur within the project area.

The existing landscaping (palm trees and mature trees) within the project area may provide suitable roosting habitat for the Florida bonneted bat. Consultation with USFWS will be required since the project is within the South Florida Urban Bat Area according to the 2019 Consultation Key for the Florida bonneted bat.

During the design phase, coordination regarding potential impacts to protected species and their habitat within the project area will occur with USFWS to confirm species effects determinations.

Right of Way Acquisition and Displacements
Based on a review of the proposed project in the March 2024 RRR Scoping Report, it appears that the proposed project is contained within the existing FDOT operational right-of-way. No right-of-way acquisition is proposed, and no residential or non-residential displacements are anticipated. The D6 Environment Section will continue to evaluate the project's right-of-way requirements during future phases. Please notify the D6 Environment Section of any proposed work outside of the existing right-of-way.

Section 4(f) of the Department of Transportation Act
Based on a review of EST GIS layers and aerial imagery, Snake Creek Trail, which is a Section 4(f) resource, is located within the project limits. Based on the project limits and provided project information, no impacts to this Section 4(f) protected park/recreational resource is anticipated as a result of the recommended activities, in accordance with Section 4(f) of the USDOT Act.

Section 106 of the National Historic Preservation Act
A review of Florida Master Site File GIS cultural resources data, Miami-Dade County Property Appraiser GIS data, local data, and additional GIS data available from the Florida Geographic Data Library identified a previously unrecorded segment of a historic roadway within the likely area of potential effect (APE). A historic canal and several historic buildings are located adjacent to but not within the APE of the improvements. If the scope and location of the improvements remain consistent with those contained in the scoping report, then it is anticipated that the Planning and Environmental Management Office (PLEMO) will need to conduct a cultural evaluation of the project during design. The results of the evaluation would need to be coordinated with the Florida Division of Historical Resources (FDHR). FDHR would have 30 days to review the resultant report.

Contamination
A contamination impact review utilizing the FDOT District VI Contamination Screening Tool was performed for the project corridor. The Contamination Screening Tool contains Geographic Information System layers depicting contaminated sites identified by the Florida Department of Environmental Protection and Miami Dade County Department of Regulatory Economic Resources. Based on said review, a known contaminated site has been identified within a 500-ft radius of the project corridor. However, there are no drainage features, subsurface excavation, and/or dewatering in proximity of the known contaminated sites, therefore, no contamination impacts are anticipated.

Controversy
There are no known controversial environmental issues associated with this project. The action is not anticipated to have substantial controversy on environmental grounds.

Permits
Environmental permitting requirements are to be provided by the Environmental Permits Office.

APPENDIX C

Corridor Files

APPENDIX C-1

Straight-Line Diagram

5 YR INV	SLD REV	BMP	EMP	INV	SLD REV
DATE 06/22/2022	07/25/2022				
BY AECOM	AECOM				

FLORIDA DEPARTMENT OF TRANSPORTATION

STRAIGHT LINE DIAGRAM OF ROAD INVENTORY

SECTION STATUS	INT. or US ROUTE NO.	STATE ROAD NO.	COUNTY	DISTRICT	ROADWAY ID	SHEET NO:
02		SR 823	MIAMI-DADE	06	87002000	2 OF 2

6.0 7.0 8.0

INSIDE URBAN, OUTSIDE CITY
* MIAMI
|<=NW 57 AVE/RED RD
|<SR 823

MIAMI-DADE COUNTY

ROADWAY FEATURES

6.000 NW 158 ST 6.016 | NW 159 ST 6.073 | CHICK-FIL-A 6.200 | NW 163 ST 6.305 | NW 165 TER 6.454 | NW 167 ST EB 6.554 | PALMETTO EXPY 6.586 | NW 167 ST WB 6.598 | NW 171 ST 6.826 | NW 173 DR 6.952 | 1190 7.038 | NW 176 ST 7.122 | WALMART ENT 7.236 | MALL ENT 7.443 | SR 860/NW 183 ST 7.545 | PUBLIC STORAGE 7.624 | 2514 7.651 | NW 186 ST 7.769 | NW 189 ST 7.911

NW 161 ST 6.189 | NW 170 TER 6.785 | FRONTAGE RD (ENT) 6.795 | FRONTAGE RD (END) 6.936 | NW 174 DR 7.002 | NW 175 ST 7.075 | FRONTAGE RD (ENT) 7.122 | FRONTAGE RD (END) 7.136 | NW 178 ST 7.226 | FRONTAGE RD (ENT) 7.232 | FRONTAGE RD (END) 7.274 | NW 179 TER 7.330 | FRONTAGE RD (ENT) 7.345 | FRONTAGE RD (END) 7.494 | TARGET ENT 7.661

DIAMOND

6.448 90.0' - 66.0' 6 - 11.0' RDWY 20.0 CB&VEG MED 2 - 2.0' C&G INSHLD | 2 - 2.0' C&G SHLD |

7.461 97.0' - 66.0' 6 - 11.0' RDWY 27.0 TFSP MED 2 - 2.0' C&G SHLD |

MP 7.752

LANE WIDTHS ARE AVERAGED

6.000 87.0' - 66.0' 6 - 11.0' RDWY 17.0 CB&VEG MED 2 - 2.0' C&G INSHLD | 4.0' PVD SHLD | - LT 2.0' C&G SHLD | - RT

6.234 87.0' - 66.0' 6 - 11.0' RDWY 15.0 TFSP MED 4.0' PVD SHLD | - LT 2.0' C&G SHLD | - RT

6.371 92.0' - 66.0' 6 - 11.0' RDWY 20.0 CB&VEG MED 2 - 2.0' C&G INSHLD | 4.0' PVD SHLD | - LT 2.0' C&G SHLD | - RT

6.726 87.0' - 66.0' 6 - 11.0' RDWY 17.0 CB&VEG MED 2 - 2.0' C&G INSHLD | 2 - 2.0' C&G SHLD |

6.900 87.0' - 66.0' 6 - 11.0' RDWY 17.0 TFSP MED 2 - 2.0' C&G SHLD |

7.365 97.0' - 66.0' 6 - 11.0' RDWY 27.0 CB&VEG MED 2 - 2.0' C&G INSHLD | 2 - 2.0' C&G SHLD |

7.622 93.0' - 66.0' 6 - 11.0' RDWY 17.0 CB&VEG MED 2 - 2.0' C&G INSHLD | 8.0' PVD SHLD | - LT 2.0' C&G SHLD | - RT

7.769 89.0' - 66.0' 6 - 11.0' RDWY 17.0 CB&VEG MED 2 - 2.0' C&G INSHLD | 4.0' PVD SHLD | - LT 2.0' C&G SHLD | - RT

ROADWAY COMPOSITION

6.000 28/FC-9.5 / 28/FC-9.5 — 7.555 28/FC-2 / 28/FC-2

HORIZONTAL ALIGNMENT

B=N02°22'34"W | B=N02°22'50"W | B=N02°40'05"W

STRUCTURE DESCRIPTION

6.565 #0253 110.9' UP 6.586

TRAFFIC DATA

6.000 AADT= 49,000 D= 54.30 K= 9.00 T= 5.60 — All Traffic Data as of 12-31-21

6.560 AADT= 55,000 D= 54.30 K= 9.00 T= 4.10

7.555 AADT= 49,000 D= 54.30 K= 9.00 T= 7.00

SIS

FUN CLASS 6.000 URBAN PRIN ART OTHER

NHS 6.000 NHS/MAP-21 PRINCIPAL ARTERIALS

● = SIGNALIZED INTERSECTION

8.0 9.0

INSIDE URBAN, OUTSIDE CITY
* MIAMI
|<=NW 57 AVE/RED RD
|<SR 823

MIAMI-DADE COUNTY

ROADWAY FEATURES

8.000 NW 191 ST 8.055 | NW 195 DR 8.404 | NW 199 ST 8.525 | GAS STATION 8.525 | NW 202 ST 8.769 | DAN MARINO BL/HONEY 8.769 | NW 204 ST 8.997 | SNAKE CREEK CANAL | SW 45 ST 9.435 | RAMP 8647107Z 9.565 | RAMP 8647107A 9.577 | 2515 9.661

8.480 87.0' - 66.0' 6 - 11.0' RDWY 17.0 TFSP MED 2 - 2.0' C&G SHLD |

HEFT

GPS COORDINATES 25°58' 14" N 80° 17' 41" W

MP 9.399

COUNTY LINE/BR860550

END MP: 009.699 NET ROADWAY ID LENGTH: 9.699

LANE WIDTHS ARE AVERAGED

8.000 89.0' - 66.0' 6 - 11.0' RDWY 17.0 CB&VEG MED 2 - 2.0' C&G INSHLD | 4.0' PVD SHLD | - LT 2.0' C&G SHLD | - RT

8.404 89.0' - 66.0' 6 - 11.0' RDWY 17.0 TFSP MED 4.0' PVD SHLD | - LT 2.0' C&G SHLD | - RT

8.553 90.0' - 66.0' 6 - 11.0' RDWY 20.0 CB&VEG MED 2 - 2.0' C&G INSHLD | 2 - 2.0' C&G SHLD |

8.716 90.0' - 66.0' 6 - 11.0' RDWY 20.0 TFSP MED 2 - 2.0' C&G SHLD |

8.840 90.0' - 66.0' 6 - 11.0' RDWY 20.0 CB&VEG MED 2 - 2.0' C&G INSHLD | 2 - 2.0' C&G SHLD |

ROADWAY COMPOSITION

8.000 28/FC-2 / 28/FC-2

9.260 08/FC-0 / 08/FC-0 — 9.285 28/FC-2 / 28/FC-2

HORIZONTAL ALIGNMENT

B=N01°53'29"W | B=N01°53'23"W | B=N01°55'09"W

STRUCTURE DESCRIPTION

9.260 #0950 132' BR 9.285

9.655 1 - 14" X 200' CC

TRAFFIC DATA

8.000 AADT= 49,000 D= 54.30 K= 9.00 T= 7.00 — All Traffic Data as of 12-31-21

8.525 AADT= 43,000 D= 54.30 K= 9.00 T= 6.70

SIS

FUN CLASS 8.000 URBAN PRIN ART OTHER

NHS 8.000 NHS/MAP-21 PRINCIPAL ARTERIALS — NHS/MAP-21 PRINCIPAL ARTERIALS 9.699

Version: 1.4.2.27 07/25/2022

RED ROAD/NW 57 AVENUE (Miami-Dade County)

APPENDIX C-3

Utility Owners List

Affected Service Areas

Priority: Design

Start Time: 01/18/2024 12:31 PM
Due: 01/22/2024 11:59 PM
Expires: 02/19/2024 11:59 PM

Remarks:

Service Areas:

	Ex. Circum	Service Area	Utility Type(s)	Contact	Excavator Comments
More	No	A T & T/ DISTRIBUTION SBF23	TELEPHONE	DINO FARRUGGIO...	
More	No	BREEZELINE ECI870	FIBER	TROY GAETA (786) 583-0404...	
More	No	CITY OF MIRAMAR COM564	RE-USE LINES, SEWER, WATER	SALVADOR ZUNIGA (954) 602-3323	
More	No	COMCAST CABLE CC1279	CATV, FIBER	RICARDO DAVIDSON (786) 586-8505	
More	No	CROWN CASTLE NG NN1882	FIBER	FIBER DIG TEAM (800) 654-3110	
More	No	DADE COUNTY PUBLIC WORK... DCPWT	STREET LIGHTS, TRAFFIC SIGNALS	OCTAVIO VIDAL (305) 412-0891...	
More	No	FLORIDA CITY GAS CITYGS	NATURAL GAS	MICHAEL BRAD TERMINI (321) 213-8254	
More	No	FLORIDA POWER & LIGHT -...	ELECTRIC	EDGAR AGUILAR	

Back to Ticket Send Ticket

Affected Service Areas

Priority: Design

Start Time: 01/18/2024 12:31 PM
Due: 01/22/2024 11:59 PM
Expires: 02/19/2024 11:59 PM

Remarks:

Service Areas:

	Ex. Circum	Service Area	Utility Type(s)	Contact	Excavator Comments
More	No	FLORIDA CITY GAS CITYGS	NATURAL GAS	MICHAEL BRAD TERMINI (321) 213-8254	
More	No	FLORIDA POWER & LIGHT -... FPLSUB	ELECTRIC	EDGAR AGUILAR (386) 586-6403	
More	No	FLORIDA POWER & LIGHT--DADE FPLDAD	ELECTRIC	EDGAR AGUILAR (386) 586-6403	
More	No	MCI MCIU01	COMMUNICATIO LINES, FIBER	INVESTIGATIONS TEAM (800) 624-9675...	
More	No	MIAMI-DADE - SEWER MD1339	SEWER	MARIA CAPOTE (786) 268-5329	
More	Yes	MIAMI-DADE WATER MDWS	WATER	MARIA CAPOTE (786) 268-5329	
More	No	SMARTAIRA LLC DP1596	CATV, FIBER	JAVIER CABRERA (305) 527-4900	
More	No	SSOCOF TEST CODE - DO NO...	SSOCOF TEST CODE		

Back to Ticket Send Ticket

APPENDIX C-4
Roadway Deficiency Locations

Inventory of Existing Pedestrian Ramps

Inventory of Existing Pedestrian Ramps

The field review was conducted using the following pedestrian ramp assignment.

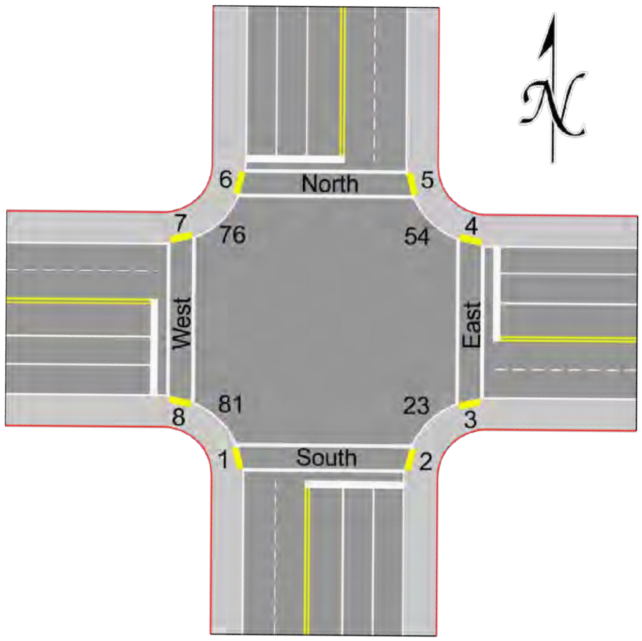


Figure 1-1 Pedestrian Ramp Assignment

Table 1-1 **Inventory of Existing Pedestrian Ramps**

#	Location	Ramp Number	Curb Ramp	Conditions
1	NW 57TH AVE DRIVEWAY (STA. 783+55 RT)	3		Existing slope is compliant. Detectable warning is present.
		4		Existing slope is compliant. Detectable warning is missing.
2	NW 57TH AVE AND NW 189TH ST	3		Ramp slope > than 8.33%, at 9.95%. Substandard ramp. Detectable warning is missing.

#	Location	Ramp Number	Curb Ramp	Conditions
		4		Ramp slope > than 8.33%, at 9.25%. Substandard ramp. Less than 6' transition. Detectable warning is missing.
3	NW 57TH AVE AND NW 191ST ST	3		Existing slope is compliant. Detectable warning is missing.
		4		Existing slope is compliant. Detectable warning is missing.
4	NW 57TH AVE AND NW 195TH DR	3		Existing slope is compliant. Detectable warning is present.

#	Location	Ramp Number	Curb Ramp	Conditions
		4		Existing slope is compliant. Detectable warning is missing.
5	NW 57TH AVE DRIVEWAY (STA. 821+85 RT)	3		Existing slope is compliant. Detectable warning is missing.
		4		Existing slope is compliant. Detectable warning is missing.
6	NW 57TH AVE AND NW 199TH ST	3		Existing slope is compliant. Detectable warning is present.

#	Location	Ramp Number	Curb Ramp	Conditions
		4		Existing slope is compliant. Detectable warning is present.
7	NW 57TH AVE AND NW 202ND ST	3		Existing slope is compliant. Detectable warning is present.
		4		Existing slope is compliant. Detectable warning is present.
8	NW 57TH AVE AND NW 204TH ST	3		Existing slope is compliant. Detectable warning is present.

#	Location	Ramp Number	Curb Ramp	Conditions
		4		Existing slope is compliant. Detectable warning is present.
9	NW 57TH AVE AND SW 46TH ST	7		Existing slope is compliant. Detectable warning is present.
		8		Existing slope is compliant. Detectable warning is present.

APPENDIX D

Pavement Design Documents

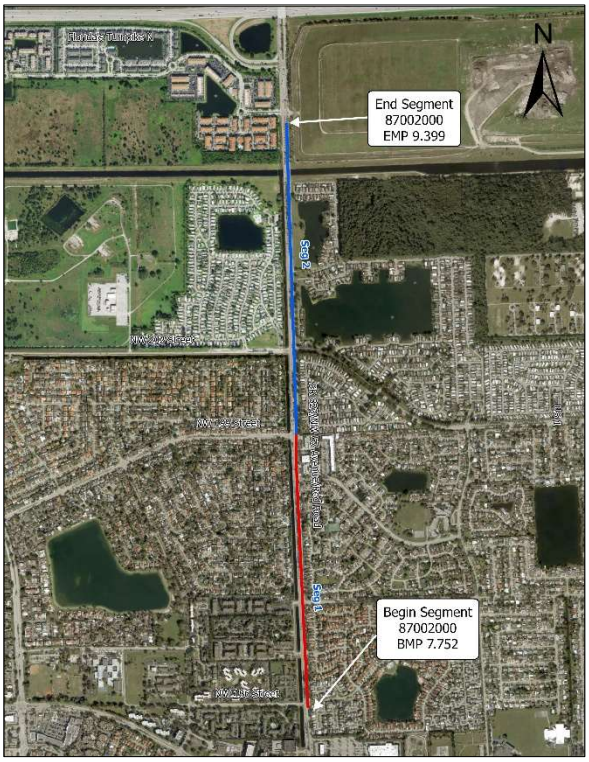
APPENDIX D-1

18-kip ESAL Report

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SIX PLANNING AND ENVIRONMENTAL MANAGEMENT OFFICE

18 KIP ESAL CALCULATIONS

SR 823/NW 57 Avenue/Red Road from south of NW 186 Street to south of HEFT (Section 87002000, MP 7.752 to MP 9.399)
F.P.: 452567-1
TWO NO.: 32



FM No.: 408199-1-12-06
Contract No.: CAD21
FDOT PM: Ana Maria Calleja, P.E.

Prepared by

CTS Engineering, Inc.

May 8, 2025

FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT SIX PLANNING AND ENVIRONMENTAL MANAGEMENT OFFICE

18 KIP ESAL CALCULATIONS

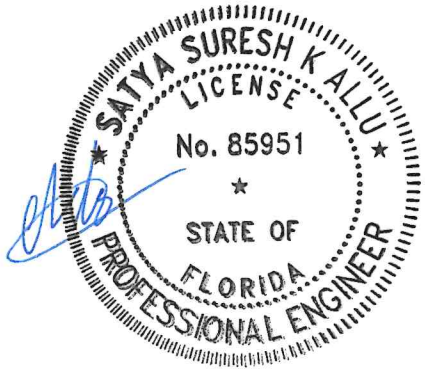
FOR

SR 823/NW 57 Avenue/Red Road from south of NW 186 Street to south of HEFT (Section 87002000, MP 7.752 to MP 9.399)

FM NO.: *408199-1-12-06*
CONTRACT NO.: CAD21
FDOT PM: Ana Maria Calleja, P.E.

Prepared by

Suresh Allu, P.E.
CTS Engineering, Inc.



May 8, 2025

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Appendix A – FDOT Request

Appendix B – FDOT Traffic Data Collection

Appendix C – FSUTMS Volumes and Plots

Appendix D – Historical Growth Trends Analysis

Appendix E – Model Growth Trends Analysis

Appendix F – 18-Kip ESAL Calculations

1. INTRODUCTION

CTS Engineering, Inc. was retained by the Planning and Environmental Management Office of the Florida Department of Transportation (FDOT) District 6 to develop the 18-Kip Equivalent Single Axle Load (ESAL) calculations for SR 823/NW 57 Avenue/Red Road from south of NW 186 Street to south of HEFT (Section 87002000, MP 7.752 to MP 9.399). The project is located in unincorporated area of Miami-Dade County, Florida. This study was initiated following a request from the FDOT District 6 Design Office. The study included FDOT historical data, latest Southeast Regional Planning Model version 8.533 (SERPM 8.533) projections, historical growth trends, and the development of 18-Kip ESAL calculations.

2. PROJECT IDENTIFICATION

- This project is identified under FDOT Work Program FP No. 452567-1.
- The segment of SR 823/NW 57 Avenue/Red Road from south of NW 186 Street to south of HEFT is located in unincorporated area of Miami-Dade County.
- The roadway along SR 823/NW 57 Avenue/Red Road from south of NW 186 Street to south of HEFT is classified as an Urban Principle Arterial Other.
- The context classification for SR 823/NW 57 Avenue/Red Road within the project limits is C3R – Suburban Residential.
- The posted speed limit along SR 823/NW 57 Avenue/Red Road from south of NW 186 Street to south of HEFT is 45 MPH.
- SR 823/NW 57 Avenue/Red Road is a six-lane divided roadway with sidewalks on the east side.
- The assigned project is Resurfacing (RRR).
- The pavement material will be Asphalt.
- The opening year for traffic is 2029.

Figure 1 shows the site location map. A copy of the request memorandum is presented in **Appendix A**.

Figure 1 – Site Location Map

3. TRAFFIC INFORMATION

Traffic volumes were evaluated for the referenced project based on FDOT Florida Traffic Online (2024) and SERPM 8.533 model data.

3.1 DATA COLLECTION

The Statistics Office of the Florida Department of Transportation District 6, as part of their annual traffic count program, has established Portable Count Stations No. 872514 (SR 823/NW 57 Avenue, 550 feet north of SR 860/NW 183 Street) along Segment 1 (MP 7.752 to MP 8.525) and Station No. 872515 (SR 823/NW 57 Avenue, 200 feet south of Miam-Dade/Broward County Line) along Segment 2 (MP 8.525 to MP 9.399). A review of the Roadway Characteristics Inventory, feature 330 (Traffic Flow Breaks), indicates that Station No. 872514 (located at MP 7.651) is identified for the traffic flow break segment from MP 7.555 to MP 8.525 and Station No. 872515 (located at MP 9.661) is identified for the traffic flow break segment from MP 8.525 to MP 9.699.

Table 1 summarizes the data from the FDOT count stations and detailed copies of the information obtained from the above source are presented in **Appendix B**.

Table 1 Summary of Traffic Data Collection

Segment	Station ID	Location	2024 AADT (TWO-WAY)	K	D	T_{24}
1	872514	SR 823/NW 57 Avenue, 550 feet north of SR 860/NW 183 Street	47,000	9.00	54.9	3.00
2	872515	SR 823/NW 57 Avenue, 200 feet south of Miam-Dade/Broward County Line	49,000	9.00	54.9	5.70

3.2 MODELING DATA

The latest available Southeast Regional Planning Model (SERPM 8.533 with 2015 as the Base Year) was run for year 2045, along the segments within the project limits. Results of the FSUTMS model volume plots for selected link contained by the project limits are included in **Appendix C**.

4. TRAFFIC GROWTH TRENDS ANALYSIS

The analysis of traffic growth for the Opening Year (2029), Interim Year (2039), and Design Year (2049), was performed using the FDOT traffic trends spreadsheet, based on historical traffic data and forecasted future volumes obtained from the FSUTMS model. Traffic data projections were evaluated for the following three statistical distributions:

1. Straight-Line Growth
2. Exponential Growth
3. Decaying Exponential Growth

4.1 HISTORICAL GROWTH ANALYSIS

For Segment 1 (station 872514), traffic projections were evaluated using the FDOT Traffic Trends Spreadsheet from 2020 to 2024 as given in the FDOT Florida Traffic Online (2024). A summary of the historical growth trends analysis for the study section for Station No. 872514 is presented in **Table 2,** with detailed information included in **Appendix D**.

Table 2 Summary of Historical Growth Trends Analysis (Station 872514 – Segment 1)

Method	R-Square Value	Annual Growth Rate	Forecasted Volumes		
			Opening Year (2029)	Interim Year (2039)	Design Year (2049)
Straight-line	3.08%	0.31%	49,300	50,800	52,300
Exponential	3.13%	0.31%	49,300	50,800	52,500
Decaying-Exponential	14.42%	0.68%	49,300	49,800	50,200

For Segment 1 (station 872514), results of the historical growth trend analysis present low R-Squared value for all the distribution methods. The exponential distribution growth trend presents the highest traffic volumes among the three distribution methods, hence the most fitted curve and the most confident forecasted traffic volumes.

For Segment 2 (station 872515), traffic projections were evaluated using the FDOT Traffic Trends Spreadsheet from 2015 to 2024 as given in the FDOT Florida Traffic Online (2024) except for data from year 2020. The 2020 traffic volume is approximately 20% lower than 2019 and 16% lower than 2021 traffic. A summary of the historical growth trends analysis for the study section for Station No. 872515 is presented in **Table 3,** with detailed information included in **Appendix D**.

Table 3 Summary of Historical Growth Trends Analysis (Station 872515 - Segment 2)

Method	R-Square Value	Annual Growth Rate	Forecasted Volumes		
			Opening Year (2029)	Interim Year (2039)	Design Year (2049)
Straight-line	23.36%	0.88%	49,600	53,500	57,400
Exponential	22.37%	0.83%	49,600	53,700	58,300
Decaying-Exponential	12.67%	0.69%	47,300	48,000	48,400

For Segment 2 (station 872515), results of the historical growth trend analysis present low R-Squared value for all the distribution methods. The exponential distribution growth trend presents the highest traffic volumes among the three distribution methods, hence the most fitted curve and the most confident forecasted traffic volumes.

4.2 MODEL GROWTH ANALYSIS

The forecasted AADT for roadway within the project limits was obtained by running the Southeast Florida Regional Planning Model (SERPM 8.533 with 2015 as the Base Year) for the forecasted year 2045. The link volumes were analyzed to obtain projected traffic for the roadway segment.

Table 4 Summary of Model Growth Trends Analysis (Station 872514 – Segment 1)

Method	R-Square Value	Annual Growth Rate	Forecasted Volumes		
			Opening Year (2029)	Interim Year (2039)	Design Year (2049)
Straight-line	48.80%	0.26%	49,100	50,300	51,500
Exponential	47.46%	0.25%	49,000	50,300	51,500
Decaying-Exponential	53.41%	0.15%	49,700	50,500	50,900

For Segment 1 (Station 872514), results of the model growth trend analysis present relatively low R-Squared value for all distribution methods. The Straight-line distribution presents the highest volumes among the three distribution methods, hence the most fitted curve and the most confident forecasted traffic volumes.

Table 5 Summary of Model Growth Trends Analysis (Station 872515 – Segment 2)

Method	R-Square Value	Annual Growth Rate	Forecasted Volumes		
			Opening Year (2029)	Interim Year (2039)	Design Year (2049)
Straight-line	71.45%	0.82%	49,600	53,600	57,500
Exponential	68.42%	0.78%	49,400	53,400	57,700
Decaying-Exponential	45.45%	0.28%	49,700	51,200	52,100

For Segment 2 (Station 872515), results of the model growth trend analysis present relatively high R-Squared value for Straight-line distribution and Exponential distribution methods. The Straight-line distribution presents the highest R-Square value and has the highest volumes for both opening and interim years among the three distribution methods, hence the most fitted curve and the most confident forecasted traffic volumes.

The Projected Future Volumes Selection Methodology, reviewed and approved by the District 6 Planning and Environmental Management Office, was utilized. For Segment 1 and Segment 2, comparisons of traffic volume forecasts based on historical data and the FSUTMS model data are presented in **Table 6** through **Table 7**. The average volumes of the model volumes and historical volumes are recommended since the model volumes are higher than 10% than the historical volumes. The average volumes are the most confident forecasted volumes to be used for the ESAL calculations.

Table 6 Forecasted Traffic Volumes (Station 872514 – Segment 1)

Growth Trend	Forecasted Volumes		
	Opening Year (2029)	**Interim Year (2039)**	**Design Year (2049)**
Historical	49,300	50,800	52,500
Model	**49,100**	**50,300**	**51,500**
Difference	-200	-500	-1,000
Difference %	-0.41%	-0.98%	-1.90%
Averaged Volumes	49,200	50,550	52,000

Table 7 Forecasted Traffic Volumes (Station 872515 – Segment 2)

Growth Trend	Forecasted Volumes		
	Opening Year (2029)	**Interim Year (2039)**	**Design Year (2049)**
Historical	49,600	53,700	58,300
Model	**49,600**	**53,600**	**57,500**
Difference	0	-100	-800
Difference %	0.00%	-0.19%	-1.37%
Averaged Volumes	49,600	53,650	57,900

5. 18-KIP ESAL CALCULATIONS

An Equivalent Single Axle Load (ESAL) analysis was performed using traffic factors from the FDOT stations and the forecasted traffic volumes. **Table 8** indicates the traffic volumes and truck percentages (average of the truck factors of the latest five years available) used for ESAL calculations for each segment within the project limits.

Table 8 Traffic Volumes and Truck Percentages for 18-Kip ESAL Calculations

Segment No.	Station	Existing Traffic 2024	Opening Year (2029)	Interim Year (2039)	Design Year (2049)	Truck %
1	872514	47,000	49,100	50,300	51,500	5.46%
2	872515	49,000	49,600	53,600	57,500	5.28%

Summary of the results of ESAL calculations for the study segments are shown in **Table 9** through **Table 10.** Detailed information is included in **Appendix F**.

Table 9 Summary of ESAL Calculations (Asphalt, Station 872514 – Segment 1)

Design Period	ESAL Accumulation (1000s)
Opening Year (2029) to Interim -Year (2039)	2,683
Opening Year (2029) to Design Year (2049)	5,422

Table 10 Summary of ESAL Calculations (Asphalt, Station 872515 – Segment 2)

Design Period	ESAL Accumulation (1000s)
Opening Year (2029) to Interim -Year (2039)	2,688
Opening Year (2029) to Design Year (2049)	5,549

APPENDIX A

FDOT Request

18 KIP Request Form

Date: 04/22/2025

To: Ana M. Calleja, Statistics Project Manager (AnaM.Calleja@dot.state.fl.us)

From: Md Hossain, P.E., FDOT Project Manager

By: Md Hossain, P.E., Design Project Engineer

Copies to: File

Subject: FPID #: 452567-1 State Road # / US #: 823

Local Name: RED RD County: Miami-Dade

Roadway ID #: 87002000 From Milepost: 7.752 To Milepost: 9.399

Description: SR 823/NW 57TH AVENUE/RED RD FROM S. OF NW 186TH STREET TO S. OF HEFT

* Note: If you need additional space, please include the description within your email

Budget Construction (Letting) Year: 2028 Year Open to Traffic: 2029

Present number of lanes (both ways): 6 Divided? No * (Field Required)

Number of lanes in design year (both ways): 6 Divided? No * (Field Required)

Area Type: Urban * (Field Required)

Type of Facility: Principal Arterial * (Field Required) Other:

Pavement Type: * (Field Required)
1. Asphalt (Flexible): Yes
2. Concrete (Rigid): No a) D=9": ☐ b) D=12": ☐

Type of Work: Resurfacing (RRR) * (Field Required)

Select one or more of the types of data requested to be returned to the FDOT Project Manager for the subject project:

1. 18-kip Equivalent Single Axle Loading (ESAL): ☑
2. Projections: ☑ 3. Turning Movements: ☐ 4. Traffic Counts: ☐

Please attach:

a) Locator Map (key sheet, Straight Line Diagram (SLD), etc…)
b) Existing and proposed typical cross sections (if available)
c) Consultant's traffic counts (if available)

This document is available for download from the D6 Statistics Unit Sharepoint

APPENDIX B

FDOT Traffic Data Collection

FLORIDA DEPARTMENT OF TRANSPORTATION
TRANSPORTATION STATISTICS OFFICE
2024 HISTORICAL AADT REPORT

COUNTY: 87 - MIAMI-DADE

SITE: 2514 - SR 823/NW 57 AV, 550' N SR 860/NW 183 ST

YEAR	AADT	DIRECTION 1	DIRECTION 2	*K FACTOR	D FACTOR	T FACTOR
2024	47000 C	N 23000	S 24000	9.00	54.90	3.00
2023	49500 C	N 24000	S 25500	9.00	55.10	6.80
2022	49000 C	N 24000	S 25000	9.00	54.70	4.80
2021	49000 C	N 24000	S 25000	9.00	54.30	7.00
2020	46500 C	N 23000	S 23500	9.00	54.20	5.70
2019	46000 C	N 23000	S 23000	9.00	54.60	5.40
2018	51000 C	N 25000	S 26000	9.00	54.30	5.60
2017	46000 C	N 25000	S 21000	9.00	55.00	5.80
2016	53000 C	N 26500	S 26500	9.00	54.50	5.20
2015	52500 C	N 26000	S 26500	9.00	54.70	5.00
2014	49500 C	N 25000	S 24500	9.00	54.50	5.70
2013	51000 C	N 25500	S 25500	9.00	52.40	4.40
2012	36000 C	N 18500	S 17500	9.00	55.70	4.50
2011	47500 C	N 24500	S 23000	9.00	55.10	5.80
2010	48500 C	N 25000	S 23500	8.98	54.08	4.60
2009	46500 C	N 24000	S 22500	8.99	53.24	5.70

AADT FLAGS: C = COMPUTED; E = MANUAL ESTIMATE; F = FIRST YEAR ESTIMATE
S = SECOND YEAR ESTIMATE; T = THIRD YEAR ESTIMATE; R = FOURTH YEAR ESTIMATE
V = FIFTH YEAR ESTIMATE; 6 = SIXTH YEAR ESTIMATE; X = UNKNOWN
*K FACTOR: STARTING WITH YEAR 2011 IS STANDARDK, PRIOR YEARS ARE K30 VALUES

FLORIDA DEPARTMENT OF TRANSPORTATION
TRANSPORTATION STATISTICS OFFICE
2024 HISTORICAL AADT REPORT

COUNTY: 87 - MIAMI-DADE

SITE: 2515 - SR 823/NW 57 AV, 200' S MIAMI-DADE/BROWARD CO LINE

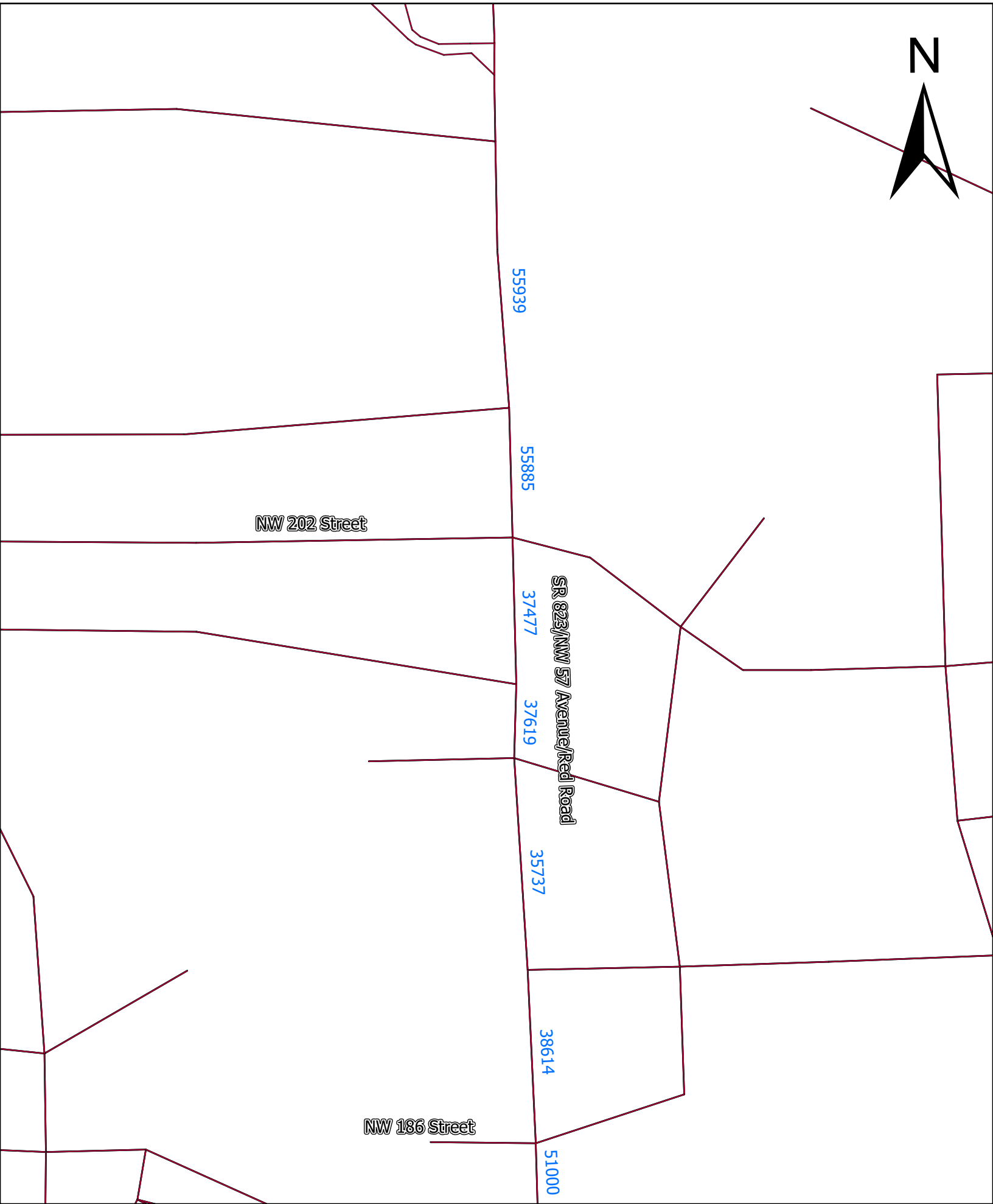
YEAR	AADT	DIRECTION 1	DIRECTION 2	*K FACTOR	D FACTOR	T FACTOR
2024	49000 C	N 22500	S 26500	9.00	54.90	5.70
2023	51000 C	N 24500	S 26500	9.00	55.10	4.00
2022	44500 C	N 22000	S 22500	9.00	54.70	5.10
2021	43000 C	N 20000	S 23000	9.00	54.30	6.70
2020	37000 C	N 18000	S 19000	9.00	54.20	4.90
2019	46500 C	N 21500	S 25000	9.00	54.60	5.60
2018	44500 C	N 21000	S 23500	9.00	54.30	5.10
2017	46500 C	N 22500	S 24000	9.00	55.00	2.70
2016	44000 C	N 22500	S 21500	9.00	54.50	3.00
2015	45500 C	N 21500	S 24000	9.00	54.70	5.10
2014	43000 C	N 21000	S 22000	9.00	54.50	4.70
2013	43000 C	N 16000	S 27000	9.00	52.40	3.90
2012	42000 C	N 19500	S 22500	9.00	55.70	6.10
2011	41000 C	N 20000	S 21000	9.00	55.10	4.30
2010	39500 C	N 18500	S 21000	8.98	54.08	4.30
2009	39500 C	N 18500	S 21000	8.99	53.24	5.80

AADT FLAGS: C = COMPUTED; E = MANUAL ESTIMATE; F = FIRST YEAR ESTIMATE
S = SECOND YEAR ESTIMATE; T = THIRD YEAR ESTIMATE; R = FOURTH YEAR ESTIMATE
V = FIFTH YEAR ESTIMATE; 6 = SIXTH YEAR ESTIMATE; X = UNKNOWN
*K FACTOR: STARTING WITH YEAR 2011 IS STANDARDK, PRIOR YEARS ARE K30 VALUES

APPENDIX C

FSUTMS Volumes and Plots

2045 FSUTMS Model Volumes



APPENDIX D

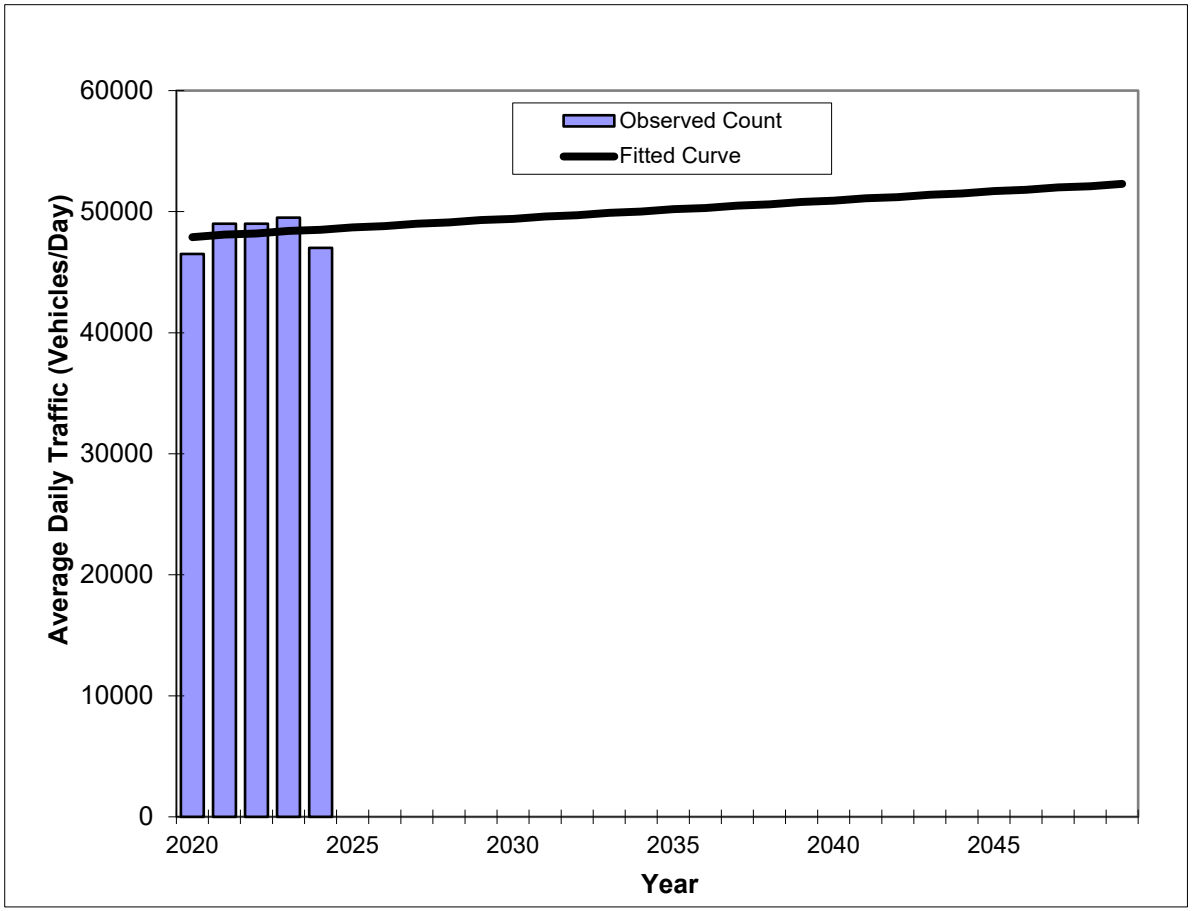
Historical Growth Trends Analysis

Traffic Trends - V3.0

SR 823/NW 57 Avenue --

FIN#	452567-1
Location	1

County:	Miami-Dade (87)
Station #:	2514
Highway:	SR 823/NW 57 Avenue



Year	Traffic (ADT/AADT) Count*	Trend**
2020	46500	47900
2021	49000	48100
2022	49000	48200
2023	49500	48400
2024	47000	48500
2029 Opening Year Trend		
2029	N/A	49300
2039 Mid-Year Trend		
2039	N/A	50800
2049 Design Year Trend		
2049	N/A	52300
TRANPLAN Forecasts/Trends		

**** Annual Trend Increase:**	150
Trend R-squared:	3.08%
Trend Annual Historic Growth Rate:	0.31%
Trend Growth Rate (2024 to Design Year):	0.31%
Printed:	4-May-25

Straight Line Growth Option

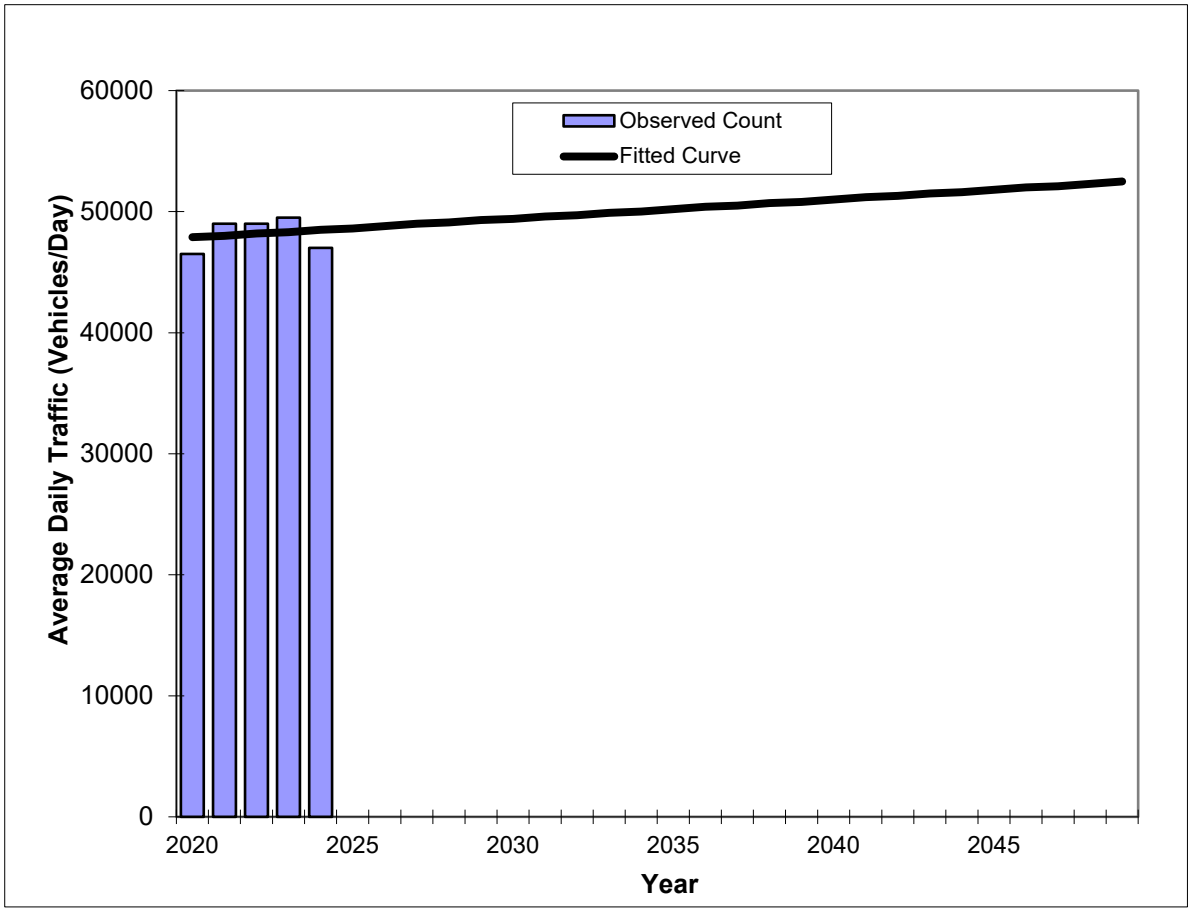
***Axle-Adjusted**

Traffic Trends - V3.0

SR 823/NW 57 Avenue --

FIN#	**452567-1**
Location	**1**

County:	Miami-Dade (87)
Station #:	2514
Highway:	SR 823/NW 57 Avenue



Year	Traffic (ADT/AADT) Count*	Trend**
2020	46500	47900
2021	49000	48000
2022	49000	48200
2023	49500	48300
2024	47000	48500
2029 Opening Year Trend		
2029	N/A	49300
2039 Mid-Year Trend		
2039	N/A	50800
2049 Design Year Trend		
2049	N/A	52500
TRANPLAN Forecasts/Trends		

Trend R-squared:	3.13%
Compounded Annual Historic Growth Rate:	0.31%
Compounded Growth Rate (2024 to Design Year):	0.32%
Printed:	4-May-25

Exponential Growth Option

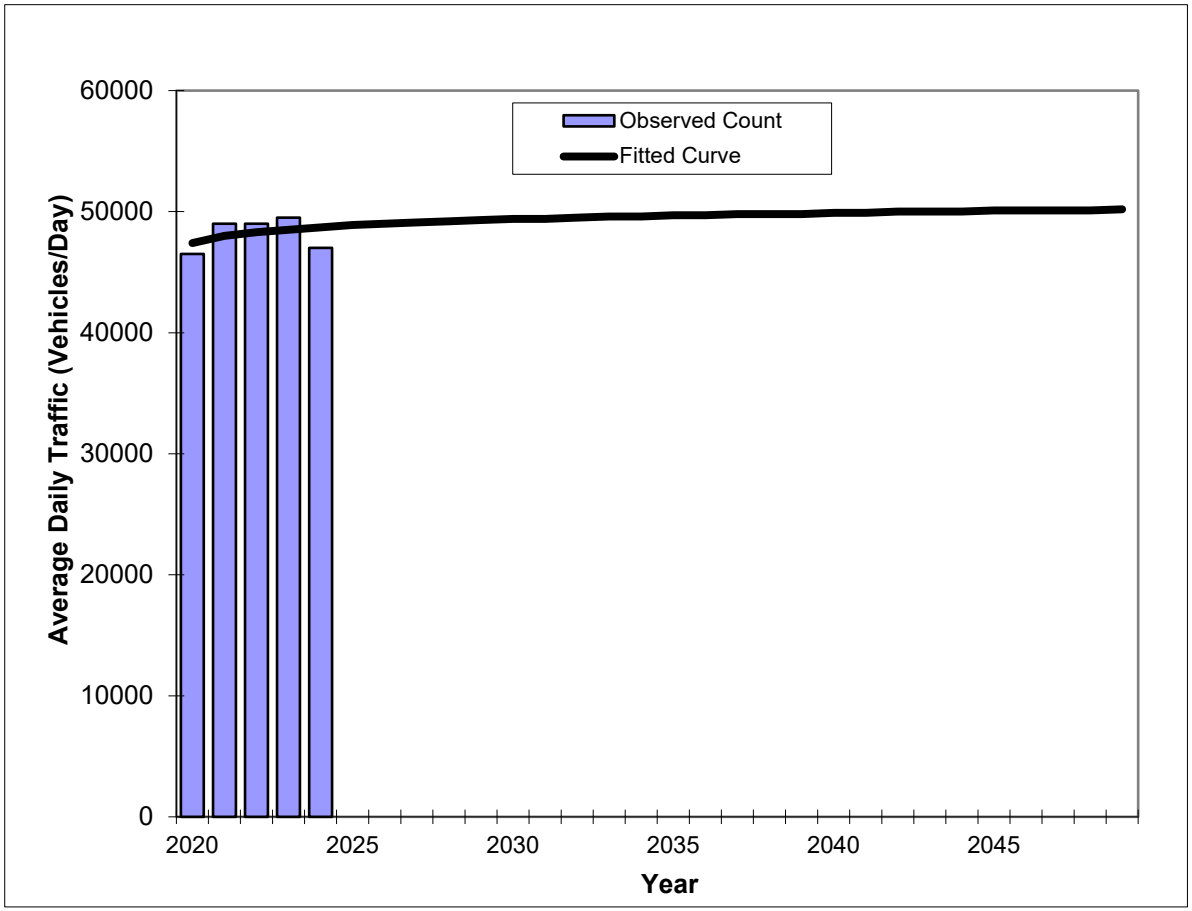
***Axle-Adjusted**

Traffic Trends - V3.0

SR 823/NW 57 Avenue --

FIN#	452567-1
Location	1

County:	Miami-Dade (87)
Station #:	2514
Highway:	SR 823/NW 57 Avenue



Year	Traffic (ADT/AADT) Count*	Trend**
2020	46500	47400
2021	49000	48000
2022	49000	48300
2023	49500	48500
2024	47000	48700
2029 Opening Year Trend		
2029	N/A	49300
2039 Mid-Year Trend		
2039	N/A	49800
2049 Design Year Trend		
2049	N/A	50200
TRANPLAN Forecasts/Trends		

Trend R-squared:	14.42%
Compounded Annual Historic Growth Rate:	0.68%
Compounded Growth Rate (2024 to Design Year):	0.12%
Printed:	4-May-25

Decaying Exponential Growth Option

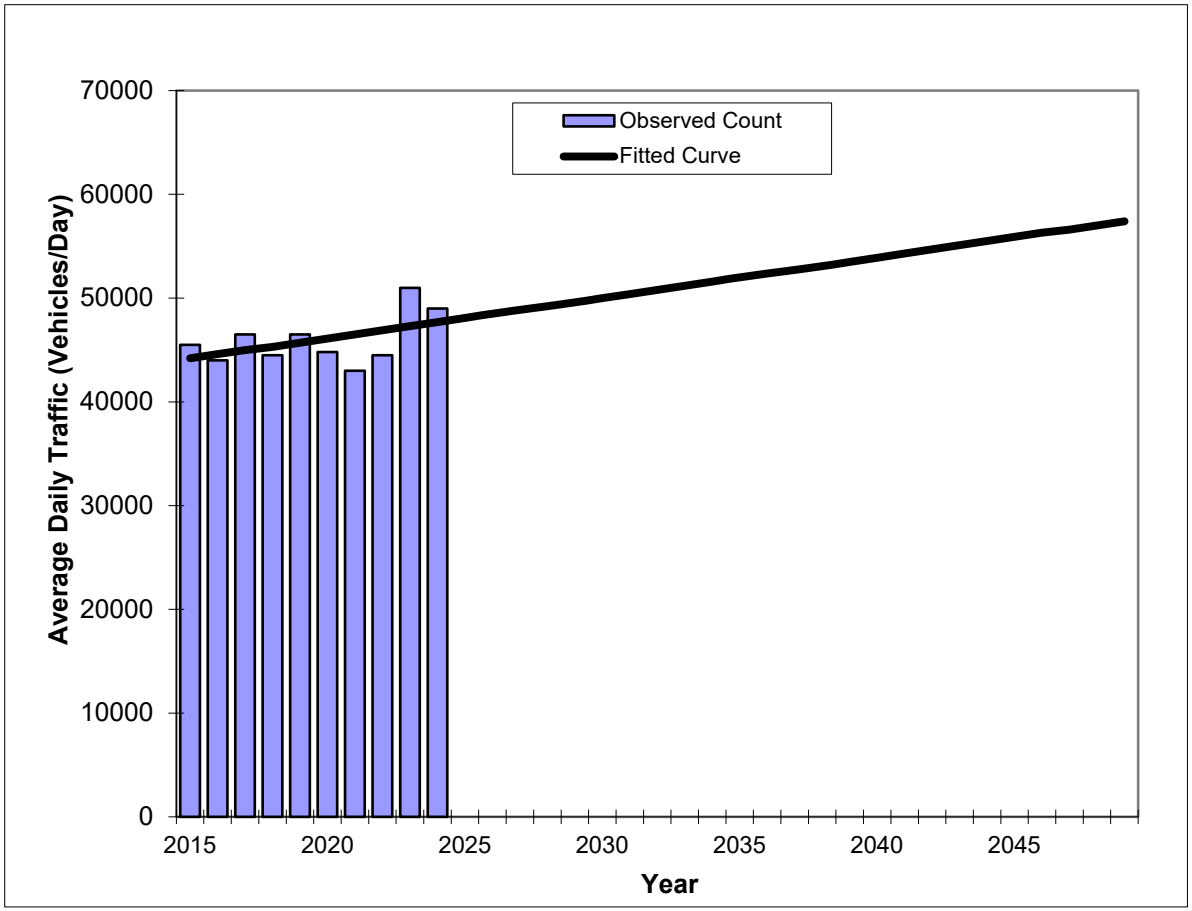
***Axle-Adjusted**

Traffic Trends - V3.0

SR 823/NW 57 Avenue --

FIN#	452567-1
Location	1

County:	Miami-Dade (87)
Station #:	2515
Highway:	SR 823/NW 57 Avenue



Year	Traffic (ADT/AADT) Count*	Trend**
2015	45500	44200
2016	44000	44600
2017	46500	45000
2018	44500	45300
2019	46500	45700
2020	44800	46100
2021	43000	46500
2022	44500	46900
2023	51000	47300
2024	49000	47700
2029 Opening Year Trend		
2029	N/A	49600
2039 Mid-Year Trend		
2039	N/A	53500
2049 Design Year Trend		
2049	N/A	57400
TRANPLAN Forecasts/Trends		

**** Annual Trend Increase:**	390
Trend R-squared:	23.36%
Trend Annual Historic Growth Rate:	0.88%
Trend Growth Rate (2024 to Design Year):	0.81%
Printed:	4-May-25

Straight Line Growth Option

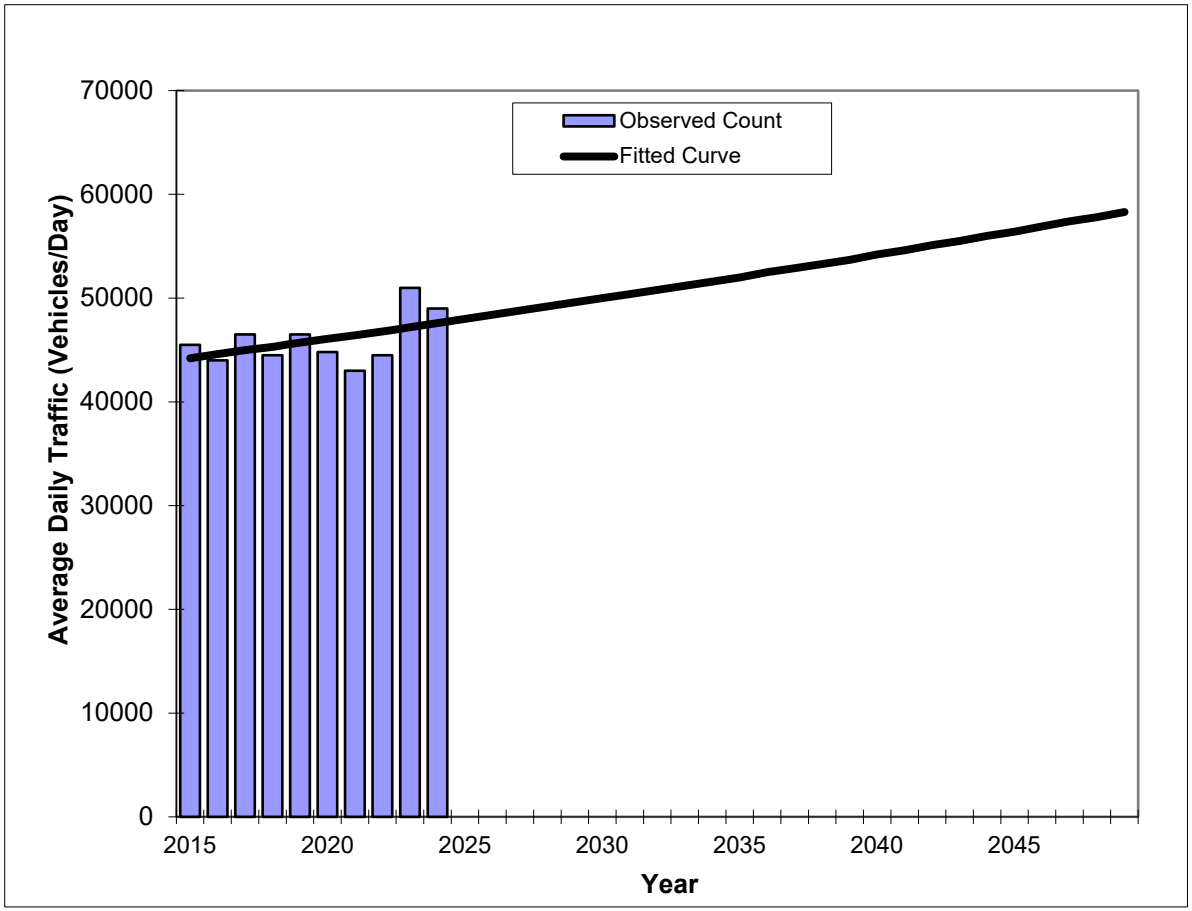
***Axle-Adjusted**

Traffic Trends - V3.0

SR 823/NW 57 Avenue --

FIN#	**452567-1**
Location	**1**

County:	Miami-Dade (87)
Station #:	2515
Highway:	SR 823/NW 57 Avenue



Year	Traffic (ADT/AADT) Count*	Trend**
2015	45500	44200
2016	44000	44600
2017	46500	45000
2018	44500	45300
2019	46500	45700
2020	44800	46100
2021	43000	46400
2022	44500	46800
2023	51000	47200
2024	49000	47600
2029 Opening Year Trend		
2029	N/A	49600
2039 Mid-Year Trend		
2039	N/A	53700
2049 Design Year Trend		
2049	N/A	58300
TRANPLAN Forecasts/Trends		

Trend R-squared:	22.37%
Compounded Annual Historic Growth Rate:	0.83%
Compounded Growth Rate (2024 to Design Year):	0.81%
Printed:	4-May-25

Exponential Growth Option

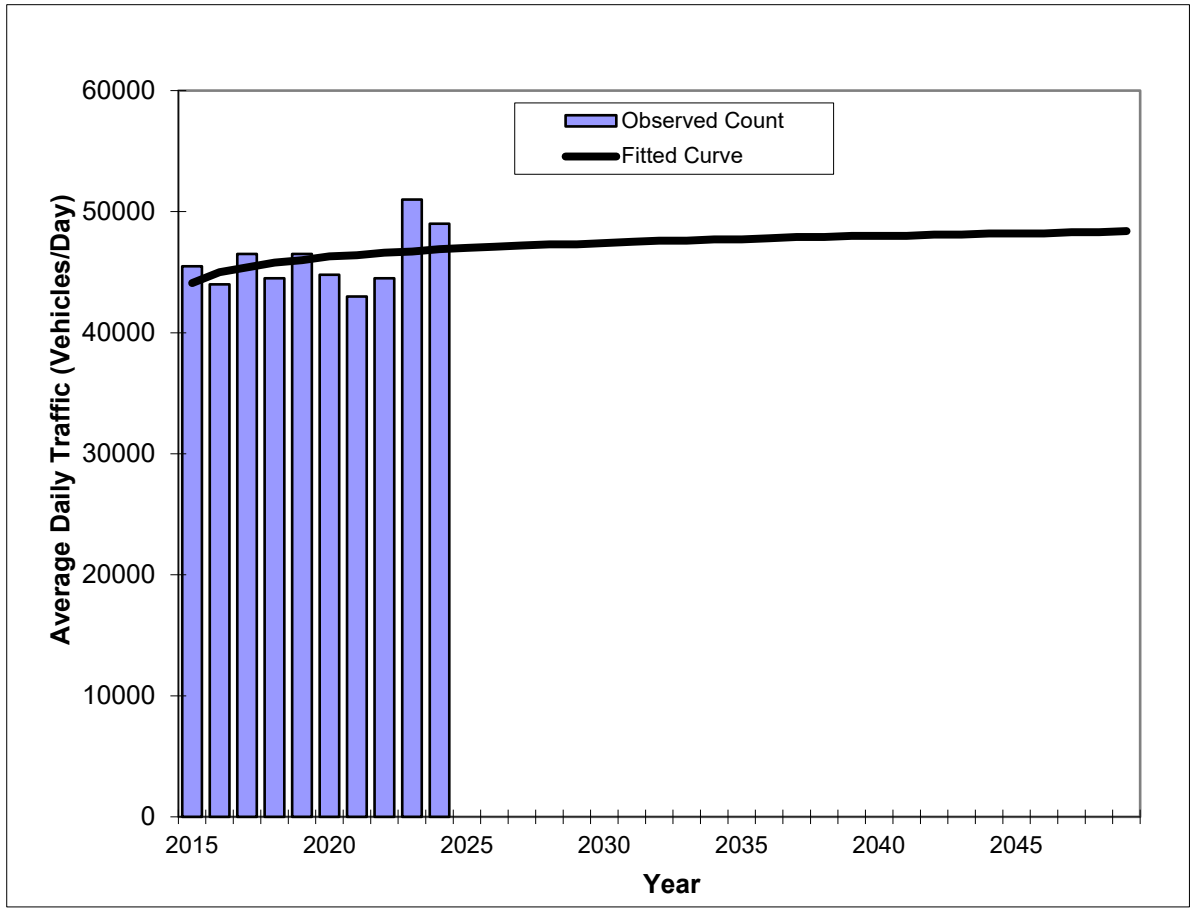
***Axle-Adjusted**

Traffic Trends - V3.0

SR 823/NW 57 Avenue --

FIN#	452567-1
Location	1

County:	Miami-Dade (87)
Station #:	2515
Highway:	SR 823/NW 57 Avenue



Year	Traffic (ADT/AADT) Count*	Trend**
2015	45500	44100
2016	44000	45000
2017	46500	45400
2018	44500	45800
2019	46500	46000
2020	44800	46300
2021	43000	46400
2022	44500	46600
2023	51000	46700
2024	49000	46900
2029 Opening Year Trend		
2029	N/A	47300
2039 Mid-Year Trend		
2039	N/A	48000
2049 Design Year Trend		
2049	N/A	48400
TRANPLAN Forecasts/Trends		

Trend R-squared:	12.67%
Compounded Annual Historic Growth Rate:	0.69%
Compounded Growth Rate (2024 to Design Year):	0.13%
Printed:	4-May-25

Decaying Exponential Growth Option

***Axle-Adjusted**

APPENDIX E

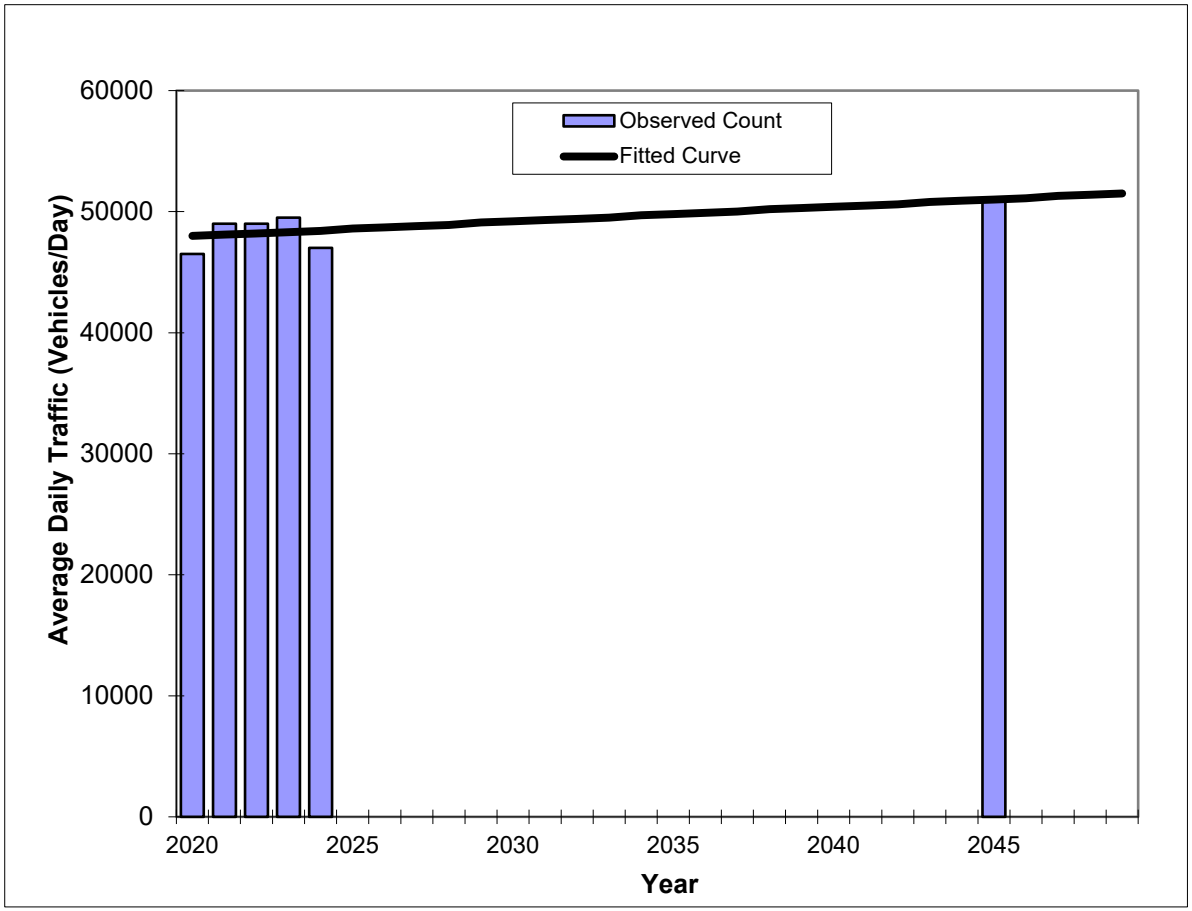
Model Growth Trends Analysis

Traffic Trends - V3.0

SR 823/NW 57 Avenue --

FIN#	452567-1
Location	1

County:	Miami-Dade (87)
Station #:	2514
Highway:	SR 823/NW 57 Avenue



Year	Traffic (ADT/AADT) Count*	Trend**
2020	46500	48000
2021	49000	48100
2022	49000	48200
2023	49500	48300
2024	47000	48400
2029 Opening Year Trend		
2029	N/A	49100
2039 Mid-Year Trend		
2039	N/A	50300
2049 Design Year Trend		
2049	N/A	51500
TRANPLAN Forecasts/Trends		
2045	51000	51000

**** Annual Trend Increase:**	122
Trend R-squared:	48.80%
Trend Annual Historic Growth Rate:	0.21%
Trend Growth Rate (2024 to Design Year):	0.26%
Printed:	4-May-25

Straight Line Growth Option

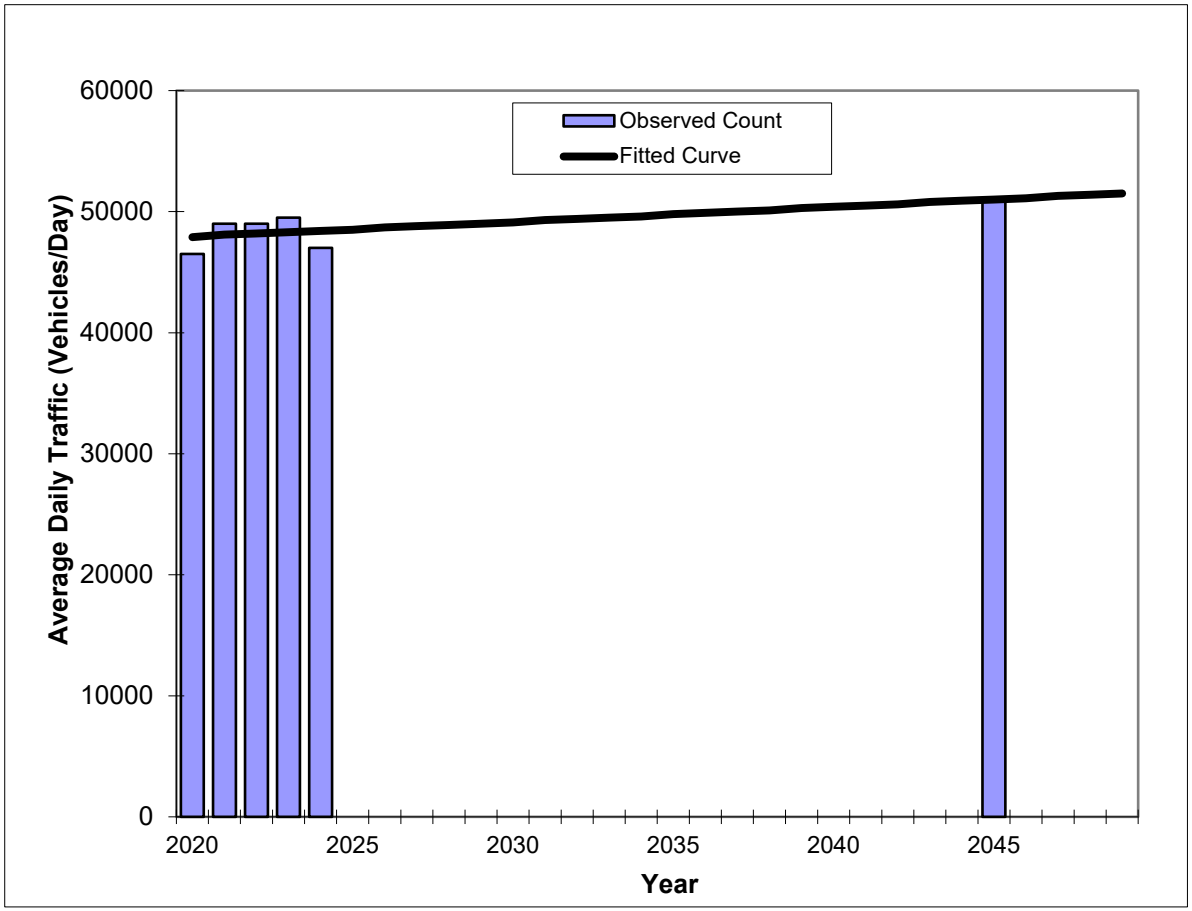
***Axle-Adjusted**

Traffic Trends - V3.0

SR 823/NW 57 Avenue --

FIN#	**452567-1**
Location	**1**

County:	Miami-Dade (87)
Station #:	2514
Highway:	SR 823/NW 57 Avenue



Year	Traffic (ADT/AADT) Count*	Trend**
2020	46500	47900
2021	49000	48100
2022	49000	48200
2023	49500	48300
2024	47000	48400
2029 Opening Year Trend		
2029	N/A	49000
2039 Mid-Year Trend		
2039	N/A	50300
2049 Design Year Trend		
2049	N/A	51500
TRANPLAN Forecasts/Trends		
2045	51000	51000

Trend R-squared:	47.46%
Compounded Annual Historic Growth Rate:	0.26%
Compounded Growth Rate (2024 to Design Year):	0.25%
Printed:	4-May-25

Exponential Growth Option

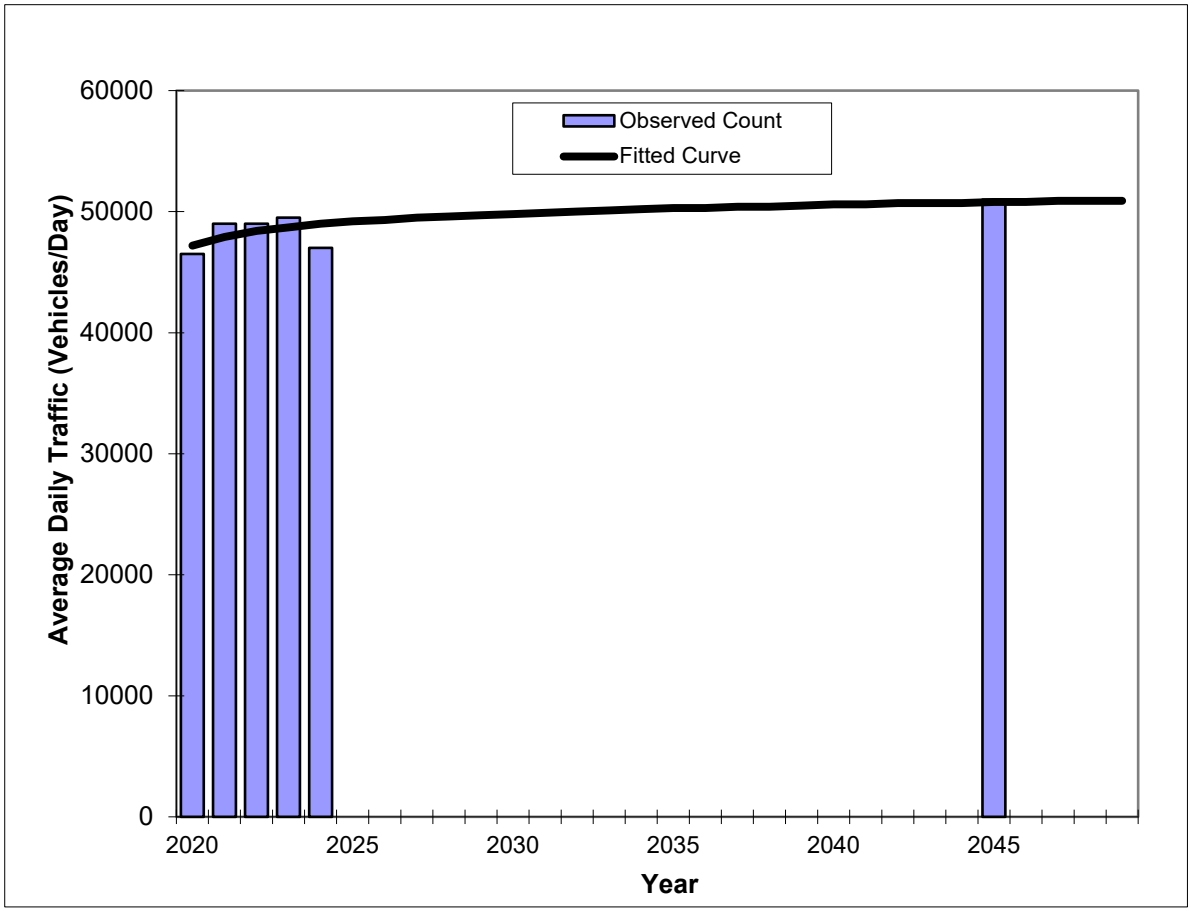
***Axle-Adjusted**

Traffic Trends - V3.0

SR 823/NW 57 Avenue --

FIN#	452567-1
Location	1

County:	Miami-Dade (87)
Station #:	2514
Highway:	SR 823/NW 57 Avenue



Year	Traffic (ADT/AADT) Count*	Trend**
2020	46500	47200
2021	49000	47900
2022	49000	48400
2023	49500	48700
2024	47000	49000
2029 Opening Year Trend		
2029	N/A	49700
2039 Mid-Year Trend		
2039	N/A	50500
2049 Design Year Trend		
2049	N/A	50900
TRANPLAN Forecasts/Trends		
2045	51000	50800

Trend R-squared:	53.41%
Compounded Annual Historic Growth Rate:	0.94%
Compounded Growth Rate (2024 to Design Year):	0.15%
Printed:	4-May-25

Decaying Exponential Growth Option

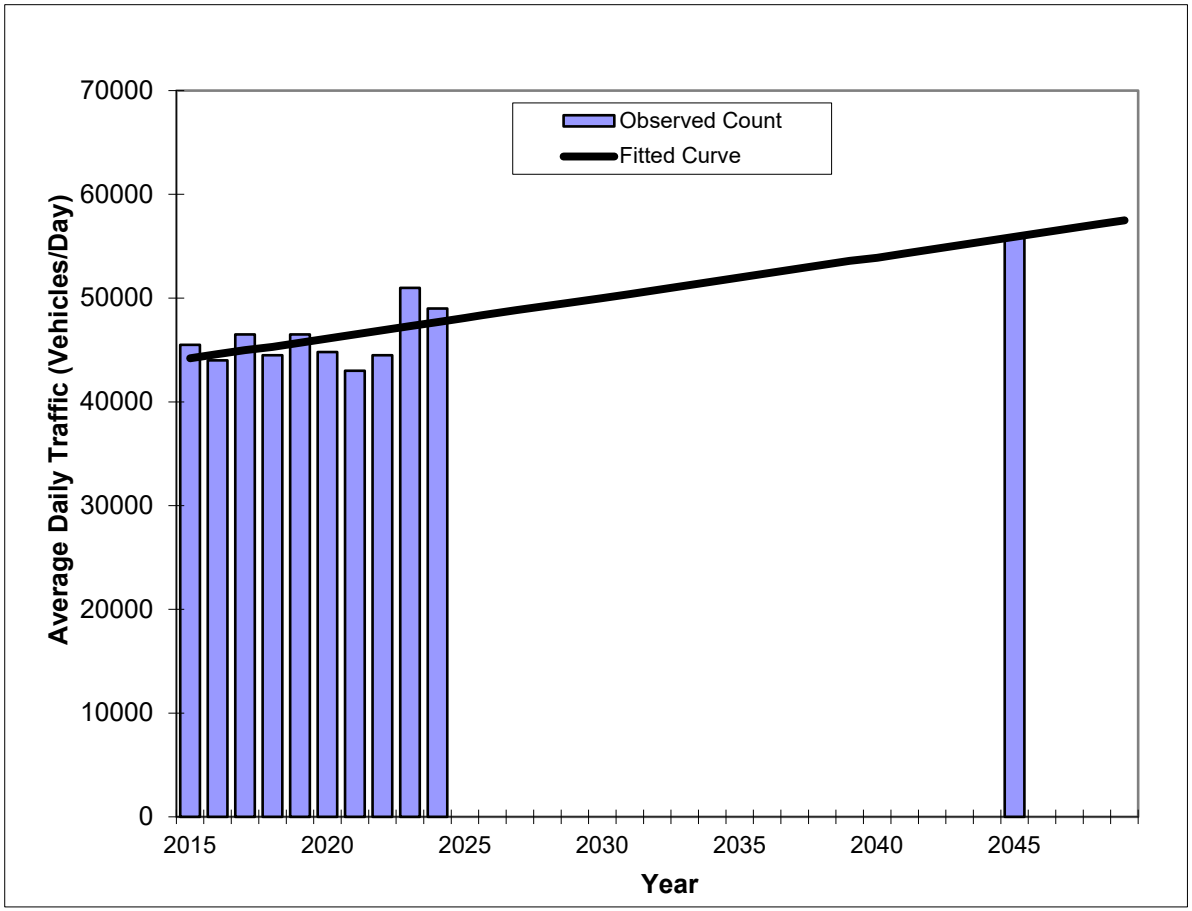
***Axle-Adjusted**

Traffic Trends - V3.0

SR 823/NW 57 Avenue --

FIN#	**452567-1**
Location	**1**

County:	Miami-Dade (87)
Station #:	2515
Highway:	SR 823/NW 57 Avenue



Year	Traffic (ADT/AADT) Count*	Trend**
2015	45500	44200
2016	44000	44600
2017	46500	45000
2018	44500	45300
2019	46500	45700
2020	44800	46100
2021	43000	46500
2022	44500	46900
2023	51000	47300
2024	49000	47700
2029 Opening Year Trend		
2029	N/A	49600
2039 Mid-Year Trend		
2039	N/A	53600
2049 Design Year Trend		
2049	N/A	57500
TRANPLAN Forecasts/Trends		
2045	55939	55900

**** Annual Trend Increase:**	391
Trend R-squared:	71.45%
Trend Annual Historic Growth Rate:	0.88%
Trend Growth Rate (2024 to Design Year):	0.82%
Printed:	4-May-25

Straight Line Growth Option

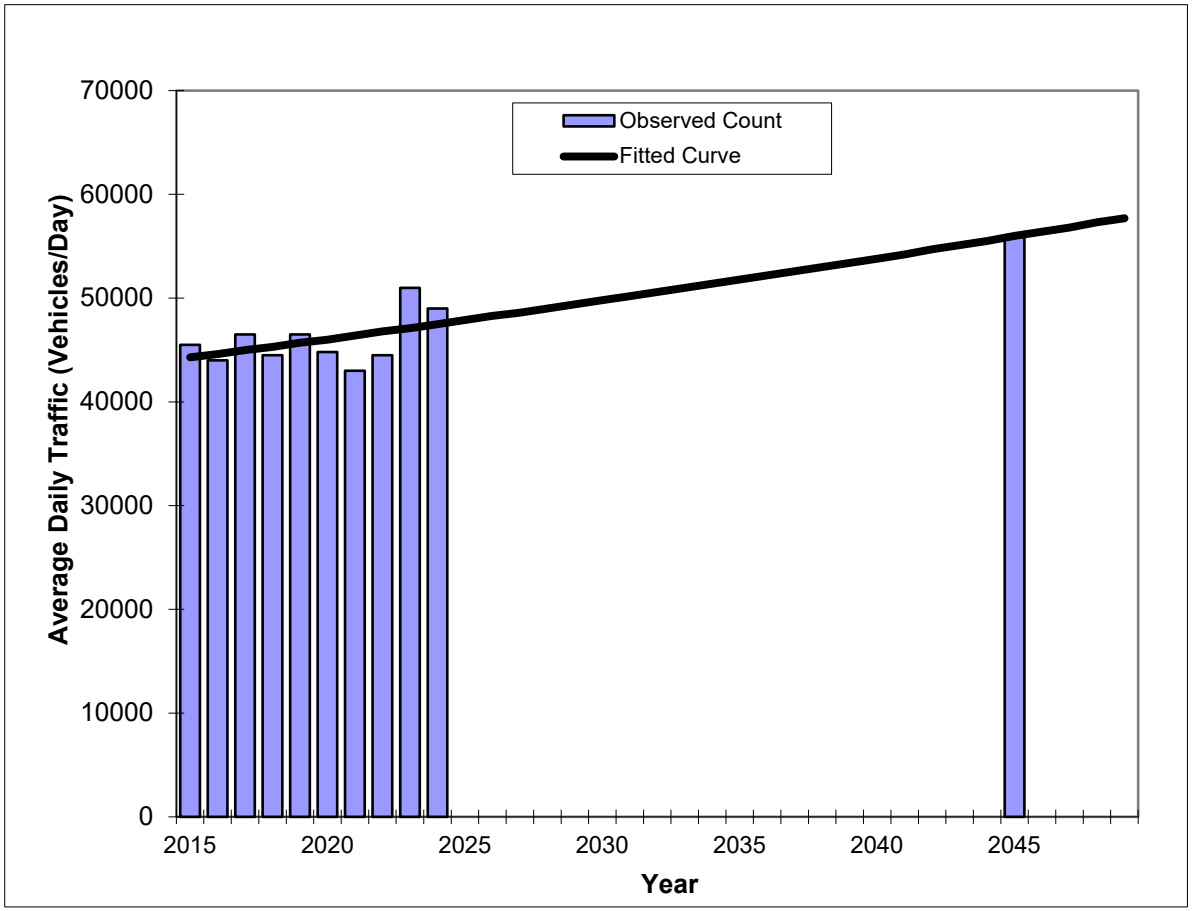
***Axle-Adjusted**

Traffic Trends - V3.0

SR 823/NW 57 Avenue --

FIN#	**452567-1**
Location	**1**

County:	Miami-Dade (87)
Station #:	2515
Highway:	SR 823/NW 57 Avenue



Year	Traffic (ADT/AADT) Count*	Trend**
2015	45500	44300
2016	44000	44600
2017	46500	45000
2018	44500	45300
2019	46500	45700
2020	44800	46000
2021	43000	46400
2022	44500	46800
2023	51000	47100
2024	49000	47500
2029 Opening Year Trend		
2029	N/A	49400
2039 Mid-Year Trend		
2039	N/A	53400
2049 Design Year Trend		
2049	N/A	57700
TRANPLAN Forecasts/Trends		
2045	55939	56000

Trend R-squared:	68.42%
Compounded Annual Historic Growth Rate:	0.78%
Compounded Growth Rate (2024 to Design Year):	0.78%
Printed:	4-May-25

Exponential Growth Option

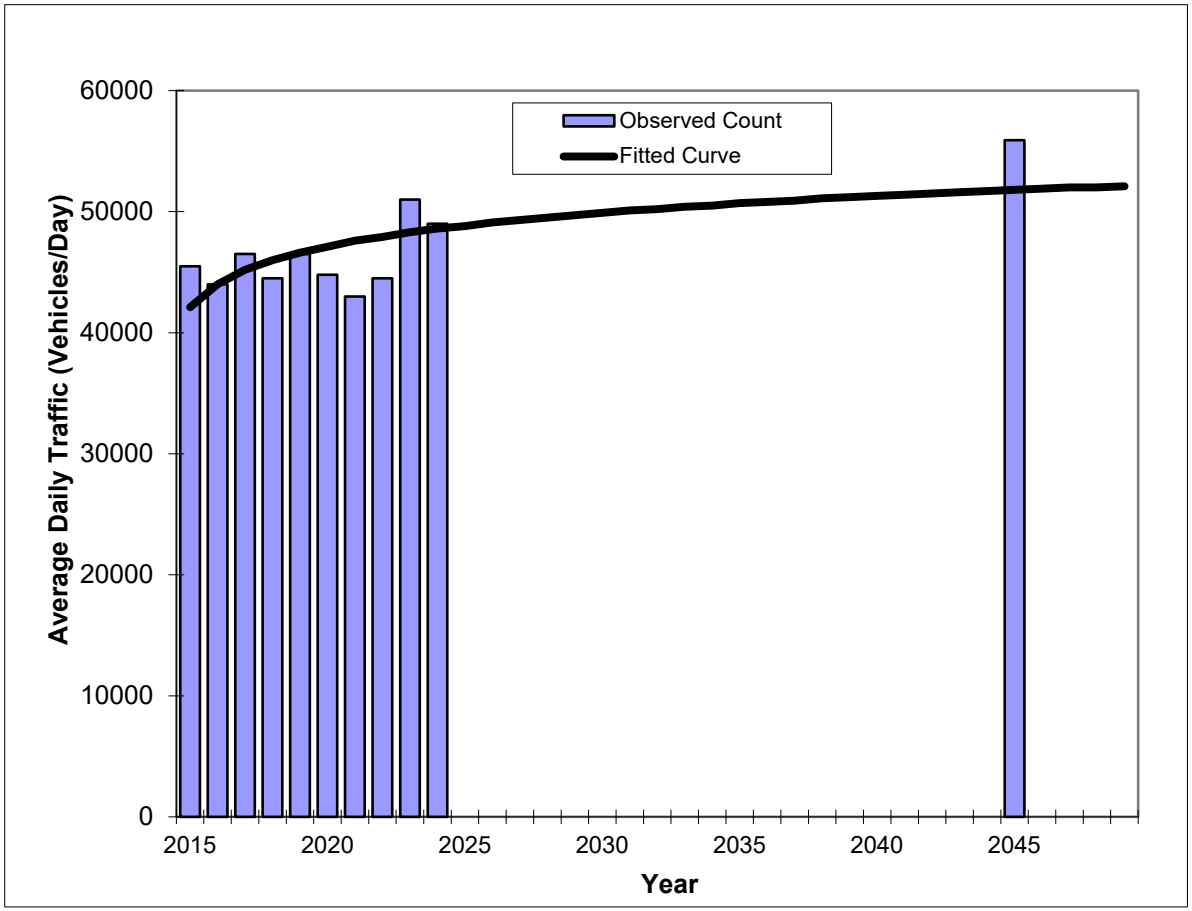
***Axle-Adjusted**

Traffic Trends - V3.0

SR 823/NW 57 Avenue --

FIN#	**452567-1**
Location	**1**

County:	Miami-Dade (87)
Station #:	2515
Highway:	SR 823/NW 57 Avenue



Year	Traffic (ADT/AADT) Count*	Trend**
2015	45500	42100
2016	44000	44000
2017	46500	45200
2018	44500	46000
2019	46500	46600
2020	44800	47100
2021	43000	47600
2022	44500	47900
2023	51000	48300
2024	49000	48600
2029 Opening Year Trend		
2029	N/A	49700
2039 Mid-Year Trend		
2039	N/A	51200
2049 Design Year Trend		
2049	N/A	52100
TRANPLAN Forecasts/Trends		
2045	55939	51800

*Axle-Adjusted

Trend R-squared:	45.45%
Compounded Annual Historic Growth Rate:	1.61%
Compounded Growth Rate (2024 to Design Year):	0.28%
Printed:	4-May-25

Decaying Exponential Growth Option

APPENDIX F

18-Kip ESAL Calculations

18 kip EQUIVALENT SINGLE AXLE LOAD ANALYSIS

PROJECT TRAFFIC FOR PD&E and DESIGN ANALYSIS INFO / FACTORS

PIN #: 452567-1
COUNTY: Miami-Dade
ROADWAYID: 87002000
PROJECT DESCRIPTION: SR 823/NW 57 Avenue/Red Road from south of NW 186 Street to south of HEFT

LOCATION #: 1

LOCATION DESCRIPTION: SR 823/NW 57 Avenue/Red Road from south of NW 186 Street to NW 199 Street

GROWTH RATE FORMULA

A: Interpolation
B: Enter Growth Rate
C: Enter All AADTs
D: New Facility

If "A" select an interpolation function
If "B" enter rate as decimals (1%=1.01)
If ""C", or "D" continue to next section

Choose A, B, C, or D here: C

Linear Growth Rate _____ %
Compounded Growth Rate _____ %
Decaying Growth Rate _____ %
(select one)

DESIGN INFORMATION

		AADT
Existing Year	2024	47000
Opening Year	2029	49100
Mid-Design Year	2039	50300
Design Year	2049	51500

Note: AADT values have been rounded to the nearest 100

Daily Direction Split (50% or 100%)	50%
Lanes in One Direction	3
T24 values	
Existing to Opening Year	5.46%
Opening to Mid-Year	5.46%
Mid-Year to Design-Year	5.46%

1995 EQUIVALENCY FACTORS |u(1)|

(selected with an X)	FLEXIBLE PAVEMENT SN = 5/THICK		RIGID PAVEMENT SN = 12/THICK	
RURAL FREEWAY:	1.050	___	1.600	___
URBAN FREEWAY:	0.900	___	1.270	___
RURAL HIGHWAY:	0.960	___	1.350	___
URBAN HIGHWAY:	0.890	X	1.220	___
OTHER (Enter Factor and X):		___		___

(1) Equivalency Factors are based on Updated Pavement Damage Factors Memorandum, dated July 2, 1998.
Lane Factors developed by Copes equation

I have reviewed the 18 kip Equivalent Single Axle Loads (ESAL's) to be used for pavement design on this project. I hereby attest that these have been developed in accordance with the FDOT Project Traffic Forecasting Procedure using historical traffic data and other available information.

Prepared by: Suresh Allu, P.E., Project Engineer, CTS Engineering, Inc. — 5/5/2025
Name — Date

Signature

SURESH K ALLU — No. 85951 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

5/5/2025
Reviewed by: Name — Date

Signature

18 kip EQUIVALENT SINGLE AXLE LOAD ANALYSIS - LOCATION 1

PROJECT TRAFFIC FOR PD&E and DESIGN ANALYSIS INFO / FACTORS

YEARS: *2024 to 2049*

SECTION #: 87002000 **COUNTY:** Miami-Dade **PIN #:** 452567-1

FLEXIBLE PAVEMENT URBAN HIGHWAY 0.890

SN=5/THICK SR 823/NW 57 Avenue/Red Road from south of NW 186 Street to south of HEFT C

YEAR	AADT	ESAL (1000S)	ACCUM (1000s)	D	T	LF	EF
2024	47000	256	0	0.5	5.46%	0.612	0.890
2025	47400	257	0	0.5	5.46%	0.611	0.890
2026	47800	259	0	0.5	5.46%	0.611	0.890
2027	48200	261	0	0.5	5.46%	0.610	0.890
2028	48600	263	0	0.5	5.46%	0.609	0.890
2029	49100	265	265	0.5	5.46%	0.608	0.890
2030	49200	266	531	0.5	5.46%	0.608	0.890
2031	49300	266	797	0.5	5.46%	0.608	0.890
2032	49400	267	1064	0.5	5.46%	0.608	0.890
2033	49500	267	1331	0.5	5.46%	0.608	0.890
2034	49700	268	1599	0.5	5.46%	0.607	0.890
2035	49800	269	1868	0.5	5.46%	0.607	0.890
2036	49900	269	2137	0.5	5.46%	0.607	0.890
2037	50000	270	2407	0.5	5.46%	0.607	0.890
2038	50100	270	2677	0.5	5.46%	0.607	0.890
2039	50300	271	2948	0.5	5.46%	0.606	0.890
2040	50400	271	3219	0.5	5.46%	0.606	0.890
2041	50500	272	3491	0.5	5.46%	0.606	0.890
2042	50600	272	3763	0.5	5.46%	0.606	0.890
2043	50700	273	4036	0.5	5.46%	0.606	0.890
2044	50900	274	4310	0.5	5.46%	0.605	0.890
2045	51000	274	4584	0.5	5.46%	0.605	0.890
2046	51100	275	4859	0.5	5.46%	0.605	0.890
2047	51200	275	5134	0.5	5.46%	0.605	0.890
2048	51300	276	5410	0.5	5.46%	0.605	0.890
2049	51500	277	5687	0.5	5.46%	0.604	0.890

Opening to Mid-Design Year ESAL Accumulation (1000s): 2683

Opening to Design Year ESAL Accumulation (1000s): 5422

I have reviewed the 18 kip Equivalent Single Axle Loads (ESAL's) to be used for pavement design on this project. I hereby attest that these have been developed in accordance with the FDOT Project Traffic Forecasting Procedure using historical traffic data and other available information.

Prepared by: Suresh Allu, P.E., Project Engineer, CTS Engineering, Inc. 5/5/2025

Name Date

Signature

5/5/2025

Reviewed By: Name Date

Signature

SURESH K. ALLU No. 85951 STATE OF FLORIDA PROFESSIONAL ENGINEER

18 kip EQUIVALENT SINGLE AXLE LOAD ANALYSIS

PROJECT TRAFFIC FOR PD&E and DESIGN ANALYSIS INFO / FACTORS

PIN #: 452567-1
COUNTY: Miami-Dade
ROADWAYID: 87002000
PROJECT DESCRIPTION: SR 823/NW 57 Avenue/Red Road from south of NW 186 Street to south of HEFT

LOCATION #: 2

LOCATION DESCRIPTION: SR 823/NW 57 Avenue/Red Road from NW 199 Street to south of HEFT

GROWTH RATE FORMULA

A: Interpolation
B: Enter Growth Rate
C: Enter All AADTs
D: New Facility

If "A" select an interpolation function
If "B" enter rate as decimals (1%=1.01)
If ""C", or "D" continue to next section

Choose A, B, C, or D here: C

Linear Growth Rate _____ %
Compounded Growth Rate _____ %
Decaying Growth Rate _____ %
(select one)

DESIGN INFORMATION

		AADT
Existing Year	2024	49000
Opening Year	2029	49600
Mid-Design Year	2039	53600
Design Year	2049	57500

Note: AADT values have been rounded to the nearest 100

Daily Direction Split (50% or 100%)	50%
Lanes in One Direction	3
T24 values	
Existing to Opening Year	5.28%
Opening to Mid-Year	5.28%
Mid-Year to Design-Year	5.28%

1995 EQUIVALENCY FACTORS |u(1)|

(selected with an X)	FLEXIBLE PAVEMENT SN = 5/THICK		RIGID PAVEMENT SN = 12/THICK	
RURAL FREEWAY:	1.050	___	1.600	___
URBAN FREEWAY:	0.900	___	1.270	___
RURAL HIGHWAY:	0.960	___	1.350	___
URBAN HIGHWAY:	0.890	X	1.220	___
OTHER (Enter Factor and X):		___		___

(1) Equivalency Factors are based on Updated Pavement Damage Factors Memorandum, dated July 2, 1998.
Lane Factors developed by Copes equation

I have reviewed the 18 kip Equivalent Single Axle Loads (ESAL's) to be used for pavement design on this project. I hereby attest that these have been developed in accordance with the FDOT Project Traffic Forecasting Procedure using historical traffic data and other available information.

Prepared by: Suresh Allu, P.E., Project Engineer, CTS Engineering, Inc. 5/5/2025
Name Date

Signature

SURESH K. ALLU ★ No. 85951 ★ STATE OF FLORIDA PROFESSIONAL ENGINEER

5/5/2025
Reviewed by: Name Date

Signature

18 kip EQUIVALENT SINGLE AXLE LOAD ANALYSIS - LOCATION 2

PROJECT TRAFFIC FOR PD&E and DESIGN ANALYSIS INFO / FACTORS

YEARS: *2024 to 2049*

SECTION #: 87002000 **COUNTY:** Miami-Dade **PIN #:** 452567-1

FLEXIBLE PAVEMENT URBAN HIGHWAY 0.890

SN=5/THICK SR 823/NW 57 Avenue/Red Road from south of NW 186 Street to south of HEFT C

YEAR	AADT	ESAL (1000S)	ACCUM (1000s)	D	T	LF	EF
2024	49000	256	0	0.5	5.28%	0.609	0.890
2025	49100	257	0	0.5	5.28%	0.608	0.890
2026	49200	257	0	0.5	5.28%	0.608	0.890
2027	49300	258	0	0.5	5.28%	0.608	0.890
2028	49400	258	0	0.5	5.28%	0.608	0.890
2029	49600	259	259	0.5	5.28%	0.608	0.890
2030	50000	261	520	0.5	5.28%	0.607	0.890
2031	50400	263	783	0.5	5.28%	0.606	0.890
2032	50800	264	1047	0.5	5.28%	0.606	0.890
2033	51200	266	1313	0.5	5.28%	0.605	0.890
2034	51600	268	1581	0.5	5.28%	0.604	0.890
2035	52000	270	1851	0.5	5.28%	0.604	0.890
2036	52400	271	2122	0.5	5.28%	0.603	0.890
2037	52800	273	2395	0.5	5.28%	0.602	0.890
2038	53200	275	2670	0.5	5.28%	0.602	0.890
2039	53600	277	2947	0.5	5.28%	0.601	0.890
2040	53900	278	3225	0.5	5.28%	0.601	0.890
2041	54300	280	3505	0.5	5.28%	0.600	0.890
2042	54700	282	3787	0.5	5.28%	0.599	0.890
2043	55100	283	4070	0.5	5.28%	0.599	0.890
2044	55500	285	4355	0.5	5.28%	0.598	0.890
2045	55900	287	4642	0.5	5.28%	0.598	0.890
2046	56300	289	4931	0.5	5.28%	0.597	0.890
2047	56700	291	5222	0.5	5.28%	0.596	0.890
2048	57100	292	5514	0.5	5.28%	0.596	0.890
2049	57500	294	5808	0.5	5.28%	0.595	0.890

Opening to Mid-Design Year ESAL Accumulation (1000s): 2688

Opening to Design Year ESAL Accumulation (1000s): 5549

I have reviewed the 18 kip Equivalent Single Axle Loads (ESALs) to be used for pavement design on this project. I hereby attest that these have been developed in accordance with the FDOT Project Traffic Forecasting Procedure using historical traffic data and other available information.

SURESH KUMAR ALLU No. 85951 STATE OF FLORIDA PROFESSIONAL ENGINEER

Prepared by: Suresh Allu, P.E. Project Engineer, CTS Engineering, Inc. 5/5/2025

Name Date

Signature

5/5/2025

Reviewed By: Name Date

Signature

APPENDIX D-2

Ground Penetration Radar

(GPR)

SUMMARY OF PAVEMENT SURVEY

ver.3.6.24

District	6			GPR Test Date	02/29/24
County	Dade			MPSV Test Date	
Roadway Id.	87002000				
Item-Seg	452567-1				
State Rd. NA	823	US Rd.			
Req. Milepost	7.752	to	9.399	Project # of Lanes	6
GPR Milepost	7.646	to	9.482	GPR # of Lanes	6
MPSV Milepost		to		MPSV # of Lanes	

PAVEMENT TYPE

Milepost		Lanes			
From	To	L1	R1	L2	R2
7.752	9.399	F			

Legend:
F = Flexible, R = Rigid, B = Composite (HMA / PCC) and W = Composite (PCC/HMA)

Notes:

Please type your notes here.

SUMMARY STATISTICS & PLOT SETTINGS (Please use the menu in this block to modify the settings.)

Display: ☑ Statistics ☑ Plots

Data: ◉ Thickness for ◉ HMA or ○ PCC

○ Cross Slope

○ Rut Depth

Pass	Fail
white	orange
blue	yellow
green	red

KML

Lane	Max. Value	Min. Value
R1	15	3

Lanes: ☑ All or ☑ L1R1 ☑ L2R2 ☑ L3R3 ☐ L4R4 ☐ L5R5 ☐ L6R6

Limits:

	Minimum	Maximum	Maj. Unit	Min. Unit
x	7.752	9.399	1.0	0.10
y	0.0	8.0	2.0	1.00

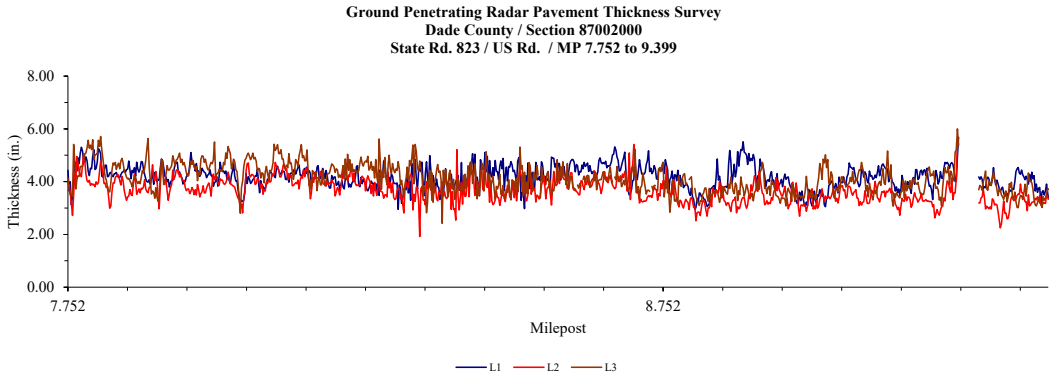
Initialize

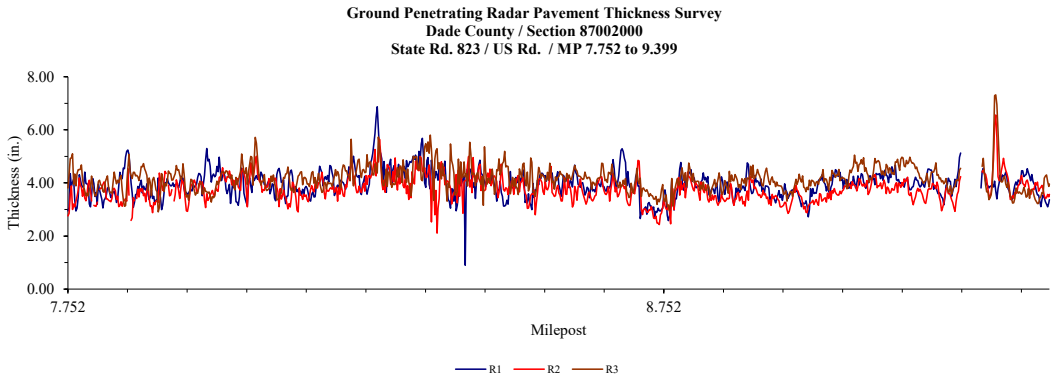
SUMMARY STATISTICS

Units: in.

Lane #	L-Direction				R-Direction			
	Average	Stdev	Max.	Min.	Average	Stdev	Max.	Min.
1	4.17	0.45	5.68	2.95	3.96	0.51	6.87	0.9
2	3.67	0.47	5.5	1.92	3.75	0.48	6.56	2.11
3	4.11	0.55	6	2.42	4.16	0.48	7.32	2.91

PLOTS





APPENDIX D-3

Resilient Modulus (MR) Recommendation Memorandum

Florida Department of Transportation

RON DESANTIS
GOVERNOR

STATE MATERIALS OFFICE
5007 Northeast 39th Avenue, Gainesville, Florida 32609
Telephone: (352) 955-6341, Fax: (850) 412-8160

KEVIN J. THIBAULT
SECRETARY

TO: Kris McKirdy, District 4 Pre-Design Coordinator

FROM: Guangming Wang, P.E., State Pavement Performance Evaluation Engineer

DATE: March 23, 2022

COPIES:

SUBJECT: Resilient Modulus Recommendation

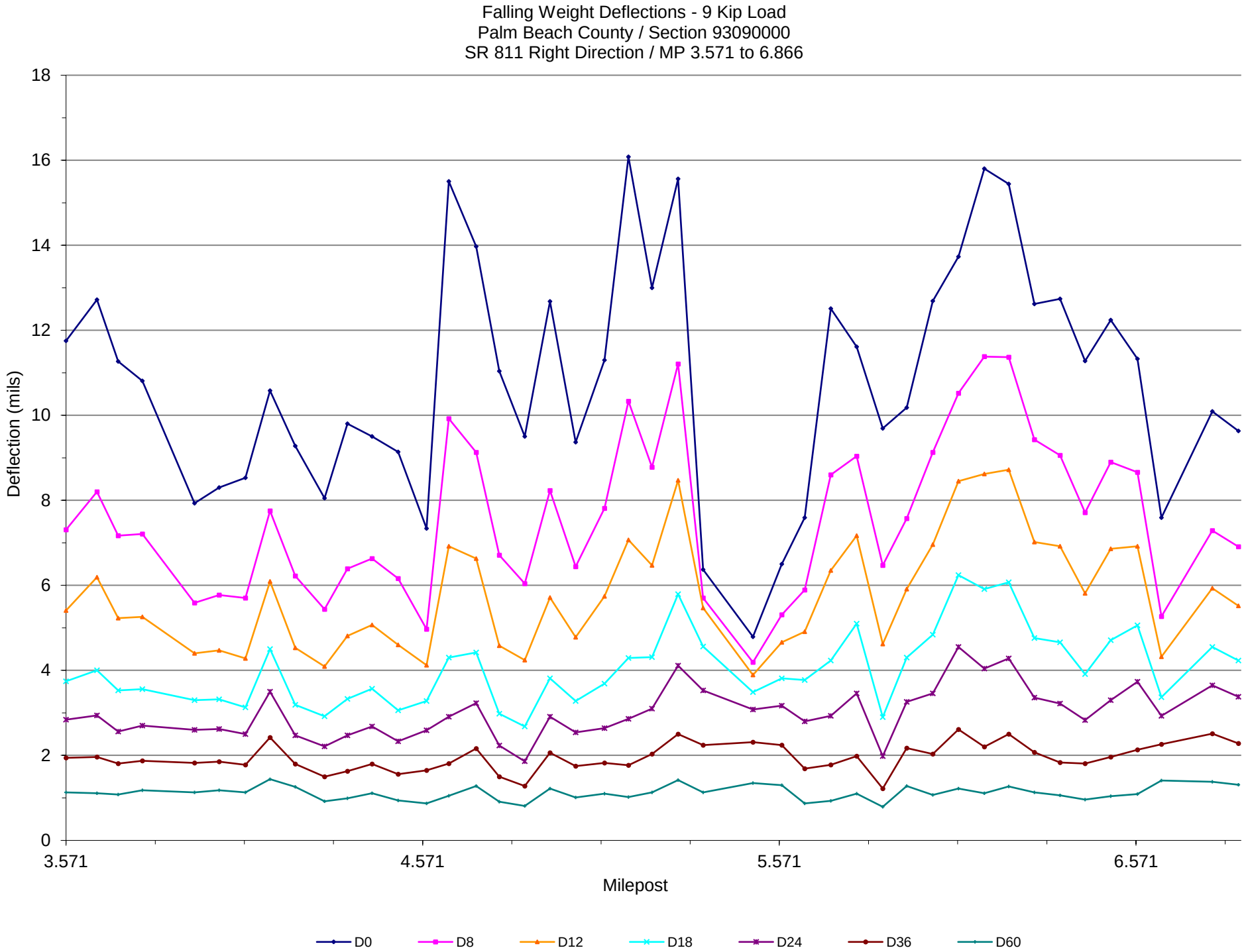
Project Description:	SR 811 MP 3.571 to 6.866
Project Number:	93090000
FIN No.:	448435-1
County:	Palm Beach

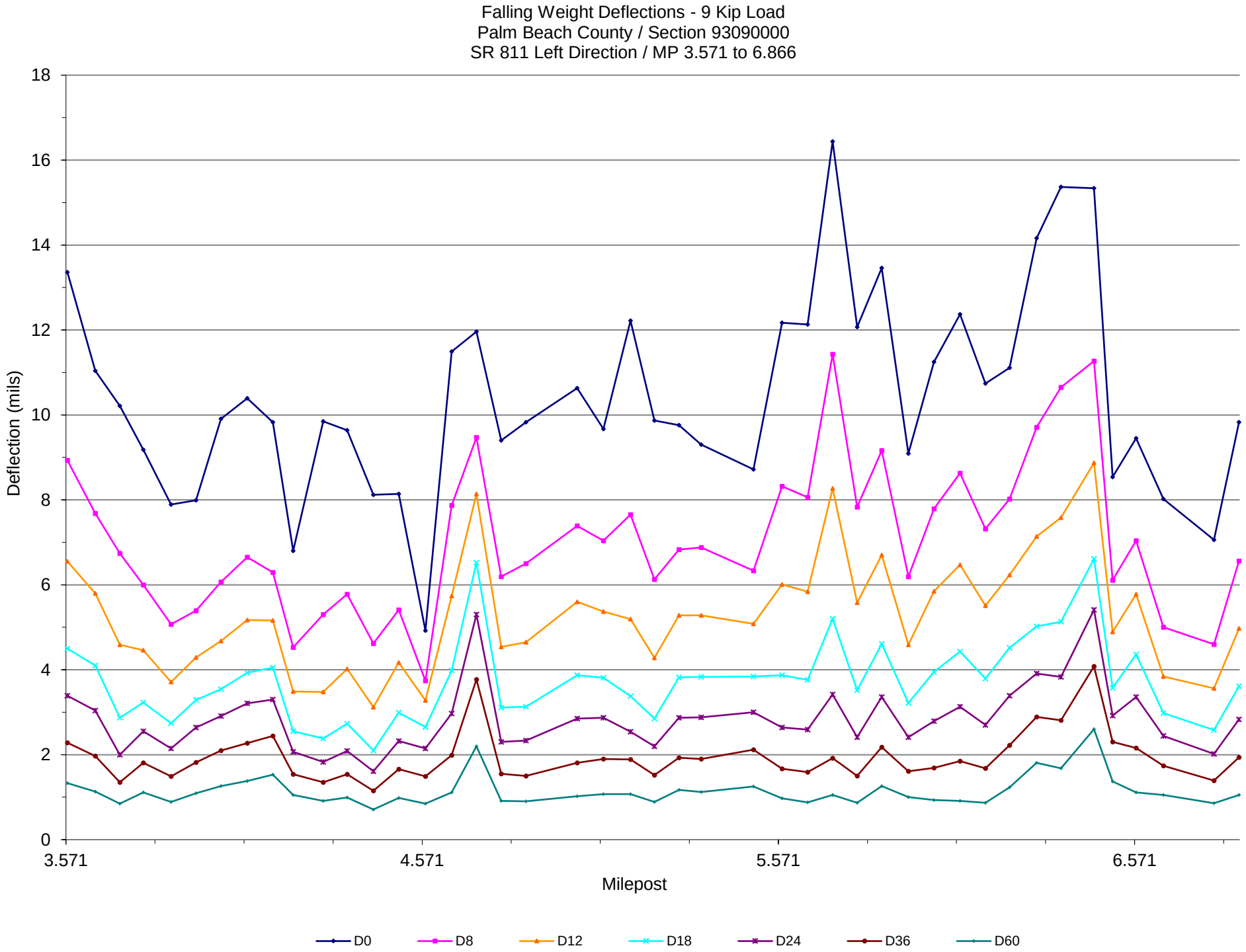
On February 23, 2022 deflection tests were conducted in the right and left traffic lanes of SR 811. Evaluation of the data and resulting deflection plots indicate the following Resilient Modulus is representative of the existing pavement system and is hereby recommended for this project.

Travel Direction	Beginning Milepost	Ending Milepost	Modulus (psi)	Modulus (MPa)
Right/Left	3.571	6.866	21,000	145

Please let me know if you need further assistance.

GW/gm
Attachment: Deflection Plots


Falling Weight Deflections - 9 Kip Load
Palm Beach County / Section 93090000
SR 811 Right Direction / MP 3.571 to 6.866
Deflection (mils)
18
16
14
12
10
8
6
4
2
0
3.571
4.571
5.571
6.571
Milepost
D0
D8
D12
D18
D24
D36
D60


Falling Weight Deflections - 9 Kip Load
Palm Beach County / Section 93090000
SR 811 Left Direction / MP 3.571 to 6.866
Deflection (mils)
0
2
4
6
8
10
12
14
16
18
3.571
4.571
5.571
6.571
Milepost
D0
D8
D12
D18
D24
D36
D60

APPENDIX D-4

Pavement Evaluation

Condition Forecast Plan

2025-2030 (PCS)

FLORIDA DEPARTMENT OF TRANSPORTATION

ALL SYSTEM PAVEMENT CONDITION FORECAST

PAVEMENT IMPROVEMENT PROJECTS IN FM WPA TENTATIVE PLAN -- 2025 - 2030, EXTRACTED ON 08/16/2024

SORT BY RDWYID MILEPOST R ASCENDING L DESCENDING

DISTRICT = 6 COUNTY = DADE

RDWYID / SR / US / INTERSECT AT (MP|SIDE) / ITMSEG-P / CONTRACTOR (AGE_ONE YEAR) / ITMSEG-F	BMP / G_BMP / W_BMP	EMP / G_EMP / W_EMP	RW	SYS	TYP	SPD	AADT	SURFTYPE / ASTYPE	DISTRESS RATINGS	SURVEYED YEAR 1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	FUTURE 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2029 (PM)
87001000	4.716	5.488	L	1	1	45		CRACKING	10.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.5	8.5	8.5	8.5														
94		4.8		4			54000	RIDE		7.9	7.5	7.4	7.8	7.7	6.7	6.6	6.0	6.7	6.8	6.7	6.1	5.9												
SIDE ROAD(4.8C)								FC95M																										
4332642	4.967	5.419	L	2020			0012	CRACKING		8.0	8.0	8.0	8.0	6.5	6.5	6.5	6.5	4.5*	10.0	10.0	10.0	10.0	9.0											
GENERAL ASPHALT CO., INC.				(2021)				SPRIDE		6.6	6.5	6.5	6.4	6.8	6.8	6.8	6.0	6.8	8.2	7.9	8.1	8.0	7.5											
87001000	2.716	4.716	L	1	1	45		CRACKING	10.0	10.0	10.0	10.0	10.0	9.0	9.0	9.0	9.0	8.5	8.5	8.5	8.5														
94		4.8		3			37500	RIDE		8.3	8.3	8.1	8.2	8.1	7.7	7.6	7.2	7.4	7.4	7.4	7.4	7.2												
SW 149 AVE(2.9L)								FC95M																										
4332643	2.730	4.828	L	2021			0012	CRACKING		8.0	8.0	8.0	7.0	6.5	6.5	6.5	4.5*	3.5*	3.5*	3.5*	10.0	10.0	9.5											
WEEKLY ASPHALT PAVING, IN				(2023)				SPRIDE		7.2	7.2	7.1	7.1	7.1	6.9	6.9	6.8	6.9	6.9	6.8	7.4	7.5	7.0											
87001000	1.617	2.716	L	1	1	45		CRACKING	10.0	9.0	7.5	6.5	4.5*	4.5*	4.5*	4.5*	6.5	4.5*	4.5*		10.0														
94		4.8		3			37500	RIDE		8.1	8.1	8.1	8.1	7.7	6.9	6.9	6.8	7.1	7.0	6.9		8.5												
SW 162 AVE(1.6C)								DGFC																										
									CRACKING	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0	9.0	10.0	10.0	10.0	10.0	9.0											
				(2021)					RIDE	8.4	8.4	8.3	8.3	8.1	7.9	7.4	7.9	7.8	7.9	7.8	7.9	7.9	7.4											
87001000	1.125	1.617	L	1	1	45		CRACKING	10.0	9.0	7.5	6.5	4.5*	4.5*	4.5*	4.5*	10.0	10.0	10.0	10.0	10.0														
94		4.8		2			37500	RIDE		8.1	8.1	8.1	8.1	7.7	6.9	6.9	6.8	8.0	7.9	7.8	7.7	7.7												
DEVELOPMENT ENT R(1.1C)								DGFC																										
									CRACKING	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0			10.0	10.0	9.5											
				(2023)					RIDE	7.6	7.6	7.6	7.6	7.8	7.8	7.3	7.6	7.7			7.1	7.0	6.5											
87001000	0.000	1.125	L	1	1	50		CRACKING	10.0	9.0	7.5	6.5	4.5*	4.5*	4.5*	4.5*	10.0	10.0	10.0	10.0	10.0														
94		6.6		2			20300	RIDE		8.1	8.1	8.1	8.1	7.7	6.9	6.9	6.8	8.0	7.9	7.8	7.7	7.7												
KROME AVE/SW 177 AVE(0.0C)								FC5																										
4124681	0.010	1.397	C	2006			0012	CRACKING		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0	9.0	8.0	8.0	8.0	6.5											
COMMUNITY ASPHALT CORP.				(2007)				SPRIDE		7.6	7.6	7.6	7.6	7.8	7.8	7.3	7.6	7.7	7.8	7.9	7.7	7.7	7.5											
87002000	0.000	0.889	R	1	1	45		CRACKING	6.5	6.5	6.5	4.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*																
823		5.9		2			32000	RIDE		7.4	7.1	7.2	7.1	7.2	6.4*	6.5	6.3	6.0	6.2	6.0	5.9												
OKEECHOBEE RD(0.0C)								FC125M																										
2499413	0.000	0.628	C	2009			0213	CRACKING			10.0	10.0	10.0	10.0	10.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0	8.0											
ASTALDI CONSTRUCTION CORP.				(2013)				SPRIDE			6.7	7.0	6.5	5.9	5.9	5.7	5.4*	5.6	5.6	5.5	5.3*	5.4*	4.9*											
87002000	0.889	2.354	R	1	1	45		CRACKING	6.5	6.5	6.5	4.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*																
823		7.9		3			37500	RIDE		7.4	7.1	7.2	7.1	7.2	6.4*	6.5	6.3	6.0	6.2	6.0	5.9												
W 29 ST(1.3C)								FC125M																										
2499415	0.889	2.354	C	2012			0213	CRACKING			4.5*					10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0											
MCM CORP.				(2018)				SPRIDE			5.6					6.7	6.3	6.4	6.3	6.3	6.2	5.9	5.4*											
87002000	2.354	4.969	R	1	1	45		CRACKING	6.5	6.5	6.5	4.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*																
823		2.9		3			38500	RIDE		7.4	7.1	7.2	7.1	7.2	6.4*	6.5	6.3	6.0	6.2	6.0	5.9												
W 47 ST(2.4R)								FC95M																										
									CRACKING		4.5*					10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0											
				(2018)					RIDE		5.6					7.2	6.9	6.9	6.9	6.8	6.6	6.4	5.9											
87002000	4.969	7.777	R	1	1	45		CRACKING	10.0	10.0	10.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.5	7.0														
823		5.4		3			50500	RIDE		8.3	8.3	8.0	8.2	7.7	7.6	7.5	7.5	7.1	7.3	6.9	6.9	6.7												
NW 142 ST(5.0C)								FC95A																										
4308031	4.969	7.777	C	2016			0012	CRACKING		7.0	7.0	7.0	6.5	4.5*	4.5*		10.0	10.0	10.0	10.0	10.0	10.0	9.0											
H&R PAVING INC				(2019)				SPRIDE		6.6	6.6	6.5	6.2	6.3	6.3		7.1	7.0	7.0	6.9	6.8	6.8	6.3											
87002000	7.777	9.459	R	1	1	45		CRACKING	9.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	10.0	10.0	10.0	10.0														
823		5.1		3			44500	RIDE		8.5	8.1	8.3	8.0	7.9	7.6	7.3	7.1	6.9	7.6	7.4	7.4	7.5												
NW 189 ST(7.9C)								FC5																										
4146171	7.781	9.699	C	2005			0012	CRACKING		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0	9.0	9.0	6.5	7.5	6.0*											
WEEKLY ASPHALT PAVING, IN				(2008)				SPRIDE		7.4	7.4	7.4	7.3	7.3	7.1	7.0	7.0	6.8	7.1	7.0	7.0	6.8	6.6											
4525671	7.752	9.399	C	2027			0012																											
87002000	9.459	9.699	R	1	6	45		CRACKING	9.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	6.5	6.5	10.0	10.0														
823		5.1		3			44500	RIDE		8.5	8.1	8.3	8.0	7.9	7.6	7.3	7.1	6.9	7.0	6.7	8.2	8.6												
BRIDGE #550(9.7C)								DGFC																										
									CRACKING	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.5											
				(2010)					RIDE	8.2	8.6	8.2	8.0	7.3	7.3	7.5																			

"*" INDICATES PAVEMENT DEFICIENT (ANY RATING <=6); START 2006, RIDE RATING OF 6 NOT CONSIDERED DEFICIENT WHEN SPEED LIMIT < 50 MPH.
"*" INDICATES PAVEMENT DEFICIENT (ANY RATING <=6); START 2002, RIDE RATING OF 6 NOT CONSIDERED DEFICIENT WHEN SPEED LIMIT < 45 MPH.
"@" INDICATES G1 PROJECT LENGTH SHORTER THAN ROADWAY SEGMENT 1 MILE OR MORE.
2029 FORECASTED BY PAVEMARS (PM).

FLORIDA DEPARTMENT OF TRANSPORTATION

ALL SYSTEM PAVEMENT CONDITION FORECAST

PAVEMENT IMPROVEMENT PROJECTS IN FM WPA TENTATIVE PLAN -- 2025 - 2030, EXTRACTED ON 08/16/2024

SORT BY RDWYID MILEPOST R ASCENDING L DESCENDING

DISTRICT = 6 COUNTY = DADE

RDWYID / SR / US / INTERSECT AT (MP|SIDE) / ITMSEG-P / CONTRACTOR (AGE_ONE YEAR) / ITMSEG-F	BMP / G_BMP / W_BMP	EMP / G_EMP / W_EMP	RW	SYS	LN	%T	FY-P / FY-F	TYP SPD / AADT / WKMX-P / ASTYPE / WKMX-F	DISTRESS RATINGS	SURVEYED YEAR 1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	FUTURE
87002000	9.459	9.699	L	1	6	45			CRACKING	9.0	7.5	7.5	7.5	6.5	6.5	6.5	6.5	6.5	4.5*	4.5*	10.0	10.0	
823			3	5.1	44500				RIDE	8.2	8.1	8.1	7.9	8.2	7.5	7.4	7.2	7.0	7.2	7.2	8.1	8.1	
BRIDGE #550(9.7C)								DGFC															
									CRACKING	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0	9.0	9.0	9.0	9.0	7.5
							(2010)		RIDE	8.1	8.2	8.2	8.3	7.7	7.7	7.7							
87002000	7.777	9.459	L	1	1	45			CRACKING	9.0	7.5	7.5	7.5	6.5	6.5	6.5	6.5	6.5	10.0	10.0	10.0	10.0	
823			3	5.1	44500				RIDE	8.2	8.1	8.1	7.9	8.2	7.5	7.4	7.2	7.0	6.8	6.7	6.9	6.8	
NW 189 ST(7.9C)								FC5															
4146171	7.781	9.699	C	2005		0012			CRACKING	10.0	10.0	10.0	9.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	6.5	7.5	6.0*
WEEKLEY ASPHALT PAVING, IN				(2008)				SPRIDE	RIDE	6.7	6.7	6.6	6.7	6.6	6.6	6.5	6.5	6.4	6.6	6.4	6.5	6.5	6.3
4525671	7.752	9.399	C	2027		0012																	
87002000	4.969	7.777	L	1	1	45			CRACKING	10.0	10.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0	8.0	8.0	6.5	6.5	
823			3	5.4	50500				RIDE	8.3	8.1	8.1	8.0	7.9	7.5	7.2	6.9	6.7	6.7	6.6	6.3	6.6	
NW 142 ST(5.0C)								FC95A															
4308031	4.969	7.777	C	2016		0012			CRACKING	6.5	6.5	6.5	6.5	4.5*	4.5*		10.0	10.0	10.0	10.0	10.0	10.0	9.0
H&R PAVING INC				(2019)				SPRIDE	RIDE	6.3	6.1	6.1	6.0	6.1	6.0		6.5	6.4	6.5	6.4	6.4	6.4	5.9
87002000	2.354	4.969	L	1	1	45			CRACKING	4.5*	4.5*	4.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	
823			3	2.9	38500				RIDE	7.4	7.3	7.2	7.2	7.2	6.4*	6.3*	6.1	5.9	6.0	6.0	6.1		
SR 932(2.5C)								FC95M															
									CRACKING		4.5*					10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0
							(2018)		RIDE		5.3*					7.1	6.8	6.8	6.8	6.7	6.6	6.4	5.9
87002000	0.889	2.354	L	1	1	45			CRACKING	4.5*	4.5*	4.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	
823			3	7.9	37500				RIDE	7.4	7.3	7.2	7.2	7.2	6.4*	6.3*	6.1	5.9	6.0	6.0	6.1		
W 29 ST(1.3C)								FC125M															
2499415	0.889	2.354	C	2012		0213			CRACKING		4.5*					10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0
MCM CORP.				(2018)				SPRIDE	RIDE		5.3*					6.8	6.7	6.8	6.3	6.4	6.3	6.3	5.8
87002000	0.000	0.889	L	1	1	45			CRACKING	4.5*	4.5*	4.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	3.5*	
823			3	5.9	32000				RIDE	7.4	7.3	7.2	7.2	7.2	6.4*	6.3*	6.1	5.9	6.0	6.0	6.1		
OKEECHOBEE RD(0.0C)								FC125M															
2499413	0.000	0.628	C	2009		0213			CRACKING		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0
ASTALDI CONSTRUCTION CORP.				(2013)				SPRIDE	RIDE		7.3	7.2	6.8	6.3	6.4	6.4	6.3	6.1	5.9	5.9	5.9	5.8	5.3*
87003000	0.000	0.105	R	3	1	30			CRACKING	10.0	10.0	10.0	10.0	9.5	9.5	9.5	9.5	6.5	4.5*		7.5	7.5	
112			2	3.4	31000				RIDE	7.1	7.8	7.9	7.3	6.9	7.0	6.4	6.7	6.4	5.4*		6.1	5.8	
RAMP 87281225(0.0R)								OGFC															
									CRACKING	7.5	6.5	6.5		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.5
							(2016)		RIDE	6.5	6.1	6.3			7.2	5.7	5.4*	5.3*	5.5	5.4*	5.6	5.6	5.4*
87003000	0.406	0.994	R	3	1	30			CRACKING	10.0	10.0	10.0	10.0	9.5	9.5	9.5	9.5	6.5	4.5*	6.5	6.5	6.5	
112			2	3.4	31000				RIDE	7.1	7.8	7.9	7.3	6.9	7.0	6.4	6.7	6.4	5.4*	7.2	7.2	6.8	
								OGFC															
									CRACKING	6.5	6.5	6.5		10.0	10.0	10.0	10.0	10.0	9.0	9.0	9.0	9.0	7.5
							(2016)		RIDE	6.2	6.1	6.3			7.2	7.5	7.7	7.7	7.6	7.6	7.7	7.4	7.2
87003000	0.994	3.443	R	3	1	50			CRACKING	10.0	10.0	10.0	10.0	9.5	9.5	9.5	9.5	7.0	6.5	4.5*	4.5*	4.5*	
112			3	3.4	92500				RIDE	8.5	8.5	8.5	8.4	8.3	7.9	7.8	7.8	7.7	7.8	7.8	7.6	7.5	
								OGFC															
									CRACKING	4.5*	4.5*	4.5*		10.0	10.0	10.0	10.0	9.0	9.0	9.0	9.0	9.0	7.5
							(2016)		RIDE	7.4	7.6	7.4		8.2	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.0	7.8
87003000	3.443	3.947	R	3	1	55			CRACKING	10.0	10.0	9.0	9.0		10.0	10.0	10.0	7.0	7.0	7.0	7.0	7.0	Superseded
112			4	3.4	114000				RIDE	8.7	8.5	8.4	7.9		8.3	8.2	7.8	7.8	7.7	7.0	6.9	6.9	
OFFICIAL USE RAMP(3.7R)								OGFC															
									CRACKING	7.0	7.0	7.0			10.0	10.0	10.0	10.0	9.0	9.0	9.0	9.0	7.5
							(2017)		RIDE	7.3	7.2	7.4			7.8	7.8	7.7	7.6	7.5	7.6	7.6	7.5	7.3
87003000	3.947	4.132	R	3	6	55			CRACKING	6.5	5.9*	6.6	6.6	6.5	7.6	7.7	7.5	6.7	6.4*	9.2	9.1	8.8	
112			4	3.4	114000				RIDE	6.4*	6.6	6.4*	5.3*	6.1*	5.0*	5.7*	5.8*	5.1*	5.9*	5.9*	5.9*	5.3*	
								CONC															
									CRACKING	8.7		8.7	8.2	8.2	7.9	8.2	8.3	7.6	8.9	8.2	9.0	9.1	8.5
							(2014)		RIDE	5.5*		6.0*	5.8*	5.6*	5.5*								

"*" INDICATES PAVEMENT DEFICIENT (ANY RATING <=6); START 2006, RIDE RATING OF 6 NOT CONSIDERED DEFICIENT WHEN SPEED LIMIT < 50 MPH.
"*" INDICATES PAVEMENT DEFICIENT (ANY RATING <=6); START 2002, RIDE RATING OF 6 NOT CONSIDERED DEFICIENT WHEN SPEED LIMIT < 45 MPH.
"@" INDICATES G1 PROJECT LENGTH SHORTER THAN ROADWAY SEGMENT 1 MILE OR MORE.
2029 FORECASTED BY PAVEMARS (PM).

APPENDIX E

Maintenance Issues

APPENDIX E-1
Maintenance Issues
to be Addressed

FM 452567-1 SR 823/NW 57 AVE FROM S OF NW 186 ST TO S OF HEFT

LIST OF OBSERVED MAINTENANCE ITEMS 1/22/24

No.	Station/Side	Features	Description
1	792+16 RT NW 57 Ave and NW 189th St.	Inlet	Chipped top curb inlet and debris in inlet
2	799+93 RT NW 57 Ave & NW 191ST ST.	Sidewalk panel	Cracked sidewalk panel
3	817+37 RT	Curb and gutter	Broken curb and gutter on median nose
4	NW 57 Ave & NW 202nd St 835+00 LT	Lighting pull box	Broken concrete slab around pull box
5	865+70 RT	Pavement Depression	Pavement depression affecting northbound lanes 150' north of Bridge 870950. Jose Guevara stated that (2/2/24, 305-640-7156), the FDOT Maintenance Office will repair this pavement depression
6	866+38 RT	Sidewalk Panel	Tripping hazard at inlet and broken sidewalk

North Dade Maintenance (Bencze Vajta) responded that will handle repairs of the sidewalk, top curb inlet, curb and gutter, and concrete slab at light pole.

FDOT DISTRICT 6
PLANNING AND ENVIRONMENTAL
MANAGEMENT OFFICE
1000 NW 111TH AVENUE
MIAMI, FLORIDA 33172

823

SCOPING REPORT
SR 823/ NW 57TH AVE/ RED RD
FROM S OF NW 186TH ST TO S OF HEFT
(ROADWAY ID 87002000, MP 7.752 TO MP 9.399)

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	452567-1-32-01

EXHIBIT 1 DEFICIENCES AND RECOMMENDATIONS

SHEET NO. 1

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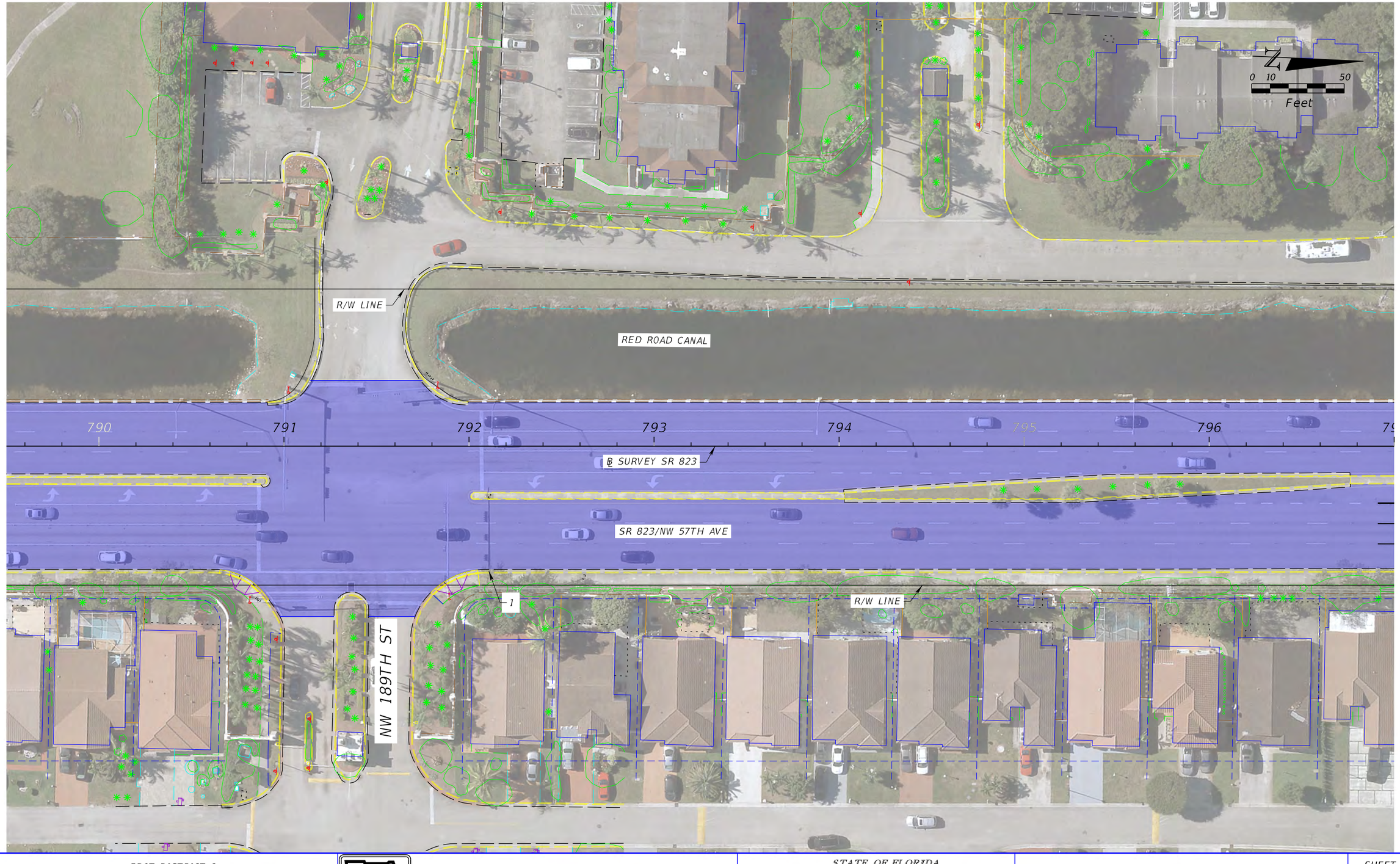

FDOT DISTRICT 6
PLANNING AND ENVIRONMENTAL
MANAGEMENT OFFICE
1000 NW 111TH AVENUE
MIAMI, FLORIDA 33172

823

SCOPING REPORT
SR 823/ NW 57TH AVE/ RED RD
FROM S OF NW 186TH ST TO S OF HEFT
(ROADWAY ID 87002000, MP 7.752 TO MP 9.399)

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	452567-1-32-01

EXHIBIT 1 DEFICIENCES AND RECOMMENDATIONS

SHEET NO. 2

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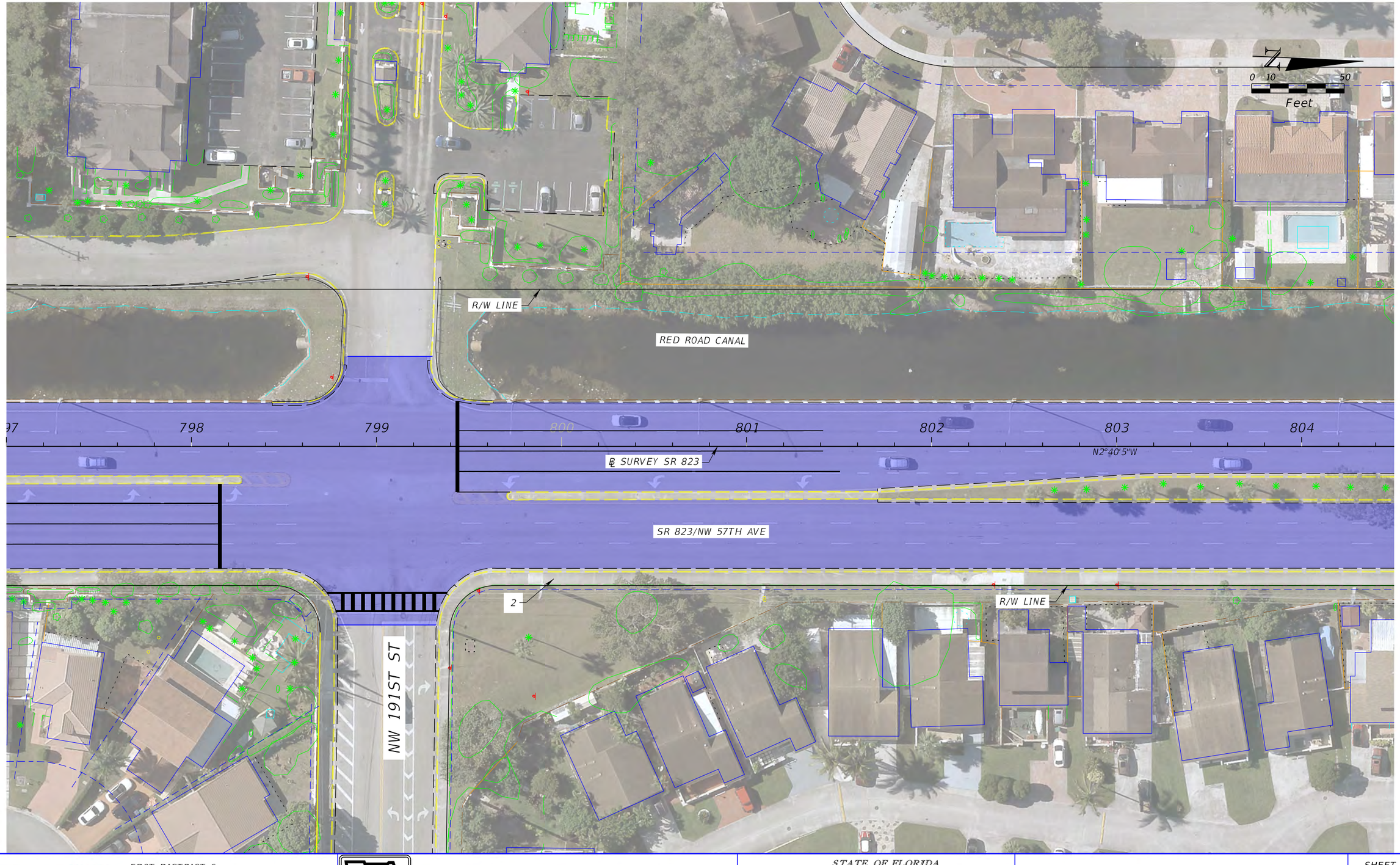

FDOT DISTRICT 6
PLANNING AND ENVIRONMENTAL
MANAGEMENT OFFICE
1000 NW 111TH AVENUE
MIAMI, FLORIDA 33172

823

SCOPING REPORT
SR 823/ NW 57TH AVE/ RED RD
FROM S OF NW 186TH ST TO S OF HEFT
(ROADWAY ID 87002000, MP 7.752 TO MP 9.399)

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	452567-1-32-01

EXHIBIT 1 DEFICIENCES AND RECOMMENDATIONS

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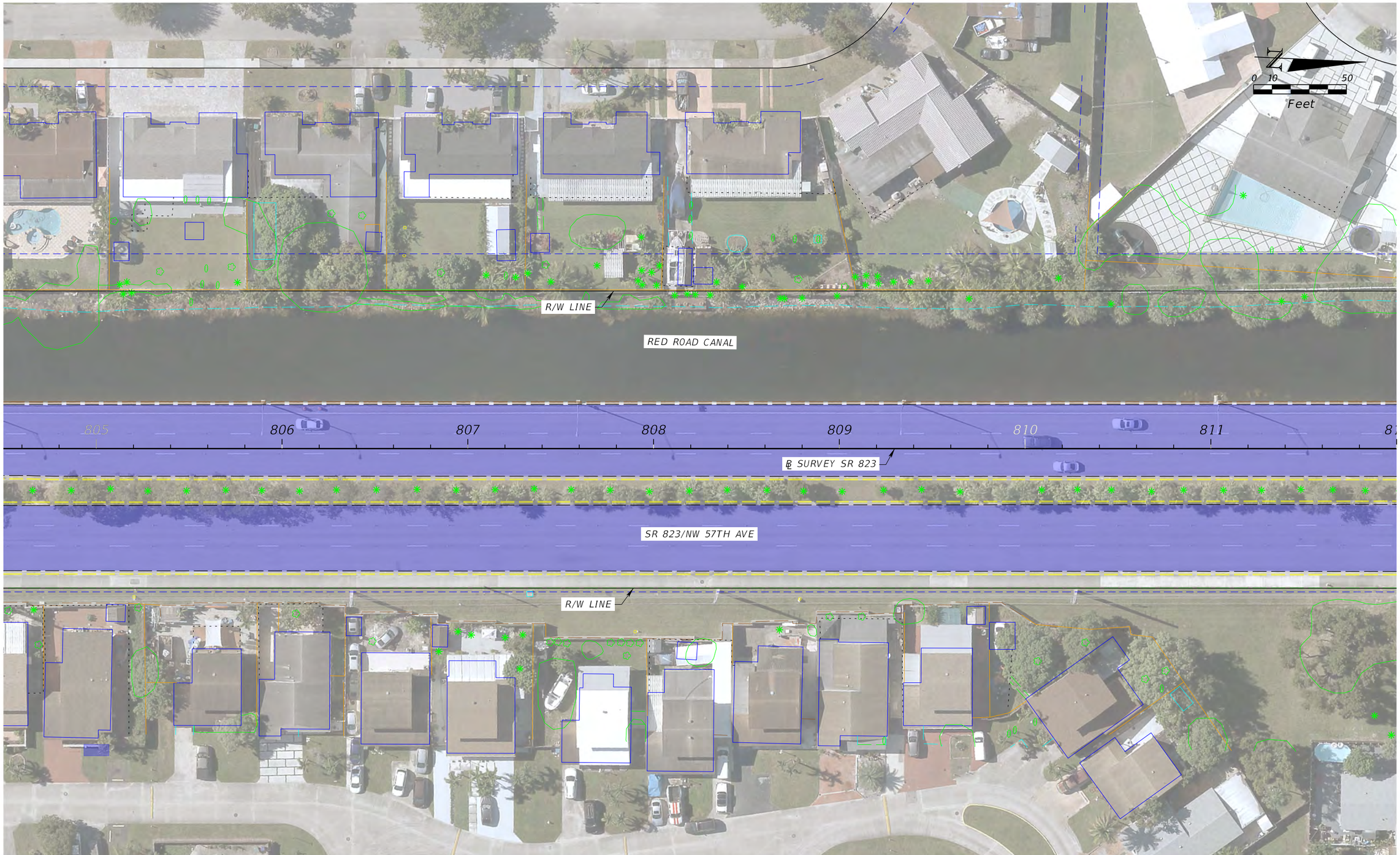

FDOT DISTRICT 6
PLANNING AND ENVIRONMENTAL
MANAGEMENT OFFICE
1000 NW 111TH AVENUE
MIAMI, FLORIDA 33172

823

SCOPING REPORT
SR 823/ NW 57TH AVE/ RED RD
FROM S OF NW 186TH ST TO S OF HEFT
(ROADWAY ID 87002000, MP 7.752 TO MP 9.399)

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	452567-1-32-01

EXHIBIT 1 DEFICIENCES AND RECOMMENDATIONS

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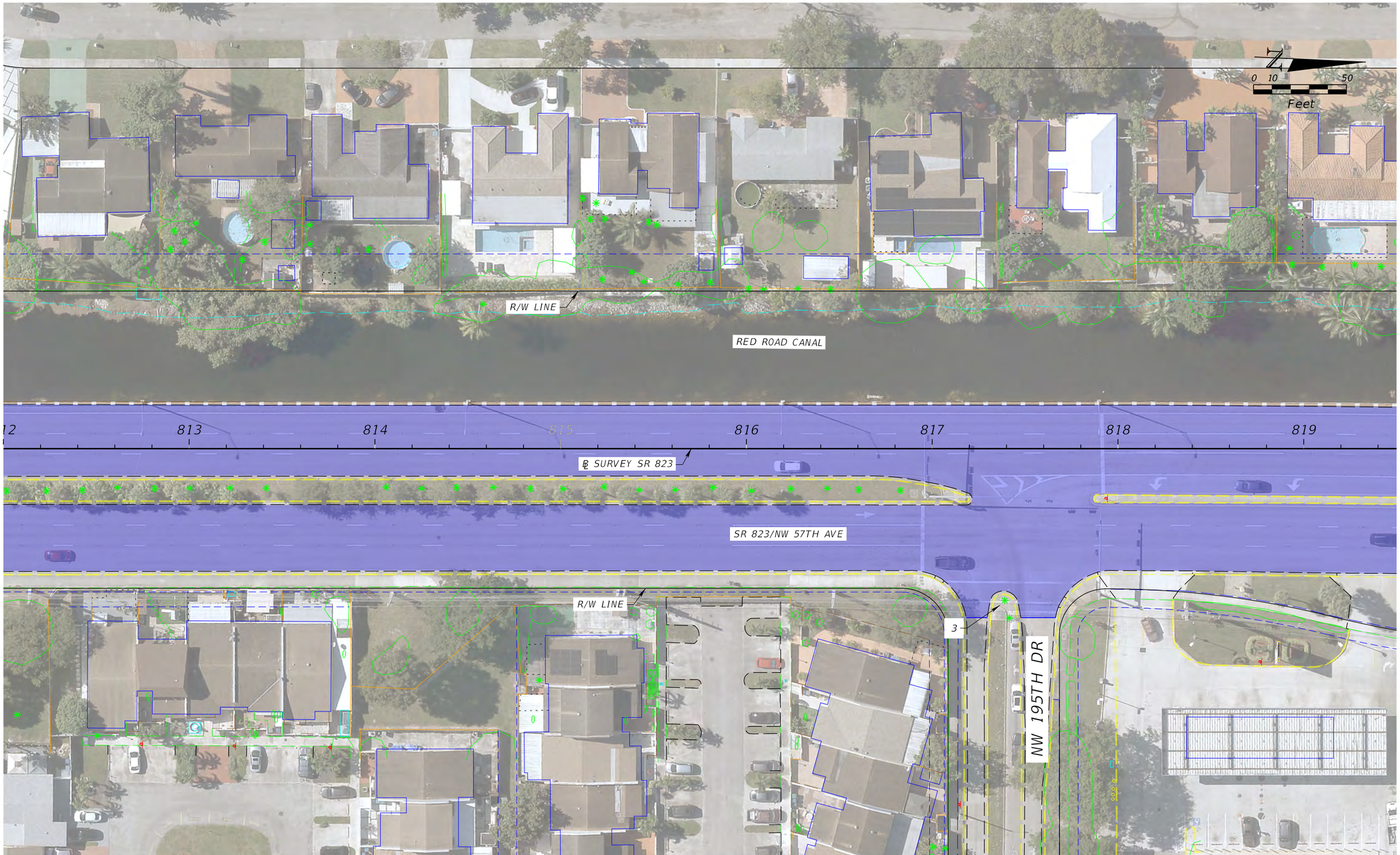

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FDOT DISTRICT 6
PLANNING AND ENVIRONMENTAL
MANAGEMENT OFFICE
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MIAMI, FLORIDA 33172

823

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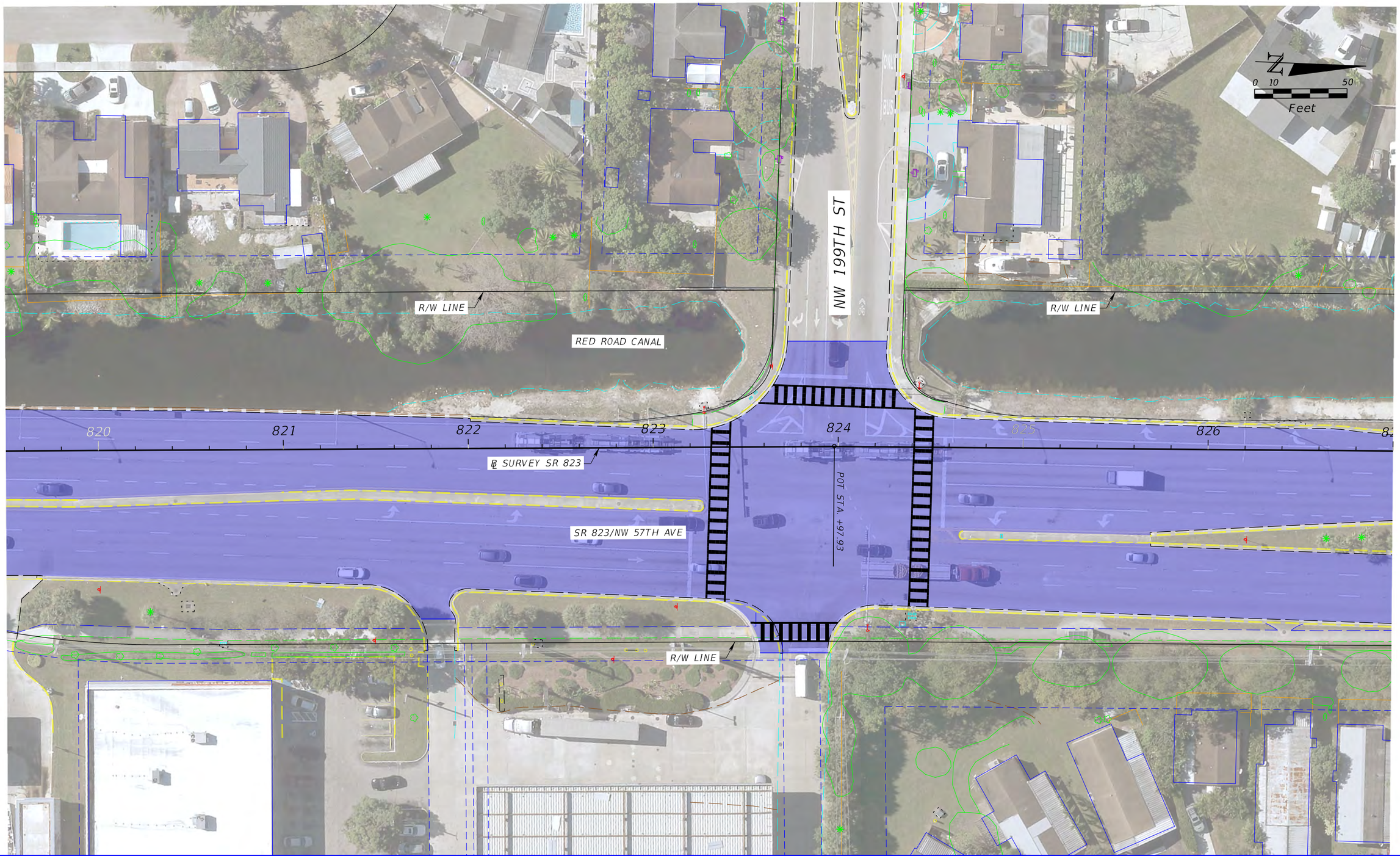
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	452567-1-32-01

EXHIBIT 1 DEFICIENCES AND RECOMMENDATIONS

SHEET NO. 5



FDOT DISTRICT 6
PLANNING AND ENVIRONMENTAL
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MIAMI, FLORIDA 33172

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SCOPING REPORT
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	452567-1-32-01

EXHIBIT 1 DEFICIENCES AND RECOMMENDATIONS

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FDOT DISTRICT 6
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1000 NW 111TH AVENUE
MIAMI, FLORIDA 33172

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FROM S OF NW 186TH ST TO S OF HEFT
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	452567-1-32-01

EXHIBIT 1 DEFICIENCES AND RECOMMENDATIONS

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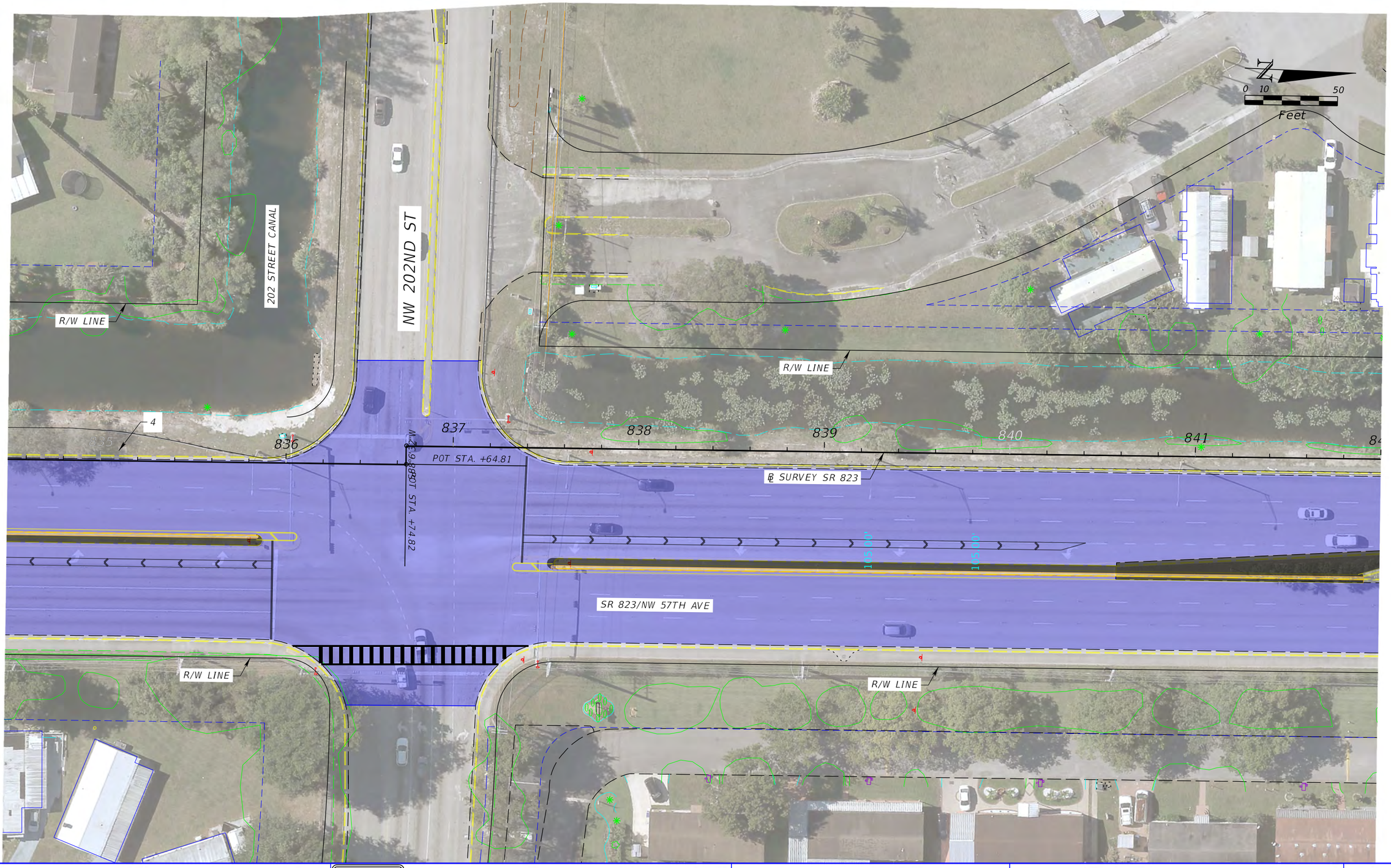

FDOT DISTRICT 6
PLANNING AND ENVIRONMENTAL
MANAGEMENT OFFICE
1000 NW 111TH AVENUE
MIAMI, FLORIDA 33172

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	452567-1-32-01

EXHIBIT 1 DEFICIENCES AND RECOMMENDATIONS

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FDOT DISTRICT 6
PLANNING AND ENVIRONMENTAL
MANAGEMENT OFFICE
1000 NW 111TH AVENUE
MIAMI, FLORIDA 33172

823

SCOPING REPORT
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	452567-1-32-01

EXHIBIT 1 DEFICIENCES AND RECOMMENDATIONS

SHEET NO. 9

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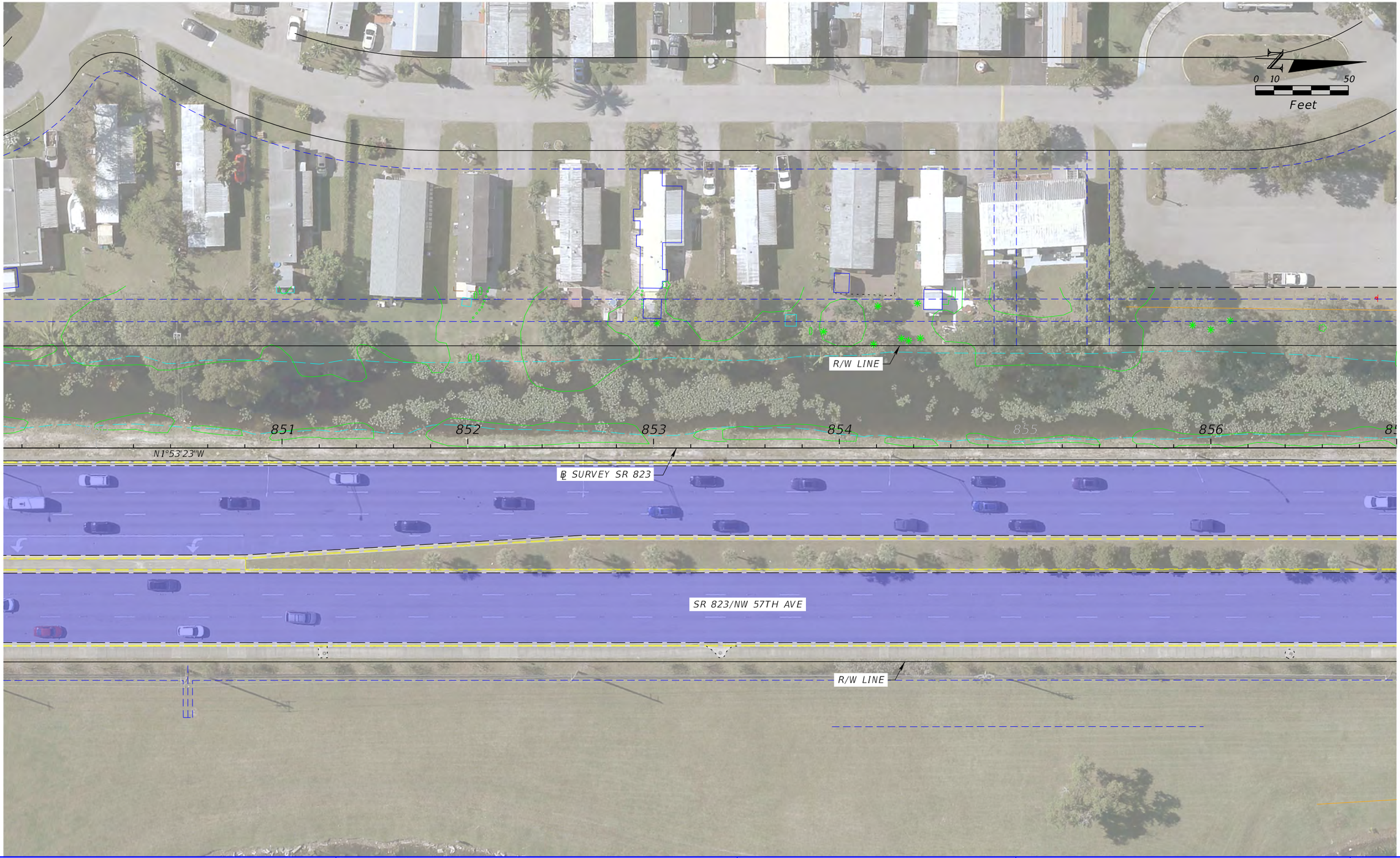

FDOT DISTRICT 6
PLANNING AND ENVIRONMENTAL
MANAGEMENT OFFICE
1000 NW 111TH AVENUE
MIAMI, FLORIDA 33172

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FROM S OF NW 186TH ST TO S OF HEFT
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	452567-1-32-01

EXHIBIT 1 DEFICIENCES AND RECOMMENDATIONS

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FDOT DISTRICT 6
PLANNING AND ENVIRONMENTAL
MANAGEMENT OFFICE
1000 NW 111TH AVENUE
MIAMI, FLORIDA 33172

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	452567-1-32-01

EXHIBIT 1 DEFICIENCES AND RECOMMENDATIONS

SHEET NO. 11

FDOT DISTRICT 6
PLANNING AND ENVIRONMENTAL
MANAGEMENT OFFICE
1000 NW 111TH AVENUE
MIAMI, FLORIDA 33172

SCOPING REPORT
SR 823/ NW 57TH AVE/ RED RD
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	452567-1-32-01

EXHIBIT 1 DEFICIENCES AND RECOMMENDATIONS

SHEET NO. 12

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APPENDIX F

Plans from Previous and Programmed Projects

APPENDIX F-1

Plans from Previous

FPID 414617-1-52-01

(FY 2005, Completed 2006)

COMPONENTS OF CONTRACT PLANS SET

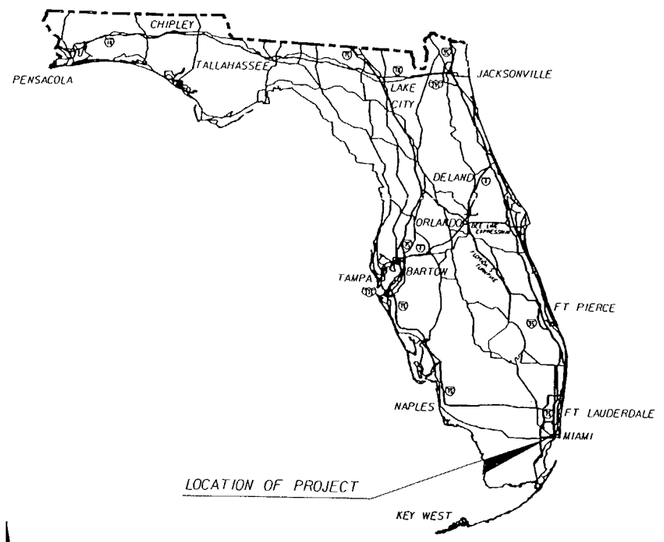
ROADWAY PLANS

Prime Contractor: Weekley Asphalt Paving, Inc.
District Secretary: John Martinez, P.E.
District Construction Engineer: Mark Croft, P.E.
Resident Engineer: Ivan Hay, P.E.
FDOT Project Manager: Adriana Manzaneres, P.E.
CEI Consultant: Carnahan-Proctor-Cross Inc.
CEI Resident Engineer: John Hart, P.E.
Project Engineer: Osvaldo Larrazabal, P.E.
Date Construction Began: February 27, 2006
Date Construction Completed/Project Accepted: June 23, 2006

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

FINAL AS-BUILT PLANS

FINANCIAL PROJECT ID 414617-1-52-01
MIAMI-DADE COUNTY
STATE ROAD NO. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE



INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2,2A,2B	SUMMARY OF PAY ITEMS
3	TYPICAL SECTION
4	SUMMARY OF QUANTITIES
5	GENERAL NOTES
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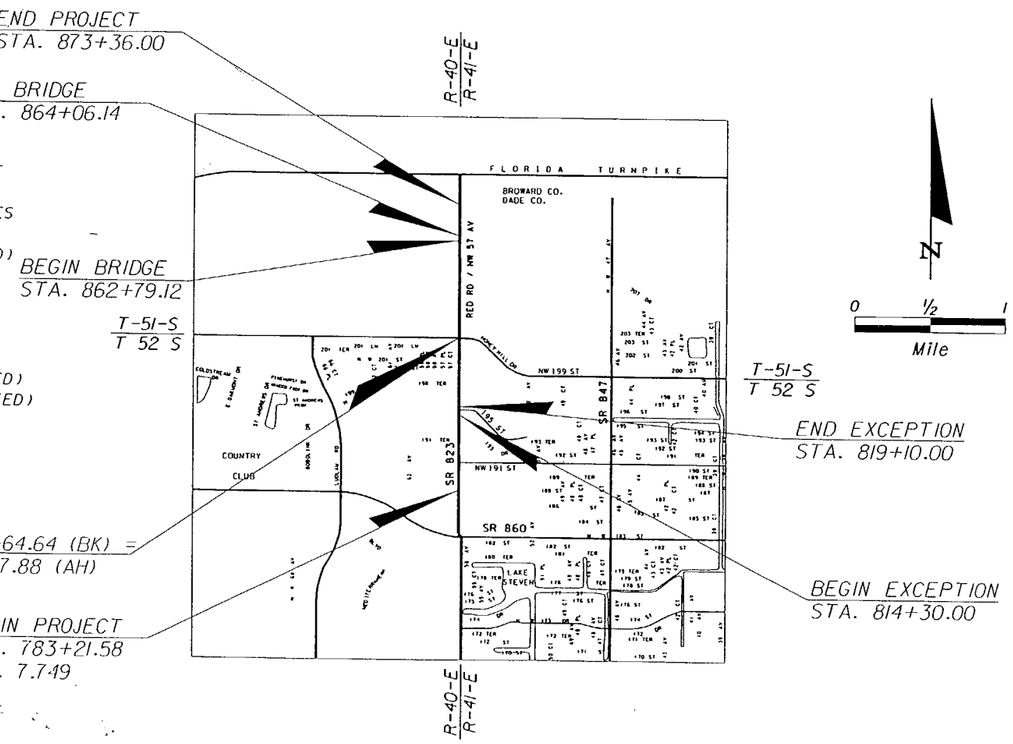
23-24	ROADWAY PLANS (DELETED)
25	TRAFFIC CONTROL PLANS GENERAL NOTES
25A	TRAFFIC CONTROL PLANS GUIDE SIGN WORK SHEET
26	SIGNING AND MARKING GENERAL NOTES
27-29	SIGNING AND MARKING TABULATION OF QUANTITIES
30-46	SIGNING AND PAVEMENT MARKING PLANS
47-48	SIGNING AND PAVEMENT MARKING PLANS (DELETED)
49	SIGNING AND MARKING GUIDE SIGN WORK SHEET
50	SIGNALIZATION NOTES
51	SIGNALIZATION TABULATION OF QUANTITIES
52-54	SIGNALIZATION PLANS
55	SIGNALIZATION PLAN (DELETED)
56	SIGNALIZATION GUIDE SIGN WORK SHEET (DELETED)
57	MAST ARM ASSEMBLIES INDEX NO. S-1700 (DELETED)
58	MAST ARM TABULATION (DELETED)
59	REPORT OF CORE BORINGS (DELETED)
60-61	PROJECT NETWORK CONTROL SHEETS



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

VICTOR LEE, P.E.
David Plummer & Associates, Inc.
1750 PONCE DE LEON BOULEVARD
Coral Gables, Florida 33134

PLANS PREPARED BY:

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FL 33134
EB 2690
VENDOR NO. F591810619001
CONTRACT NO. C-7975
CERTIFICATE OF AUTHORIZATION NO. 00002690

NOTE: THIS PROJECT TO BE LET TO CONTRACT WITH FINANCIAL PROJECT ID 414617-2-52-01

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

SUMMARY OF FIELD BOOKS
FB#414-A Final Measurements

SUMMARY OF COMPUTATION BOOKS
CB #01- Computation Book 1 of 2

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED JANUARY 2004,
AND STANDARD SPECIFICATIONS FOR ROAD
AND BRIDGE CONSTRUCTION DATED 2004,
AS AMENDED BY CONTRACT DOCUMENTS.

REVISIONS:

FINANCIAL PROJECT ID 414617-1-52-01
Roadway Sheets 1, 2, 2A, 2B, 3, 4, 5, 22, 25, 29, 46, 49 & 51 (Revised 02-24-05)

This project was constructed in substantial compliance with these plans, as provided by the Engineer of Record. If changes were made, those changes are indicated by black ink revision and bear the seal and signature of the Responsible Engineer.

7/20/06

PROJECT LENGTH IS BASED ON ℄ CONSTRUCTION

LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	8,394.16	1.590
BRIDGES	127.02	0.024
NET LENGTH OF PROJECT	8,521.18	1.614
EXCEPTIONS	480.00	0.091
GROSS LENGTH OF PROJECT	9,001.18	1.705

FDOT PROJECT MANAGER: ADRIANA MANZANARES

REVISIONS:

KEY SHEET REVISIONS

DATE	BY	DESCRIPTION
02-24-05	VL	REVISED END PROJECT STATION AND LENGTH OF PROJECT BOX AND DELETED SHEET NOS. 23, 24, 47, 48, 55, 56, 57, 58 & 59 AND REVISED INDEX OF ROADWAY PLANS

Victor Lee 06/19/06

ROADWAY PLANS
ENGINEER OF RECORD: VICTOR LEE, P.E.

P.E. NO.: 35233

FISCAL YEAR	SHEET NO.
05	1

USER: Armondol 02/28/2005 04:27:53 PM u:\proj\03\0314\414617\Roadway\keysr01.dgn

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS

Prime Contractor: Weekley Asphalt Paving, Inc.
District Secretary: John Martinez, P.E.
District Construction Engineer: Mark Croft, P.E.
Resident Engineer: Ivan Hay, P.E.
FDOT Project Manager: Adriana Manzaneres, P.E.
CEI Consultant: Carnahan-Proctor-Cross Inc.
CEI Resident Engineer: John Hart, P.E.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

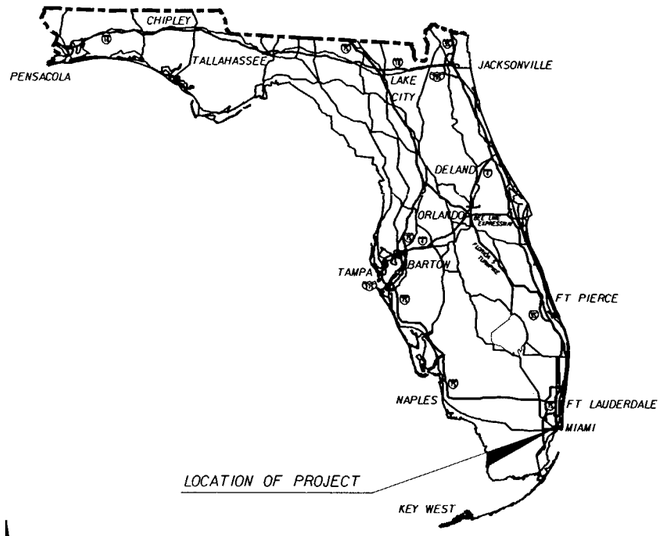
FINAL AS-BUILT PLANS

FINANCIAL PROJECT ID 414617-1-52-01

MIAMI-DADE COUNTY

STATE ROAD NO. 823 (RED ROAD/N.W. 57th AV.)

FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE



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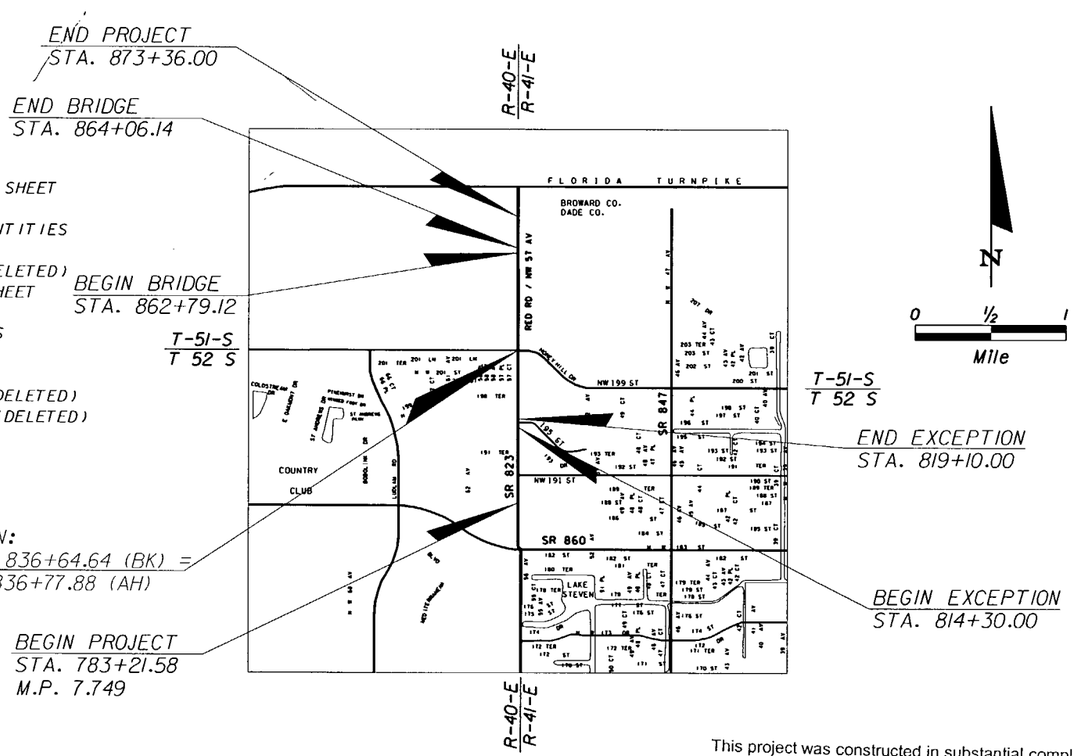

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

VICTOR LEE, P.E.
David Plummer & Associates, Inc.
1750 PONCE DE LEON BOULEVARD
Coral Gables, Florida 33134

PLANS PREPARED BY:

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FL 33134
EB 2690
VENDOR NO. F591810619001
CONTRACT NO. C-7975
CERTIFICATE OF AUTHORIZATION NO. 00002690

NOTE: THIS PROJECT TO BE LET TO CONTRACT WITH FINANCIAL PROJECT ID 414617-2-52-01

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

SUMMARY OF FIELD BOOKS

FB#414-A Final Measurements

SUMMARY OF COMPUTATION BOOKS

CB #01- Computation Book 1 of 2

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED JANUARY 2004,
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AS AMENDED BY CONTRACT DOCUMENTS.

REVISIONS:

FINANCIAL PROJECT ID 414617-1-52-01
Roadway Sheets 1, 2, 2A, 2B, 3, 4, 5, 22, 25, 29, 46, 49 & 51 (Revised 02-24-05)

This project was constructed in substantial compliance with these plans, as provided by the Engineer of Record. If changes were made, those changes are indicated by black ink revision and bear the seal and signature of the Responsible Engineer.

Victor Lee 06/19/06

PROJECT LENGTH IS BASED ON ℄ CONSTRUCTION

LENGTH OF PROJECT	LINEAR FEET	MILES
ROADWAY	8,394.16	1.590
BRIDGES	127.02	0.024
NET LENGTH OF PROJECT	8,521.18	1.614
EXCEPTIONS	480.00	0.091
GROSS LENGTH OF PROJECT	9,001.18	1.705

FDOT PROJECT MANAGER: ADRIANA MANZANARES

REVISIONS:

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION
02-24-05	VL	REVISED END PROJECT STATION AND LENGTH OF PROJECT BOX AND DELETED SHEET NOS. 23, 24, 47, 48, 55, 56, 57, 58 & 59 AND REVISED INDEX OF ROADWAY PLANS

ROADWAY PLANS
ENGINEER OF RECORD: VICTOR LEE, P.E.

P.E. NO.: 35233

FISCAL YEAR	SHEET NO.
05	1

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 414617-1-52-01

MIAMI-DADE COUNTY

STATE ROAD NO. 823 (RED ROAD/N.W. 57th AV.)

FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

INDEX OF ROADWAY PLANS

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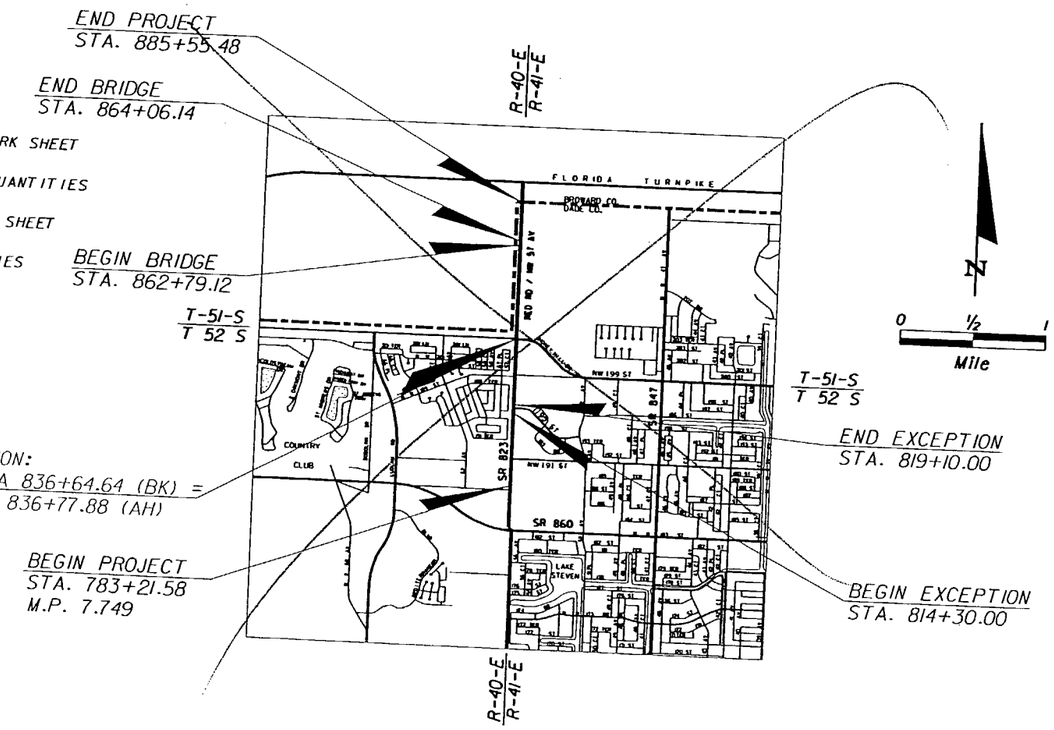

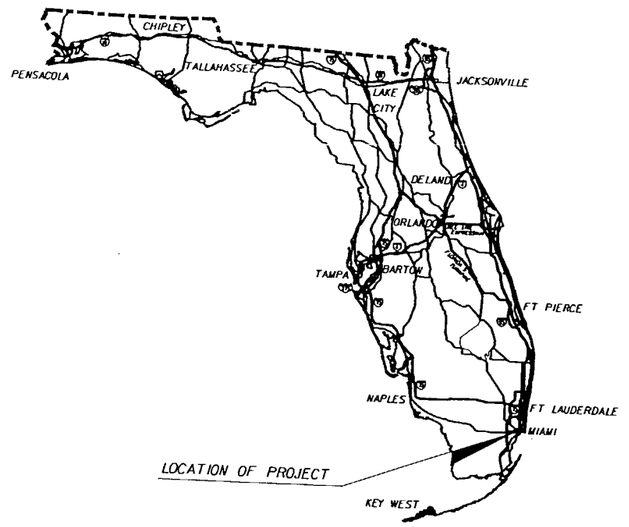

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

VICTOR LEE, P.E.
David Plummer & Associates, Inc.
1750 PONCE DE LEON BOULEVARD
Coral Gables, Florida 33134

PLANS PREPARED BY:

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FL 33134
EB 2690
VENDOR NO. F591810619001
CONTRACT NO. C-7975
CERTIFICATE OF AUTHORIZATION NO. 00002690

NOTE: THIS PROJECT TO BE LET TO CONTRACT WITH FINANCIAL PROJECT ID 414617-2-52-01

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED JANUARY 2004, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2004, AS AMENDED BY CONTRACT DOCUMENTS.

PROJECT LENGTH IS BASED ON ℄ CONSTRUCTION

LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	9,626.88	1.823
BRIDGES	127.02	0.024
NET LENGTH OF PROJECT	9,753.90	1.847
EXCEPTIONS	480.00	0.091
GROSS LENGTH OF PROJECT	10,233.90	1.938

FDOT PROJECT MANAGER: ADRIANA MANZANARES

KEY SHEET REVISIONS

DATE	BY	DESCRIPTION

VOID

ROADWAY PLANS
ENGINEER OF RECORD: VICTOR LEE, P.E.

P.E. NO.: 35233

FISCAL YEAR	SHEET NO.
05	1

USER: Armandol 12/08/2004

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FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
PPROPQTY 02/24/05

PROPOSAL : T6050 LEAD FINPROJ : 41461715201 COUNTY : MIAMI-DADE MANDIST: 06
FINPROJ(S): 41461715201 COUNTY/SECTION: 87002000
41461725201 87002000

0001 SUMMARY OF ROADWAY — PAY ITEMS

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	IUN IIT	41461715201	41461725201	QUANTITY TOTAL
		10101- 1-	MOBILIZATION	ILS	1.000 N	0.000	1.000
		10101- 1-	MOBILIZATION	ILS	0.000	1.000 N	1.000
		10102- 1-	MAINTENANCE OF TRAFFIC	ILS	1.000 N	0.000	1.000
		10102- 1-	MAINTENANCE OF TRAFFIC	ILS	0.000	1.000 N	1.000
		10102- 14-	TRAFFIC CONTROL OFFICER	IMH	32.000 N	32.000 N	64.000
		10102- 60-	WORK ZONE SIGNS	IED	5160.000 N	1920.000 N	7080.000
		10102- 74- 1	BARRICADE (TEMPORARY)(TYPES I,II,VP & DRUM)	IED	52080.000 N	6720.000 N	58800.000
		10102- 76-	PANELS ARROW ADVANCE WARNING	IED	360.000 N	0.000	360.000
		10102- 77-	HIGH INTENSITY FLASHING LIGHTS (TEMP - TYPE B)	IED	20880.000 N	1200.000 N	22080.000
		10102- 78-	MARKER PAVT REFLECTIVE (TEMPORARY)	IEA	⚠ 1418.000 N	141.000 N	1559.000
		10102- 99-	CHANGEABLE-VARIABLE MESSAGE SIGN (TEMPORARY)	IED	240.000 N	0.000	240.000
		10109- 71- 3	FIELD OFFICE (900 SQ FT)	IDA	150.000 N	0.000	150.000
		10110- 1- 1	CLEARING & GRUBBING	ILS	1.000 N	0.000	1.000
		10110- 1- 1	CLEARING & GRUBBING	ILS	0.000	1.000 N	1.000
		10160- 4-	STABILIZATION TYPE B	ISY	0.000	42.000 N	42.000
		10285-715-	BASE OPTIONAL (BASE GROUP 15)	ISY	5.000 N	61.000 N	66.000
		10327- 70- 5	MILLING EXIST ASPH PAVT (2" AVG DEPTH)	ISY	0.000	159.000 N	159.000
		10327- 70- 11	MILLING EXIST ASPH PAVT (2 1/4" AVG DEPTH)	ISY	⚠ 79039.000 N	4292.000 N	83331.000
		10334- 1- 13	SUPERPAVE ASPHALTIC CONC (TRAFFIC C)	ITN	⚠ 7173.700 N	407.000 N	7580.700
		10337- 7- 5	ASPH CONC FRICTION COURSE(INC BIT/RUBBER) (FC-5)	ITN	⚠ 3319.800 N	182.000 N	3501.800
		10337- 7- 7	ASPH CONC FRICTION COURSE(INC BIT / RUBBER) (FC-9	ITN	0.000	9.200 N	9.200
		10339- 1-	ASPHALT PAVEMENT MISCELLANEOUS	ITN	7.100 N	0.000	7.100
		10425- 5-	MANHOLE (ADJUST)	IEA	7.000 N	1.000 N	8.000
		10520- 1- 10	CURB & GUTTER CONC (TYPE F)	ILF	194.000 N	121.000 N	315.000
		10520- 2- 4	CURB CONC (TYPE D)	ILF	17.000 N	22.000 N	39.000
		10522- 1-	SIDEWALK CONC (4" THICK)	ISY	123.000 N	66.000 N	189.000
		10536- 1- 1	GUARDRAIL (ROADWAY)	ILF	125.000 N	0.000	125.000
		10536- 2-	GUARDRAIL (SHOP-BENT PANELS)	ILF	88.000 N	0.000	88.000
		10536- 73-	GUARDRAIL REMOVAL	ILF	192.000 N	0.000	192.000
		10536- 83- 1	GUARDRAIL POST REPLACEMENT (REGULAR)	IEA	22.000 N	0.000	22.000
		10536- 85- 24	GUARDRAIL END ANCHORAGE ASSEMBLY PARALLEL	IEA	2.000 N	0.000	2.000
		10575- 1-	SODDING	ISY	0.000	319.000 N	319.000
		10580- 1- 2	LANDSCAPE COMPLETE (LARGE PLANTS)	ILS	⚠ 0.000	1.000 N	1.000
		10710- 5- 1	GUIDE LINES (PAINT) (WHITE)	ILF	⚠ 85.000 N	0.000	85.000
		10710- 5- 2	GUIDE LINES (PAINT) (YELLOW)	ILF	37.000 N	57.000 N	94.000
		10710- 6-	DIRECTIONAL ARROWS, PAINTED	IEA	⚠ 32.000 N	3.000 N	35.000
		10710- 7-	PAVT MESSAGE, PAINTED	IEA	⚠ 1.000 N	0.000	1.000
		10710- 21-	TRAFFIC STRIPE SKIP (WHITE/BLACK)	IGM	⚠ 6.127 N	0.242 N	6.369
		10710- 23- 61	TRAFFIC STRIPE SOLID (WHITE/BLACK/BLUE)(6")	INM	⚠ 3.941 N	0.284 N	4.225
		10710- 24- 61	TRAFFIC STRIPE SOLID (YELLOW) (6")	INM	⚠ 3.107 N	0.112 N	3.219
		10710- 25- 81	TRAFFIC STRIPE SOLID (WHITE/BLACK) (8")	ILF	⚠ 926.000 N	55.000 N	981.000

*

Victor Lee
06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-24-05	VL	⚠ REVISE QUANTITIES AND DELETE PAY ITEM NO.			

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 2

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
PPROPOTY 12/08/04

PROPOSAL : T6050 LEAD FINPROJ : 41461715201 COUNTY : MIAMI-DADE MANDIST: 06
FINPROJ(S): 41461715201 COUNTY/SECTION: 87002000
41461725201 87002000

0001 SUMMARY OF ROADWAY

PAY ITEMS

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	IUN IIT	41461715201	41461725201	QUANTITY TOTAL
		10101- 1-	MOBILIZATION	ILS	0.000	1.000 N	1.000
		10101- 1-	MOBILIZATION	ILS	1.000 N	0.000	1.000
		10102- 1-	MAINTENANCE OF TRAFFIC	ILS	1.000 N	0.000	1.000
		10102- 1-	MAINTENANCE OF TRAFFIC	ILS	0.000	1.000 N	1.000
		10102- 14-	TRAFFIC CONTROL OFFICER	IMH	32.000 N	32.000 N	64.000
		10102- 60-	WORK ZONE SIGNS	IED	5160.000 N	1920.000 N	7080.000
		10102- 74- 1	BARRICADE (TEMPORARY)(TYPES I,II,VP & DRUM)	IED	52080.000 N	6720.000 N	58800.000
		10102- 76-	PANELS ARROW ADVANCE WARNING	IED	360.000 N	0.000	360.000
		10102- 77-	HIGH INTENSITY FLASHING LIGHTS (TEMP - TYPE B)	IED	20880.000 N	1200.000 N	22080.000
		10102- 78-	MARKER PAVT REFLECTIVE (TEMPORARY)	IEA	1757.000 N	141.000 N	1898.000
		10102- 99-	CHANGEABLE-VARIABLE MESSAGE SIGN (TEMPORARY)	IED	240.000 N	0.000	240.000
		10109- 71- 3	FIELD OFFICE (900 SQ FT)	IDA	150.000 N	0.000	150.000
		10110- 1- 1	CLEARING & GRUBBING	ILS	1.000 N	0.000	1.000
		10110- 1- 1	CLEARING & GRUBBING	ILS	0.000	1.000 N	1.000
		10160- 4-	STABILIZATION TYPE B	ISY	0.000	42.000 N	42.000
		10285-715-	BASE OPTIONAL (BASE GROUP 15)	ISY	5.000 N	61.000 N	66.000
		10327- 70- 5	MILLING EXIST ASPH PAVT (2" AVG DEPTH)	ISY	0.000	159.000 N	159.000
		10327- 70- 11	MILLING EXIST ASPH PAVT (2 1/4" AVG DEPTH)	ISY	93976.000 N	4292.000 N	98268.000
		10334- 1- 13	SUPERPAVE ASPHALTIC CONC (TRAFFIC C)	ITN	8529.200 N	407.000 N	8936.200
		10337- 7- 5	ASPH CONC FRICTION COURSE(INC BIT/RUBBER) (FC-5)	ITN	3947.200 N	182.000 N	4129.200
		10337- 7- 7	ASPH CONC FRICTION COURSE(INC BIT / RUBBER) (FC-9	ITN	0.000	9.200 N	9.200
		10339- 1-	ASPHALT PAVEMENT MISCELLANEOUS	ITN	7.100 N	0.000	7.100
		10425- 5-	MANHOLE (ADJUST)	IEA	7.000 N	1.000 N	8.000
		10520- 1- 10	CURB & GUTTER CONC (TYPE F)	ILF	194.000 N	121.000 N	315.000
		10520- 2- 4	CURB CONC (TYPE D)	ILF	17.000 N	22.000 N	39.000
		10522- 1-	SIDEWALK CONC (4" THICK)	ISY	123.000 N	66.000 N	189.000
		10536- 1- 1	GUARDRAIL (ROADWAY)	ILF	125.000 N	0.000	125.000
		10536- 2-	GUARDRAIL (SHOP-BENT PANELS)	ILF	88.000 N	0.000	88.000
		10536- 73-	GUARDRAIL REMOVAL	ILF	192.000 N	0.000	192.000
		10536- 83- 1	GUARDRAIL POST REPLACEMENT (REGULAR)	IEA	22.000 N	0.000	22.000
		10536- 85- 24	GUARDRAIL END ANCHORAGE ASSEMBLY PARALLEL	IEA	2.000 N	0.000	2.000
		10575- 1-	SODDING	ISY	0.000	319.000 N	319.000
		10580- 1- 2	LANDSCAPE COMPLETE (LARGE PLANTS)	ILS	0.000	1.000 N	1.000
		10580- 1- 2	LANDSCAPE COMPLETE (LARGE PLANTS)	ILS	1.000	0.000	1.000
		10710- 5- 1	GUIDE LINES (PAINT) (WHITE)	ILF	189.000 N	0.000	189.000
		10710- 5- 2	GUIDE LINES (PAINT) (YELLOW)	ILF	37.000 N	57.000 N	94.000
		10710- 6-	DIRECTIONAL ARROWS, PAINTED	IEA	47.000 N	3.000 N	50.000
		10710- 7-	PAVT MESSAGE, PAINTED	IEA	5.000 N	0.000	5.000
		10710- 21-	TRAFFIC STRIPE SKIP (WHITE/BLACK)	IGM	7.032 N	0.242 N	7.274
		10710- 23- 61	TRAFFIC STRIPE SOLID (WHITE/BLACK/BLUE)(6")	INM	4.562 N	0.284 N	4.846
		10710- 24- 61	TRAFFIC STRIPE SOLID (YELLOW) (6")	INM	3.584 N	0.112 N	3.696

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VOID

VOID

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
dpa
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	41461?-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 2

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FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
PPROPOTY 02/24/05

PROPOSAL : T6050 LEAD FINPROJ : 41461715201 COUNTY : MIAMI-DADE MANDIST: 06
FINPROJ(S): 41461715201 COUNTY/SECTION: 87002000
41461725201 87002000

0001 SUMMARY OF ROADWAY PAY ITEMS CONTINUED

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION		UNIT	41461715201	41461725201	QUANTITY TOTAL
		10710- 25-121	TRAFFIC STRIPE SOLID (WHITE/BLACK)	(12")	ILF	330.000 N	115.000 N	445.000
		10710- 25-181	TRAFFIC STRIPE SOLID (WHITE/BLACK)	(18")	ILF	⚠ 272.000 N	33.000 N	305.000
		10710- 25-241	TRAFFIC STRIPE SOLID (WHITE/BLACK)	(24")	ILF	⚠ 555.000 N	65.000 N	620.000
		10710- 26- 81	TRAFFIC STRIPE SOLID (YELLOW)	(8")	ILF	0.000	86.000 N	86.000
		10710- 26-181	TRAFFIC STRIPE SOLID (YELLOW)	(18")	ILF	101.000 N	13.000 N	114.000
		10710- 30-	REFLECTIVE PAINT (ISLAND NOSE)	(YELLOW)	ISY	⚠ 19.000 N	4.000 N	23.000
		10999- 25-	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		ILS	1.000 N	0.000	1.000
		10999- 25-	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		ILS	0.000	1.000 N	1.000

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FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
PPROPOTY 02/24/05

PROPOSAL : T6050 LEAD FINPROJ : 41461715201 COUNTY : MIAMI-DADE MANDIST: 06
FINPROJ(S): 41461715201 COUNTY/SECTION: 87002000
41461725201 87002000

0002 SUMMARY OF SIGNING PAY ITEMS

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION		UNIT	41461715201	41461725201	QUANTITY TOTAL
		10700- 40- 1	SIGN SINGLE POST	(LESS THAN 12)	IAS	⚠ 18.000 N	1.000 N	19.000
		10700- 40- 2	SIGN SINGLE POST	(12 - 25)	IAS	⚠ 1.000 N	0.000	1.000
		10700- 41- 10	SIGN MULTI POST	(50 OR LESS)	IAS	⚠ 6.000 N	0.000	6.000
		10700- 46- 11	SIGN EXISTING (REMOVAL)	(SINGLE POST)	IAS	0.000	2.000 N	2.000
		10700- 46- 21	SIGN EXISTING (RELOCATE)	(SINGLE POST)	IAS	⚠ 2.000 N	1.000 N	3.000
		10700- 48- 18	SIGN PANELS (F & I)	(15 OR <)	IEA	5.000 N	1.000 N	6.000
		10705- 10- 11	MARKER OBJECT (POST MOUNT)	(TYPE 1)	IEA	⚠ 3.000 N	0.000	3.000
		10710- 90-	PAINTED PAVEMENT MARKINGS(FINAL SURFACE)		ILS	1.000 N	0.000	1.000
		10710- 90-	PAINTED PAVEMENT MARKINGS(FINAL SURFACE)		ILS	0.000	1.000 N	1.000

*

Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-24-05	VL	⚠ REVISE QUANTITIES			

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	41461?-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 2A

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FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
PPROPOTY 12/08/04

PAGE: 2 A0001

PROPOSAL : T6050 LEAD FINPROJ : 41461715201 COUNTY : MIAMI-DADE
FINPROJ(S): 41461715201 COUNTY/SECTION: 87002000
41461725201

MANDIST: 06

87002000

0001 SUMMARY OF ROADWAY

PAY ITEMS CONTINUED

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION		UNIT	41461715201	41461725201	QUANTITY TOTAL
		10710- 25- 81	TRAFFIC STRIPE SOLID (WHITE/BLACK)	(8")	ILF	1860.000 N	55.000 N	1915.000
		10710- 25-121	TRAFFIC STRIPE SOLID (WHITE/BLACK)	(12")	ILF	330.000 N	115.000 N	445.000
		10710- 25-181	TRAFFIC STRIPE SOLID (WHITE/BLACK)	(18")	ILF	441.000 N	33.000 N	474.000
		10710- 25-241	TRAFFIC STRIPE SOLID (WHITE/BLACK)	(24")	ILF	685.000 N	65.000 N	750.000
		10710- 26- 81	TRAFFIC STRIPE SOLID (YELLOW)	(8")	ILF	0.000	86.000 N	86.000
		10710- 26-181	TRAFFIC STRIPE SOLID (YELLOW)	(18")	ILF	101.000 N	13.000 N	114.000
		10710- 30-	REFLECTIVE PAINT (ISLAND NOSE)	(YELLOW)	ISY	30.000 N	4.000 N	34.000
		10999- 25-	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		ILS	1.000 N	0.000	1.000
		10999- 25-	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		ILS	0.000	1.000 N	1.000

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FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
PPROPOTY 12/08/04

PAGE: 3 A0002

PROPOSAL : T6050 LEAD FINPROJ : 41461715201 COUNTY : MIAMI-DADE
FINPROJ(S): 41461715201 COUNTY/SECTION: 87002000
41461725201

MANDIST: 06

87002000

0002 SUMMARY OF SIGNING

PAY ITEMS

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION		UNIT	41461715201	41461725201	QUANTITY TOTAL
		10700- 40- 1	SIGN SINGLE POST	(LESS THAN 12)	IAS	20.000 N	1.000 N	21.000
		10700- 40- 2	SIGN SINGLE POST	(12 - 25)	IAS	3.000 N	0.000	3.000
		10700- 41- 10	SIGN MULTI POST	(50 OR LESS)	IAS	8.000 N	0.000	8.000
		10700- 46- 11	SIGN EXISTING (REMOVAL)	(SINGLE POST)	IAS	0.000	2.000 N	2.000
		10700- 46- 21	SIGN EXISTING (RELOCATE)	(SINGLE POST)	IAS	3.000 N	1.000 N	4.000
		10700- 48- 18	SIGN PANELS (F & I)	(15 OR <)	IEA	5.000 N	1.000 N	6.000
		10705- 10- 11	MARKER OBJECT (POST MOUNT)	(TYPE I)	IEA	6.000 N	0.000	6.000
		10710- 90-	PAINTED PAVEMENT MARKINGS(FINAL SURFACE)		ILS	1.000 N	0.000	1.000
		10710- 90-	PAINTED PAVEMENT MARKINGS(FINAL SURFACE)		ILS	0.000	1.000 N	1.000

* *

VOID

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 2A

USER: Armandol 12/08/2004 04:41:28 PM u:\proj\03\0314\414617\roadway\cesstd01.dgn

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
PPROPOTY 02/24/05

PROPOSAL : T6050 LEAD FINPROJ : 41461715201 COUNTY : MIAMI-DADE MANDIST: 06
FINPROJ(S): 41461715201 COUNTY/SECTION: 87002000
41461725201 87002000

0003 SUMMARY OF SIGNALIZATION — PAY ITEMS

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	41461715201 *	41461725201	QUANTITY TOTAL
		0400- 1- 15	CONC CLASS I(MISCELLANEOUS)	CY	⚠ 0.900 N	1.200 N	2.100
		0630- 1- 13	CONDUIT (FURNISH & INSTALL)(UNDER PAVEMENT)	LF	⚠ 315.000 N	1450.000 N	1765.000
		0632- 7- 1	CABLE (SIGNAL) (FURNISH & INSTALL)	PI	⚠ 0.000	1.000 N	1.000
		0635- 1- 11	PULL & JUNCTION BOXES (F&I) (PULL BOX)	EA	⚠ 5.000 N	14.000 N	19.000
T		0635- 1- 15	PULL & JUNCTION BOXES (F&I) (FIBER OPTICS)	EA	0.000	1.000 N	1.000
		0639- 1- 13	ELECTRICAL POWER SERVICE (OVERHEAD)	AS	⚠ 0.000	1.000 N	1.000
		0639- 2- 1	ELECTRICAL SERVICE WIRE	LF	⚠ 0.000	710.000 N	710.000
		0649-713-002	M/ARM(F&I / RL)(SI ARM W/O LUM)(1ST ARM C3)(2ND N	EA	⚠ 0.000	1.000 N	1.000
		0649-726-204	M/ARM(F&I / RL)(DB ARM W/O LUM)(1ST ARM C6)	EA	0.000	1.000 N	1.000
		0650- 51-311	SIGNAL TRAFFIC(F&I)(3 SECT 1 WAY)(STD)	AS	⚠ 0.000	6.000 N	6.000
		0650- 51-511	SIGNAL TRAFFIC(F&I)(5 SECT 1 WAY)(STD)	AS	0.000	1.000 N	1.000
		0660- 1-105	LOOP DETECTOR INDUCTIVE (F&I) (TYPE 5)	EA	⚠ 11.000 N	0.000	11.000
		0660- 1-109	LOOP DETECTOR INDUCTIVE (F&I) (TYPE 9)	EA	0.000	2.000 N	2.000
		0660- 2-101	LOOP ASSEMBLY (F&I) (TYPE A)	AS	15.000 N	2.000 N	17.000
		0670- 5-120	CNTL ASSEM ACT SS F&I 170 PRE(NONE)	AS	0.000	1.000 N	1.000
T		0685-120-	SYSTEM AUXILIARIES (TELEMETRY TRANSCEIVER)	EA	0.000	1.000 N	1.000
T		0685-124-	SYSTEM AUXILIARIES (UNIVERSAL ADAPTER)	EA	0.000	1.000 N	1.000
		0690-100-	SIGNAL EQUIPMENT MISCELLANOUS REMOVE	PI	⚠ 1.000 N	0.000	1.000
		0700- 46- 14	SIGN EXISTING (REMOVAL) (OVERHEAD CANTILEVER)	AS	1.000 N	0.000	1.000
		0700- 48- 18	SIGN PANELS (F & I) (15 OR <)	EA	⚠ 0.000	4.000 N	4.000

*

⚠ THE FOLLOWING PAY ITEM NOS. HAVE BEEN DELETED:
649-711-001, 649-716-004, 659-101, 660-2-106,
670-5-131, 678-1-110, 685-106, 690-10,
690-33-1, 690-50, 690-80, AND 699-1-1

Victor Lee 06/12/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-24-05	VL	⚠ REVISE QUANTITIES AND DELETE PAY ITEM NOS.			

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 2B

USER: Armandol 02/28/2005 04:27:35 PM u:\proj\03\0341\4146171\roadway\cessrd01.dgn

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FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
PPROPOTY 12/08/04

PROPOSAL : T6050 LEAD FINPROJ : 41461715201 COUNTY : MIAMI-DADE
FINPROJ(S): 41461715201 COUNTY/SECTION: 87002000 MANDIST: 06
41461725201 87002000

0003 SUMMARY OF SIGNALIZATION

SPC ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	PAY ITEMS 41461715201	41461725201	QUANTITY TOTAL
	10400- 1- 15	CONC CLASS I(MISCELLANEOUS)	ICY	4.000 N	1.200 N	5.200
	10630- 1- 13	CONDUIT (FURNISH & INSTALL)(UNDER PAVEMENT)	ILF	1155.000 N	1450.000 N	2605.000
	10632- 7- 1	CABLE (SIGNAL) (FURNISH & INSTALL)	IPI	1.000 N	1.000 N	2.000
	10635- 1- 11	PULL & JUNCTION BOXES (F&I) (PULL BOX)	IEA	18.000 N	14.000 N	32.000
	10635- 1- 15	PULL & JUNCTION BOXES (F&I) (FIBER OPTICS)	IEA	0.000	1.000 N	1.000
	10639- 1- 13	ELECTRICAL POWER SERVICE (OVERHEAD)	IAS	1.000 N	1.000 N	2.000
	10639- 2- 1	ELECTRICAL SERVICE WIRE	ILF	15.000 N	710.000 N	725.000
	10649-711-001	M/ARM(F&I / RL)(SI ARM W/O LUM)(1ST ARM C1)	IEA	1.000 N	0.000	1.000
	10649-713-002	M/ARM(F&I / RL)(SI ARM W/O LUM)(1ST ARM C3)(2ND N	IEA	1.000 N	1.000 N	2.000
	10649-716-004	M/ARM(F&I / RL)(SI ARM W/O LUM)(1ST ARM C6)	IEA	1.000 N	0.000	1.000
	10649-726-204	M/ARM(F&I / RL)(DB ARM W/O LUM)(1ST ARM C6)	IEA	0.000	1.000 N	1.000
	10650- 51-311	SIGNAL TRAFFIC(F&I)(3 SECT 1 WAY)(STD)	IAS	8.000 N	6.000 N	14.000
	10650- 51-511	SIGNAL TRAFFIC(F&I)(5 SECT 1 WAY)(STD)	IAS	0.000	1.000 N	1.000
	10659-101-	SIGNAL HEAD AUXILIARIES (BACK PLATES 3 SECT)	IEA	2.000 N	0.000	2.000
	10660- 1-105	LOOP DETECTOR INDUCTIVE (F&I) (TYPE 5)	IEA	17.000 N	0.000	17.000
	10660- 1-109	LOOP DETECTOR INDUCTIVE (F&I) (TYPE 9)	IEA	0.000	2.000 N	2.000
	10660- 2-101	LOOP ASSEMBLY (F&I) (TYPE A)	IAS	15.000 N	2.000 N	17.000
	10660- 2-106	LOOP ASSEMBLY (F&I) (TYPE F)	IAS	10.000 N	0.000	10.000
	10670- 5-120	CNTL ASSEM ACT SS F&I 170 PRE(NONE)	IAS	0.000	1.000 N	1.000
	10670- 5-131	CNTL ASSEM ACT SS F&I SPEC PRE(ONE)	IAS	1.000 N	0.000	1.000
T	10678- 1-110	CNTRL ACCESS (F&I) (TYPE 4 TIME SWITCH)	IEA	1.000 N	0.000	1.000
T	10685-106-	SYSTEM AUXILIARIES (UNINTERRUPTIBLE POWER SOURCE)	IEA	1.000 N	0.000	1.000
T	10685-120-	SYSTEM AUXILIARIES (TELEMETRY TRANSCEIVER)	IEA	0.000	1.000 N	1.000
	10685-124-	SYSTEM AUXILIARIES (UNIVERSAL ADAPTER)	IEA	0.000	1.000 N	1.000
	10690- 10-	SIGNAL HEAD TRAFFIC ASSEMBLY REMOVAL	IEA	8.000 N	0.000	8.000
	10690- 33- 1	POLE REMOVAL (DEEP DIRECT BURIAL)	ILF	80.000 N	0.000	80.000
	10690- 50-	CNTRL ASSEM REMOVE	IEA	1.000 N	0.000	1.000
	10690- 80-	SPAN WIRE ASSEMBLY REMOVE	IEA	4.000 N	0.000	4.000
	10690-100-	SIGNAL EQUIPMENT MISCELLANOUS REMOVE	IPI	2.000 N	0.000	2.000
	10699- 1- 1	SIGN, INTERNAL ILLUM(ST NAME)	IEA	3.000 N	0.000	3.000
	10700- 46- 14	SIGN EXISTING (REMOVAL) (OVERHEAD CANTILEVER)	IAS	1.000 N	0.000	1.000
	10700- 48- 18	SIGN PANELS (F & I) (15 OR <)	IEA	1.000 N	4.000 N	5.000

*

VOID

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

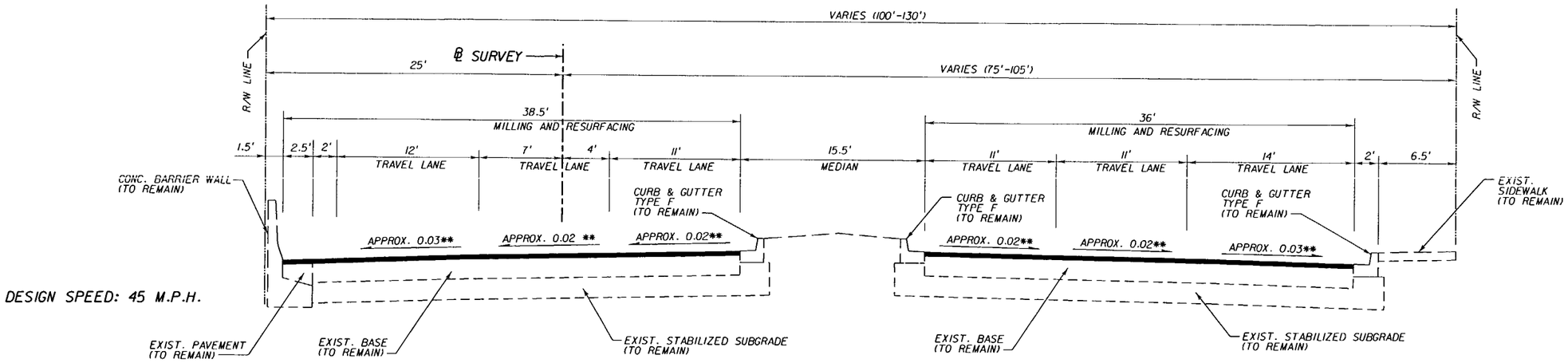
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 2B

USER: Armondol 12/08/2004 04:41:51 PM u:\proj\03\0314\414617\roadway\cssr101.dgn

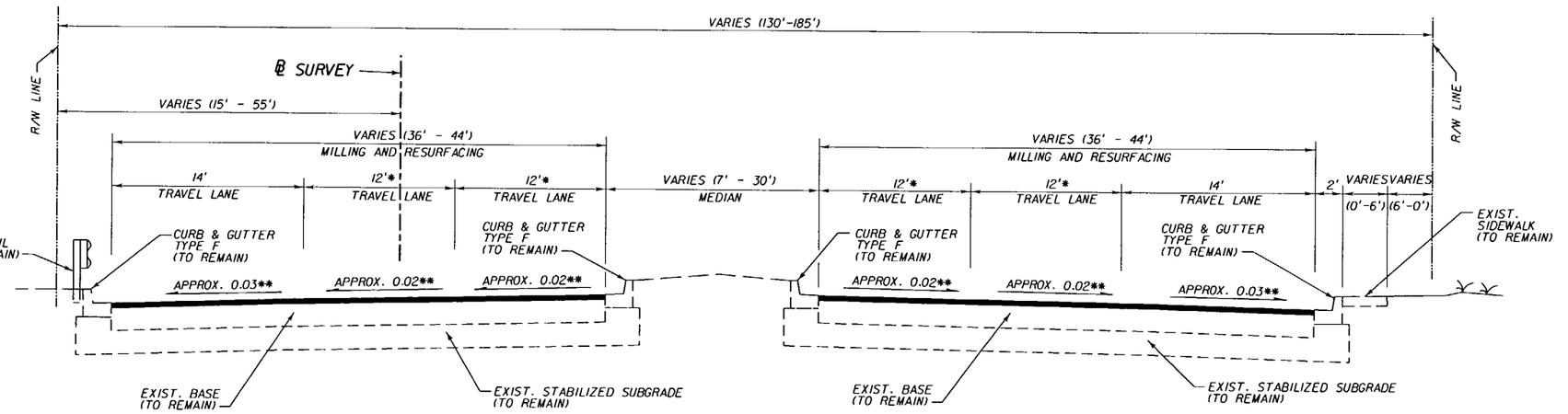


DESIGN SPEED: 45 M.P.H.

TYPICAL SECTION

S.R. 823 (N.W. 57th AVE.)

STA. 783+21.58 TO STA. 822+12.00



DESIGN SPEED: 45 M.P.H.

Victor Lee 06/19/06

* LANE WIDTH VARIES FROM 11' TO 12' FROM STA. 822+12 TO STA. 833+90.

** MATCH EXISTING CROSS SLOPES

TYPICAL SECTION

S.R. 823 (N.W. 57th AVE.)

STA. 822+12.00 TO STA. 873+36.00

TRAFFIC DATA

CURRENT YEAR	= 2003 AADT	= 34700
ESTIMATED OPENING YEAR	= 2009 AADT	= 40100
ESTIMATED DESIGN YEAR	= 2029 AADT	= 65200

K = 9 % D = 52% T = 3 % (24 HOUR)

MILLING AND RESURFACING

MILL EXISTING ASPHALT CONCRETE PAVEMENT (2¼" AVERAGE DEPTH) (2" BELOW LIP OF GUTTER ON LOW SIDE) AND RESURFACE WITH TYPE SP STRUCTURAL COURSE (TL C) (1½") AND FRICTION COURSE FC-5 (3/4") (RUBBER).

WIDENING (STA. 790+87 TO STA. 790+92)

OPTIONAL BASE GROUP 15 (9" TYPE B-12.5) AND TYPE SP STRUCTURAL COURSE (TL C) (3") AND FRICTION COURSE FC-5 (3/4") (RUBBER)

S.R. 823 (RED ROAD/N.W. 57th AV.)

FROM N.W. 186th ST. TO THE MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-24-05	VL	REVISE TYPICAL SECTION STATIONING			

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

TYPICAL SECTION

SHEET NO. 3

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Roadway - As-Built Pavement Data (LIMS)

Date Page No. of

LIMS ID 600055133

Project ID.: **414617-1-52-01** Pay Item No.: **2 101 1** Material ID.: **PROABS**

Level of Testing: **V** Material ID (On Spec): **PROABS** Sample Level: **V** Manfr or Prod: **WEEKLY ASPHALT**

Destination LabID: **E06003** Date Sampled: **6/20/06** Sample No.: **A0001V** Sta. From: **783+21.58**

Sta. To: **873+36** Sampled By: **O. LARRAZABAL** Unit of Measure **TN** Plant No.: **A0745**

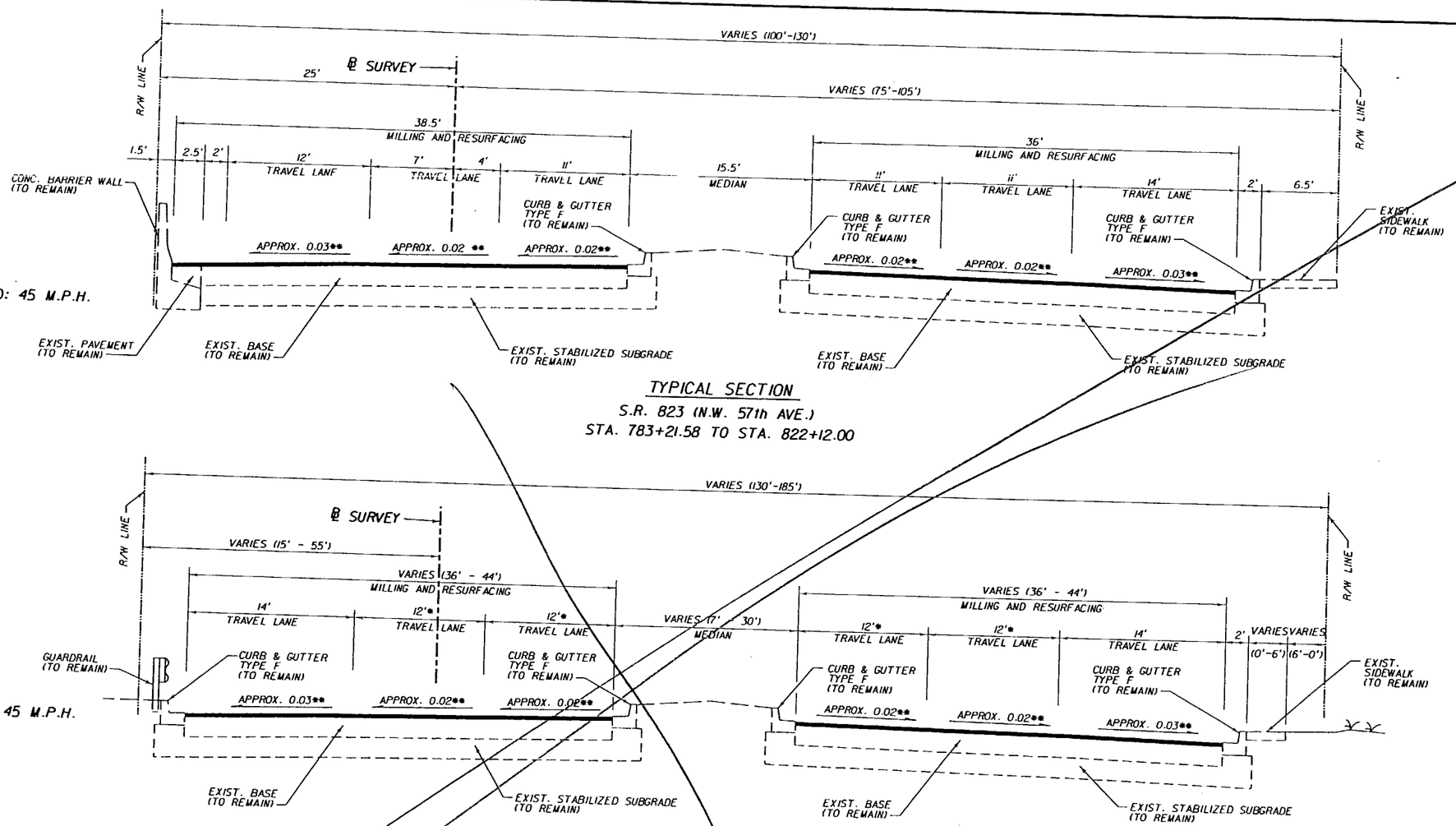
Design Mix No.: **04-3485A, 05-3937A** Intended Use **STRUCT/FRICT.**

Pavement Information
(Enter Only New Pavement Layers - Start With First Pavement Layer Placed)

Milling Depth	Layer Number	Subgrade (if new)	Base (if new)	1	2
	Layer Code	NA	NA	SP125C	FC5
2.25"	Approx. Thickness in./mm			1.50"	.75"

Layer Number	3	4	5	6	7
Layer Code					
Approx. Thickness in./mm					

Remarks:



DESIGN SPEED: 45 M.P.H.

TYPICAL SECTION
S.R. 823 (N.W. 57th AVE.)
STA. 783+21.58 TO STA. 822+12.00

DESIGN SPEED: 45 M.P.H.

TYPICAL SECTION
S.R. 823 (N.W. 57th AVE.)
STA. 822+12.00 TO STA. 885+55.48

* LANE WIDTH VARIES FROM 11' TO 12' FROM STA. 822+12 TO STA. 833+90.

** MATCH EXISTING CROSS SLOPES

TRAFFIC DATA

CURRENT YEAR = 2003 AADT = 34700
ESTIMATED OPENING YEAR = 2009 AADT = 40100
ESTIMATED DESIGN YEAR = 2029 AADT = 55200
K = 9 % D = 52% T = 3 % (24 HOUR)

MILLING AND RESURFACING

MILL EXISTING ASPHALT CONCRETE PAVEMENT (2¼" AVERAGE DEPTH) (2" BELOW LIP OF GUTTER ON LOW SIDE) AND RESURFACE WITH TYPE SP STRUCTURAL COURSE (TL C) (1½") AND FRICTION COURSE FC-5 (3/4") (RUBBER).

WIDENING (STA. 790+87 TO STA. 790+92)

OPTIONAL BASE GROUP 15 (9" TYPE B-12.5) AND TYPE SP STRUCTURAL COURSE (TL C) (3") AND FRICTION COURSE FC-5 (3/4") (RUBBER)

VOID

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO THE MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

TYPICAL SECTION

SHEET NO. 3

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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

SUMMARY OF GUARDRAIL

LOCATION		GUARDRAIL (LF)								END ANCHORAGE ASSEMBLIES (EA)								REMARKS	FIELD BOOK REFERENCE
STATION	SIDE	ROADWAY		ROADWAY, SHOP-BENT		PEDESTRIAN SAFETY TREATMENT		RUBRAIL		FLARED		PARALLEL		TYPE II		TYPE CRT			
		P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
SR 823/NW 189 ST SW CORNER		62.5	62.5 ✓	50	50 ✓	FROM		FROM											
						TO		TO				1	1 ✓						
SR 823/NW 191 ST NW CORNER		62.5	62.5 ✓	37.5	38 ✓	FROM		FROM											
						TO		TO				1	1 ✓						
						FROM		FROM											
						TO		TO											
						FROM		FROM											
						TO		TO											
						FROM		FROM											
						TO		TO											
						FROM		FROM											
						TO		TO											
						FROM		FROM											
						TO		TO											
TOTAL		125.0	425.00 ✓	87.5	88 ✓							2	2 ✓						

SUMMARY OF MANHOLES (TO BE ADJUSTED)

SHEET NO.	QUANTITY (EA)	FINAL
7	2	~~0~~
8	2	~~0~~
9	2	~~0~~
16	1	~~0~~
TOTAL	7	~~0~~ ✓

NO ADJUSTMENT
~~0~~

SUMMARY OF GUARDRAIL REMOVAL

LOCATION	SIDE	GUARDRAIL LF P	GUARDRAIL LF F
SR 823/NW 189 ST SW CORNER		100.5	100.5 ✓
SR 823/NW 191 ST NW CORNER		91.5	91.5 ✓
TOTAL		192.0	192 ✓ ✓

SUMMARY OF GUARDRAIL POSTS (TO BE REPLACED)

LOCATION	REGULAR GUARDRAIL POST EA P	REGULAR GUARDRAIL POST EA F
SR 823/NW 199 ST SW CORNER	13	13 ✓
SR 823/NW 199 ST NW CORNER	9	9 ✓
TOTAL	22	22 ✓ EA

PAY ITEM NOTES

285-715 INCLUDES COST OF EXCAVATION FOR WIDENING

520-1-10 & 520-2-4 INCLUDES COST OF CURB PAD; INCLUDES COST OF SAWCUTTING EXISTING PAVEMENT OR CURB AND GUTTER. ALSO INCLUDES REMOVAL AND DISPOSAL OF THE EXISTING CURB AND GUTTER OUTSIDE CLEARING AND GRUBBING LIMITS; INCLUDES EXCAVATION AND FILL FOR CONSTRUCTION OF THE NEW CURB OR CURB AND GUTTER.

522-1 INCLUDES COST OF SAWCUTTING EXISTING SIDEWALK; INCLUDES REMOVAL AND DISPOSAL OF THE EXISTING SIDEWALK OUTSIDE CLEARING AND GRUBBING LIMITS; INCLUDES EXCAVATION AND FILL FOR CONSTRUCTION OF THE NEW SIDEWALK.

536-1-1 INCLUDES COST OF SPECIAL END SHOE

710- THE TOTAL SHOWN ON THE SUMMARY OF ROADWAY PAY ITEMS ARE FOR PAINTED PAVEMENT MARKINGS USED FOR MAINTENANCE OF TRAFFIC.

Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-24-05	VL	DELETE PAY ITEM NOTE 580-1-2 AND LANDSCAPE TABULATION OF QUANTITIES			

DAVID PLUMMER & ASSOCIATES, INC.
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CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. 4

USER: ArmandoL 02/28/2005 04:28:11 PM u:\proj\03\03141\414617\roadway\sumqrd01.dgn

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SUMMARY OF GUARDRAIL

LOCATION		GUARDRAIL (LF)								END ANCHORAGE ASSEMBLIES (EA)								REMARKS	FIELD BOOK REFERENCE
STATION	SIDE	ROADWAY		ROADWAY, SHOP-BENT		PEDESTRIAN SAFETY TREATMENT		RUBRAIL		FLARED		PARALLEL		TYPE II		TYPE CRT			
		P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
SR 823/NW 189 ST SW CORNER		62.5		50		FROM		FROM											
						TO		TO											
SR 823/NW 191 ST NW CORNER		62.5		37.5		FROM		FROM				1							
						TO		TO											
						FROM		FROM				1							
						TO		TO											
						FROM		FROM											
						TO		TO											
						FROM		FROM											
						TO		TO											
						FROM		FROM											
						TO		TO											
						FROM		FROM											
						TO		TO											
						FROM		FROM											
						TO		TO											
TOTAL		125.0		87.5								2							

SUMMARY OF MANHOLES (TO BE ADJUSTED)

SHEET NO.	QUANTITY (EA)
7	2
8	2
9	2
16	1
TOTAL	7

SUMMARY OF GUARDRAIL REMOVAL

LOCATION	SIDE	GUARDRAIL LF	
		P	F
SR 823/NW 189 ST SW CORNER		100.5	
SR 823/NW 191 ST NW CORNER		91.5	
TOTAL		192.0	

SUMMARY OF GUARDRAIL POSTS (TO BE REPLACED)

LOCATION	REGULAR GUARDRAIL POST EA	
	P	F
SR 823/NW 199 ST SW CORNER	13	
NW CORNER	9	
TOTAL	22	

LANDSCAPE TABULATION OF QUANTITIES

DESCRIPTION	SIZE	SHEET NUMBERS										TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
		SHEET 55														
		PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
TREE PROTECTION (LF) (SEE NOTE 3 ON SHEET 5)		20										20		20		

PAY ITEM NOTES

285-715 INCLUDES COST OF EXCAVATION FOR WIDENING

520-1-10 & 520-2-4 INCLUDES COST OF CURB PAD; INCLUDES COST OF SAWCUTTING EXISTING PAVEMENT OR CURB AND GUTTER. ALSO INCLUDES REMOVAL AND DISPOSAL OF THE EXISTING CURB AND GUTTER OUTSIDE CLEARING AND GRUBBING LIMITS; INCLUDES EXCAVATION AND FILL FOR CONSTRUCTION OF THE NEW CURB OR CURB AND GUTTER.

522-1 INCLUDES COST OF SAWCUTTING EXISTING SIDEWALK; INCLUDES REMOVAL AND DISPOSAL OF THE EXISTING SIDEWALK OUTSIDE CLEARING AND GRUBBING LIMITS; INCLUDES EXCAVATION AND FILL FOR CONSTRUCTION OF THE NEW SIDEWALK.

536-1-1 INCLUDES COST OF SPECIAL END SHOE

580-1-2 INCLUDES COST OF TREE PROTECTION (SEE TABLE BELOW)

710- THE TOTAL SHOWN ON THE SUMMARY OF ROADWAY PAY ITEMS ARE FOR PAINTED PAVEMENT MARKINGS USED FOR MAINTENANCE OF TRAFFIC.

VOID

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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1750 PONCE DE LEON BOULEVARD
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SUMMARY OF QUANTITIES — SHEET NO. 4

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GENERAL NOTES

1. B.M. DATA IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD-29).

2. ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK AND IN DANGER OF BEING DAMAGED, DESTROYED OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED-LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYOR PRIOR TO BEGINNING WORK AT THAT SITE. THE CONTRACTOR SHALL RETAIN THE LAND SURVEYOR TO REFERENCE, AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO THE DISTRICT LOCATION ENGINEER A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING. INCLUDE ALL COST OF REFERENCING, RESTORING AND PRESERVING IN THE BID PRICE FOR ITEM 101-1 MOBILIZATION.

3. ALL N.G.V.D. BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED AND REFERENCED BY THE CONTRACTOR IN THE SAME WAY AS PUBLIC LAND CORNERS EXCEPT THAT THE LAND SURVEYORS SHALL NOT BE REQUIRED TO RESTORE THE N.G.V.D. BENCH MARK UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL PROMPTLY TRANSMIT ALL DISPLACED OR DAMAGED N.G.V.D. DISCS TO THE DISTRICT LOCATION SURVEYOR, WHO SHALL NOTIFY THE GEODETIC INFORMATION CENTER. INCLUDE ALL COST OF REFERENCING AND PROTECTING IN THE BID PRICE FOR ITEM 101-1 MOBILIZATION.

4. ALL EXCESS MATERIAL AS DESIGNATED BY THE ENGINEER IS TO BE DISPOSED BY THE CONTRACTOR IN AREAS PROVIDED BY HIM WITHIN 72 HOURS OF BEING DEPOSITED IN THE CONSTRUCTION AREA AND AT THE CONTRACTOR'S EXPENSE.

5. THE CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK. CLEANING AND SWEEPING IS TO BE INCLUDED IN ITEM 102-1 MAINTENANCE OF TRAFFIC. USE OF BROOM MACHINE IS PROHIBITED.

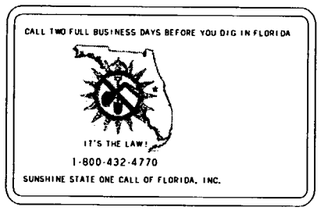
6. THE CONTRACTOR SHALL PAINT ALL STATIONS WITH STENCILED NUMBERS ON THE FACE OF THE CURB.
   A. FROM THE BEGINNING OF THE PROJECT WHERE THE CURB IS TO REMAIN.
   B. AT NEW CURB NOT LATER THAN 72 HOURS AFTER BEING POURED.
   C. WHERE CURB DOES NOT EXIST AND SHALL NOT BE CONSTRUCTED THE CONTRACTOR SHALL MAINTAIN STATIONING WITH SURVEYING STAKES.
   THE CONTRACTOR SHALL MAINTAIN THE STATION MARKS VISIBLE UNTIL FINAL INSPECTION. COST TO BE INCLUDED IN RELATED PAY ITEM 102-1 MAINTENANCE OF TRAFFIC.

7. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING AND NEW INLETS CLEAN OF MILLING MATERIAL, LIMEROCK, DEBRIS, ETC. DURING THE CONSTRUCTION AT NO ADDITIONAL COST.

8. SAW CUTTING OF EXISTING SIDEWALKS SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.

9. CLEARING AND GRUBBING, GRADING AND OTHER INCIDENTAL WORK NECESSARY FOR HARMONIZATION OUTSIDE R/W SHALL BE INCLUDED IN RELATED BID ITEMS (ASPHALT, SOD, CONCRETE, BRICKS, ETC.)

10. THE CONTRACTOR SHALL PERFORM SELECTIVE CLEARING AND GRUBBING FOR THE WORK BEING DONE. COST TO BE INCLUDED IN 110-1-1, CLEARING AND GRUBBING.



UTILITY NOTES

1. FOR UTILITY ADJUSTMENT SYMBOLS, SEE STANDARD INDEX NO.002.

2. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.

3. TWO FULL BUSINESS DAYS PRIOR TO DIGGING THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL OF FLORIDA, TELEPHONE NUMBER 1-800-432-4770, AND THE UTILITY OWNER AND REQUEST UTILITY LOCATIONS. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.

4. THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS, WATER AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING AND COMPACTING AROUND THESE LATERAL SERVICES MUST BE INCLUDED IN THE BID RELATED ITEM FOR THE WORK BEING DONE.

5. PRE-TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES STRUCTURES, FRENCH DRAINS, SLAB COVERED TRENCHES, CONDUITS, POLE FOUNDATIONS AND/OR SUB-GRADE SHALL BE PERFORMED SEVEN DAYS IN ADVANCE OF ITS CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS AND THE DEPARTMENT WITH A SEVEN DAYS ADVANCE NOTICE OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS. PAYMENT FOR PRE-TRENCHING, SURVEY AND BACKFILLING SHALL BE INCLUDED IN THE COST OF THE RELATED BID ITEM FOR THE WORK BEING DONE.

6. UTILITY OWNER:

COMPANIES	TELEPHONE NO.
SUNSHINE ONE CALL	1-800-432-4770
MIAMI-DADE COUNTY TRAFFIC SIGNALS & LIGHTS	305-592-3470
FPL FIBER NET	305-552-3249
FPL (ELECTRIC)	305-442-5129
BELL SOUTH	305-260-8243
MIAMI DADE WATER & SEWER DEPARTMENT	305-665-7471
NUI CITY GAS COMPANY OF FLORIDA	305-691-8710

ENVIRONMENTAL NOTES

1. THE CONTRACTOR SHALL REVIEW ENVIRONMENTAL REQUIREMENTS OF ANY PROPOSED STAGING AREAS WITH THE DISTRICT ENVIRONMENTAL PERMITS COORDINATOR AT (305) 470-5220 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO USE.

2. THIS PROJECT CROSSES THE SNAKE CREEK CANAL AND IS ADJACENT TO THE RED ROAD CANAL. THE DISCHARGE OF ANY FOREIGN MATERIAL INTO THE WATER SHALL NOT BE PERMITTED.

3. ANY MATERIAL TO BE STOCKPILED FOR PERIODS GREATER THAN 24 HOURS SHALL BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES. COST TO BE INCLUDED IN THE RELATED BID ITEM.

FIELD OFFICE NOTES

1. COST OF THE FIELD OFFICE ONE MONTH BEFORE THE CONSTRUCTION BEGINS AND ONE MONTH AFTER THE CONSTRUCTION IS FINISHED TO BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC. COST OF FIELD OFFICE DURING CONSTRUCTION TO BE INCLUDED IN 109-71-

2. THE FIELD OFFICE SHALL BE LOCATED WITHIN ONE MILE OF THE LIMITS OF CONSTRUCTION.

Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-24-05	VL	DELETE ENVIRONMENTAL NOTE			

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

GENERAL NOTES

SHEET NO. 5

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GENERAL NOTES

1. B.M. DATA IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD-29).

2. ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK AND IN DANGER OF BEING DAMAGED, DESTROYED OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED-LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYOR PRIOR TO BEGINNING WORK AT THAT SITE. THE CONTRACTOR SHALL RETAIN THE LAND SURVEYOR TO REFERENCE, AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO THE DISTRICT LOCATION ENGINEER A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING. INCLUDE ALL COST OF REFERENCING, RESTORING AND PRESERVING IN THE BID PRICE FOR ITEM 101-1 MOBILIZATION.

3. ALL N.G.V.D. BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED AND REFERENCED BY THE CONTRACTOR IN THE SAME WAY AS PUBLIC LAND CORNERS EXCEPT THAT THE LAND SURVEYORS SHALL NOT BE REQUIRED TO RESTORE THE N.G.V.D. BENCH MARK UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL PROMPTLY TRANSMIT ALL DISPLACED OR DAMAGED N.G.V.D. DISCS TO THE DISTRICT LOCATION SURVEYOR, WHO SHALL NOTIFY THE GEODETIC INFORMATION CENTER. INCLUDE ALL COST OF REFERENCING AND PROTECTING IN THE BID PRICE FOR ITEM 101-1 MOBILIZATION.

4. ALL EXCESS MATERIAL AS DESIGNATED BY THE ENGINEER IS TO BE DISPOSED BY THE CONTRACTOR IN AREAS PROVIDED BY HIM WITHIN 72 HOURS OF BEING DEPOSITED IN THE CONSTRUCTION AREA AND AT THE CONTRACTOR'S EXPENSE.

5. THE CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK. CLEANING AND SWEEPING IS TO BE INCLUDED IN ITEM 102-1 MAINTENANCE OF TRAFFIC. USE OF BROOM MACHINE IS PROHIBITED.

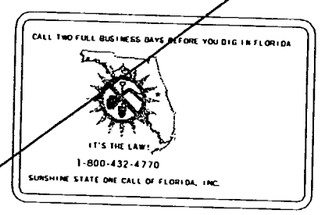
6. THE CONTRACTOR SHALL PAINT ALL STATIONS WITH STENCILED NUMBERS ON THE FACE OF THE CURB.
   A. FROM THE BEGINNING OF THE PROJECT WHERE THE CURB IS TO REMAIN.
   B. AT NEW CURB NOT LATER THAN 72 HOURS AFTER BEING POURED.
   C. WHERE CURB DOES NOT EXIST AND SHALL NOT BE CONSTRUCTED THE CONTRACTOR SHALL MAINTAIN STATIONING WITH SURVEYING STAKES.
   THE CONTRACTOR SHALL MAINTAIN THE STATION MARKS VISIBLE UNTIL FINAL INSPECTION. COST TO BE INCLUDED IN RELATED PAY ITEM 102-1 MAINTENANCE OF TRAFFIC.

7. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING AND NEW INLETS CLEAN OF MILLING MATERIAL, LIMEROCK, DEBRIS, ETC. DURING THE CONSTRUCTION AT NO ADDITIONAL COST.

8. SAW CUTTING OF EXISTING SIDEWALKS SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.

9. CLEARING AND GRUBBING, GRADING AND OTHER INCIDENTAL WORK NECESSARY FOR HARMONIZATION OUTSIDE R/W SHALL BE INCLUDED IN RELATED BID ITEMS (ASPHALT, SOD, CONCRETE, BRICKS, ETC.)

10. THE CONTRACTOR SHALL PERFORM SELECTIVE CLEARING AND GRUBBING FOR THE WORK BEING DONE. COST TO BE INCLUDED IN 110-1-1, CLEARING AND GRUBBING.



UTILITY NOTES

1. FOR UTILITY ADJUSTMENT SYMBOLS, SEE STANDARD INDEX NO.002.

2. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.

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ENVIRONMENTAL NOTES

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2. THIS PROJECT CROSSES THE SNAKE CREEK CANAL AND IS ADJACENT TO THE RED ROAD CANAL. THE DISCHARGE OF ANY FOREIGN MATERIAL INTO THE WATER SHALL NOT BE PERMITTED.

3. INSTALL TEMPORARY TREE PROTECTION PRIOR TO WORK AT THE FOLLOWING LOCATION:
   - SURROUNDING THE BLACK OLIVE TREE SCHEDULED TO REMAIN AT STA. 878+60 (22' LT)

4. ANY MATERIAL TO BE STOCKPILED FOR PERIODS GREATER THAN 24 HOURS SHALL BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES. COST TO BE INCLUDED IN THE RELATED BID ITEM.

FIELD OFFICE NOTES

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2. THE FIELD OFFICE SHALL BE LOCATED WITHIN ONE MILE OF THE LIMITS OF CONSTRUCTION.

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
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DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

GENERAL NOTES

SHEET NO. 5

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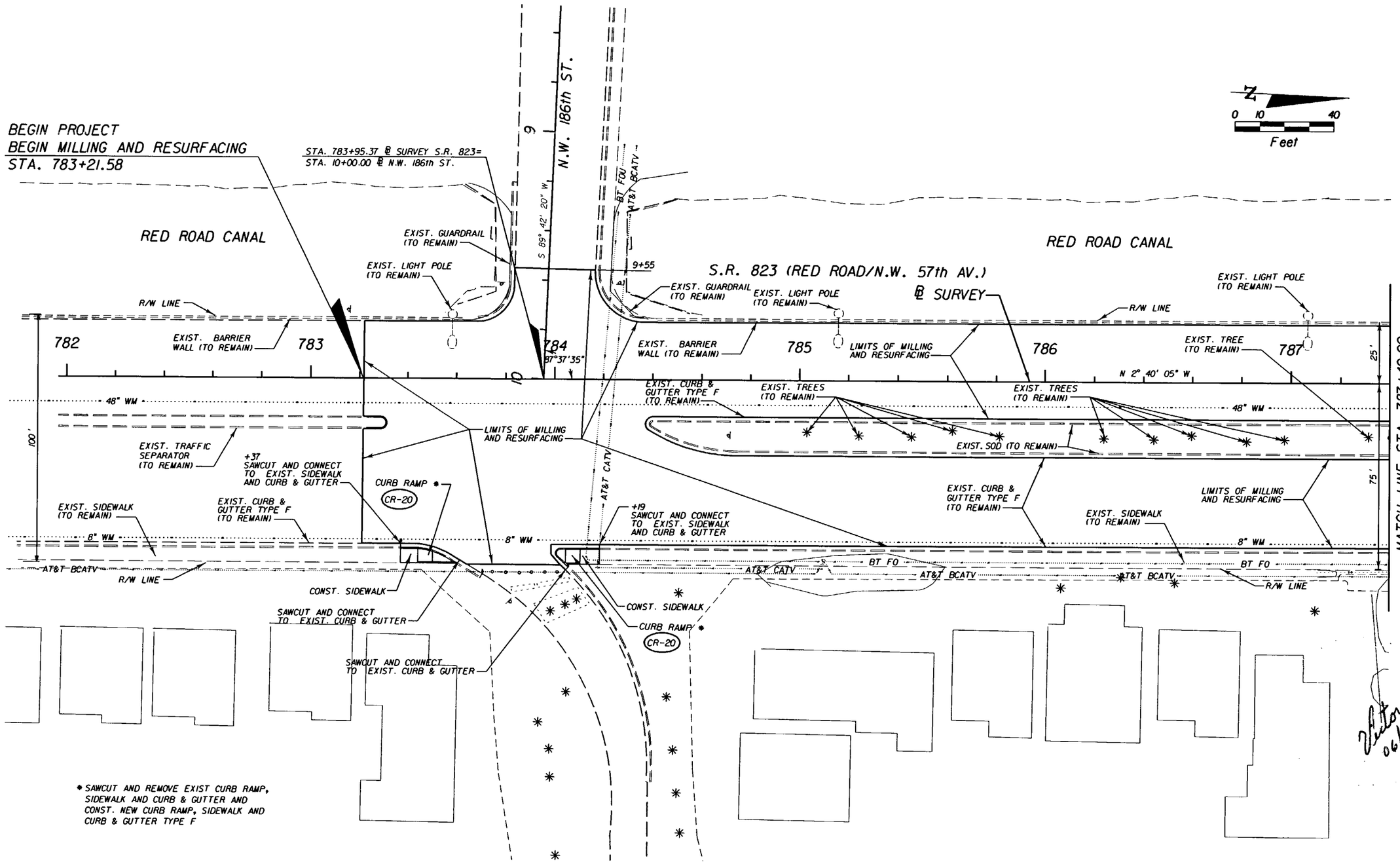

* SAWCUT AND REMOVE EXIST CURB RAMP, SIDEWALK AND CURB & GUTTER AND CONST. NEW CURB RAMP, SIDEWALK AND CURB & GUTTER TYPE F

Victor Lee 06/9/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 6

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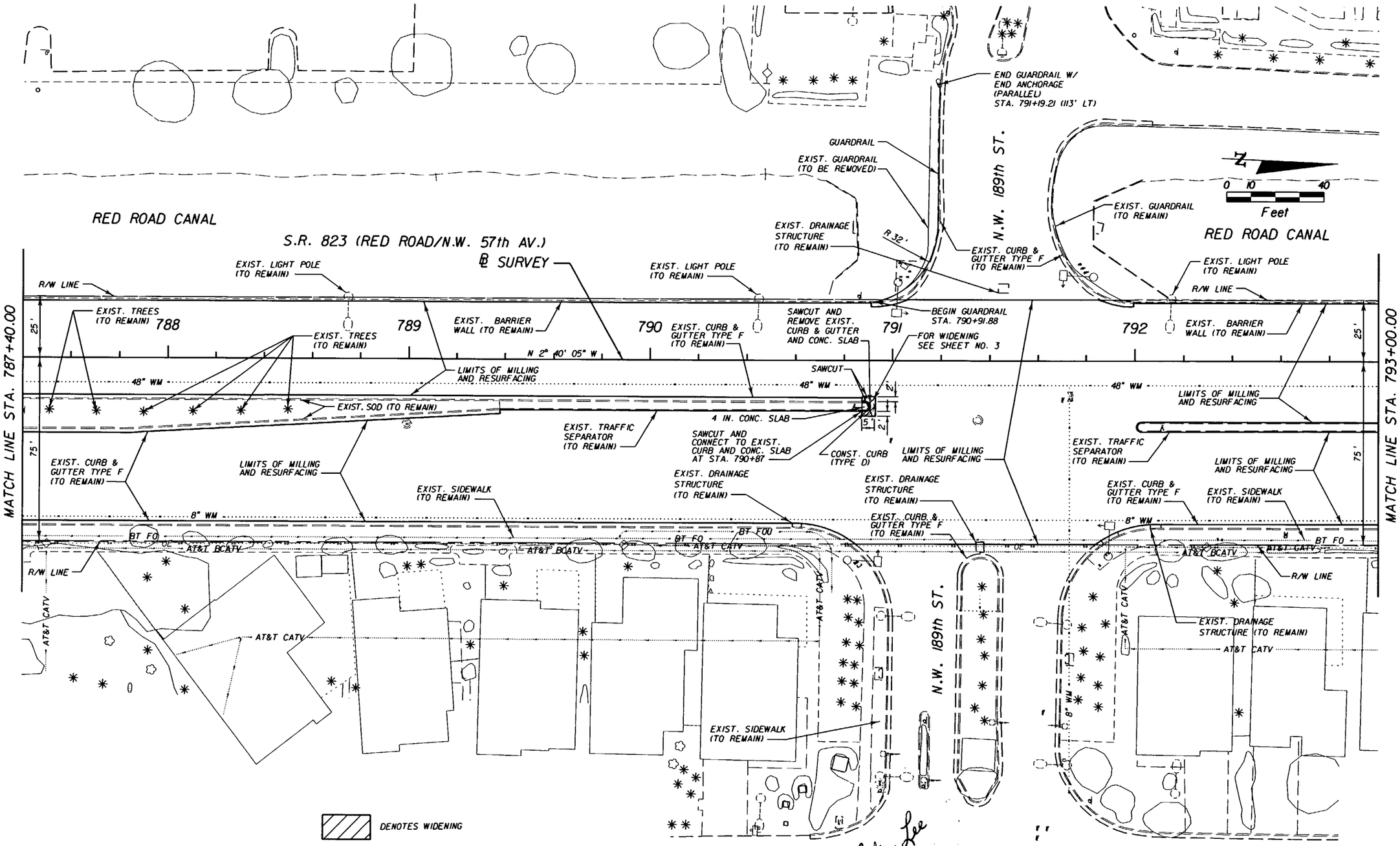

Victor Lee
06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 7

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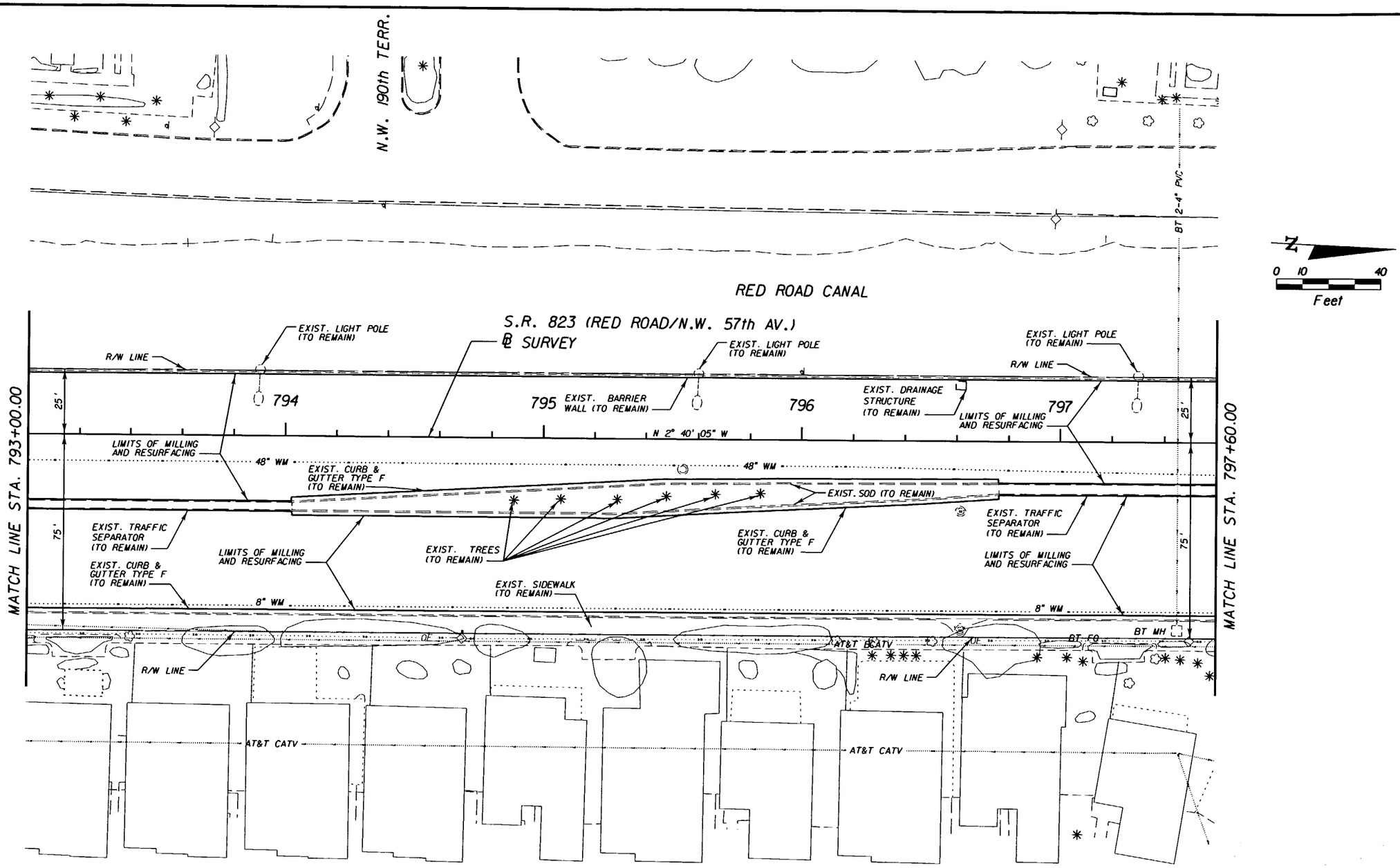

Victor Lee
06/14/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

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SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 8

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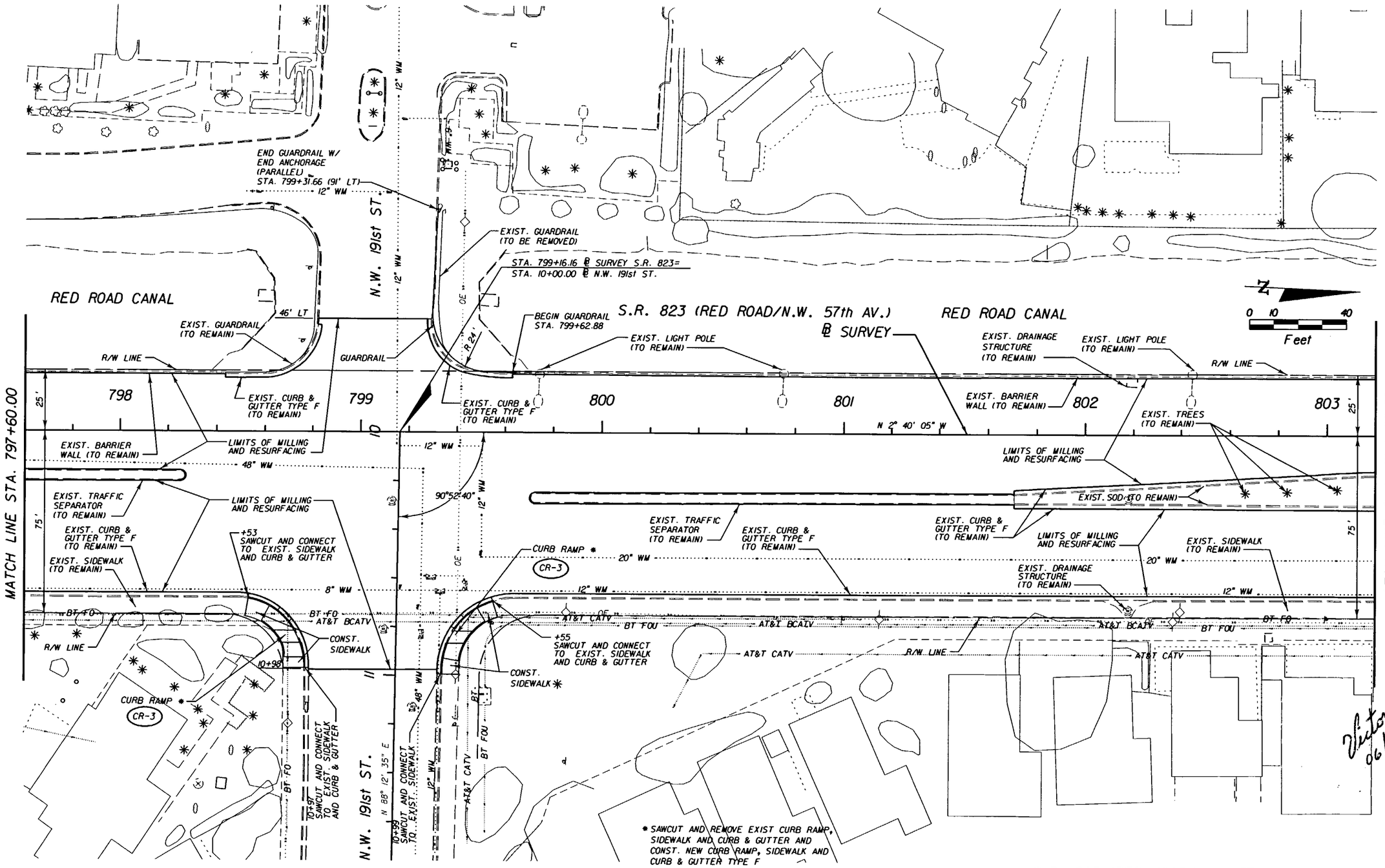

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06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 9

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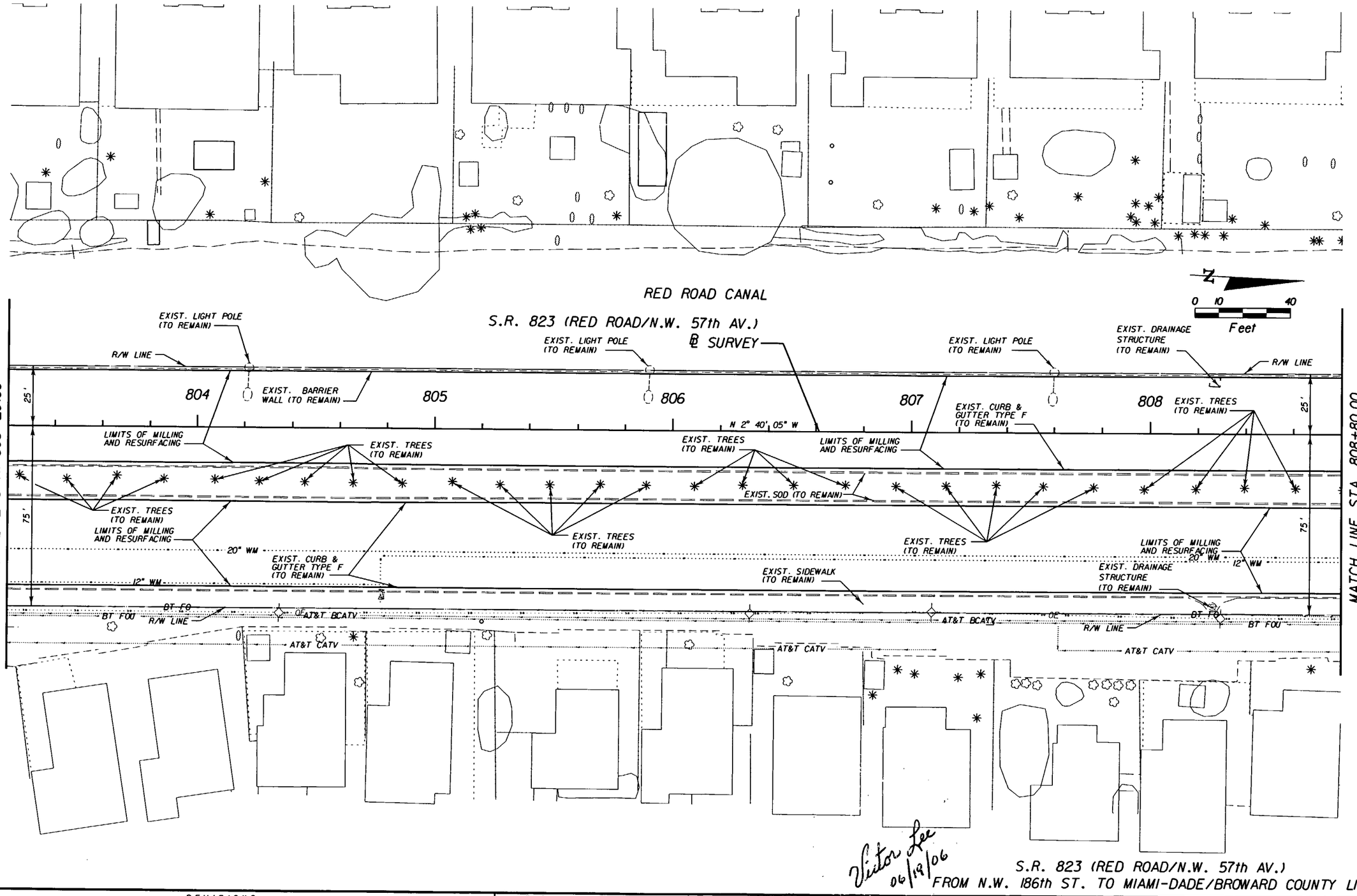

Victor Lee
06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 10

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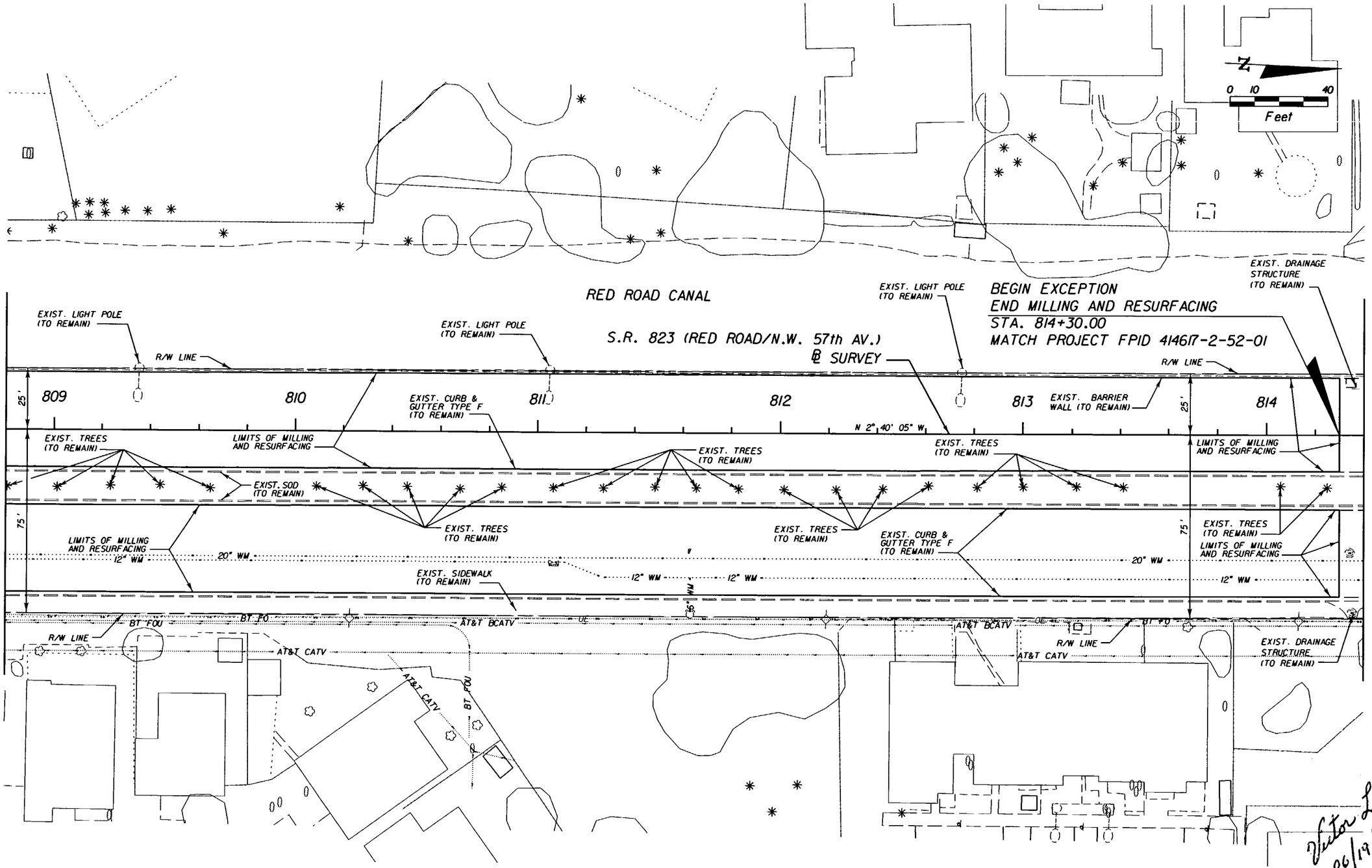

Victor Lee
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SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 11

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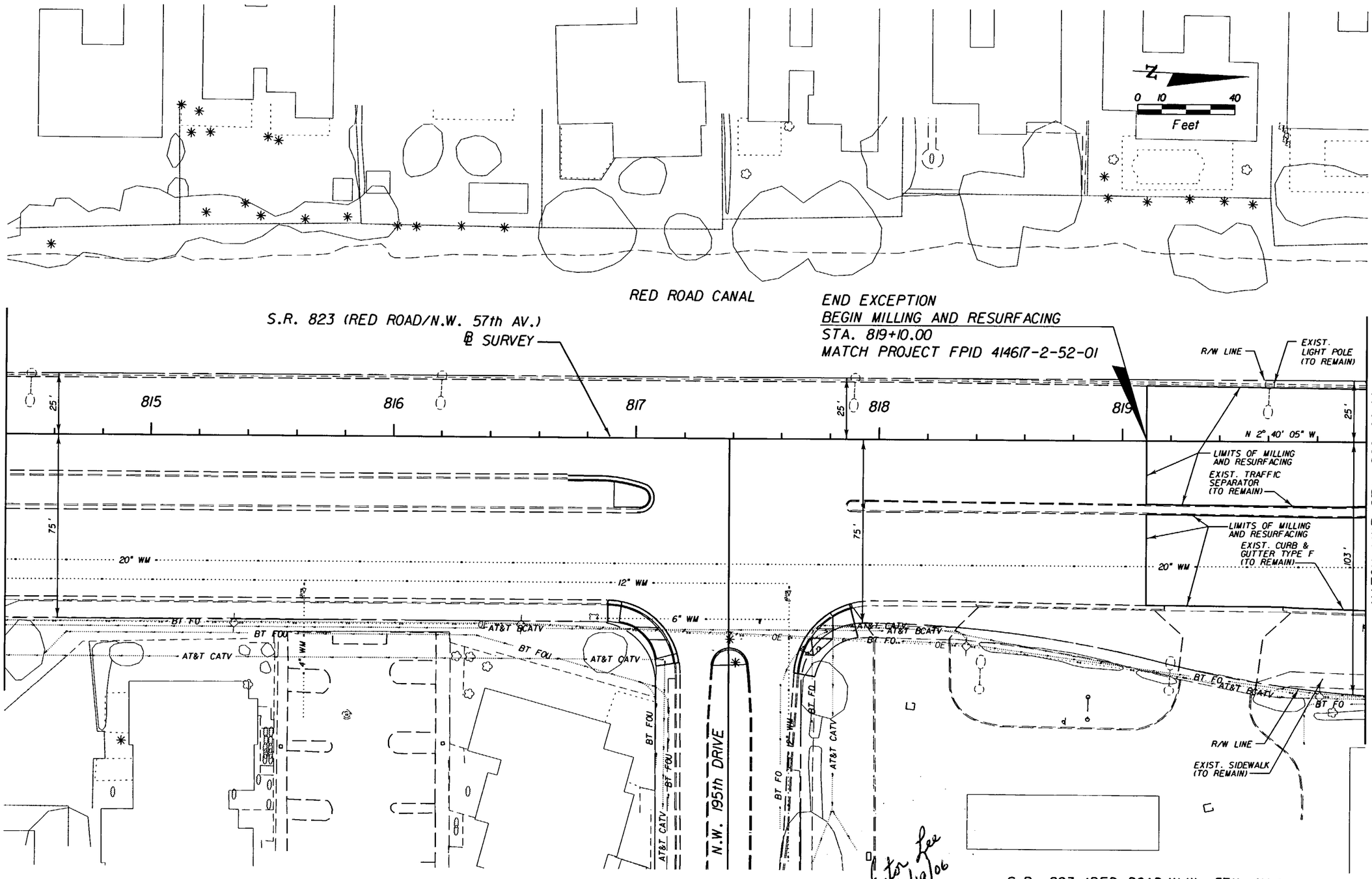

Victor Lee 06/19/06

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SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 12

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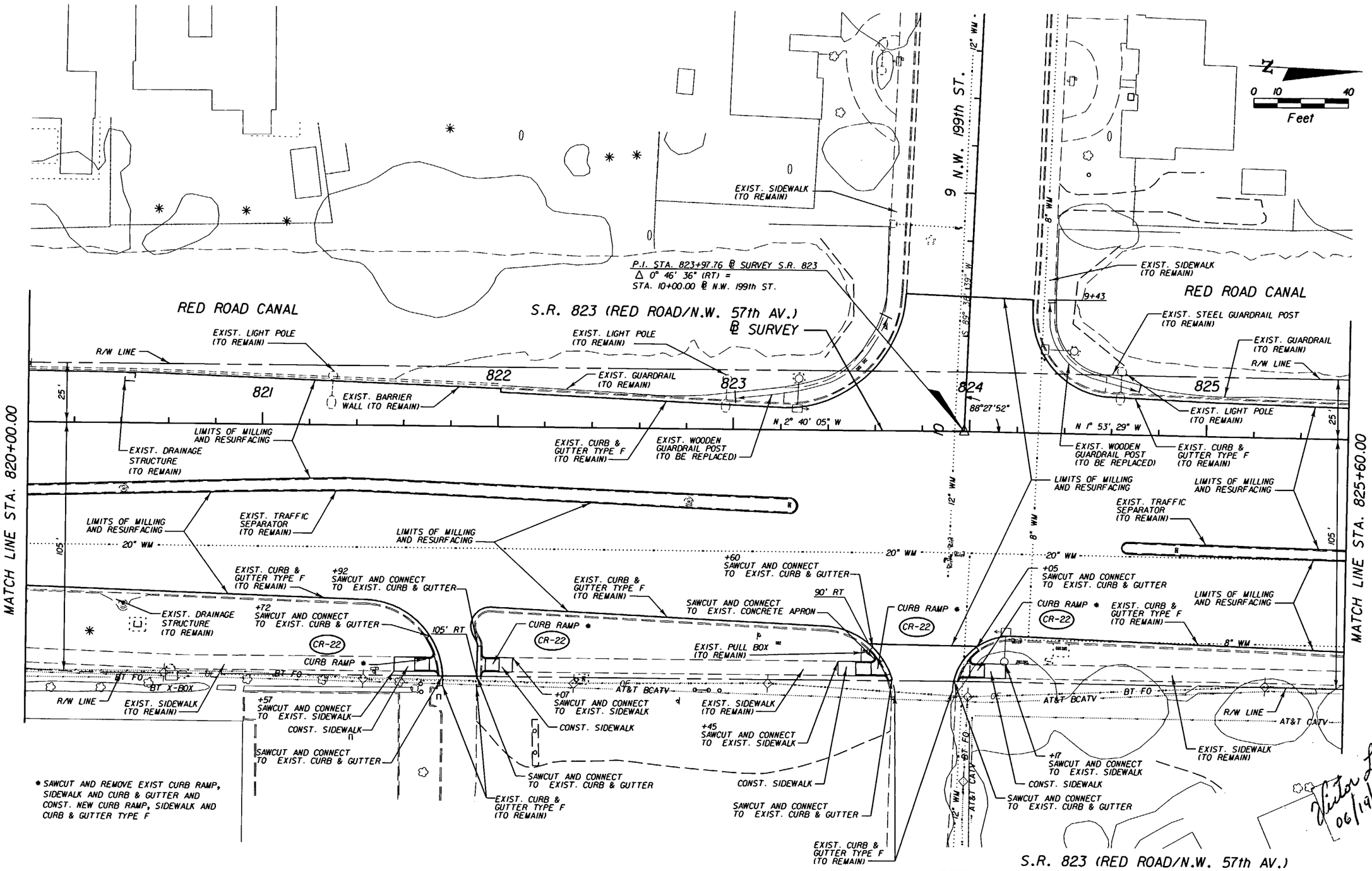

Victor Lee 06/19/06

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SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 13

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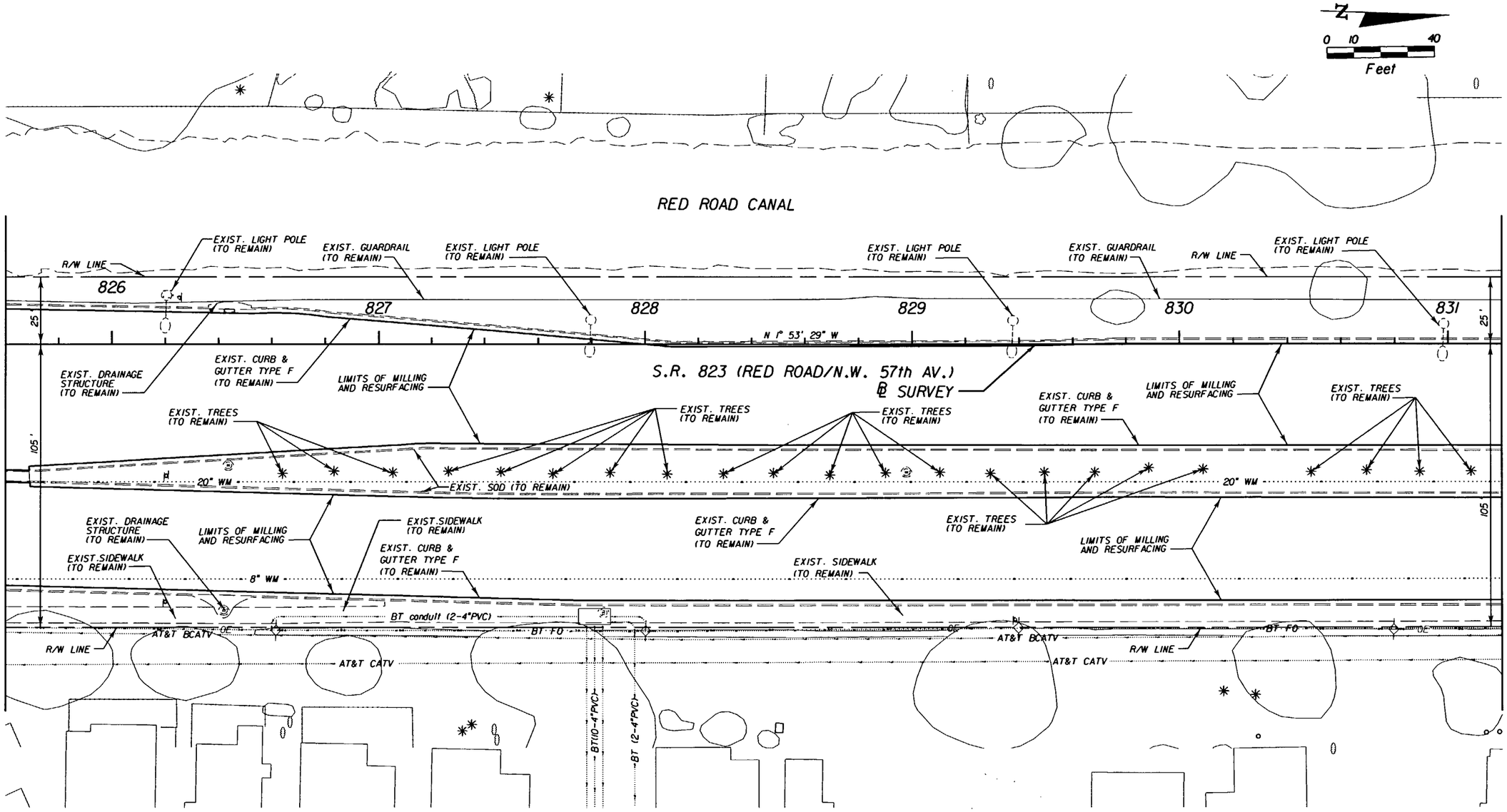

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ROADWAY PLAN

SHEET NO. 14

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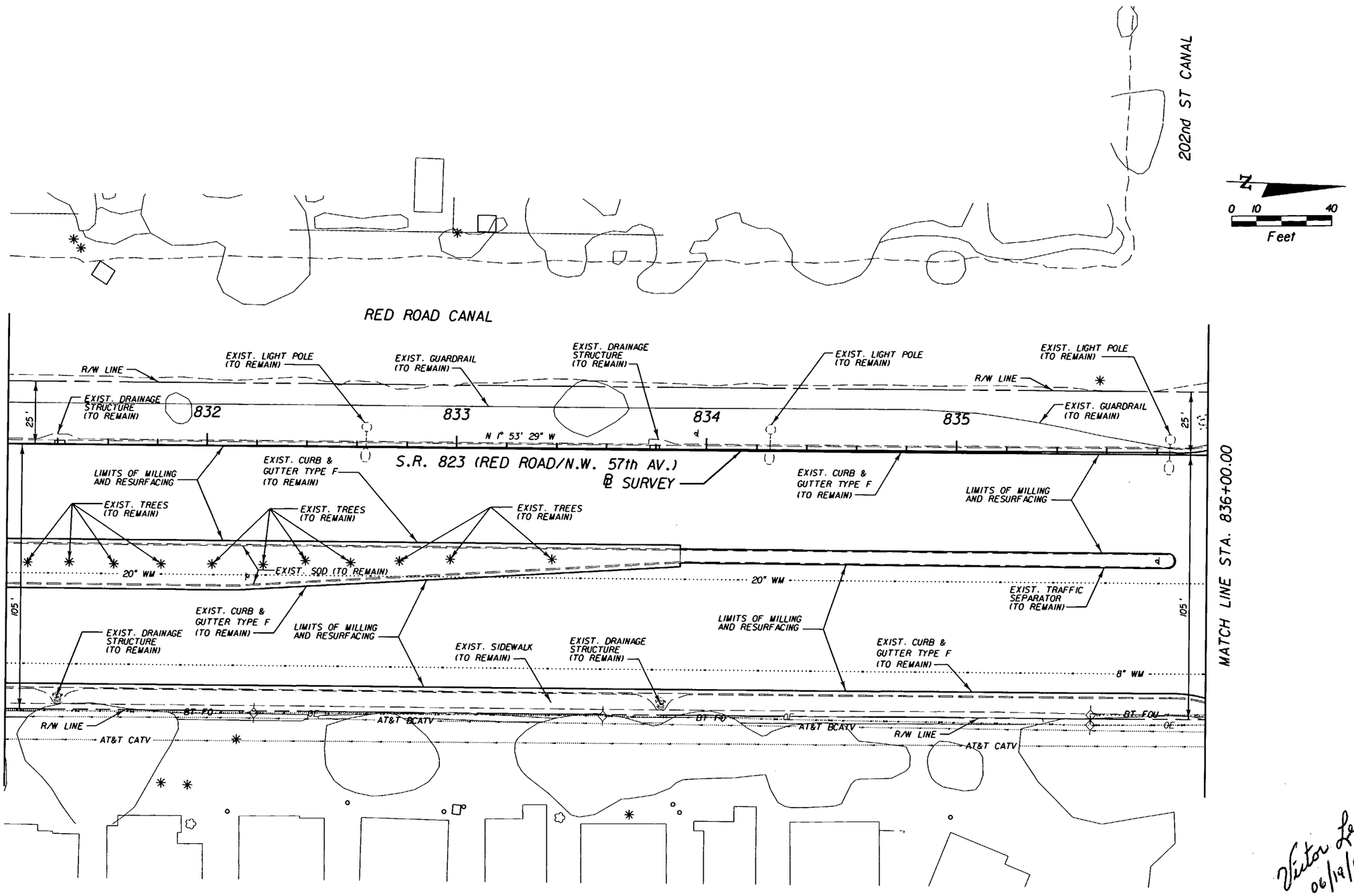

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ROADWAY PLAN

SHEET NO. 15

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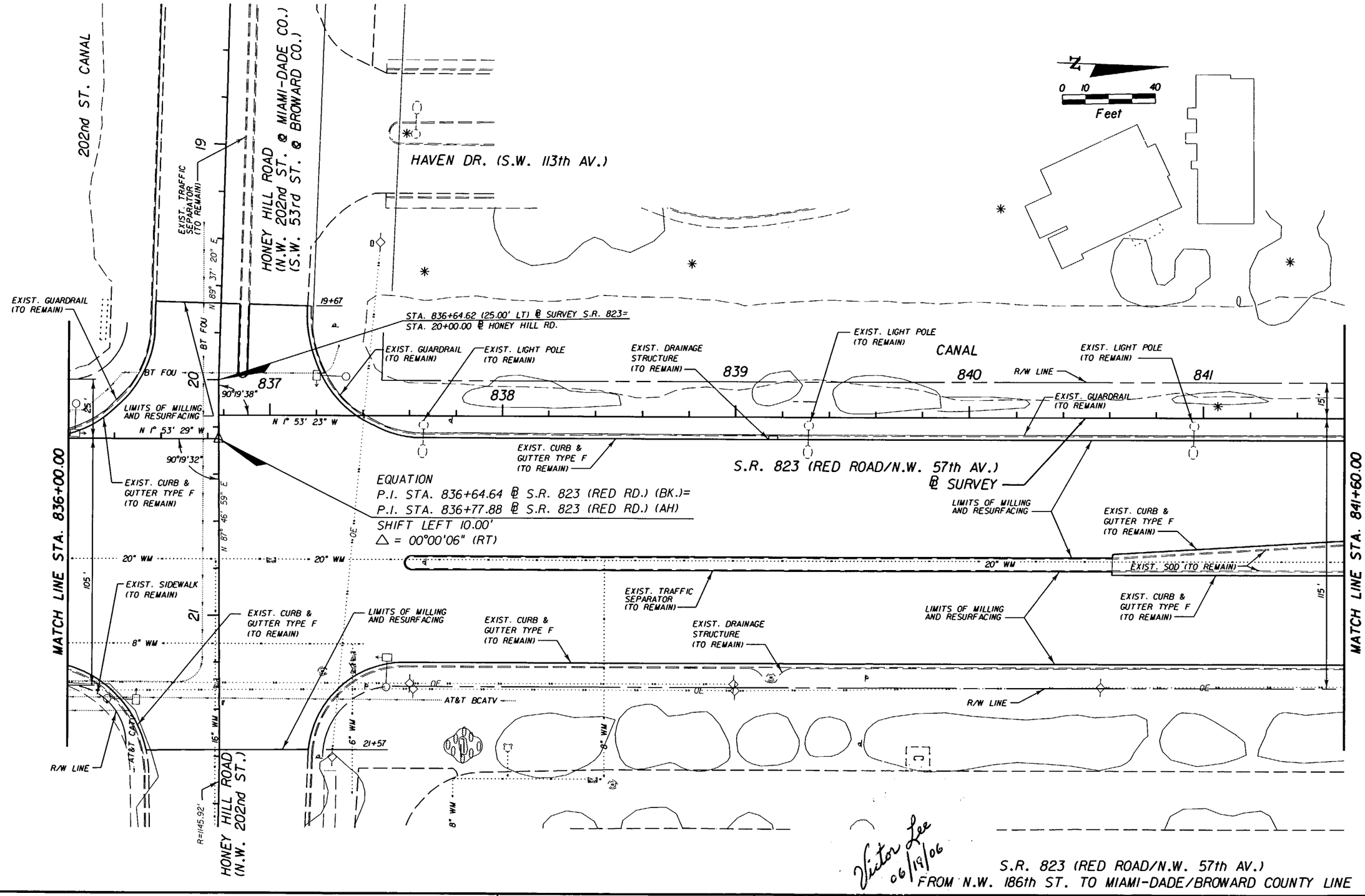

Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 16

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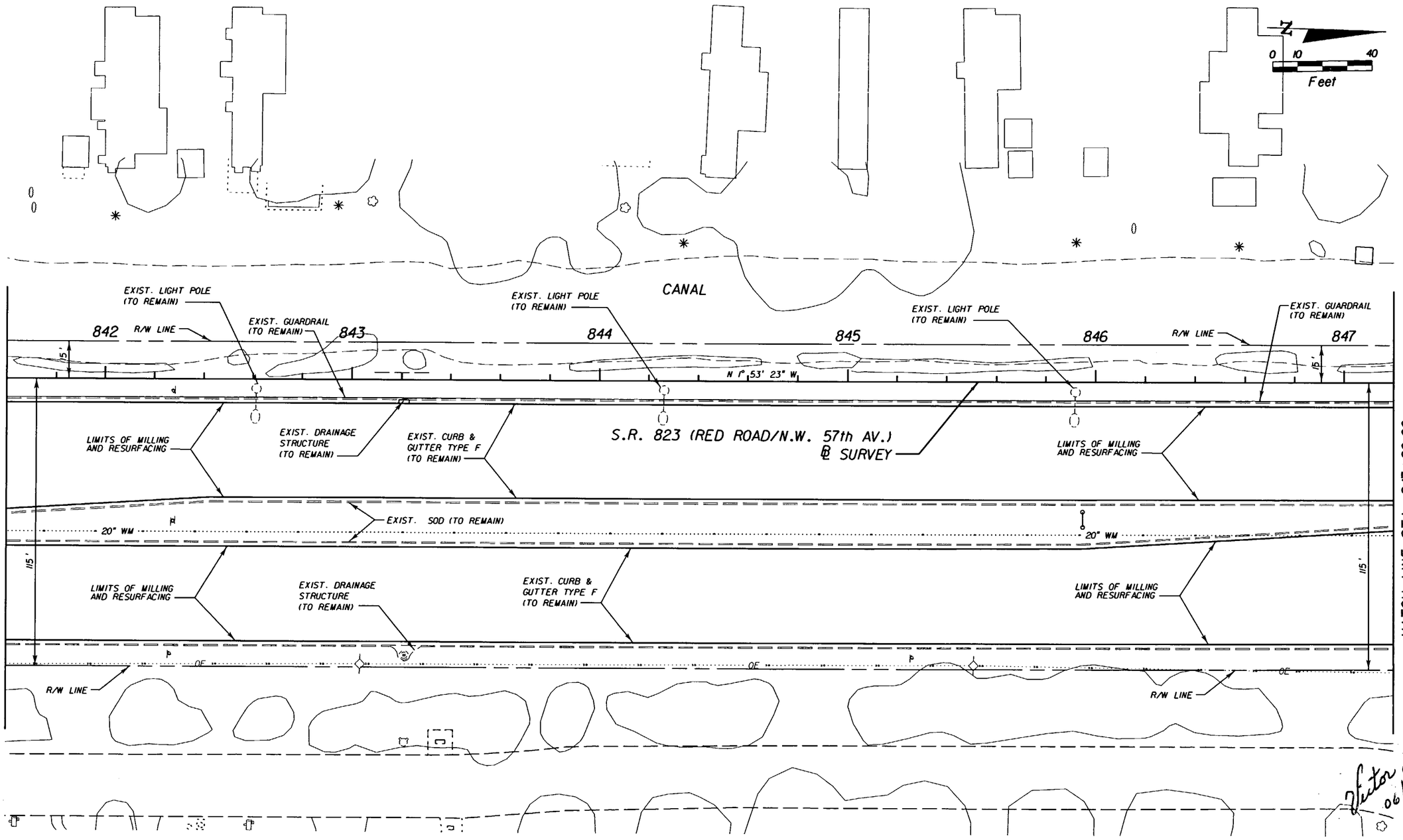

Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 17

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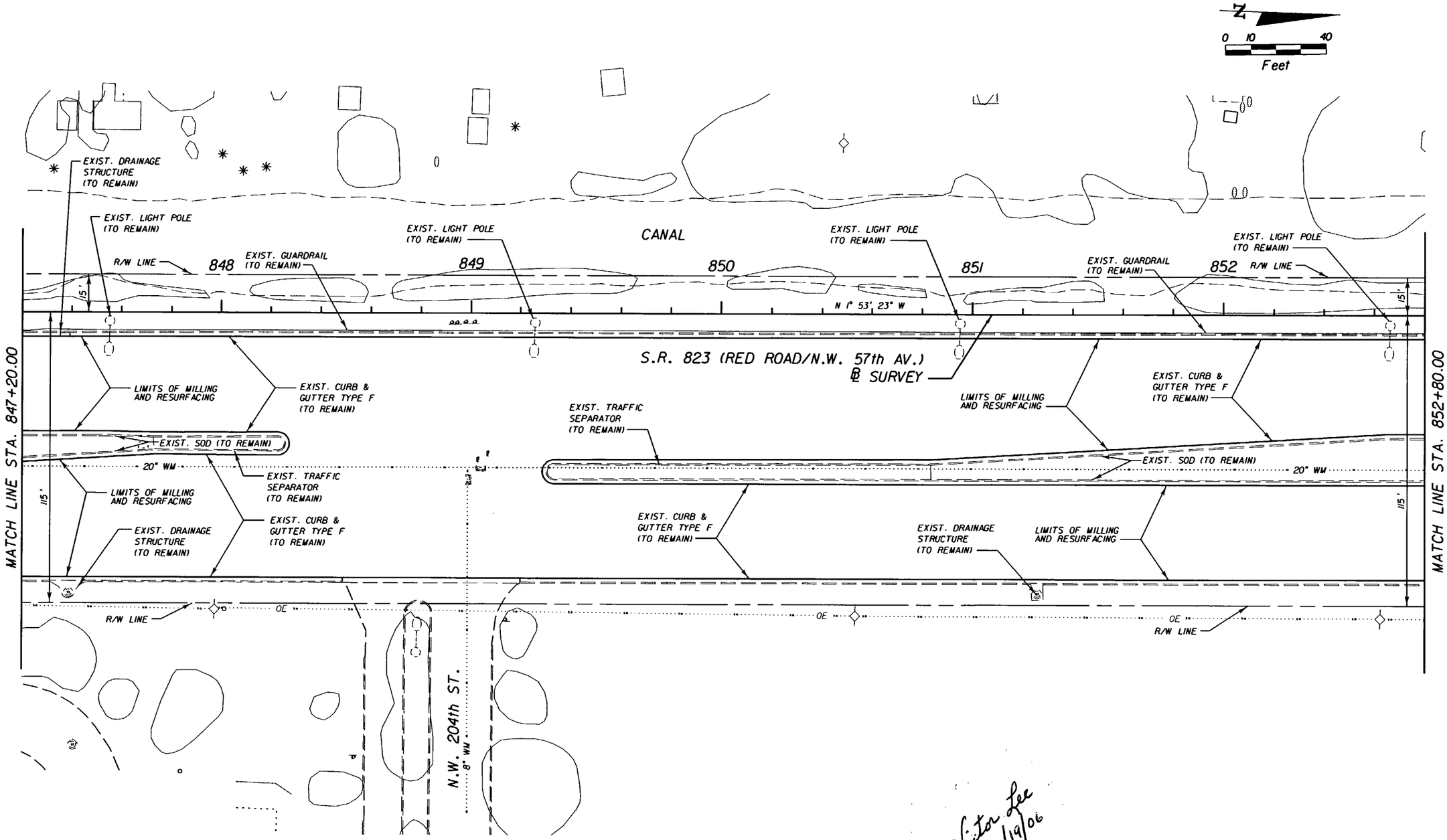

Victor Lee
06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 18

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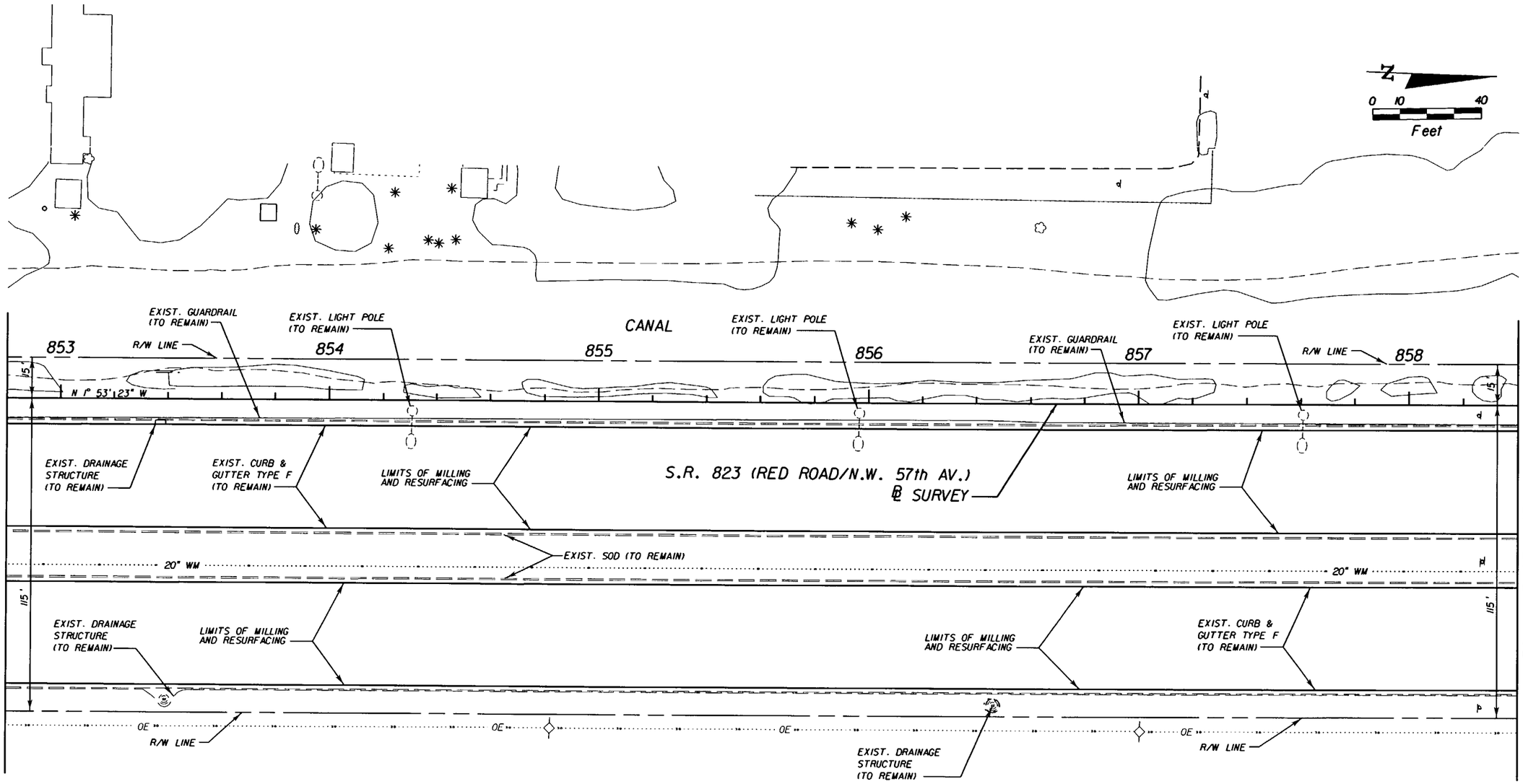

Victor Lee
06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 19

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BEGIN BRIDGE
END MILLING AND RESURFACING
STA. 862+79.12

N
0 10 40
Feet

SNAKE CREEK CANAL

CANAL

R/W LINE

859 860 861 862 863

EXIST. LIGHT POLE (TO REMAIN)
EXIST. GUARDRAIL (TO REMAIN)
EXIST. LIGHT POLE (TO REMAIN)
EXIST. LIGHT POLE (TO REMAIN)

N 1° 53' 23" W

EXIST. CURB & GUTTER TYPE F (TO REMAIN)
EXIST. DRAINAGE STRUCTURE (TO REMAIN)
LIMITS OF MILLING AND RESURFACING
EXIST. DRAINAGE STRUCTURE (TO REMAIN)
℄ SURVEY
LIMITS OF MILLING AND RESURFACING
APPROACH SLAB

S.R. 823 (RED ROAD/N.W. 57th AV.)

MATCH LINE STA. 858+40.00

EXIST. SOD (TO REMAIN)

20" WM

115'

LIMITS OF MILLING AND RESURFACING
EXIST. DRAINAGE STRUCTURE (TO REMAIN)
EXIST. CURB & GUTTER TYPE F (TO REMAIN)
LIMITS OF MILLING AND RESURFACING
APPROACH SLAB

OE

R/W LINE
EXIST. GUARDRAIL (TO REMAIN)

12" WM
8" WM
8" WM

N.W. 206th TERR.
N.W. 206th LN.

R/W LINE
SNAKE CREEK CANAL

MATCH LINE STA. 864+00.00

55'
150'

Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 20

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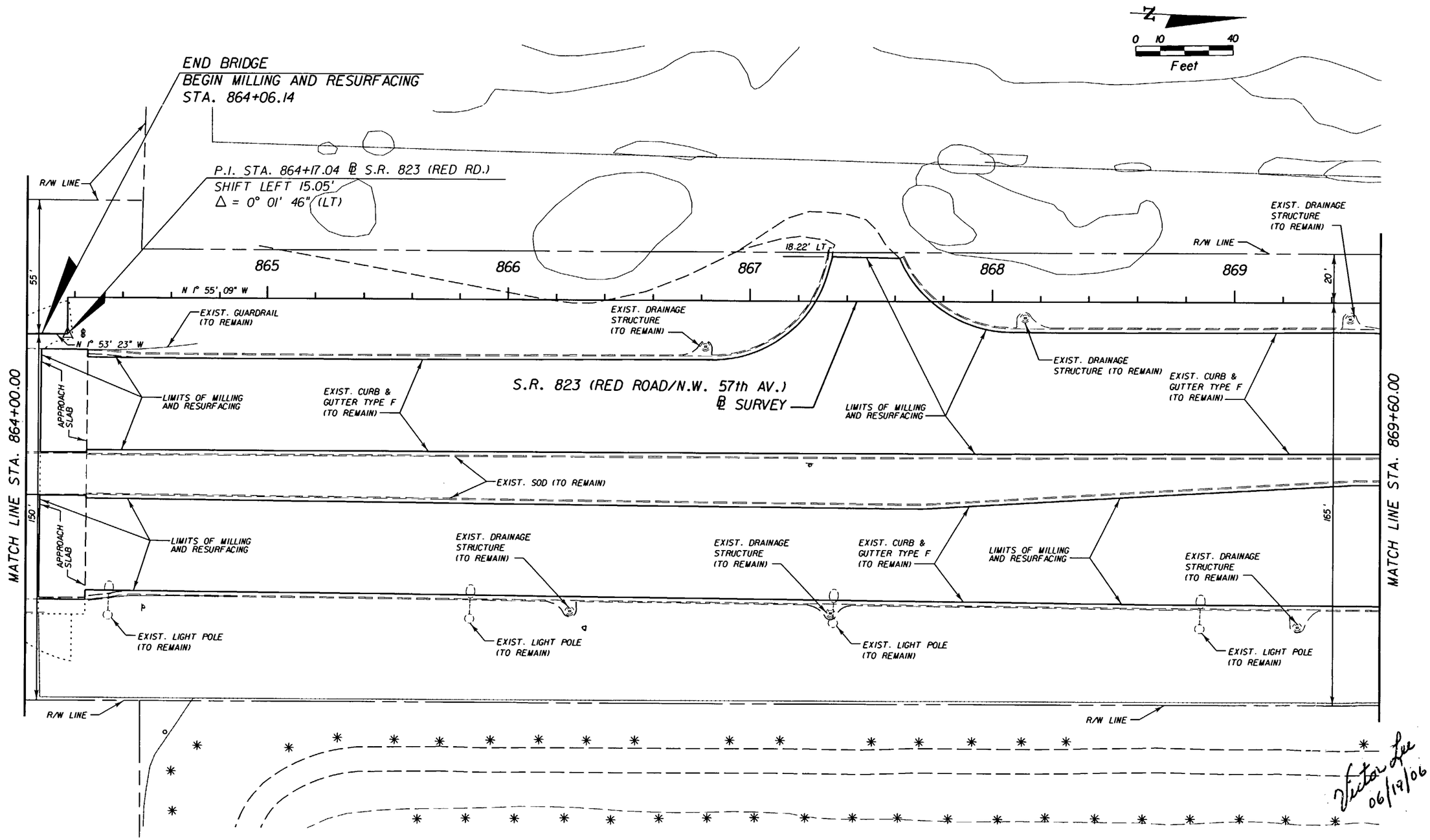

Victor Lee 06/17/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 21

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END PROJECT
END MILLING AND RESURFACING
STA. 873+36.00

N

0 10 40
Feet

MATCH LINE STA. 869+60.00

870 871 872 873 874 875

R/W LINE

20' LT

14' LT

20'

165'

N 1° 55' 09" W

EXIST. CURB & GUTTER TYPE F (TO REMAIN)

LIMITS OF MILLING AND RESURFACING

EXIST. DRAINAGE STRUCTURE (TO REMAIN)

℄ SURVEY

S.R. 823 (RED ROAD/N.W. 57th AV.)

EXIST. SOD (TO REMAIN)

EXIST. LIGHT POLE (TO REMAIN)

Victor Lee
06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-24-05	VL	REVISE END PROJECT LIMITS			

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 22

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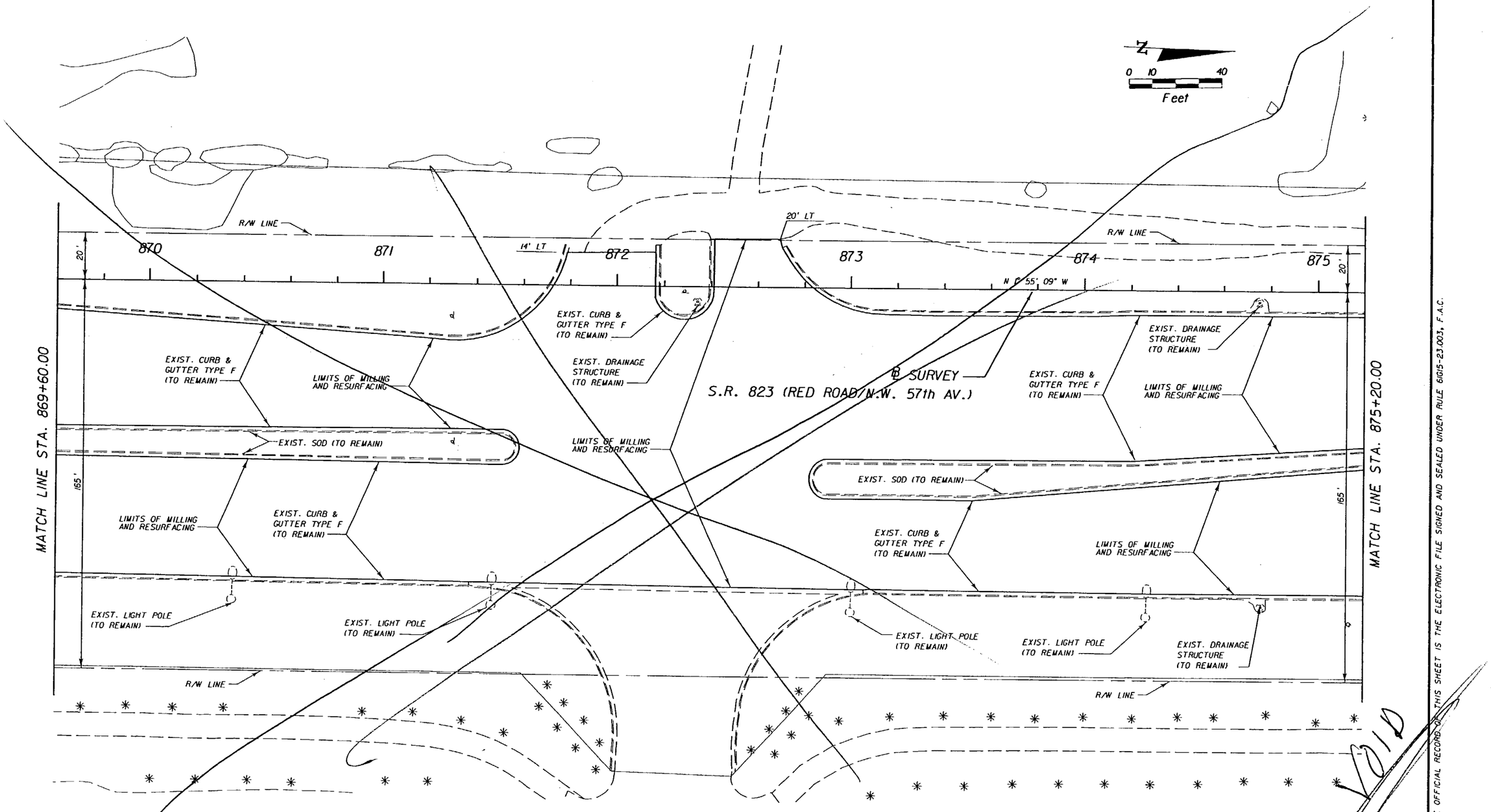

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

ROADWAY PLAN

SHEET NO. 22

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GENERAL:

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA D.O.T. DESIGN STANDARDS (600 SERIES), THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AS MINIMUM CRITERIA.

2. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHOLES THAT DEVELOP WITHIN THE PROJECT LIMITS AND WILL MAINTAIN A SUPPLY OF COLD MIX ON THE PROJECT SITE TO EXPEDITE THOSE REPAIRS. COST OF REPAIR TO BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.

3. NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO CLOSURE OR DETOUR BY SUBMITTING THE REQUIRED LANE CLOSURE FORM, SKETCHES, CALCULATIONS, AND OTHER DATA THROUGH THE ENGINEER TO THE DISTRICT TRAFFIC OPERATIONS OFFICE.

4. AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSURE CAUSES EXTENDED CONGESTION OR DELAY, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME THAT THE TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL.

5. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.

6. LANE CLOSURES SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENT DAYS/NIGHTS/WEEKENDS. NON-PEAK HOURS ARE:
   9:00 AM TO 3:30 PM - WEEKDAYS AND WEEKENDS.

   TWO LANES IN ONE DIRECTION MAY BE CLOSED BETWEEN THE HOURS OF 10:00 PM AND 5:30 AM FOR MILLING, RESURFACING, PLACING CONDUIT ACROSS N.W. 57th AVE. AND PAVEMENT STRIPING.

7. THE CONTRACTOR SHALL KEEP ALL EXISTING LANES OPEN DURING PEAK HOURS.

8. REGULATORY SPEED ESTABLISHED WITHIN WORK ZONE TRAVEL WAYS SHALL BE :
   - N.W. 57th AVE. = 45 M.P.H.

9. AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL COVER WORK ZONE SIGNS WHEN CONDITIONS NO LONGER WARRANT THEIR USE. COST OF COVERING AND UNCOVERING THE SIGNS SHALL BE INCLUDED IN PAY ITEM NO. 102-1, MAINTENANCE OF TRAFFIC.

10. CONTRACTOR SHALL REMOVE, RELOCATE OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION. COST OF TEMPORARILY REMOVING, RELOCATING, COVERING AND RESTORING THE SIGNS SHALL BE INCLUDED IN PAY ITEM NO. 102-1, MAINTENANCE OF TRAFFIC.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORM WATER FROM ROADWAYS UTILIZED FOR MAINTAINING TRAFFIC IN A MANNER APPROVED BY THE ENGINEER. COST FOR REMOVING THE WATER SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.

12. THE CONTRACTOR SHALL INSTALL PUBLIC INFORMATION SIGNS (SEE SHEET No. 25A) AT THE LOCATIONS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REMOVE THESE SIGNS AT THE COMPLETION OF THE CONTRACT. COST SHALL BE INCLUDED IN PAY ITEM 102-1.

DROP OFFS:

13. FOR DROP OFFS, THE CONTRACTOR'S ATTENTION IS DIRECTED TO STANDARD INDEX NO. 600, SHEET 7 OF 10. THE CONTRACTOR SHALL USE SHOULDER TREATMENT DETAIL WHEN NO BARRIERS ARE REQUIRED IN THE PLANS.

MARKINGS:

14. THE CONTRACTOR SHALL REMOVE ANY EXISTING OR TEMPORARY PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. GRINDING OR MILLING SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS. COST OF REMOVAL OF TEMPORARY PAVEMENT MARKINGS, REGARDLESS OF METHOD, IS INCLUDED IN THE RELATED PAVEMENT MARKING PAY ITEMS. USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED.

15. TEMPORARY LANE TRANSITIONS, SHIFTS, AND CROSSOVERS SHALL HAVE SOLID LANE AND EDGE LINES FOR THE LENGTH OF THE TRANSITION, SHIFT OR CROSSOVER. IN ADDITION, SOLID LANE AND EDGE LINES SHALL EXTEND 100 FT ON TANGENT BEYOND EACH END OF THE TRANSITION, SHIFT OR CROSSOVER. EXCEPTION SHALL BE THROUGH INTERSECTIONS WHERE 2 - 4 FT SKIP LINES WILL BE PLACED.

16. TEMPORARY RAISED PAVEMENT MARKERS (RPMs) SHALL BE INSTALLED ON THE EDGE, CENTER, AND LANE LINES OF ALL CROSSOVERS, TRANSITIONS, AND TANGENT SECTIONS WITHIN THE WORK ZONE WHERE THE VEHICLE PATHS ARE ALTERED. THE SPACING FOR THESE RPMs SHALL BE 40 FT ON CENTERS FOR THE TANGENT SECTIONS AND 5 FT FOR TRANSITIONS, CURVES, AND CROSSOVERS. THE RPMs SHALL EXTEND 100 FT ON THE TANGENT SECTION BEYOND EACH END OF THESE CROSSOVERS OR TRANSITION AREAS. COST OF THE TEMPORARY RPMs SHALL BE INCLUDED IN PAY ITEM 102-78, TEMPORARY REFLECTIVE PAVEMENT MARKER.

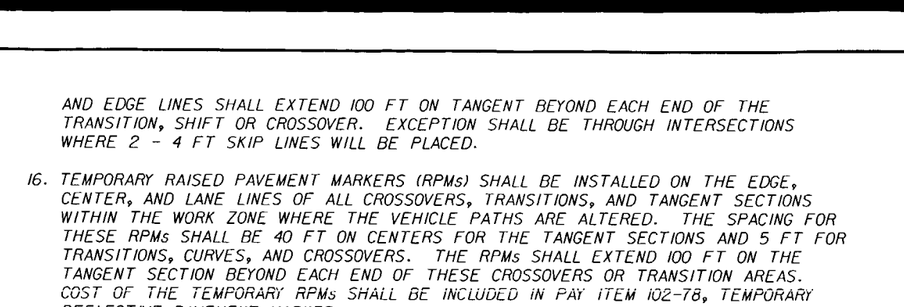
SIGNALS:

17. THE CONTRACTOR SHALL NOTIFY MIAMI DADE COUNTY SIGNS AND SIGNALS DIVISION LOCATED AT 7100 N.W. 36th STREET MIAMI, FLORIDA 33166 AND PHONE NO. (305) 592-3470, 48 HOURS PRIOR TO ANY MODIFICATION OF AN EXISTING TRAFFIC SIGNAL SYSTEM. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE MAINTENANCE OF THE EXISTING OR TEMPORARY TRAFFIC SIGNAL(S) WITHIN THE PROJECT LIMITS. COST OF RELOCATING TRAFFIC SIGNAL HEADS, PROVIDING AND REMOVING TEMPORARY SIGNALS, AND MAINTAINING THE EXISTING OR TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.

18. THE CONTRACTOR SHALL MAINTAIN ONLINE COMMUNICATION OF EXISTING OR TEMPORARY SIGNALIZATION VIA INTERCONNECT OR PHONE LINE DURING CONSTRUCTION. CONTRACTORS SHALL PROVIDE TEMPORARY LINES AND CONNECTIONS IF NECESSARY. COST OF MAINTAINING COMMUNICATION, INCLUDING TEMPORARY LINES AND CONNECTIONS SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.

PEDESTRIANS, BICYCLES, AND WHEELCHAIRS:

19. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROPOFF GREATER THAN 6 IN ADJACENT TO THE PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH WITH THE SAID PATHS OR PROTECTED WITH TEMPORARY FENCE, CONCRETE BARRIER WALL OR APPROVED HANDRAIL. COST SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.



Victor Lee 06/19/06

TYPICAL SECTIONS
SR 823 (N.W. 57AVE.)
N.T.S.

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-24-05	VL	REVISE NOTE NO. 17			

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

TRAFFIC CONTROL PLANS GENERAL NOTES

SHEET NO. 25

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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

GENERAL:

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA D.O.T. DESIGN STANDARDS (600 SERIES), THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AS MINIMUM CRITERIA.

2. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHOLES THAT DEVELOP WITHIN THE PROJECT LIMITS AND WILL MAINTAIN A SUPPLY OF COLD MIX ON THE PROJECT SITE TO EXPEDITE THOSE REPAIRS. COST OF REPAIR TO BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.

3. NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO CLOSURE OR DETOUR BY SUBMITTING THE REQUIRED LANE CLOSURE FORM, SKETCHES, CALCULATIONS, AND OTHER DATA THROUGH THE ENGINEER TO THE DISTRICT TRAFFIC OPERATIONS OFFICE.

4. AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSURE CAUSES EXTENDED CONGESTION OR DELAY, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME THAT THE TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL.

5. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.

6. LANE CLOSURES SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENT DAYS/NIGHTS/WEEKENDS. NON-PEAK HOURS ARE:
   9:00 AM TO 3:30 PM - WEEKDAYS AND WEEKENDS.

   TWO LANES IN ONE DIRECTION MAY BE CLOSED BETWEEN THE HOURS OF 10:00 PM AND 5:30 AM FOR MILLING, RESURFACING, PLACING CONDUIT ACROSS N.W. 57th AVE. AND PAVEMENT STRIPING.

7. THE CONTRACTOR SHALL KEEP ALL EXISTING LANES OPEN DURING PEAK HOURS.

8. REGULATORY SPEED ESTABLISHED WITHIN WORK ZONE TRAVEL WAYS SHALL BE :
   - N.W. 57th AVE. = 45 M.P.H.

9. AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL COVER WORK ZONE SIGNS WHEN CONDITIONS NO LONGER WARRANT THEIR USE. COST OF COVERING AND UNCOVERING THE SIGNS SHALL BE INCLUDED IN PAY ITEM NO. 102-1, MAINTENANCE OF TRAFFIC.

10. CONTRACTOR SHALL REMOVE, RELOCATE OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION. COST OF TEMPORARILY REMOVING, RELOCATING, COVERING AND RESTORING THE SIGNS SHALL BE INCLUDED IN PAY ITEM NO. 102-1, MAINTENANCE OF TRAFFIC.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORM WATER FROM ROADWAYS UTILIZED FOR MAINTAINING TRAFFIC IN A MANNER APPROVED BY THE ENGINEER. COST FOR REMOVING THE WATER SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.

12. THE CONTRACTOR SHALL INSTALL PUBLIC INFORMATION SIGNS (SEE SHEET No. 25A) AT THE LOCATIONS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REMOVE THESE SIGNS AT THE COMPLETION OF THE CONTRACT. COST SHALL BE INCLUDED IN PAY ITEM 102-1.

DROP OFFS:

13. FOR DROP OFFS, THE CONTRACTOR'S ATTENTION IS DIRECTED TO STANDARD INDEX NO. 600, SHEET 7 OF 10. THE CONTRACTOR SHALL USE SHOULDER TREATMENT DETAIL WHEN NO BARRIERS ARE REQUIRED IN THE PLANS.

MARKINGS:

14. THE CONTRACTOR SHALL REMOVE ANY EXISTING OR TEMPORARY PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. GRINDING OR MILLING SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS. COST OF REMOVAL OF TEMPORARY PAVEMENT MARKINGS, REGARDLESS OF METHOD, IS INCLUDED IN THE RELATED PAVEMENT MARKING PAY ITEMS. USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED.

15. TEMPORARY LANE TRANSITIONS, SHIFTS, AND CROSSOVERS SHALL HAVE SOLID LANE AND EDGE LINES FOR THE LENGTH OF THE TRANSITION, SHIFT OR CROSSOVER. IN ADDITION, SOLID LANE AND EDGE LINES SHALL EXTEND 100 FT ON TANGENT BEYOND EACH END OF THE TRANSITION, SHIFT OR CROSSOVER. EXCEPTION SHALL BE THROUGH INTERSECTIONS WHERE 2 - 4 FT SKIP LINES WILL BE PLACED.

16. TEMPORARY RAISED PAVEMENT MARKERS (RPMs) SHALL BE INSTALLED ON THE EDGE, CENTER, AND LANE LINES OF ALL CROSSOVERS, TRANSITIONS, AND TANGENT SECTIONS WITHIN THE WORK ZONE WHERE THE VEHICLE PATHS ARE ALTERED. THE SPACING FOR THESE RPMs SHALL BE 40 FT ON CENTERS FOR THE TANGENT SECTIONS AND 5 FT FOR TRANSITIONS, CURVES, AND CROSSOVERS. THE RPMs SHALL EXTEND 100 FT ON THE TANGENT SECTION BEYOND EACH END OF THESE CROSSOVERS OR TRANSITION AREAS. COST OF THE TEMPORARY RPMs SHALL BE INCLUDED IN PAY ITEM 102-78, TEMPORARY REFLECTIVE PAVEMENT MARKER.

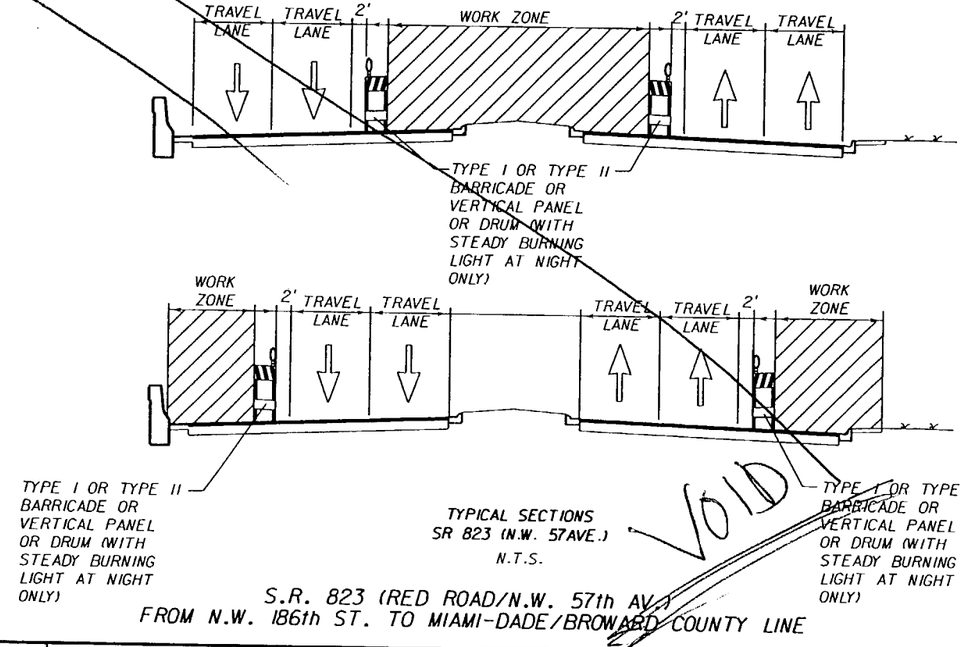
SIGNALS:

17. THE CONTRACTOR SHALL NOTIFY MIAMI DADE COUNTY SIGNS AND SIGNALS DIVISION LOCATED AT 7100 N.W. 36th STREET MIAMI, FLORIDA 33166 AND PHONE NO. (305) 592-3470, 48 HOURS PRIOR TO ANY MODIFICATION OF AN EXISTING TRAFFIC SIGNAL SYSTEM, EXCEPT AT THE INTERSECTION OF N.W. 57th AVENUE AND THE FLORIDA'S TURNPIKE RAMPS, WHERE THE CONTRACTOR SHALL NOTIFY ITS MAINTAINING AGENCY, THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, 2300 W. COMMERCIAL BLVD., FT. LAUDERDALE, FLORIDA 33309. PHONE NO. (954) 484-9600. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE MAINTENANCE OF THE EXISTING OR TEMPORARY TRAFFIC SIGNAL(S) WITHIN THE PROJECT LIMITS. COST OF RELOCATING TRAFFIC SIGNAL HEADS, PROVIDING AND REMOVING TEMPORARY SIGNALS, AND MAINTAINING THE EXISTING OR TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.

18. THE CONTRACTOR SHALL MAINTAIN ONLINE COMMUNICATION OF EXISTING OR TEMPORARY SIGNALIZATION VIA INTERCONNECT OR PHONE LINE DURING CONSTRUCTION. CONTRACTORS SHALL PROVIDE TEMPORARY LINES AND CONNECTIONS IF NECESSARY. COST OF MAINTAINING COMMUNICATION, INCLUDING TEMPORARY LINES AND CONNECTIONS SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.

PEDESTRIANS, BICYCLES, AND WHEELCHAIRS:

19. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROPOFF GREATER THAN 6 IN ADJACENT TO THE PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH WITH THE SAID PATHS OR PROTECTED WITH TEMPORARY FENCE, CONCRETE BARRIER WALL OR APPROVED HANDRAIL. COST SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.



TYPICAL SECTIONS
SR 823 (N.W. 57AVE.)
N.T.S.

VOID

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

TRAFFIC CONTROL PLANS
GENERAL NOTES

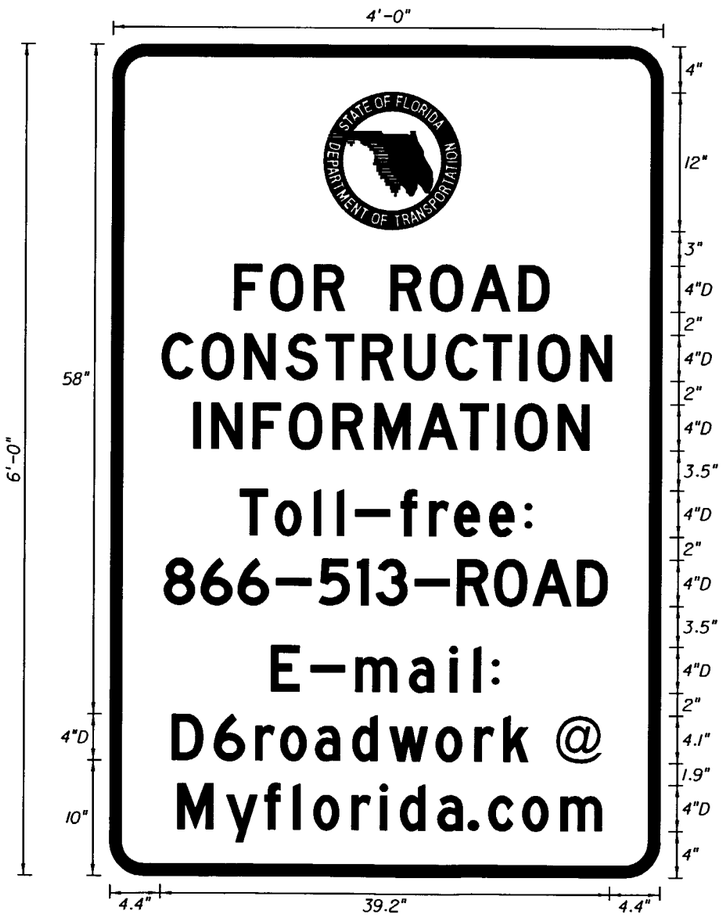
SHEET NO. 25

USER: ArmandoL 12/08/2004 04:43:20 PM u:\proj\03\03141\414617\signing\gnntcp01.dgn

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

SIGN NAME	FTPSPC
QUANTITY	2
WIDTH	4'-0"
HEIGHT	6'-0"
BORDER WIDTH	1"
BORDER RADII	3"
BACKGROUND COLOR	Blue
LEGEND & BORDER COLOR	White

COPY		F	O	R		R	O	A	D														
SPACE	10.5	3.2	3.8	2.7	4	3.5	3.6	4.1	2.7	9.9													
COPY		C	O	N	S	T	R	U	C	T	I	O	N										
SPACE	4.3	3.5	3.8	3.6	3.5	3.2	3.6	3.6	3.2	3.2	1.6	3.8	2.7	4.4									
COPY		I	N	F	O	R	M	A	T	I	O	N											
SPACE	7.0	1.6	3.6	3.2	3.8	3.6	3.9	3.6	3.2	1.6	3.8	2.7	6.4										
COPY		T	o	l	l	-	f	r	e	e	:												
SPACE	11.3	3.1	3.3	2	1.6	4	2.5	2.2	3	3.1	0.6	11.3											
COPY		8	6	6	-	5	1	3	-	R	O	A	D										
SPACE	4.6	3.2	3.2	3.4	3.7	3.4	1.6	3.4	3.7	3.2	3.4	3.9	2.7	4.6									
COPY		E	-	m	a	l	l	:															
SPACE	14.0	3.4	4	4.7	3.5	2.1	1.6	0.6	14.1														
COPY		D	6	r	o	a	d	w	o	r	k	@											
SPACE	5.5	3.6	3.7	2.2	3	3.3	3.2	4	3.3	2.5	3.1	3.8	6.8										
COPY		M	y	f	l	o	r	l	d	a	.	c	o	m									
SPACE	5.7	4.3	3.4	2.5	1.8	3.3	2.5	1.8	3.3	2.6	1.8	3	3.3	3.6	5.1								
COPY																							
SPACE																							
COPY																							
SPACE																							



Victor Lee
06/19/06

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

TRAFFIC CONTROL PLANS
GUIDE SIGN WORK SHEET

SHEET NO. 25A

USER: ArmandoL 12/08/2004 04:47:10 PM u:\proj\03\0314\414617\signing\gswksp02.dgn

GENERAL NOTES:

1. ALL SIGNING AND PAVEMENT MARKINGS INSTALLED AS PART OF THESE PLANS SHALL CONFORM TO THE 2003 EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS (2004). ALL SIGN PANELS SHALL BE FABRICATED TO COMPLY WITH THE MOST RECENT EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION STANDARD HIGHWAY SIGNS.

2. MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND THE END OF THE PROJECT AND AT ALL SIDE STREETS WITHOUT JOGS AND OFFSETS.

3. SIGN ASSEMBLY LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, WHEELCHAIR RAMPS, ETC., MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE ENGINEER. EXTREME LOCATION CHANGES MUST BE APPROVED BY THE DISTRICT TRAFFIC OPERATIONS DEPARTMENT.

4. INCORRECTLY PLACED PAINT MARKINGS OVER FRICTION COURSE WILL BE REMOVED BY MILLING AND REPLACING THE FRICTION COURSE A MINIMUM WIDTH OF 18 IN. AT THE CONTRACTOR'S EXPENSE. THE ENGINEER MAY APPROVE AN ALTERNATIVE METHOD IF IT CAN BE DEMONSTRATED TO COMPLETELY REMOVE THE MARKINGS WITHOUT DAMAGING THE ASPHALT.

5. THE CONTRACTOR SHALL SUBMIT A LIST OF THE EXISTING SIGNS TO THE PROJECT ENGINEER AT THE PRE-CONSTRUCTION CONFERENCE. ANY LOST OR DAMAGED DURING CONSTRUCTION SIGNS SHALL BE REPLACED AT NO ADDITIONAL COST. COST OF MAINTAINING EXISTING SIGNS TO BE INCLUDED IN ITEM 102-1, MAINTENANCE OF TRAFFIC.

6. THE MEDIAN NOSES SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT.

7. EXTRUDED ALUMINUM SIGN SUPPORT CLAMPS ARE NOT ACCEPTABLE. ALL RELOCATED SIGNS MUST COMPLY WITH THE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND ROADWAY DESIGN AND TRAFFIC STANDARDS AS IF THEY WERE NEW SIGNS. IF EXISTING CLAMPS, BRACKETS, POLES, ETC. NEED TO BE REPLACED THE COST SHALL BE INCLUDED IN THE RELOCATION PAY ITEMS.

Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND MARKING GENERAL NOTES

SHEET NO. 26

USER: ArmandoL 12/08/2004 04:48:34 PM u:\proj\03\03141\414617\signing\gnntsp01.dgn

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
			30		31		32		33		34		35		36						
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
700-40-1	SIGN SINGLE POST (LESS THAN 12)	AS																			
	R1-1 (30"x30")																				
	R7-4 (12"x18")		1	1					1	1			1	1							
	R2-1 (24" x 30")				1	1	2	2									8	3 / 3 / 2	3 / 3 / 2	3 / 3 / 2	
	R6-3 (30"x24")		1	1					1	1											
	R1-2 (36"x36"x36")																				
	R1-1 (30"x30"); R6-3 (30" x 24")																				
700-40-2	SIGN SINGLE-POST (12 - 25)	AS															0				
	R3-5 (30"x36"); R1-1 (30"x30")																				
700-41-10	SIGN MULTI POST (50 OR LESS)	AS															4				
	No. 1; 2; 3 (6' x 3'); 4 (6' x 3.5')		1	1			1	1					1	1	1	1					
700-46-21	SIGN EXISTING (RELOCATE) (SINGLE POST)	AS	1	1					1	1							2	2	2	2	
700-48-18	SIGN PANEL (FURNISH & INSTALL) & (15 OR LESS)	EA															5	3 / 1 / 1 = 5	5	3 / 1 / 1 = 5	
	R7-4 (12"x18")		1	1					1	1			1	1							
	R2-1 (24"x30")				1	1															
	R6-3 (30"x24")								1	1											
705-10-11	MARKER OBJECT (POST MOUNTED) (TYPE 1)	EA															3	3	3	3	
	OMI-1 (18" x 18")		3	3																	
*	MARKER PAVEMENT RETRO-REFLECTIVE	EA															486	46 / 88 / 352	46 / 88 / 352	46 / 88 / 352	
	MONODIRECTIONAL YELLOW		19	19	27	27															
	BI-DIRECTIONAL YELLOW		30	30					58	58											
	BI-DIRECTIONAL WHITE/RED		42	42	73	73	64	64	47	47	56	56	56	56	14	14					
*	GUIDELINES, PAINT (DOTTED, WHITE)	LF															0				
*	GUIDELINES, PAINT (DOTTED, YELLOW)	LF															0				
*	DIRECTIONAL ARROWS, PAINTED	EA	1	1	4				5								10				
*	PAVEMENT MESSAGES, PAINTED	EA															0				
*	TRAFFIC STRIPE SKIP (WHITE/BLACK/BLUE)	GM	0.317	0.317	0.253	0.253	0.362	0.362	0.352	0.352	0.424	0.424	0.424	0.424	0.073	0.073	2.205	2.205	2.205	2.205	
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(6")	NM	0.151	0.151	0.341	0.341	0.251	0.251	0.271	0.271	0.212	0.212	0.212	0.212	0.046	0.046	1.484	1.484	1.484	1.484	
*	TRAFFIC SOLID STRIPE (YELLOW)(6")	NM	0.154	0.154	0.167	0.167	0.174	0.174	0.208	0.208	0.212	0.212	0.212	0.212	0.035	0.035	1.162	1.162	1.162	1.162	
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(8")	LF															0				
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(12")	LF	84	84	126	126			120	120							330	330	330	330	
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(18")	LF															0	0	0	0	
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(24")	LF	21	21	93	93			54	54							168	168	168	168	
*	TRAFFIC SOLID STRIPE (YELLOW)(18")	LF	15	15					36	36							51	51	51	51	
*	REFLECTIVE PAINT (ISLAND NOSE) (YELLOW)	SY	3	3	1	1			1	1							5	5	5	5	

* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM No. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION. SEE SPECIFICATION SECTION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

Victor Lee 06/19/06

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND MARKING TABULATION OF QUANTITIES

SHEET NO. 27

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

SEE PAGE 29 FOR GRAND TOTAL

USER: ArmandoL 12/08/2004 04:49:58 PM u:\proj\03\0314\414617\Signing\tabqsp01.dgn

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		PAGE GRAND TOTAL		REF. SHEET
			37		38		39		40		41		42		43						
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
700-40-1	SIGN SINGLE POST (LESS THAN 12)	AS															7	6 1 7			
	R1-1 (30"x30")																				
	R7-4 (12"x18")				2	2 ✓			2	2 ✓			2	2 ✓							
	R2-1 (24" x 30")																				
	R6-3 (30"x24")																				
	R1-2 (36"x36"x36")		1	1 ✓																	
	R1-1 (30"x30"); R6-3 (30" x 24")																				
700-40-2	SIGN SINGLE-POST (12 - 25)	AS															0				
	R3-5 (30"x36"); R1-1 (30"x30")																				
700-41-10	SIGN MULTI POST (50 OR LESS)	AS															2	2 ✓			
	No. 1; 2; 3 (6' x 3'); 4 (6' x 3.5')		1	1 ✓	1	1 ✓															
700-46-21	SIGN EXISTING (RELOCATE) (SINGLE POST)	AS															0				
700-48-18	SIGN PANEL (FURNISH & INSTALL) & (15 OR LESS)	EA															0	0			
	R7-4 (12"x18")																				
	R2-1 (24"x30")																				
	R6-3 (30"x24")																				
705-10-11	MARKER OBJECT (POST MOUNTED) (TYPE 1)	EA															0				
	OM1-1 (18" x 18")																				
*	MARKER PAVEMENT RETRO-REFLECTIVE	EA															633	63 85 185			
	MONODIRECTIONAL YELLOW		18	18									45	45							
	BI-DIRECTIONAL YELLOW		16	16			6	6	63	63											
	BI-DIRECTIONAL WHITE/RED		107	107	62	62	70	70	68	68	56	56	66	66	56	56					
*	GUIDELINES, PAINT (DOTTED, WHITE)	LF							85	85							85	85			
*	GUIDELINES, PAINT (DOTTED, YELLOW)	LF	37	37													37	37			
*	DIRECTIONAL ARROWS, PAINTED	EA			2	2	3	3	6	6			3	3			14	14			
*	PAVEMENT MESSAGES, PAINTED	EA							1	1							1	1			
*	TRAFFIC STRIPE SKIP (WHITE/BLACK/BLUE)	GM	0.309	0.309	0.476	0.476	0.319	0.319	0.297	0.297	0.464	0.464	0.469	0.469	0.424	0.424	2.758	2.758			
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(6")	NM	0.385	0.385	0.213	0.213	0.299	0.299	0.314	0.319	0.212	0.217	0.250	0.250	0.212	0.212	1.885	1.885			
*	TRAFFIC SOLID STRIPE (YELLOW)(6")	NM	0.190	0.190	0.213	0.213	0.187	0.187	0.206	0.206	0.214	0.214	0.176	0.176	0.212	0.212	1.398	1.398			
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(8")	LF	335	335	106	106											441	441			
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(12")	LF															0				
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(18")	LF	100	100													100	100			
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(24")	LF	129	129			48	48	148	148							325	325			
*	TRAFFIC SOLID STRIPE (YELLOW)(18")	LF	20	20			10	10	20	20							50	50			
*	REFLECTIVE PAINT (ISLAND NOSE) (YELLOW)	SY	2	2			1	1	1	1			2	2			6	6			

* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM No. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION. SEE SPECIFICATION SECTION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

Victor Lee
06/19/06

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND MARKING TABULATION OF QUANTITIES

SHEET NO. 28

TABULATION OF QUANTITIES

	PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS 44 PLAN	44 FINAL	45 PLAN	45 FINAL	46 PLAN	46 FINAL	TOTAL THIS SHEET PLAN	TOTAL THIS SHEET FINAL	GRAND TOTAL PLAN	GRAND TOTAL FINAL	REF. SHEET
	700-40-1	SIGN SINGLE POST (LESS THAN 12)												
		R1-1 (30"x30")												
		R7-4 (12"x18")	AS			2	2 ✓			3	2	18	18 ✓	
⚠		R2-1 (24" x 30")									3			
		R6-3 (30"x24")												
		R1-2 (36"x36"x36")												
		R1-1 (30"x30"); R6-3 (30" x 24")						1	1 ✓		1			
⚠	700-40-2	SIGN SINGLE-POST (12 - 25)												
		R3-5 (30"x36"); R1-1 (30"x30")	AS			1	1 ✓			1	1 ✓	1	1 ✓	
⚠	700-41-10	SIGN MULTI POST (50 OR LESS)												
		No. 1; 2; 3 (6' x 3'); 4 (6' x 3.5')	AS							0		6	6 ✓	
⚠	700-46-21	SIGN EXISTING (RELOCATE) (SINGLE POST)	AS							0		2	2 ✓	
	700-48-18	SIGN PANEL (FURNISH & INSTALL) & (15 OR LESS)												
		R7-4 (12"x18")	EA							0		5	5 ✓	
		R2-1 (24"x30")												
		R6-3 (30"x24")												
⚠	705-10-11	MARKER OBJECT (POST MOUNTED) (TYPE 1)												
		OMI-1 (18" x 18")	EA							0		3	3 ✓	
	*	MARKER PAVEMENT RETRO-REFLECTIVE												
		MONODIRECTIONAL YELLOW	EA					91	91	299	91	1,418	1418	
		BI-DIRECTIONAL YELLOW												
		BI-DIRECTIONAL WHITE/RED		56	56	84	84	68	68		208			
⚠	*	GUIDELINES, PAINT (DOTTED, WHITE)	LF							0		85	85	
	*	GUIDELINES, PAINT (DOTTED, YELLOW)	LF							0		37	37	
⚠	*	DIRECTIONAL ARROWS, PAINTED	EA			3	3	5	5	8	8	32	32	
⚠	*	PAVEMENT MESSAGES, PAINTED	EA							0		1	1	
⚠	*	TRAFFIC STRIPE SKIP (WHITE/BLACK/BLUE)	GM	0.424	0.424	0.424	0.424	0.316	0.316	1.164	1.164	6.127	6.127	
⚠	*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(6")	NM	0.212	0.212	0.216	0.216	0.144	0.144	0.572	0.572	3.941	3.941	
⚠	*	TRAFFIC SOLID STRIPE (YELLOW)(6")	NM	0.212	0.212	0.212	0.212	0.123	0.123	0.547	0.547	3.107	3.107	
⚠	*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(8")	LF			347	347	138	138	485	485	926	926	
	*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(12")	LF							0		330	330	
⚠	*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(18")	LF			106	106	66	66	172	172	272	272	
⚠	*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(24")	LF			21	21	41	41	62	62	555	5555	
	*	TRAFFIC SOLID STRIPE (YELLOW)(18")	LF							0		101	101	
⚠	*	REFLECTIVE PAINT (ISLAND NOSE) (YELLOW)	SY					8	8	8	8	19	19	

* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM No. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION. SEE SPECIFICATION SECTION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

Victor Lee 06/19/06

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-24-05	VL	⚠ REVISE QUANTITIES			

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
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CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND MARKING TABULATION OF QUANTITIES

SHEET NO. 29

USER: ArmandoL 02/28/2005 04:31:37 PM U:\proj\03\0314\414617\signing\tabqsp01.dgn

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
			44		45		46		47		48										
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
700-40-1	SIGN SINGLE POST (LESS THAN 12)																				
	R1-1 (30"x30")																				
	R7-4 (12"x18")																				
	R2-1 (24" x 30")	AS			2				2								5		20		
	R6-3 (30"x24")																				
	R1-2 (36"x36"x36")																				
	R1-1 (30"x30"); R6-3 (30" x 24")						1														
700-40-2	SIGN SINGLE-POST (12 - 25)																				
	R3-5 (30"x36"); R1-1 (30"x30")	AS			1												1		1		
700-41-10	SIGN MULTI POST (50 OR LESS)																				
	No. 1; 2; 3 (6' x 3'); 4 (6' x 3.5')	AS					1				1						2		8		
700-46-21	SIGN EXISTING (RELOCATE) (SINGLE POST)	AS							1								1		3		
700-48-18	SIGN PANEL (FURNISH & INSTALL) & (15 OR LESS)																				
	R7-4 (12"x18")																				
	R2-1 (24"x30")	EA															0		5		
	R6-3 (30"x24")																				
705-10-11	MARKER OBJECT (POST MOUNTED) (TYPE 1)																				
	OM1-1 (18" x 18")	EA							3								3		6		
*	MARKER PAVEMENT RETRO-REFLECTIVE																				
	MONODIRECTIONAL YELLOW																				
	BI-DIRECTIONAL YELLOW	EA					91		130		20						638		1,757		
	BI-DIRECTIONAL WHITE/RED																				
*	GUIDELINES, PAINT (DOTTED, WHITE)	LF	56		84		88		100		69						104		189		
*	GUIDELINES, PAINT (DOTTED, YELLOW)	LF							104								0		37		
*	DIRECTIONAL ARROWS, PAINTED	EA			3		6		10		4						23		47		
*	PAVEMENT MESSAGES, PAINTED	EA							4								4		5		
*	TRAFFIC STRIPE SKIP (WHITE/BLACK/BLUE)	GM	0.424		0.424		0.542		0.314		0.365						2.069		7.032		
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(6")	NM	0.212		0.216		0.195		0.377		0.193						1.193		4.562		
*	TRAFFIC SOLID STRIPE (YELLOW)(6")	NM	0.212		0.212		0.193		0.227		0.180						1.024		3.584		
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(8")	LF			347		323		317		432						1.419		1.860		
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(12")	LF															0		330		
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(18")	LF			106		149		86								341		441		
*	TRAFFIC SOLID STRIPE (WHITE/BLACK/BLUE)(24")	LF			21		41		130								192		685		
*	TRAFFIC SOLID STRIPE (YELLOW)(18")	LF															0		101		
*	REFLECTIVE PAINT (ISLAND NOSE) (YELLOW)	SY					8		11								19		30		

* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM No. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION. SEE SPECIFICATION SECTION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND MARKING TABULATION OF QUANTITIES

SHEET NO. 29

USER: ArmandoL 12/08/2004 04:50:42 PM u:\proj\03\03141\414617\signing\tabqsp01.dgn

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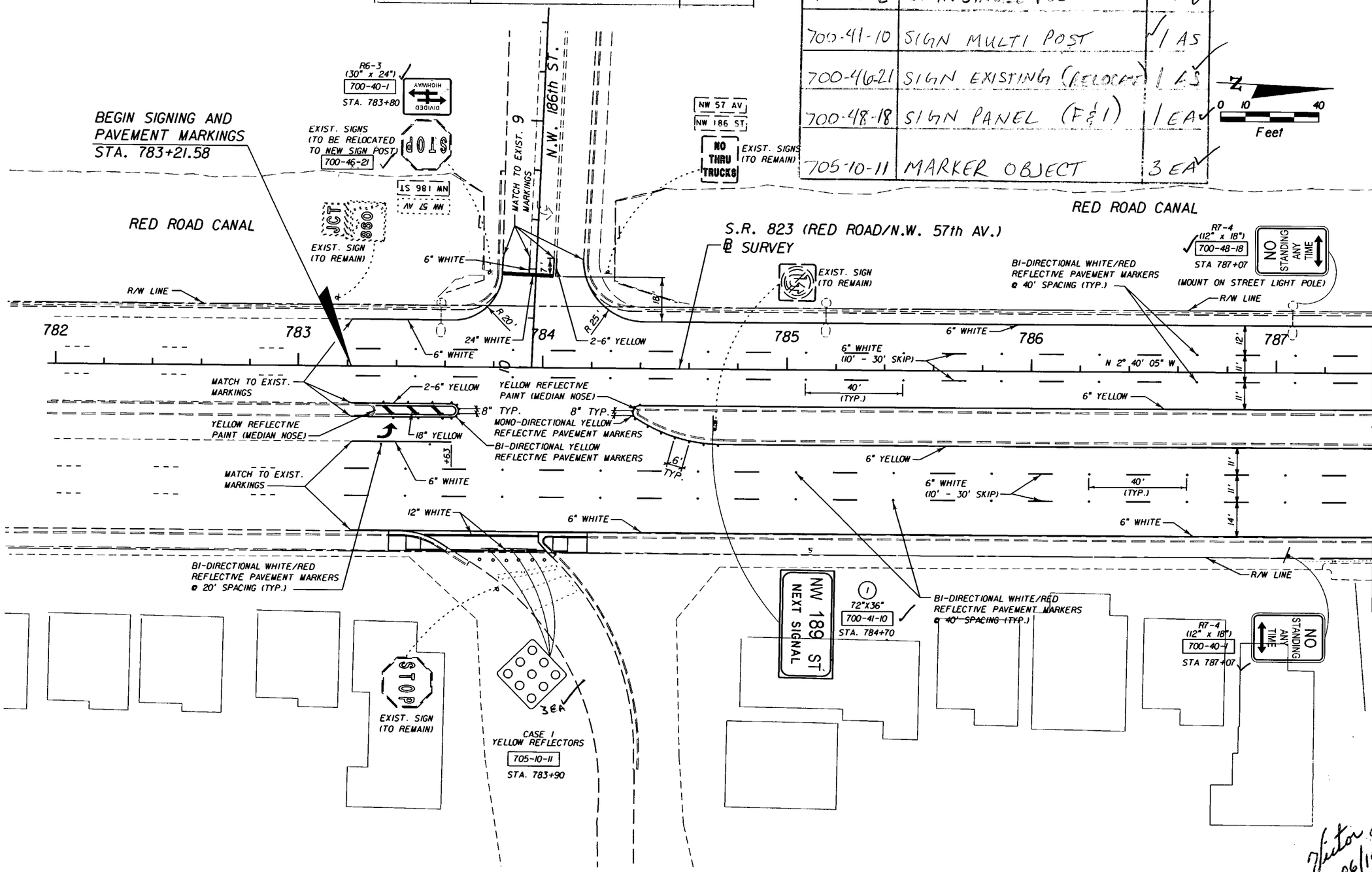
700-40-1	SIGN SINGLE POST	2 AS ✓
700-40-2	SIGN SINGLE POST	Ø ✓
700-41-10	SIGN MULTI POST	✓ 1 AS
700-46-21	SIGN EXISTING (RELOCATE)	1 AS ✓
700-48-18	SIGN PANEL (F&I)	1 EA ✓
705-10-11	MARKER OBJECT	3 EA ✓



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Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 30

USER: ArmandoL 11/09/2004 09:19:54 AM \\dci\caddpro1\pro1\03\0314\414617\signing\plansp01.dgn

700-40-1	SIGN SINGLE POST	1 AS ✓
700-48-18	SIGN PANEL (FE1)	1 EA ✓

RED ROAD CANAL

R2-1 (24" x 30") 700-40-1 STA. 788+75

SPEED LIMIT 45

SPEED LIMIT 45

R2-1 (24" x 30") 700-48-18 STA. 788+75 ✓

(MOUNT ON STREET LIGHT POLE)

BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS @ 40' SPACING (TYP.)

SOUTH 823

EXIST. SIGN (TO REMAIN)

EXIST. SIGN (TO REMAIN)

℄ SURVEY

S.R. 823 (RED ROAD/N.W. 57th AV.)

N.W. 189th ST.

40'

BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS @ 20' SPACING (TYP.)

RED ROAD CANAL

MATCH LINE STA. 787+40.00

MATCH LINE STA. 793+00.00

R/W LINE

788 789 790 791 792

40' (TYP.)

N 2° 40' 05" W

R 30'

R 45'

MATCH TO EXIST. MARKINGS

24" WHITE

6" WHITE

6" YELLOW

6" WHITE (10' - 30' SKIP)

6" WHITE (6' - 10' SKIP)

YELLOW REFLECTIVE PAINT (MEDIAN NOSE)

MONO-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKERS @ 8" SPACING

12" WHITE

+39 +79 +71 68' (RT) +89

N.W. 189th ST.

BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS @ 40' SPACING (TYP.)

BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS @ 20' SPACING (TYP.)

MATCH TO EXIST. MARKINGS

BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS @ 40' SPACING (TYP.)

Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

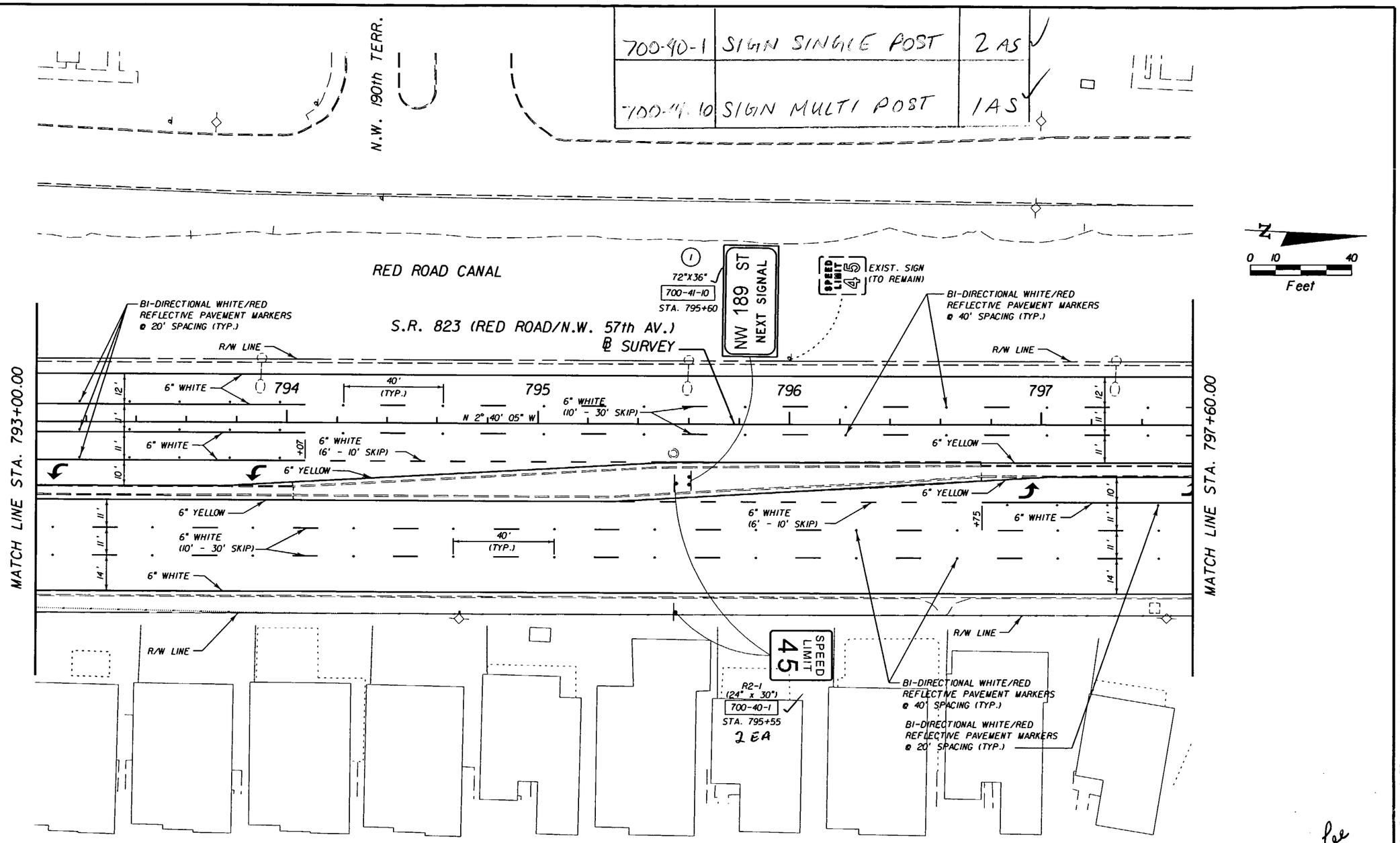
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 31

USER: ArmandoL 11/09/2004 09:19:56 AM \\dcl\caddpro1\proj\03\03141\414617\signing\plansp02.dgn

700-90-1	SIGN SINGLE POST	2 AS ✓
700-41-10	SIGN MULTI POST	1 AS ✓



Victor Lee
06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

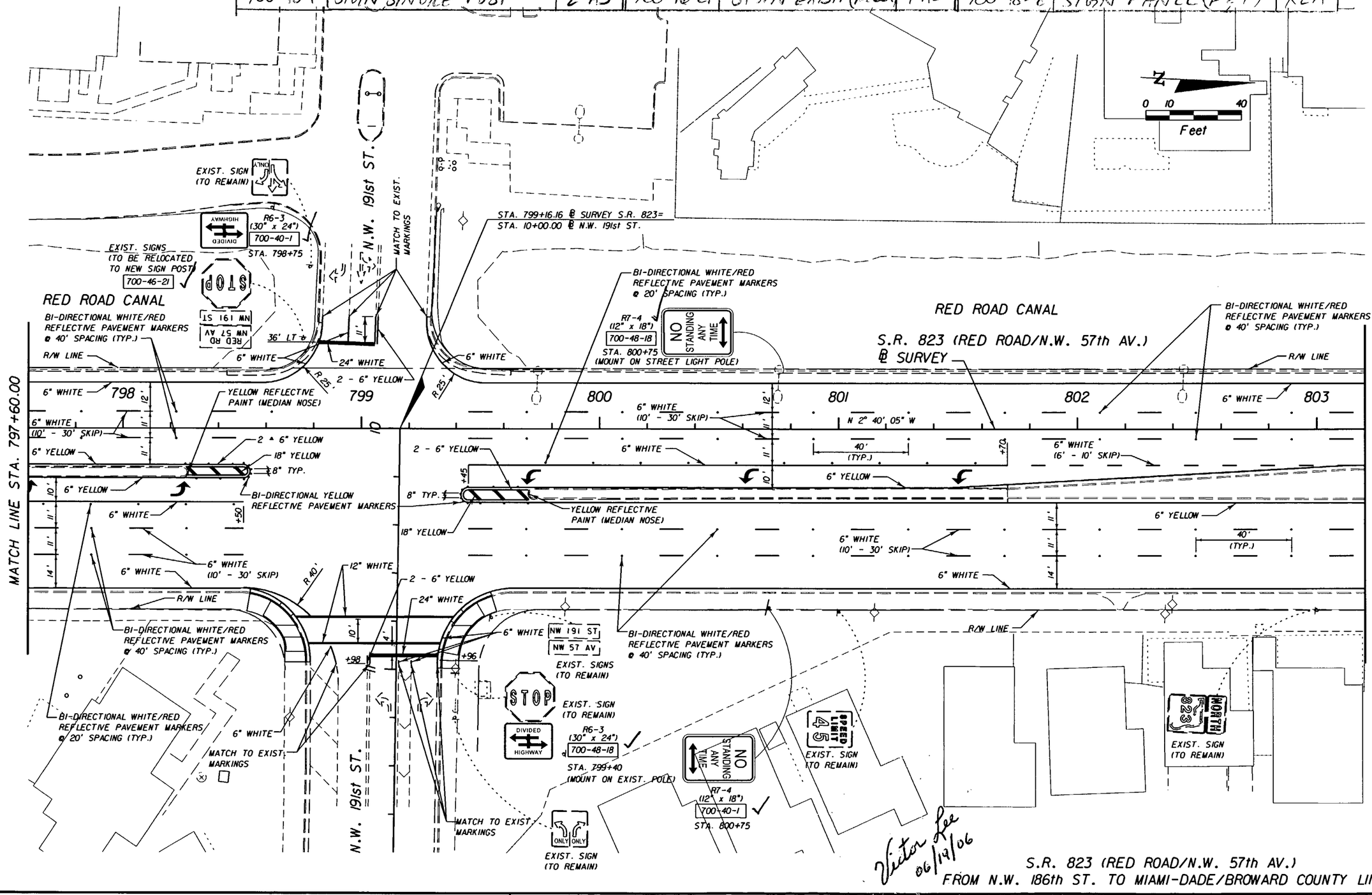
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 32

USER: ArmandoL 11/09/2004 09:19:59 AM \\dcl\caddproj\proj\03\0314\414617\signing\plansp03.dgn

700-40-1	SIGN SINGLE POST	2 AS	700-46-21	SIGN EXIST. (REC'D.)	1 AS	700-48-18	SIGN PANEL (E & I)	2 EA



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 33

USER: ArmandoL 11/09/2004 09:20:01 AM \\dcl\caddpro\proj\03\03141\414617\signing\plansp04.dgn

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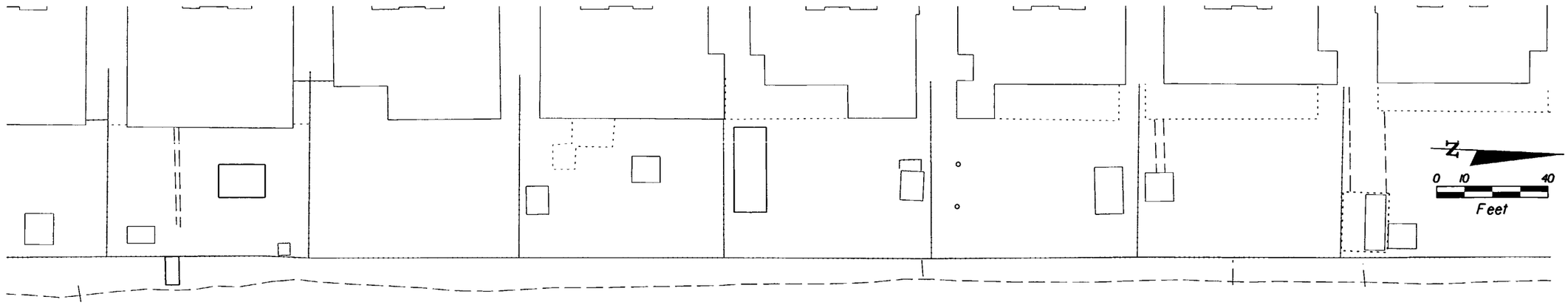

RED ROAD CANAL

S.R. 823 (RED ROAD/N.W. 57th AV.)

℄ SURVEY

BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS @ 40' SPACING (TYP.)

R/W LINE

R/W LINE

MATCH LINE STA. 803+20.00

MATCH LINE STA. 808+80.00

804 805 806 807 808

6" WHITE

6" WHITE (10' - 30' SKIP)

N 2° 40' 05" W

6" YELLOW

40' (TYP.)

6" YELLOW

6" YELLOW

6" YELLOW

40' (TYP.)

6" WHITE (10' - 30' SKIP)

6" WHITE

6" WHITE

11' 11' 14' 12' 11'

R/W LINE

R/W LINE

BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS @ 40' SPACING (TYP.)

Victor Lee 06/14/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

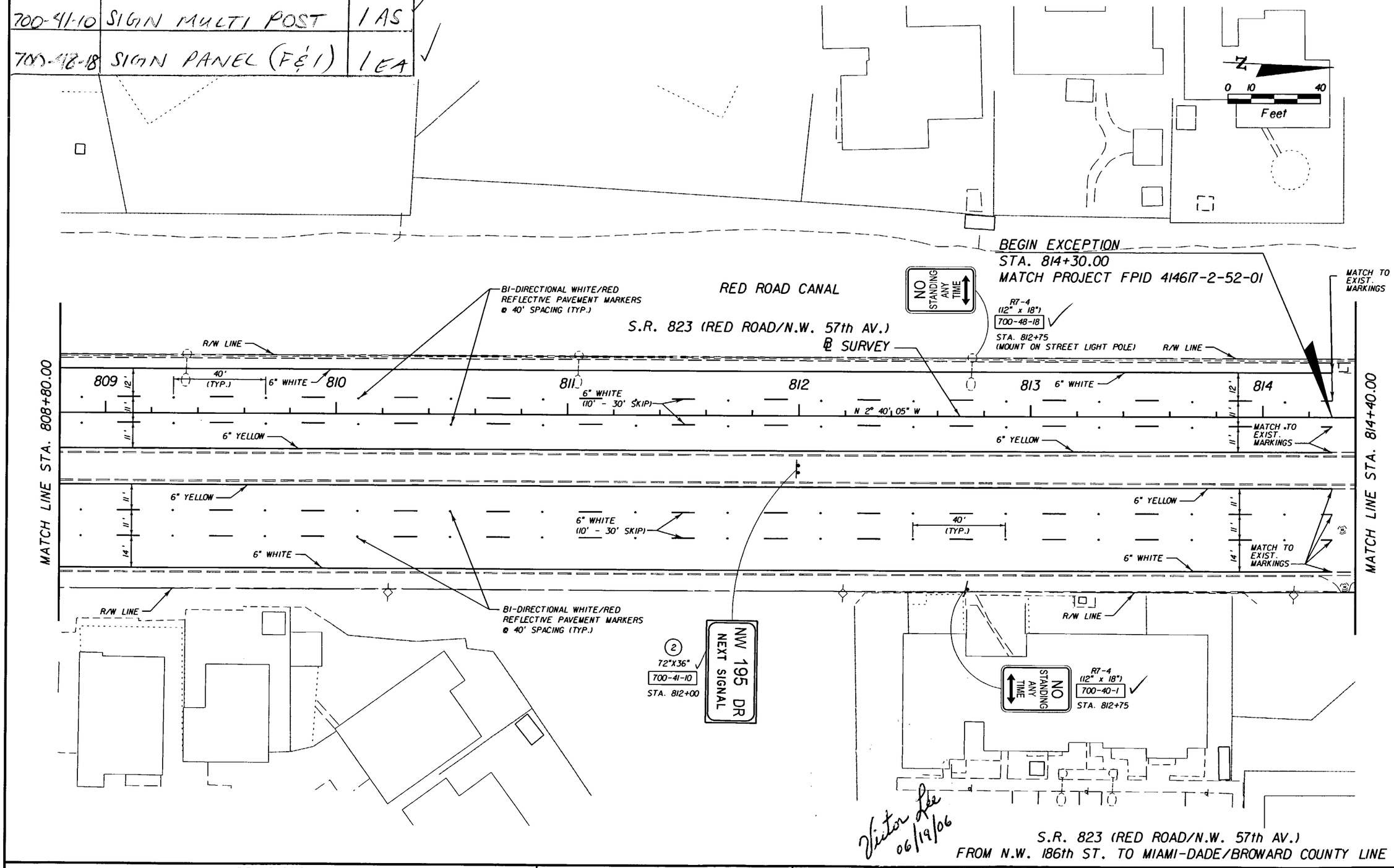
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 34

USER: ArmandoL 11/09/2004 09:20:04 AM \\dcl\coddpro1\pro1\03\3141\414617\signing\plansp05.dgn

700-40-1	SIGN SINGLE POST	1 AS ✓
700-41-10	SIGN MULTI POST	1 AS ✓
700-48-18	SIGN PANEL (FE1)	1 EA ✓



Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

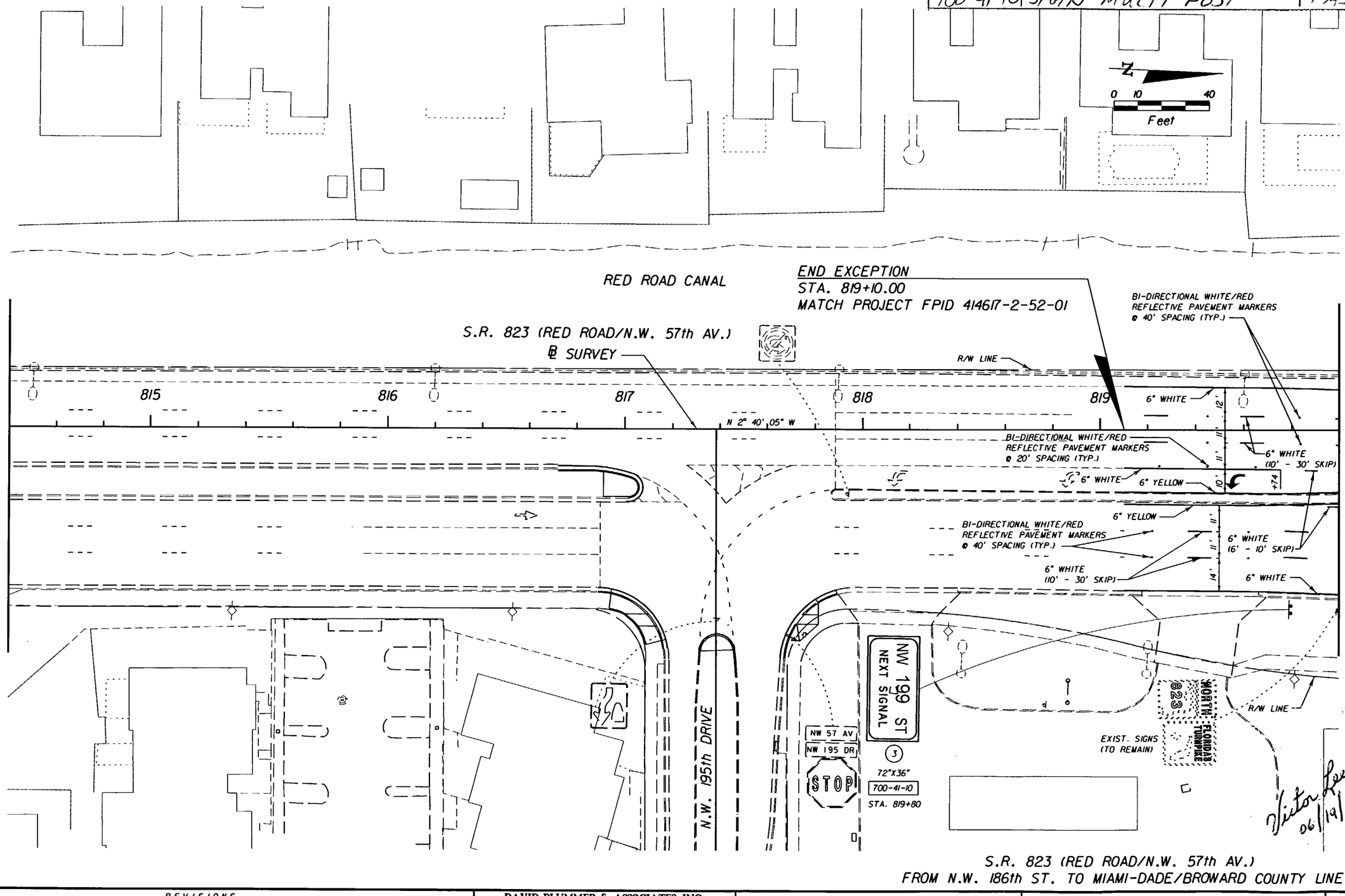
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 35

USER: Armandol 11/09/2004 09:20:06 AM \\dei\caddpro\proj\03\0314\414617\signing\plansp06.dgn

700-41-10 SIGN MULTI POST 1 A.S



S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

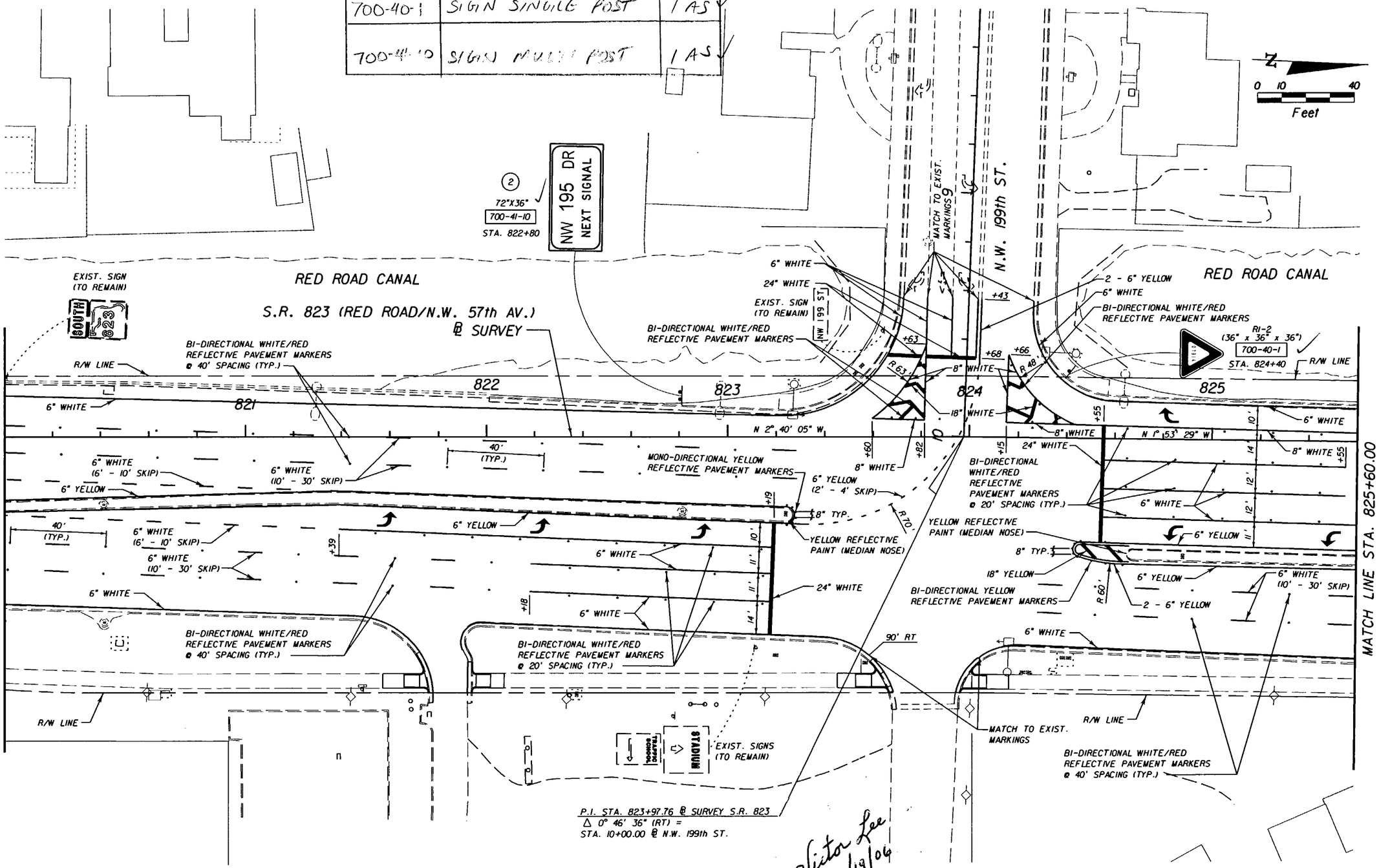
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 36

USER: ArmandoL 11/09/2004 09:20:08 AM \\dei\caddpro\pro\03\0314\414617\signing\plansp07.dgn

700-40-1	SIGN SINGLE POST	1 AS ✓
700-41-10	SIGN MULTI POST	1 AS ✓



Victor Lee 06/14/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 37

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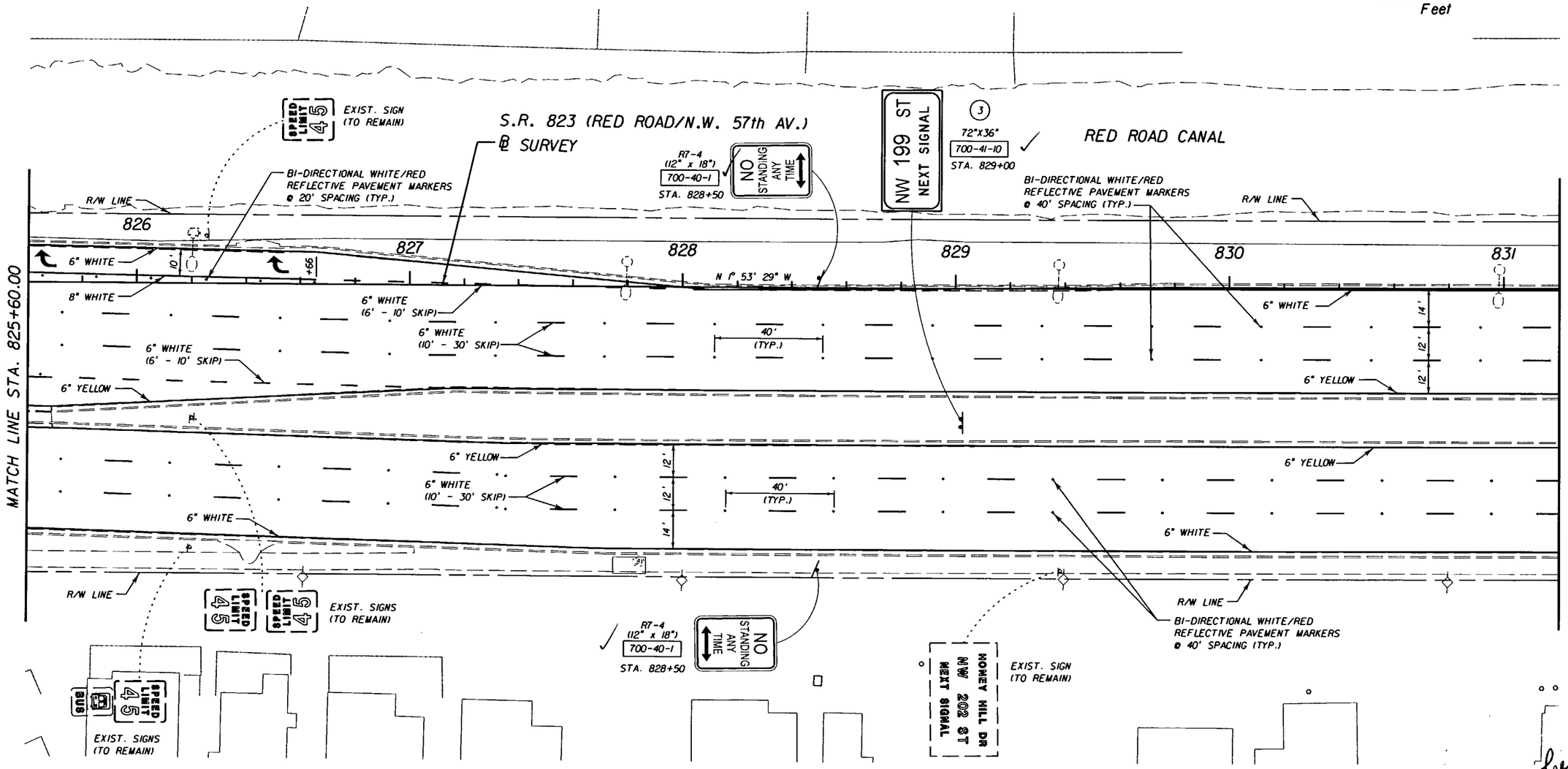
700-40-1	SIGN SINGLE POST 2 AS ✓
700-41-10	SIGN MULTI POST 1 AS ✓

N

0 10 40

Feet



Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 38

USER: Armandol 11/09/2004 09:20:14 AM \\dcl\caddproj\proj\03\0314\414617\signing\plansp09.dgn

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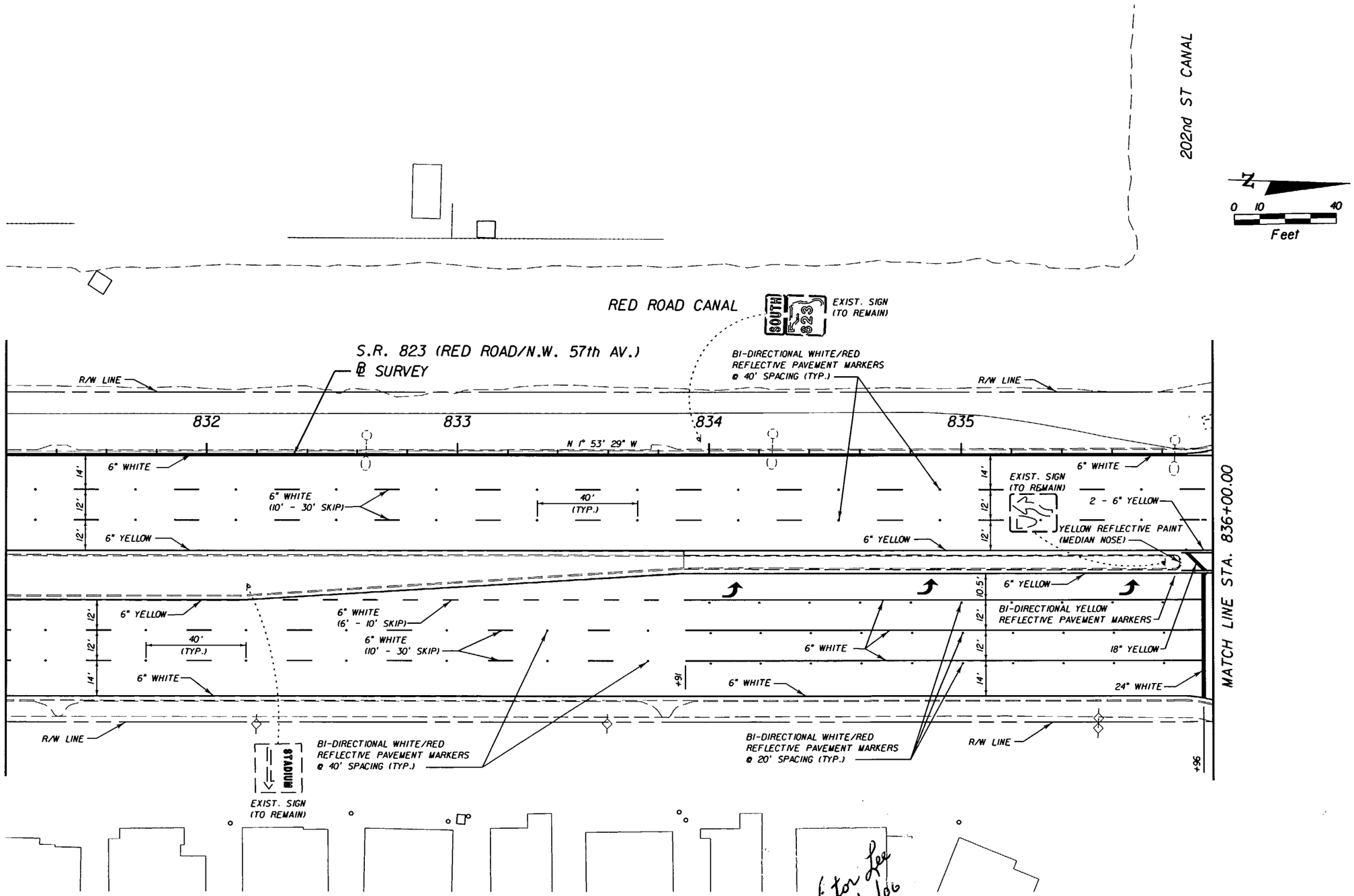

Victor Lee
06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 39

USER: ArmandoL 11/09/2004 09:20:16 AM \\dcl\caddproj\proj\03\0341\414617\signing\plansp10.dgn

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700-40-1	SIGN SINGLE POST	2 AS

202nd ST. CANAL

HONEY HILL ROAD (N.W. 202nd ST. @ MIAMI-DADE CO.) (S.W. 53rd ST. @ BROWARD CO.)

HAVEN DR. (S.W. 113th AV.)

MATCH TO EXIST. MARKINGS

LANE ENDS MERGE LEFT — EXIST. SIGN (TO REMAIN)

ADOPT A HIGHWAY LITTER CONTROL — EXIST. SIGN (TO REMAIN)

N

0 10 40

Feet

6" WHITE (10' - 30' SKIP)

STA. 836+64.62 (25.00' LT) @ SURVEY S.R. 823=
STA. 20+00.00 @ HONEY HILL RD.

EQUATION
P.I. STA. 836+64.64 @ S.R. 823 (RED RD.) (BK.)=
P.I. STA. 836+77.88 @ S.R. 823 (RED RD.) (AH)
SHIFT LEFT 10.00'
△ = 00°00'06" RT

6" YELLOW

CANAL

NO STANDING ANY TIME

R7-4 (12" x 18") 700-40-1
STA. 840+00

BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS @ 40' SPACING (TYP.)

R/W LINE

18" YELLOW

24" WHITE

6" WHITE

2-6" YELLOW

837 R75' MERGE

838 839 840 841

N 1° 53' 29" W

N 1° 53' 23" W

S.R. 823 (RED ROAD/N.W. 57th AV.)

℄ SURVEY

YELLOW REFLECTIVE PAINT (MEDIAN NOSE)

R80'

1' TYP.

BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKERS

24" WHITE BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS @ 20' SPACING (TYP.)

BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKERS

+95 +45 +12 +67

14' 12' 12' 10.5'

40' (TYP.)

EXIST. SIGN (TO REMAIN)

6" WHITE (10' - 30' SKIP)

6" WHITE (16' - 10' SKIP)

+62

6" YELLOW

18" YELLOW

YELLOW REFLECTIVE PAINT (MEDIAN NOSE)

2 - 6" YELLOW

12' 12' 14'

6" WHITE (12' - 4' SKIP)

MATCH LINE STA. 836+00.00

MATCH LINE STA. 841+60.00

20

21

6" WHITE (10' - 30' SKIP)

+57

+41

HONEY HILL ROAD (N.W. 202nd ST.)

2 - 6" YELLOW

MATCH TO EXIST. MARKINGS

STADIUM

EXIST. SIGN (TO REMAIN)

FLORIDA'S TURNPIKE

EXIST. SIGN (TO REMAIN)

EXIST. SIGN (TO REMAIN)

823 NORTH

R/W LINE

NO STANDING ANY TIME

R7-4 (12" x 18") 700-40-1
STA. 840+00

BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS @ 40' SPACING (TYP.)

Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 40

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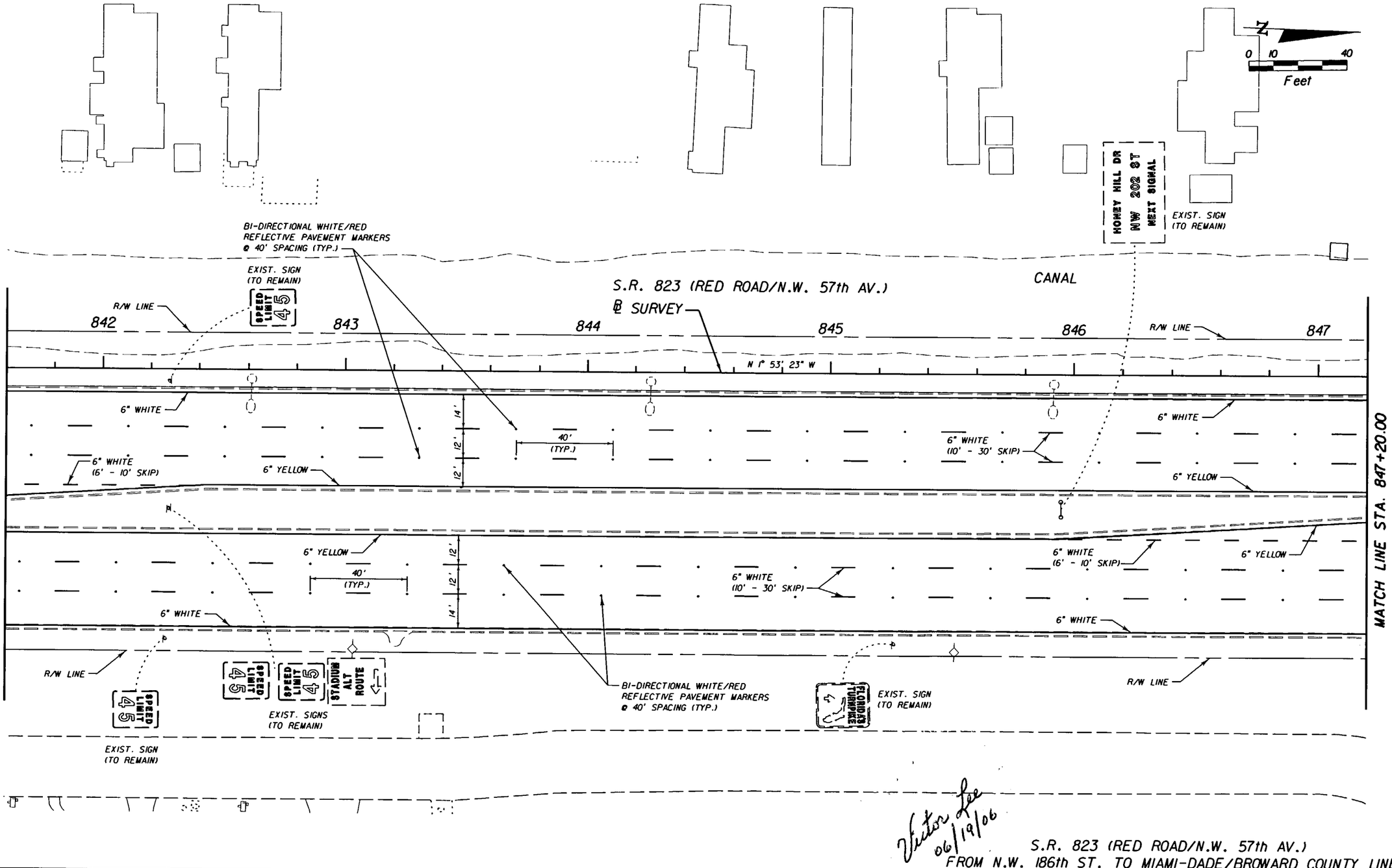

Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 41

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700-40-1	SIGN SINGLE POST	2 AS

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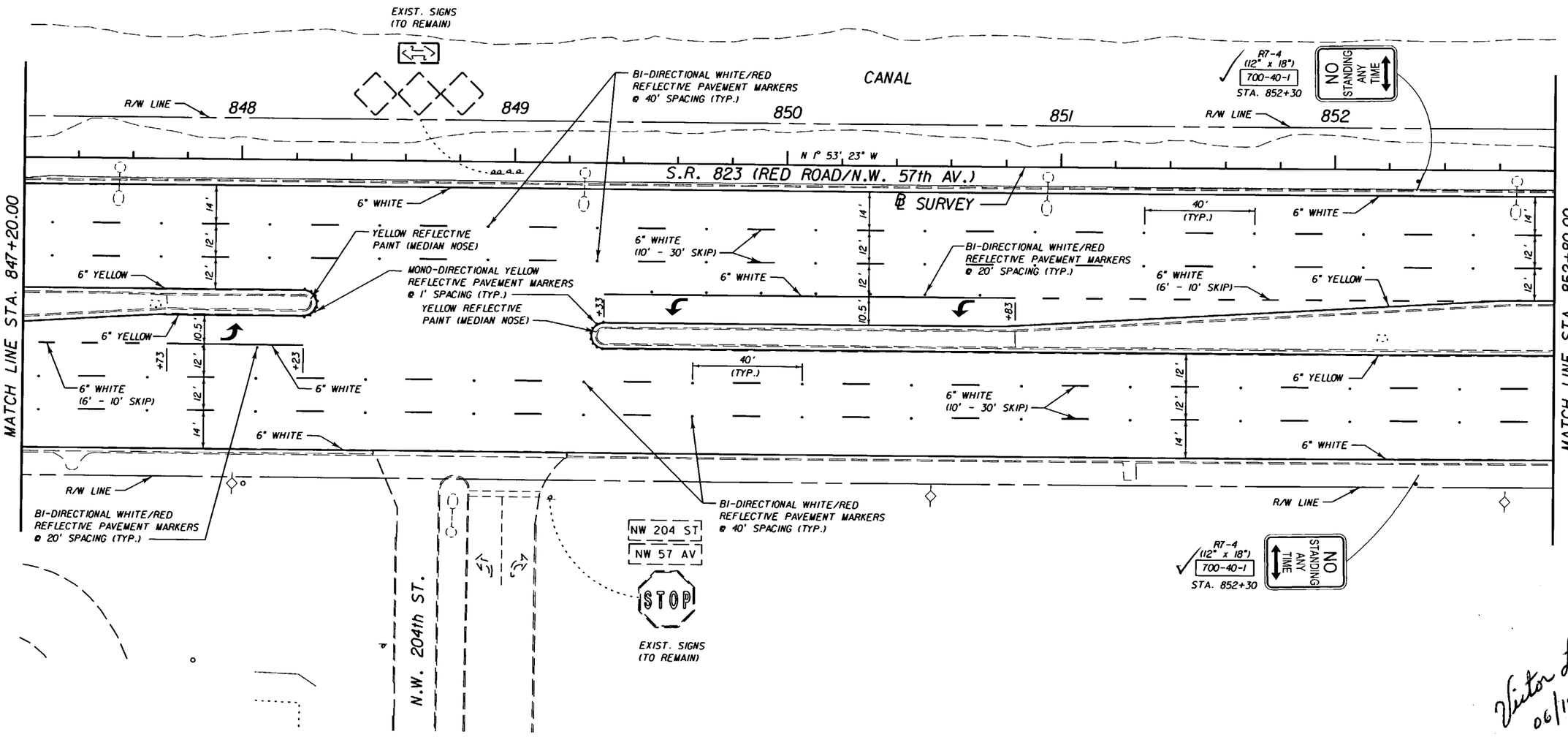

Victor Lee
06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 42

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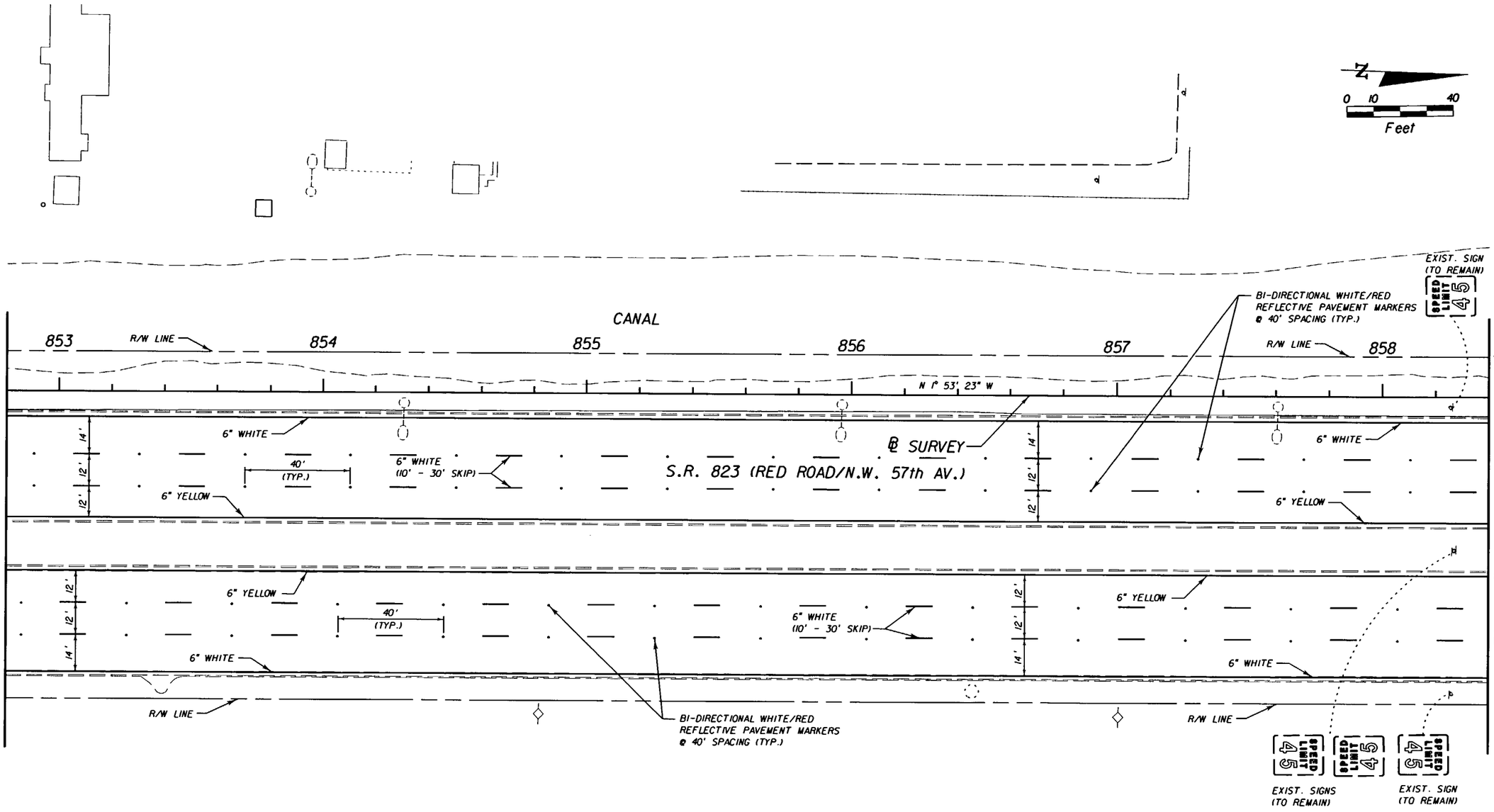

Victor Lee
06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
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CORAL GABLES, FLORIDA 33134
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 43

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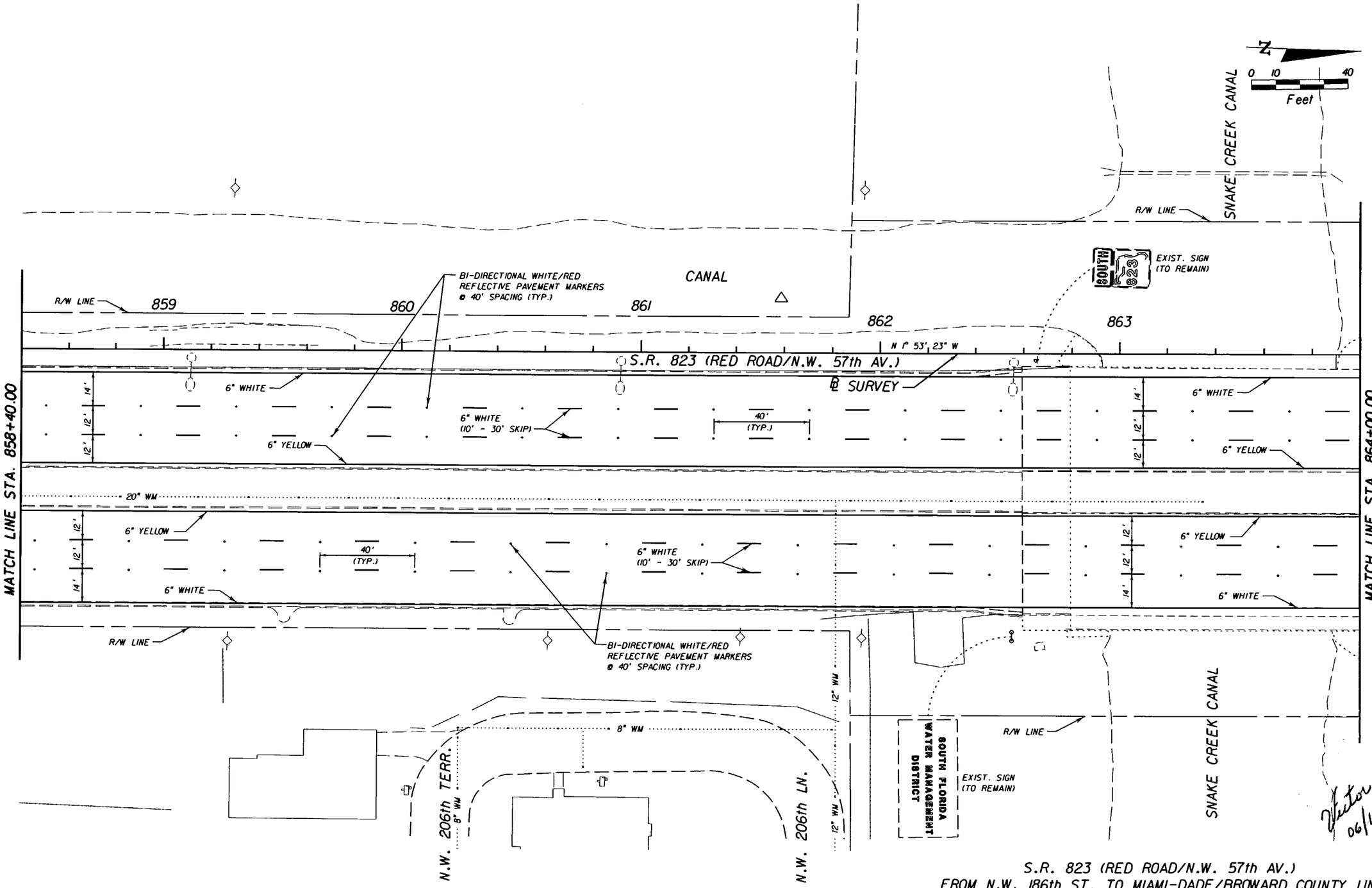
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 44

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700-40-1	SIGN SINGLE POST	2 AS ✓
700-40-2	SIGN SINGLE POST	1 AS ✓

N

0 10 40
Feet

EXIST. SIGN (TO REMAIN)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

P.I. STA. 864+17.04 ℄ S.R. 823 (RED RD.)
SHIFT LEFT 15.05'
△ = 0° 01' 46" LT

NO STANDING ANY TIME

R7-4 (12" x 18") 700-40-1 ✓
STA. 865+80

R3-5 (30" x 36")
R1-1 (30" x 30")
700-40-2 ✓

ONLY
STOP

865 866 867 868 869

N 1° 55' 09" W

N 1° 53' 23" W

℄ SURVEY

BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS @ 40' SPACING (TYP.)

8" WHITE

BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS

R/W LINE

18" WHITE

6" WHITE

S.R. 823 (RED ROAD/N.W. 57th AV.)

6" WHITE

24" WHITE

R 53'

R 45'

+30

+93

8" WHITE

6" WHITE (10' - 30' SKIP)

40' (TYP.)

14' 12' 12'

6" YELLOW

BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS @ 20' SPACING (TYP.)

MATCH LINE STA. 864+00.00

MATCH LINE STA. 869+60.00

ONE WAY

EXIST. SIGN (TO REMAIN)

6" WHITE (16' - 10' SKIP)

+50

R7-4 (12" x 18") 700-40-1 ✓
STA. 865+80

NO STANDING ANY TIME

BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS @ 40' SPACING (TYP.)

NORTH

823

EXIST. SIGN (TO REMAIN)

R/W LINE

Victor Lee 06/17/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 45

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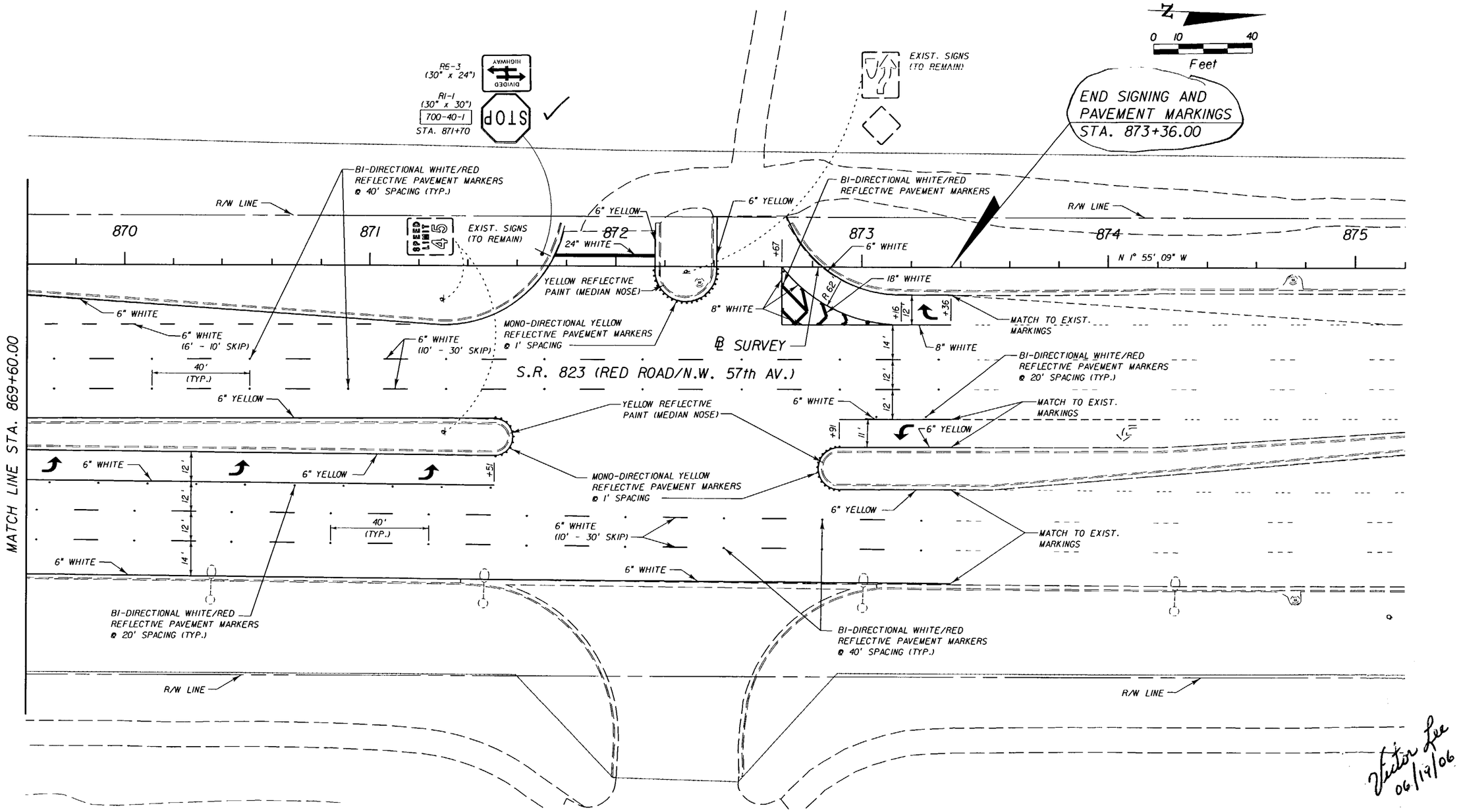
700-40-1 | SIGN SINGLE POST | 1 AS



Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-24-05	VL	REVISE SIGNING AND PAVEMENT MARKINGS END STATION; DELETE SIGN NO. 4			

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 46

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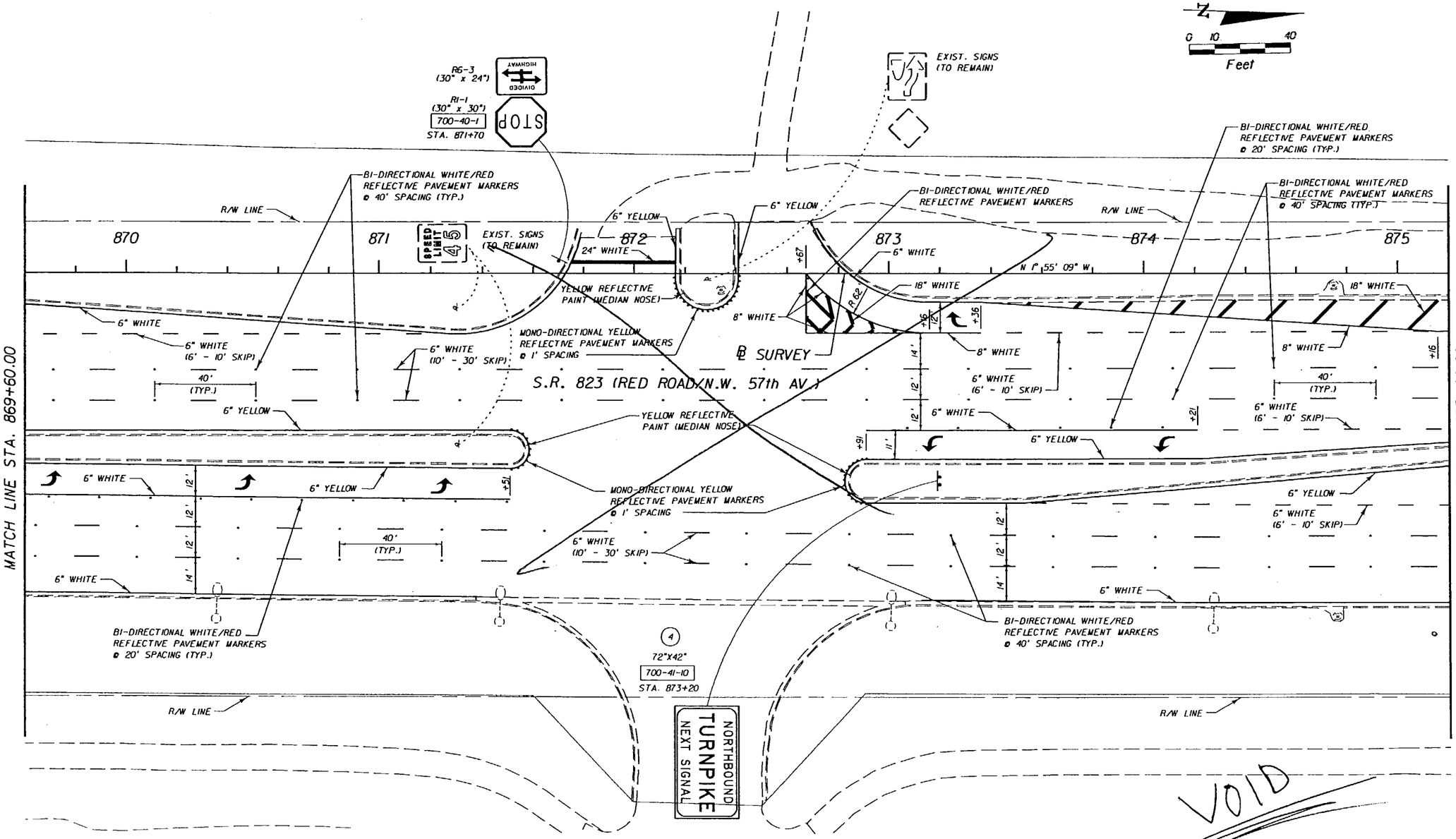

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REVISIONS					
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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. 46

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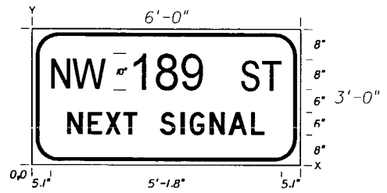
SIGN NUMBER	001
QUANTITY	1
WIDTH	72"
HEIGHT	36"
BORDER WIDTH	1"
BORDER RADIUS	6"
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
STATION(S)	See plan sheets

SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE STEEL	COLUMN SIZE ALUMINUM	AVERAGE LENGTH



DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

COPY	X	N	W	X	1	8	9	X	S	T	X													
SPACE	5.1	6.9	7.0	8.0	4.8	8.6	6.7	8.0	6.9	4.9	5.1													
COPY	X	N	E	X	T	X	S	I	G	N	A	L	X											
SPACE	9.5	5.5	4.8	4.8	3.6	6.0	5.5	2.4	5.4	5.2	6.2	3.6	9.5											
COPY																								
SPACE																								
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SPACE																								
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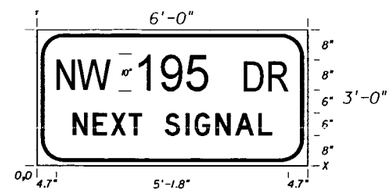
SPACE																								
COPY																								
SPACE																								

SIGN NUMBER	002
QUANTITY	1
WIDTH	72"
HEIGHT	36"
BORDER WIDTH	1"
BORDER RADIUS	6"
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
STATION(S)	See plan sheets

SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE STEEL	COLUMN SIZE ALUMINUM	AVERAGE LENGTH



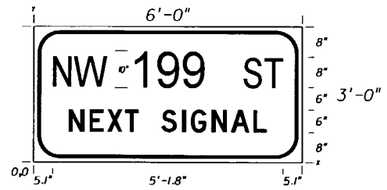
DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

COPY	X	N	W	X	1	9	5	X	D	R	X													
SPACE	4.7	6.9	7.0	7.7	4.8	9.2	6.7	7.7	6.3	6.3	4.7													
COPY	X	N	E	X	T	X	S	I	G	N	A	L	X											
SPACE	9.5	5.5	4.8	4.8	3.6	6.0	5.5	2.4	5.4	5.2	6.2	3.6	9.5											
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								

SIGN NUMBER	003
QUANTITY	1
WIDTH	72"
HEIGHT	36"
BORDER WIDTH	1"
BORDER RADIUS	6"
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
STATION(S)	See plan sheets

SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE STEEL	COLUMN SIZE ALUMINUM	AVERAGE LENGTH



DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

COPY	X	N	W	X	1	9	9	X	S	T	X													
SPACE	5.1	6.9	7.0	7.7	4.8	9.2	6.7	7.7	6.9	4.9	5.1													
COPY	X	N	E	X	T	X	S	I	G	N	A	L	X											
SPACE	9.5	5.5	4.8	4.8	3.6	6.0	5.5	2.4	5.4	5.2	6.2	3.6	9.5											
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SIGN NUMBER	
QUANTITY	
WIDTH	
HEIGHT	
BORDER WIDTH	
BORDER RADIUS	
BACKGROUND COLOR	
LEGEND & BORDER COLOR	
STATION(S)	

SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE STEEL	COLUMN SIZE ALUMINUM	AVERAGE LENGTH

COPY																								
SPACE																								
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Victor Lee 06/14/06

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REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-24-05	VL	DELETE SIGN NO. 4			

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNING AND MARKING GUIDE SIGN WORK SHEET

SHEET NO. 49

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1. THE CONTRACTOR SHALL PERFORM AN INVENTORY OF THE EXISTING INTERSECTIONS PRIOR TO THE BEGINNING CONSTRUCTION ACTIVITIES. A WRITTEN REPORT WILL BE PREPARED LISTING ALL SIGNAL ITEMS OPERABLE AND INOPERABLE. THE COMPLETED REPORT WILL BE FORWARDED TO THE PROJECT ENGINEER WITH COPIES TO THE MAINTAINING AGENCY PRIOR TO BEGINNING CONSTRUCTION.

2. INTERCONNECT CONDUIT AT CROSSING INTERSECTIONS OR CORRIDORS SHALL BE TIED INTO CONTROLLER CABINETS

3. THE CONTRACTOR SHALL USE LIGHT EMITTING DIODE (LED) FOR THE RED INDICATION AND INCANDESCENT LAMPS FOR THE YELLOW AND GREEN INDICATIONS.

4. GOVERNING STANDARDS AND SPECIFICATIONS ARE: THE DESIGN STANDARDS OF 2004, THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MIAMI-DADE COUNTY TECHNICAL SPECIAL PROVISIONS FOR TRAFFIC SIGNALS.

5. THE SIGNAL-MAINTAINING AGENCY IS: MIAMI DADE COUNTY PUBLIC WORKS DEPARTMENT TRAFFIC SIGNALS & SIGNS DIVISION, EXCEPT AT THE INTERSECTION OF NW 57 AVE AND THE FLORIDA'S TURNPIKE RAMPS (NORTHBOUND) WHERE THE MAINTAINING AGENCY IS: BROWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

6. EXISTING COMMUNICATIONS OR COMMAND WIRE CONNECTIONS SHALL BE MAINTAINED AT ALL SIGNALIZED LOCATIONS DURING CONSTRUCTION. THIS SHALL INCLUDE INTERCONNECT, RAILROAD FLASHING BEACONS, RAILROAD PRE-EMPTION, FIRE PRE-EMPTION AND SCHOOL ZONE FLASHERS. CONTRACTORS SHALL PROVIDE TEMPORARY LINES AND CONNECTIONS IF NECESSARY. COST OF MAINTAINING COMMUNICATION, INCLUDING TEMPORARY LINES AND CONNECTIONS SHALL BE INCLUDED IN PAY ITEM NO. 102-1, MAINTENANCE OF TRAFFIC.

7. THE CONTRACTOR SHALL NOTIFY THE MAINTAINING AGENCY AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY WORK TO BE CARRIED OUT AT ANY SIGNAL RELATED INSTALLATION.

8. TWO FULL BUSINESS DAYS PRIOR TO DIGGING THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL OF FLORIDA, TELEPHONE NUMBER 1-800-432-4770, AND THE UTILITY OWNER AND REQUEST UTILITY LOCATIONS. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT DURING UTILITY COMPANY LOCATIONS OF THEIR FACILITIES.

UTILITY OWNER	TELEPHONE NO.
SUNSHINE ONE CALL	1-800-432-4770
MIAMI-DADE COUNTY TRAFFIC SIGNALS & LIGHTS	305-592-3470
FPL FIBER NET	305-552-3249
FPL (ELECTRIC)	305-442-5129
BELL SOUTH	305-260-8243
MIAMI DADE WATER & SEWER DEPARTMENT	305-665-7471
NUI CITY GAS COMPANY OF FLORIDA	305-691-8710

9. MAST ARM POLE CONCRETE FOUNDATION IS TO BE POURED IN ONE SINGLE POUR WITH ITS TOP AT THE GRADE AND SLOPE OF THE FINISHED SIDEWALK. FOUNDATIONS NOT IN COMPLIANCE WITH THESE REQUIREMENTS WILL BE COMPLETELY REMOVED AND POURED AGAIN AT THE CONTRACTOR'S EXPENSE.

10. PULL BOXES, MAST ARM FOUNDATIONS AND CONTROLLER FOUNDATIONS SHALL HAVE A MINIMUM 4" CLEARANCE FROM ALL JOINTS AND EDGE OF SIDEWALK. THERE SHALL BE NO EXPANSION MATERIAL AROUND PULL BOXES. MAST ARM FOUNDATIONS AND CONTROLLER FOUNDATIONS. PULL BOXES SHALL NOT BE PLACED IN PEDESTRIAN RAMPS.

11. THE CONTRACTOR WILL PROVIDE TWO (2) SETS OF AS-BUILT DRAWINGS AT THE TIME OF INSPECTIONS.

12. THE CONTRACTOR RESPONSE TIME TO ALL REPORTED MALFUNCTIONS OF TRAFFIC SIGNAL WITHIN THE PROJECT LIMITS SHALL BE NO MORE THAN TWO (2) HOURS, AND SHALL RESTORE ALL MALFUNCTIONING TRAFFIC SIGNAL EQUIPMENT TO ITS LEVEL OF OPERATION PRIOR TO MALFUNCTION WITHIN TWENTY-FOUR (24) HOURS. DURING THIS TIME THE CONTRACTOR SHALL PROVIDE, AT HIS EXPENSE, TEMPORARY TRAFFIC CONTROL DEVICES, FLAGMAN PERSONNEL, AND LAW ENFORCEMENT PERSONNEL AS NECESSARY TO MAINTAIN A SAFE AND EFFICIENT FLOW OF TRAFFIC AT THE AFFECTED SIGNALIZED INTERSECTIONS. THIS WOULD INCLUDE EXCEPTION AREAS THAT NEED TO BE ADJUSTED FOR M.O.T. PHASING. THE ENGINEER SHALL APPROVE ALL MODIFICATIONS PRIOR TO THEIR IMPLEMENTATION.

13. ALL SALVAGEABLE SIGNAL EQUIPMENT THAT ARE REMOVED MUST BE DELIVERED AND UNLOADED AT THE:

    MIAMI DADE COUNTY TRAFFIC SIGNALS & SIGNS DIVISION
    7100 N.W. 36 STREET
    MIAMI, FL 33166

    RECEIPTS MUST BE OBTAINED FROM THE ABOVE AGENCY AND SUBMITTED TO THE PROJECT ENGINEER TO RECEIVE PAYMENT FOR REMOVAL ITEMS.

14. SIGNAL EQUIPMENT CONSIDERED SALVAGEABLE IS AS FOLLOWS: CONTROLLERS, CONTROLLER CABINETS, CONTROLLER HARDWARE AND SOFTWARE, FLASHERS, COMMUNICATION DEVICES AND HARDWARE, SIGNAL HEADS, MAST ARM POLES AND ASSOCIATED HARDWARE. ALL OTHER EQUIPMENT SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE.

15. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT IN WRITING, NO LESS THAN 14 WORKING DAYS IN ADVANCE OF THE NEED OF ELECTRICAL POWER SERVICE HOOKUPS OF SIGNALIZATION / STREET LIGHTING FACILITIES. THE CONTRACTOR SHALL SUBMIT A LETTER OF REQUEST ALONG WITH AN AFFIDAVIT OF GENERAL ELECTRICAL WORK, SIGNED AND CERTIFIED BY A MASTER ELECTRICIAN.

Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNALIZATION NOTES

SHEET NO. 50

USER: ArmandoL 11/09/2004 09:24:20 AM \\dcl\coddproj\proj\03\0314\414617\signals\gnntsg01.dgn

TABULATION OF QUANTITIES

	PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS AS BUILT														TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
				52		53		54														
				PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
⚠	400-1-15	CONCRETE CLASS I (MISCELLANEOUS)	CY	-		-		0.9	0.9 ✓									0.9	0.9 ✓	0.9	0.9 ✓✓	
⚠	630-1-13	CONDUIT (UNDER PAVEMENT) (2" PVC)	LF	-		-		315	315 ✓									315	315 ✓	315	315 ✓✓	
⚠	635-1-11	PULL & JUNCTION BOXES (PULL BOX)	EA	-		-		5	5 ✓									5	5 ✓	5	5 ✓✓	
⚠	660-1-105	INDUCTIVE LOOP DETECTOR	EA	2	2 ✓	3	3 ✓	6	6 ✓									11	11 ✓	11	11 ✓✓	
	660-2-101	LOOP ASSEMBLY (TYPE A MOD., (6' X 30' THRU LANES)	AS	-		1	1 ✓	4	4 ✓									15	15 ✓	15	15 ✓✓	
		(5' X 30' LEFT TURN LANES)		2	2 ✓	3	3 ✓	5	5 ✓													
⚠	690-100	SIGNAL EQUIPMENT, MISCELLANEOUS REMOVE (PULL BOX)	EA	-		-		1	1 ✓									1	1	1	1 ✓✓	
	700-46-14	SIGN, EXISTING (REMOVE) (OVERHEAD CANTILEVER)	EA	-		1	1 ✓	-										1	1 ✓	1	1 ✓✓	

⚠ THE FOLLOWING PAY ITEM NOS. HAVE BEEN DELETED FROM THIS SHEET:
632-7-1, 639-1-13, 639-2-1, 649-711-001, 649-713-002, 649-716-004, 650-51-311, 659-101, 660-2-106, 670-5-131, 678-1-110, 685-106, 690-10, 690-33-1, 690-50, 690-80, 699-1-1, AND 700-48-18

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-24-05	VL	⚠ REVISE QUANTITIES AND DELETE PAY ITEM NOS.			

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNALIZATION
TABULATION OF QUANTITIES

SHEET NO. 51

USER: AmandaL 02/28/2005 04:32:38 PM U:\proj\03\0314\414617\signals\tabqsg01.dgn

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

TABULATION OF QUANTITIES

	PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS 52 PLAN	52 FINAL	53 PLAN	53 FINAL	54 PLAN	54 FINAL	TOTAL THIS SHEET PLAN	TOTAL THIS SHEET FINAL	GRAND TOTAL PLAN	GRAND TOTAL FINAL	REF. SHEET
⚠	400-1-15	CONCRETE CLASS I (MISCELLANEOUS)	CY	-		-		0.9		0.9		0.9		
⚠	630-1-13	CONDUIT (UNDER PAVEMENT) (2" PVC)	LF	-		-		315		315		315		
⚠	635-1-11	PULL & JUNCTION BOXES (PULL BOX)	EA	-		-		5		5		5		
⚠	660-1-105	INDUCTIVE LOOP DETECTOR	EA	2		3		6		11		11		
	660-2-101	LOOP ASSEMBLY (TYPE A MOD.. (6' X 30' THRU LANES)	AS	-		1		4		15		15		
		(5' X 30' LEFT TURN LANES)		2		3		5						
⚠	690-100	SIGNAL EQUIPMENT. MISCELLANEOUS REMOVE (PULL BOX)	PI	-		-		1		1		1		
	700-46-14	SIGN, EXISTING (REMOVE) (OVERHEAD CANTILEVER)	EA	-		1		-		1		1		

⚠ THE FOLLOWING PAY ITEM NOS. HAVE BEEN DELETED FROM THIS SHEET:
632-7-1. 639-1-13. 639-2-1. 649-711-001. 649-713-002. 649-716-004.
650-51-311. 659-101. 660-2-106. 670-5-131. 678-1-110. 685-106.
690-10. 690-33-1. 690-50. 690-80. 699-1-1. AND 700-48-18

See As Built (Previous Page)

Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th ST. TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-24-05	VL	⚠ REVISE QUANTITIES AND DELETE PAY ITEM NOS.			

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNALIZATION TABULATION OF QUANTITIES

SHEET NO. 51

USER: ArmandoL 02/28/2005 04:32:38 PM U:\proj\03\0341\414617\signals\tabqsg01.dgn

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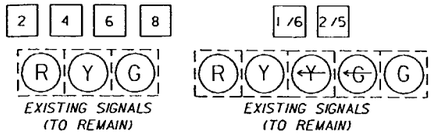
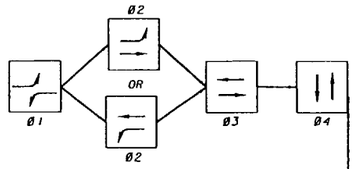
SIGNAL HEAD DETAILS

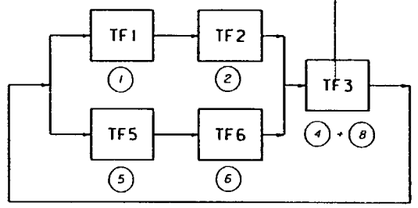


SIGNAL OPERATING PLAN

EXISTING PHASE MOVEMENT DIAGRAM (TO REMAIN)



EXISTING RING DIAGRAM (TO REMAIN)



SIGNALIZATION NOTES

1. EXISTING CONTROLLER OPERATIONS TO REMAIN.
   A. CONTROLLER ASSEMBLY SEMI-ACTUATED WITH COORDINATION CAPABILITIES.
   B. MAJOR STREET IS RED ROAD (N.W. 57th AVE.), MINOR STREET IS N.W. 189th ST.
   C. COORDINATION IS ON MOVEMENTS ② + ⑥.
   D. FLASHING OPERATION TO BE: YELLOW ON RED ROAD (N.W. 57th AVE.). (MOVEMENTS ①, ②, ⑤ & ⑥). RED ON N.W. 189th ST. (MOVEMENTS ④ + ⑧).
2. TIMING WILL BE PROVIDED BY MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SIGNALS AND SIGNS DIVISION. 7100 NW 36 ST. TELEPHONE (305) 592-8925.

DETECTORS FOR LOOPS		
LOOPS	NO. OF LOOPS	NO. OF DETS.
L-1	1	1
L-4	2•	1•
L-5	1	1
L-8	2•	1•

• EXISTING TO REMAIN

660-1-105	INDUCTIVE LOOP DETECTOR	2 EA. ✓
660-2-101	LOOP ASSEMBLY LEFT TURN LANE	2 AS. ✓

NOTE:

1. CONTRACTOR SHALL LOCATE EXISTING PULL BOXES AND LOOP RUN CONDUITS. INSTALL NEW LOOP ASSEMBLIES AT LOCATIONS SHOWN IN PLANS, AND RUN LOOP WIRE THROUGH EXISTING CONDUIT TO EXISTING TRAFFIC CONTROLLER AND CONNECT WITHIN.
2. CONTRACTOR SHALL INSTALL NEW LOOP DETECTORS IN EXISTING CONTROLLER ASSEMBLY AND WIRE EXISTING LOOP RUNS AND NEW LOOP RUNS TO DETECTOR AS INDICATED IN CHART.

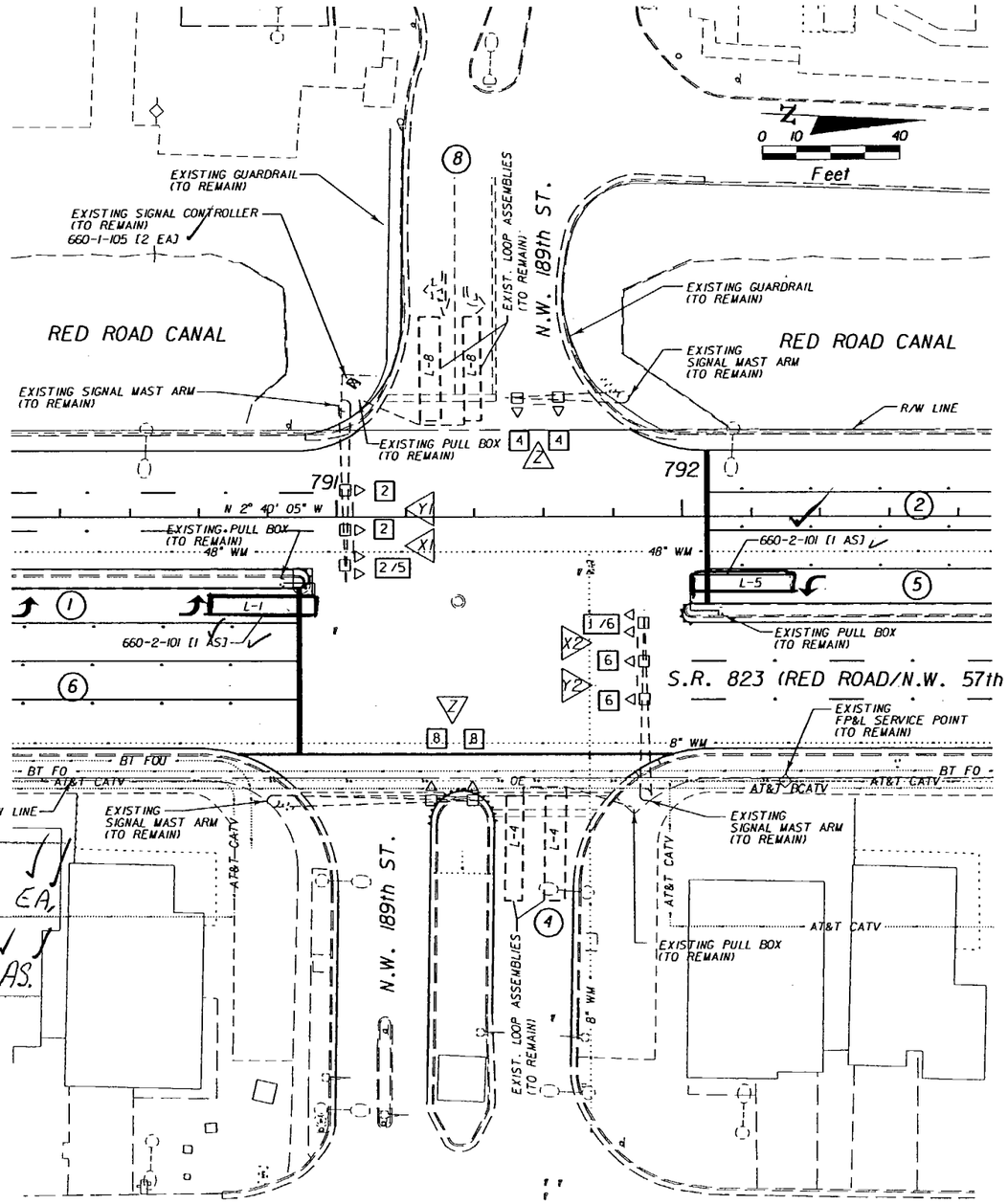
X1
← MONTEREY BLVD
NW 189 ST
EXISTING D3-IS [1 EA]

X2
← LE CLUB
NW 189 ST
EXISTING D3-IS [1 EA]

Y1
LE CLUB →
NW 189 ST
EXISTING D3-IS [1 EA]

Y2
MONTEREY BLVD →
NW 189 ST
EXISTING D3-IS [1 EA]

Z
RED RD
NW 57 AV
EXISTING D3-IS [2 EA]



ID# 5737

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

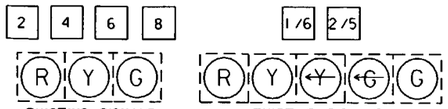
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNALIZATION PLAN

SHEET NO. 52

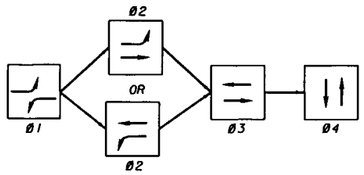
USER: ArmandoL 11/09/2004 09:24:07 AM \\dcl\caddpraj\proj\03\0314\414617\signals\plansg01.dgn

SIGNAL HEAD DETAILS

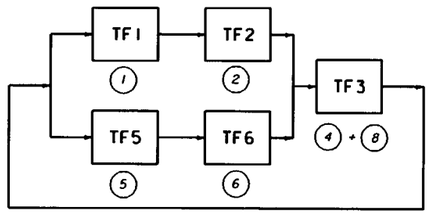


SIGNAL OPERATING PLAN

EXISTING PHASE MOVEMENT DIAGRAM (TO REMAIN)



EXISTING RING DIAGRAM (TO REMAIN)



SIGNALIZATION NOTES

1. EXISTING CONTROLLER OPERATIONS TO REMAIN.
   A. CONTROLLER ASSEMBLY SEMI-ACTUATED WITH COORDINATION CAPABILITIES.
   B. MAJOR STREET IS RED ROAD (N.W. 57th AVE.).
      MINOR STREET IS N.W. 189th ST.
   C. COORDINATION IS ON MOVEMENTS ② + ⑥.
   D. FLASHING OPERATION TO BE:
      YELLOW ON RED ROAD (N.W. 57th AVE.). (MOVEMENTS ①.②.⑤ & ⑥).
      RED ON N.W. 189th ST. (MOVEMENTS ④ + ⑧).

2. TIMING WILL BE PROVIDED BY MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SIGNALS AND SIGNS DIVISION, 7100 NW 36 ST. TELEPHONE (305) 592-8925.

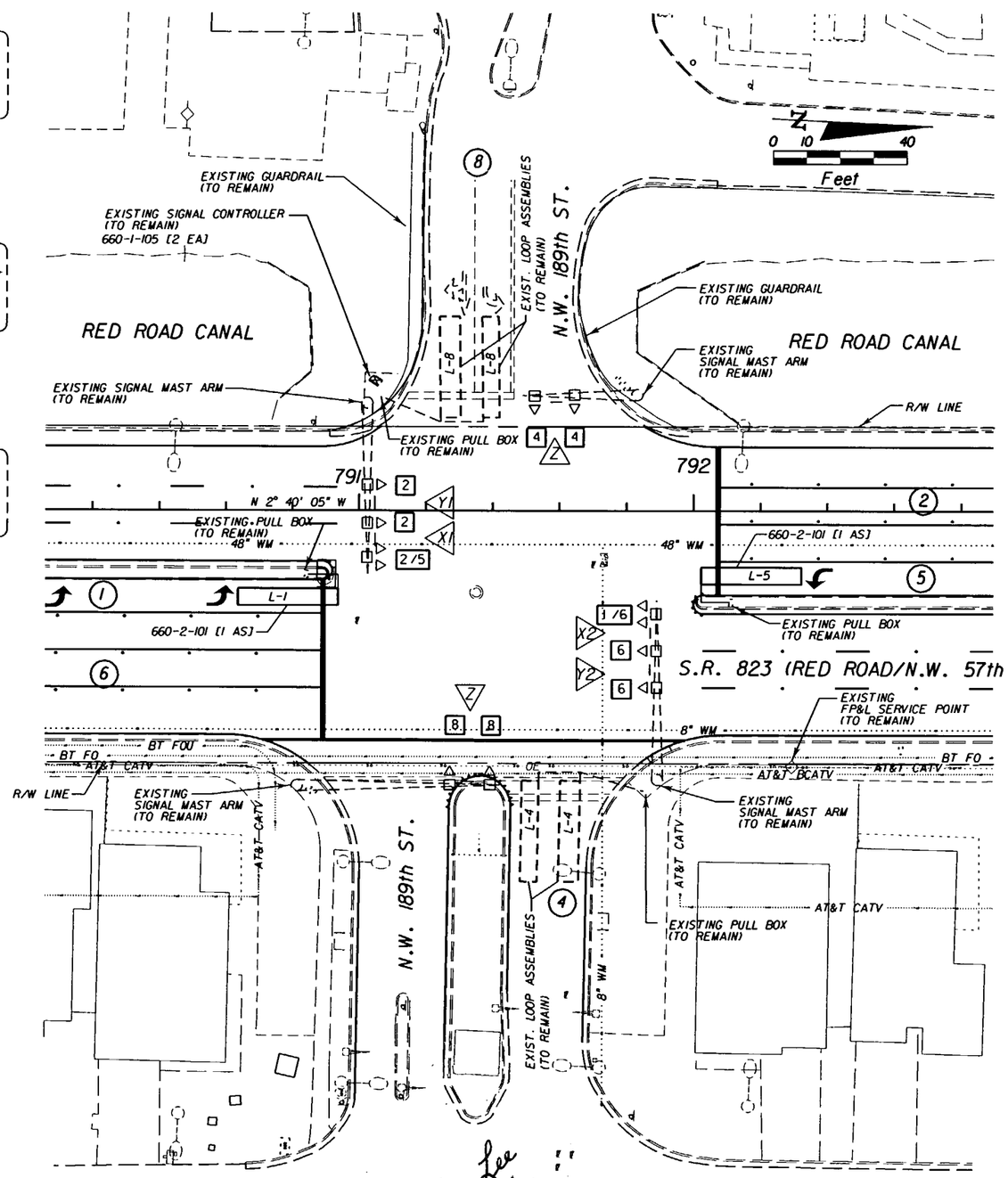
X1
← MONTEREY BLVD
NW 189 ST
EXISTING D3-IS [1 EA]

X2
← LE CLUB
NW 189 ST
EXISTING D3-IS [1 EA]

Y1
LE CLUB →
NW 189 ST
EXISTING D3-IS [1 EA]

Y2
MONTEREY BLVD →
NW 189 ST
EXISTING D3-IS [1 EA]

Z
RED RD
NW 57 AV
EXISTING D3-IS [2 EA]



NOTE:

1. CONTRACTOR SHALL LOCATE EXISTING PULL BOXES AND LOOP RUN CONDUITS. INSTALL NEW LOOP ASSEMBLIES AT LOCATIONS SHOWN IN PLANS, AND RUN LOOP WIRE THROUGH EXISTING CONDUIT TO EXISTING TRAFFIC CONTROLLER AND CONNECT WITHIN.

2. CONTRACTOR SHALL INSTALL NEW LOOP DETECTORS IN EXISTING CONTROLLER ASSEMBLY AND WIRE EXISTING LOOP RUNS AND NEW LOOP RUNS TO DETECTOR AS INDICATED IN CHART.

DETECTORS FOR LOOPS		
LOOPS	NO. OF LOOPS	NO. OF DETS.
L-1	1	1
L-4	2*	1*
L-5	1	1
L-8	2*	1*

* EXISTING TO REMAIN

Victor Lee 06/19/06

S.R. 823 (RED ROAD/N.W. 57th AV.) AND N.W. 189th ST

ID# 5737

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

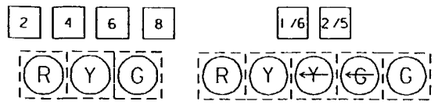
SIGNALIZATION PLAN

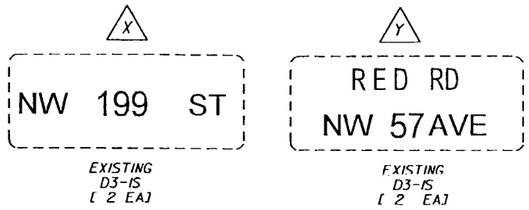
See As-Built (previous page)

SHEET NO. 52

USER: ArmandoL 11/09/2004 09:24:07 AM \\dcl\caddproj\proj\03\3141\414617\Signals\plansg01.dgn

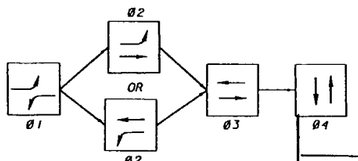
SIGNAL HEAD DETAILS



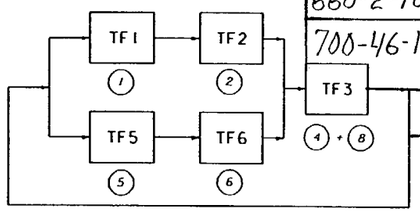


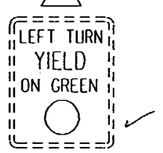
SIGNAL OPERATING PLAN

EXISTING PHASE MOVEMENT DIAGRAM (TO REMAIN)



EXISTING RING DIAGRAM (TO REMAIN)





EXISTING R10-12 (TO BE REMOVED) 700-46-14 [1 EA] ✓

660-1-105	INDUCTIVE LOOP DETECTOR	3 ✓ EA
660-2-101	LOOP ASSEMBLY (THRU & TURN)	✓ 4 AS
700-46-14	SIGN EXISTING (REMOVE)	1 ✓ EA.

SIGNALIZATION NOTES

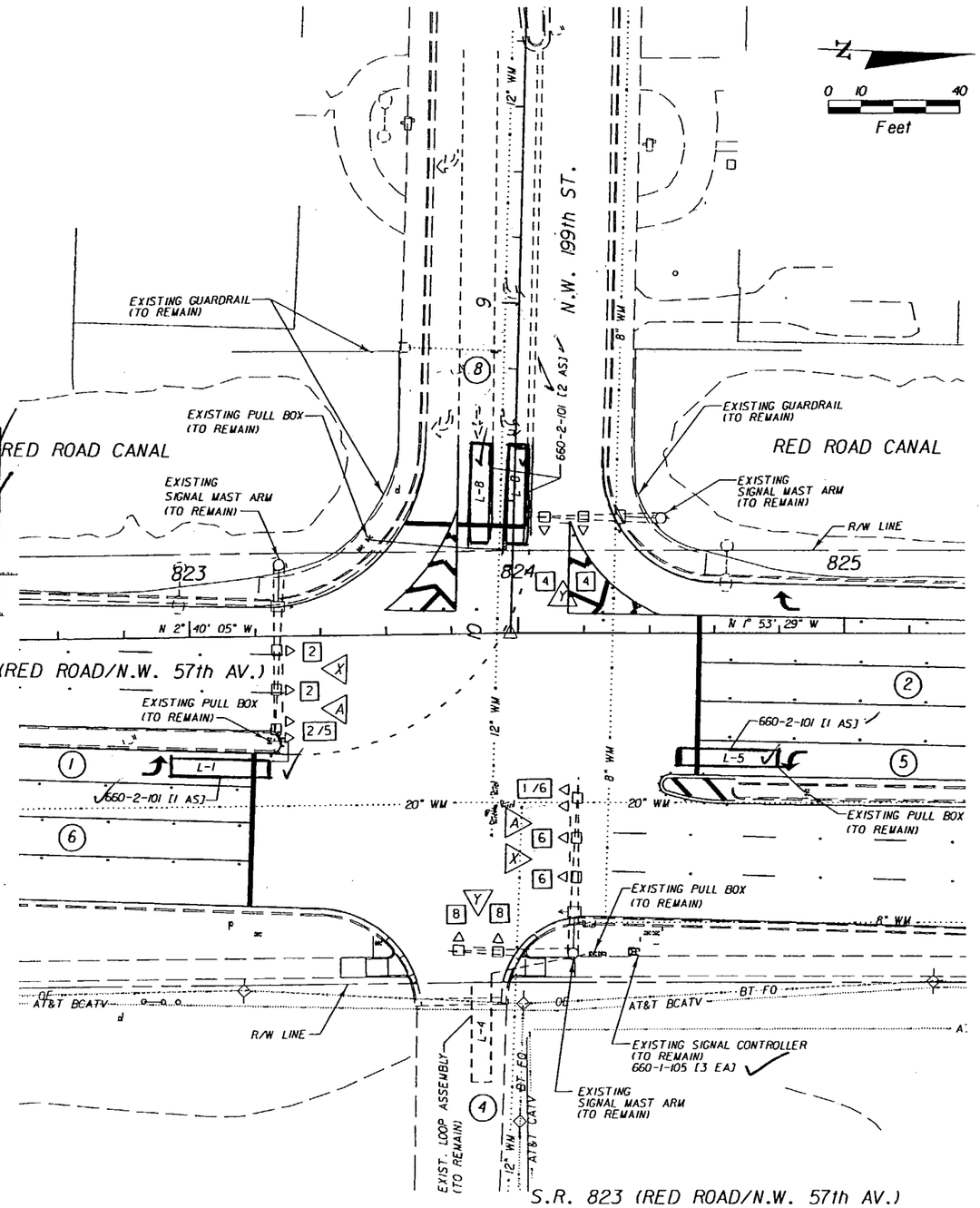
1. EXISTING CONTROLLER OPERATIONS TO REMAIN.
   - A. CONTROLLER ASSEMBLY SEMI-ACTUATED WITH COORDINATION CAPABILITIES.
   - B. MAJOR STREET IS RED ROAD (N.W. 57th AVE.). MINOR STREET IS N.W. 199th ST.
   - C. COORDINATION IS ON MOVEMENTS ② + ⑥.
   - D. FLASHING OPERATION TO BE: YELLOW ON RED ROAD (N.W. 57th AVE.). (MOVEMENTS ①, ②, ⑤ & ⑥). RED ON N.W. 199th ST. (MOVEMENTS ④ + ⑧).
2. TIMING WILL BE PROVIDED BY MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SIGNALS AND SIGNS DIVISION. 7100 NW 36 ST. TELEPHONE (305) 592-8925.

DETECTORS FOR LOOPS		
LOOPS	NO. OF LOOPS	NO. OF DETS.
L-1	1	1
L-4	2	1
L-5	1	1
L-8	1*	1*

* EXISTING TO REMAIN

NOTE:

1. CONTRACTOR SHALL LOCATE EXISTING PULL BOXES AND LOOP RUN CONDUITS. INSTALL NEW LOOP ASSEMBLIES AT LOCATIONS SHOWN IN PLANS, AND RUN LOOP WIRE THROUGH EXISTING CONDUIT TO EXISTING TRAFFIC CONTROLLER AND CONNECT WITHIN.



ID# 5426

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

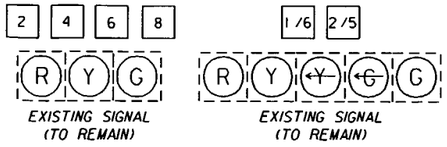
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

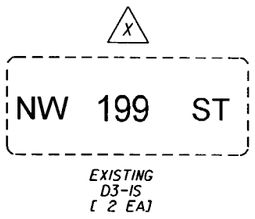
SIGNALIZATION PLAN

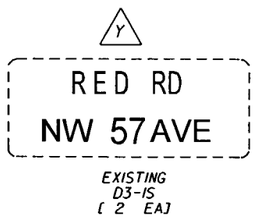
SHEET NO. 53

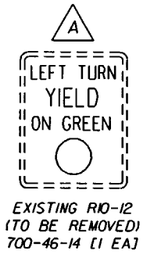
$USER$ 11/11/2004 10:55:10 AM u:\proj\03\0341\414617\signals\plansg02.dgn

SIGNAL HEAD DETAILS





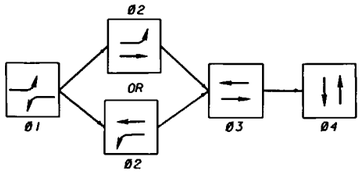




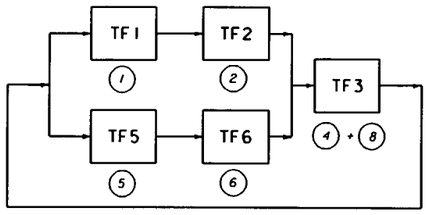
EXISTING R10-12
(TO BE REMOVED)
700-46-14 [1 EA]

SIGNAL OPERATING PLAN

EXISTING PHASE MOVEMENT DIAGRAM
(TO REMAIN)



EXISTING RING DIAGRAM
(TO REMAIN)



SIGNALIZATION NOTES

1. EXISTING CONTROLLER OPERATIONS TO REMAIN.
   A. CONTROLLER ASSEMBLY SEMI-ACTUATED WITH COORDINATION CAPABILITIES.
   B. MAJOR STREET IS RED ROAD (N.W. 57th AVE.),
      MINOR STREET IS N.W. 199th ST.
   C. COORDINATION IS ON MOVEMENTS ② + ⑥.
   D. FLASHING OPERATION TO BE:
      YELLOW ON RED ROAD (N.W. 57th AVE.). (MOVEMENTS ①, ②, ⑤ & ⑥).
      RED ON N.W. 199th ST. (MOVEMENTS ④ + ⑧).

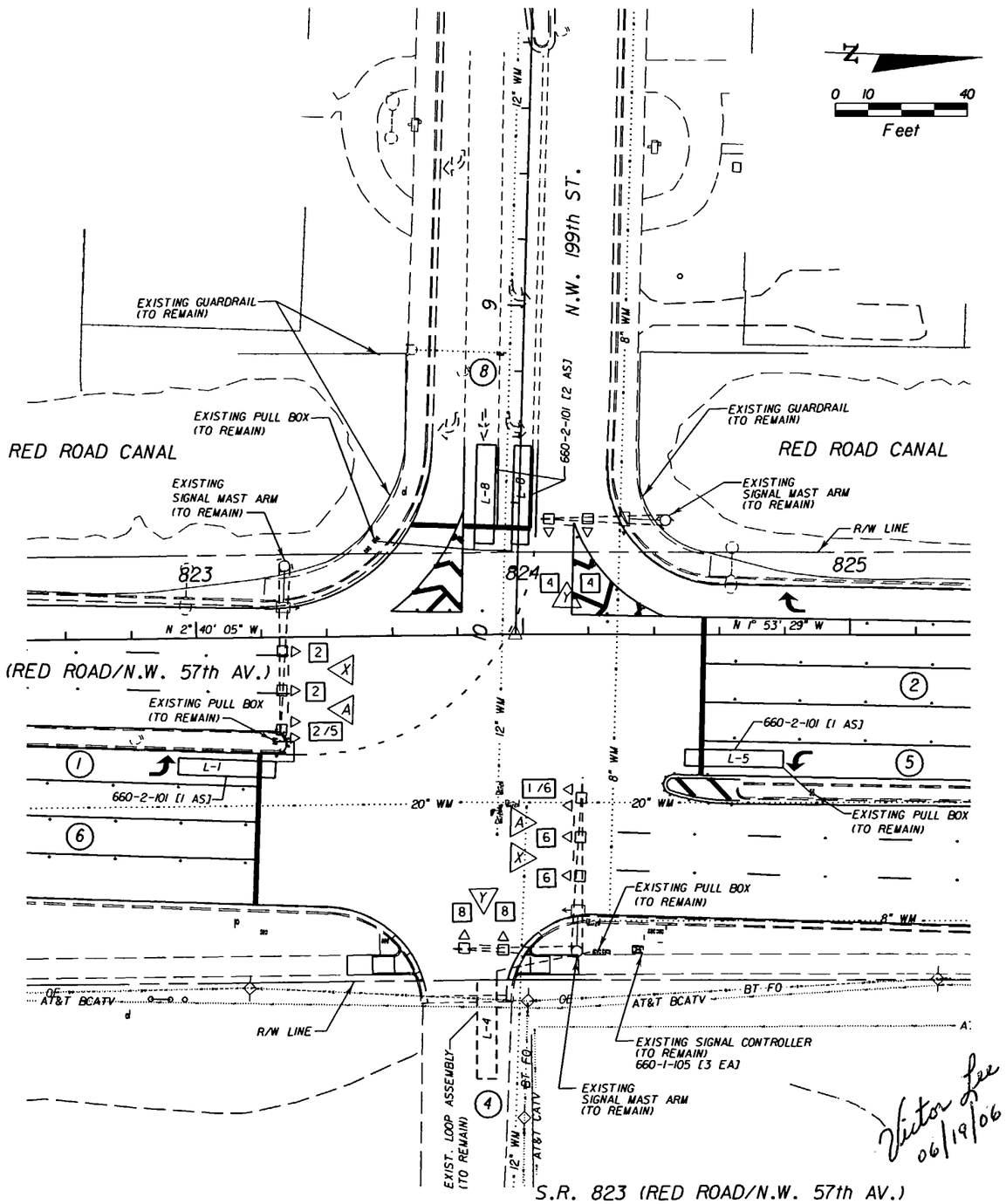
2. TIMING WILL BE PROVIDED BY MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SIGNALS AND SIGNS DIVISION, 7100 NW 36 ST, TELEPHONE (305) 592-8925.

DETECTORS FOR LOOPS		
LOOPS	NO. OF LOOPS	NO. OF DETS.
L-1	1	1
L-4	2	1
L-5	1	1
L-8	1*	1*

* EXISTING TO REMAIN

NOTE:

1. CONTRACTOR SHALL LOCATE EXISTING PULL BOXES AND LOOP RUN CONDUITS. INSTALL NEW LOOP ASSEMBLIES AT LOCATIONS SHOWN IN PLANS, AND RUN LOOP WIRE THROUGH EXISTING CONDUIT TO EXISTING TRAFFIC CONTROLLER AND CONNECT WITHIN.



Victor Lee 06/19/06

ID# 5426

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

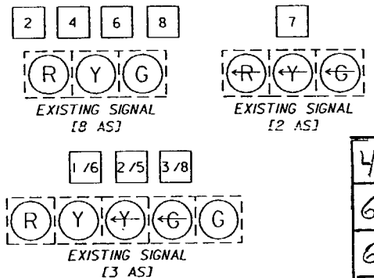
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNALIZATION PLAN
(SEE AS-BUILT, PREVIOUS PAGE)

SHEET NO. 53

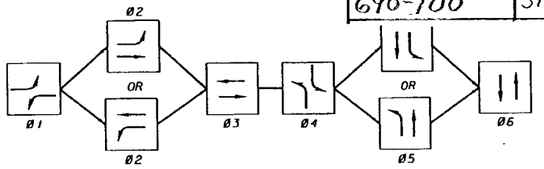
$USER$ 11/11/2004 10:55:10 AM u:\proj\03\0341\414617\signals\plansg02.dgn

SIGNAL HEAD DETAILS

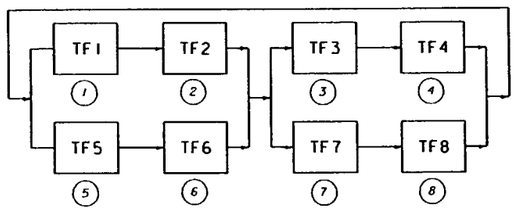


SIGNAL OPERATING PLAN

EXISTING PHASE MOVEMENT DIAGRAM
(TO REMAIN)



EXISTING RING DIAGRAM
(TO REMAIN)



SIGNALIZATION NOTES

1. EXISTING CONTROLLER OPERATIONS TO REMAIN.
   A. CONTROLLER ASSEMBLY SEMI-ACTUATED WITH COORDINATION CAPABILITIES.
   B. MAJOR STREET IS RED ROAD (N.W. 57th AVE.).
      MINOR STREET IS N.W. 202nd ST.
   C. COORDINATION IS ON MOVEMENTS ② + ⑥.
   D. FLASHING OPERATION TO BE:
      YELLOW ON RED ROAD (N.W. 57th AVE.). (MOVEMENTS ①. ②. ⑤ & ⑥).
      RED ON N.W. 202nd ST. (MOVEMENTS ③. ④. ⑦ & ⑧).

2. TIMING WILL BE PROVIDED BY MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SIGNALS AND SIGNS DIVISION. 7100 NW 36 ST. TELEPHONE (305) 592-8925.

DETECTORS FOR LOOPS		
LOOPS	NO. OF LOOPS	NO. OF DETS.
L-1	1	1
L-3	1	1
L-4	2	1
L-5	1	1
L-7	2	1
L-8	2	1

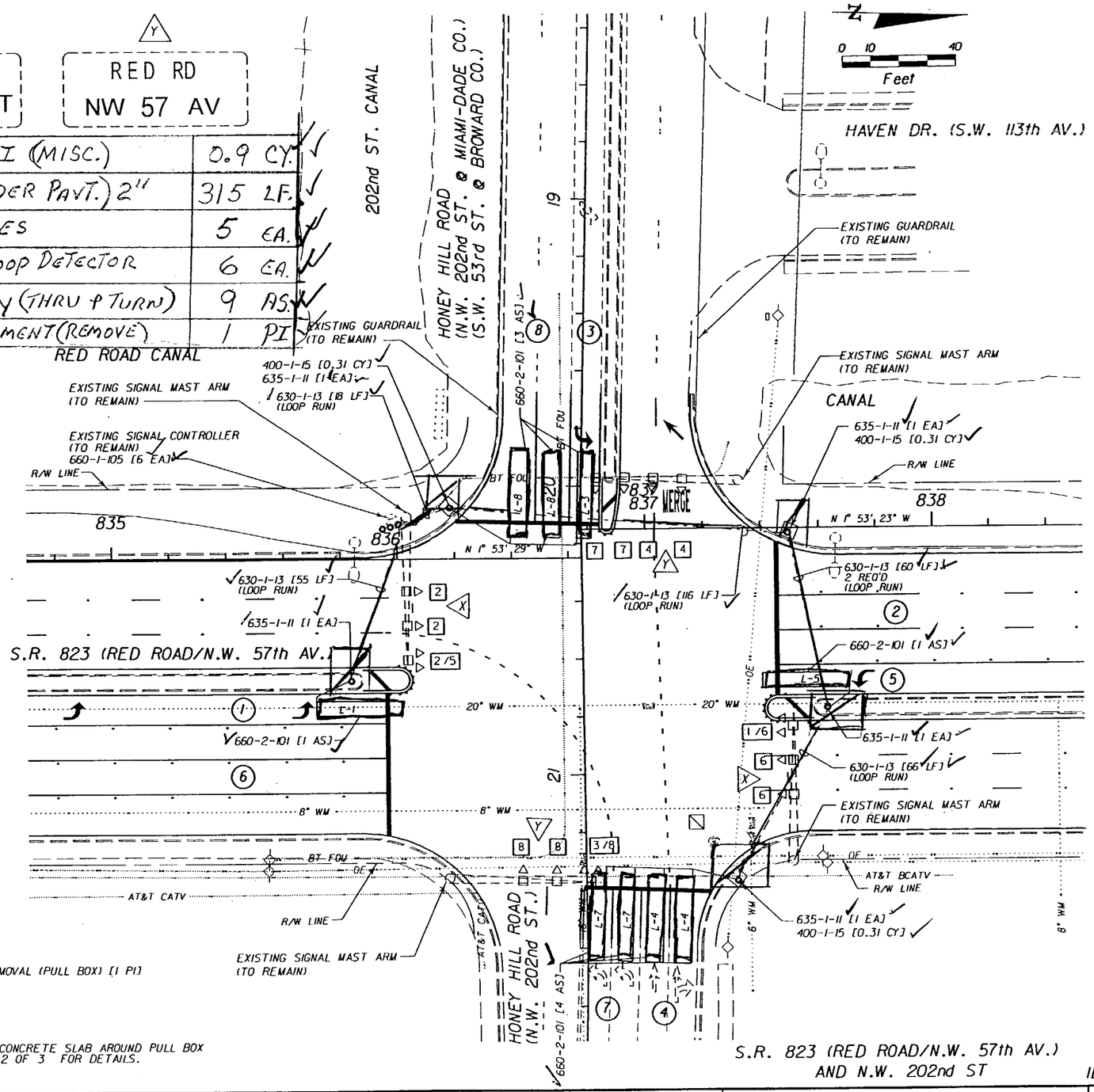
400-1-15	CONC. CLASS I (MISC.)	0.9 CY.
630-1-13	CONDUIT (UNDER PAVT.) 2"	315 LF.
635-1-11	PULL BOXES	5 EA.
660-1-105	INDUCTIVE LOOP DETECTOR	6 EA.
660-2-101	LOOP ASSEMBLY (THRU & TURN)	9 AS.
690-100	SIGNAL EQUIPMENT (REMOVE)	1 PI

REMOVAL ITEM:

690-100 SIGNAL EQUIPMENT. MISCELLANEOUS REMOVAL (PULL BOX) [1 PI]

NOTE:

1. CONTRACTOR SHALL CONSTRUCT A 5' X 5' CONCRETE SLAB AROUND PULL BOX IN GRASS AREA. SEE INDEX 17500. SHEET 2 OF 3 FOR DETAILS.



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

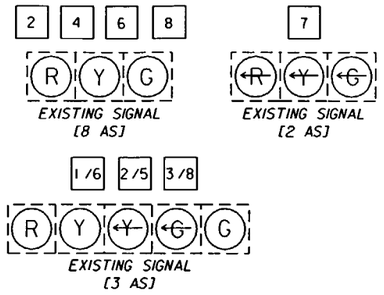
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNALIZATION PLAN

SHEET NO. 54

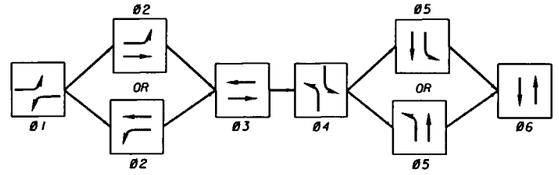
USER: Armandol. 11/09/2004 09:24:13 AM \\dcl\caddproj\proj\03\0314\414617\signals\plans03.dgn

SIGNAL HEAD DETAILS

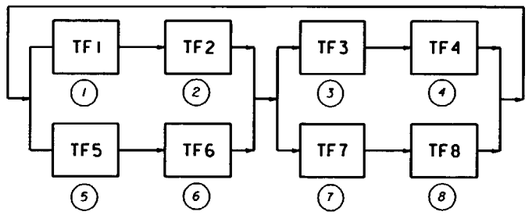


SIGNAL OPERATING PLAN

EXISTING PHASE MOVEMENT DIAGRAM (TO REMAIN)



EXISTING RING DIAGRAM (TO REMAIN)



SIGNALIZATION NOTES

1. EXISTING CONTROLLER OPERATIONS TO REMAIN.
   A. CONTROLLER ASSEMBLY SEMI-ACTUATED WITH COORDINATION CAPABILITIES.
   B. MAJOR STREET IS RED ROAD (N.W. 57th AVE.).
      MINOR STREET IS N.W. 202nd ST.
   C. COORDINATION IS ON MOVEMENTS ② + ⑥.
   D. FLASHING OPERATION TO BE:
      YELLOW ON RED ROAD (N.W. 57th AVE.). (MOVEMENTS ①. ②. ⑤ & ⑥).
      RED ON N.W. 202nd ST. (MOVEMENTS ③. ④. ⑦ & ⑧).

2. TIMING WILL BE PROVIDED BY MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SIGNALS AND SIGNS DIVISION, 7100 NW 36 ST. TELEPHONE (305) 592-8925.

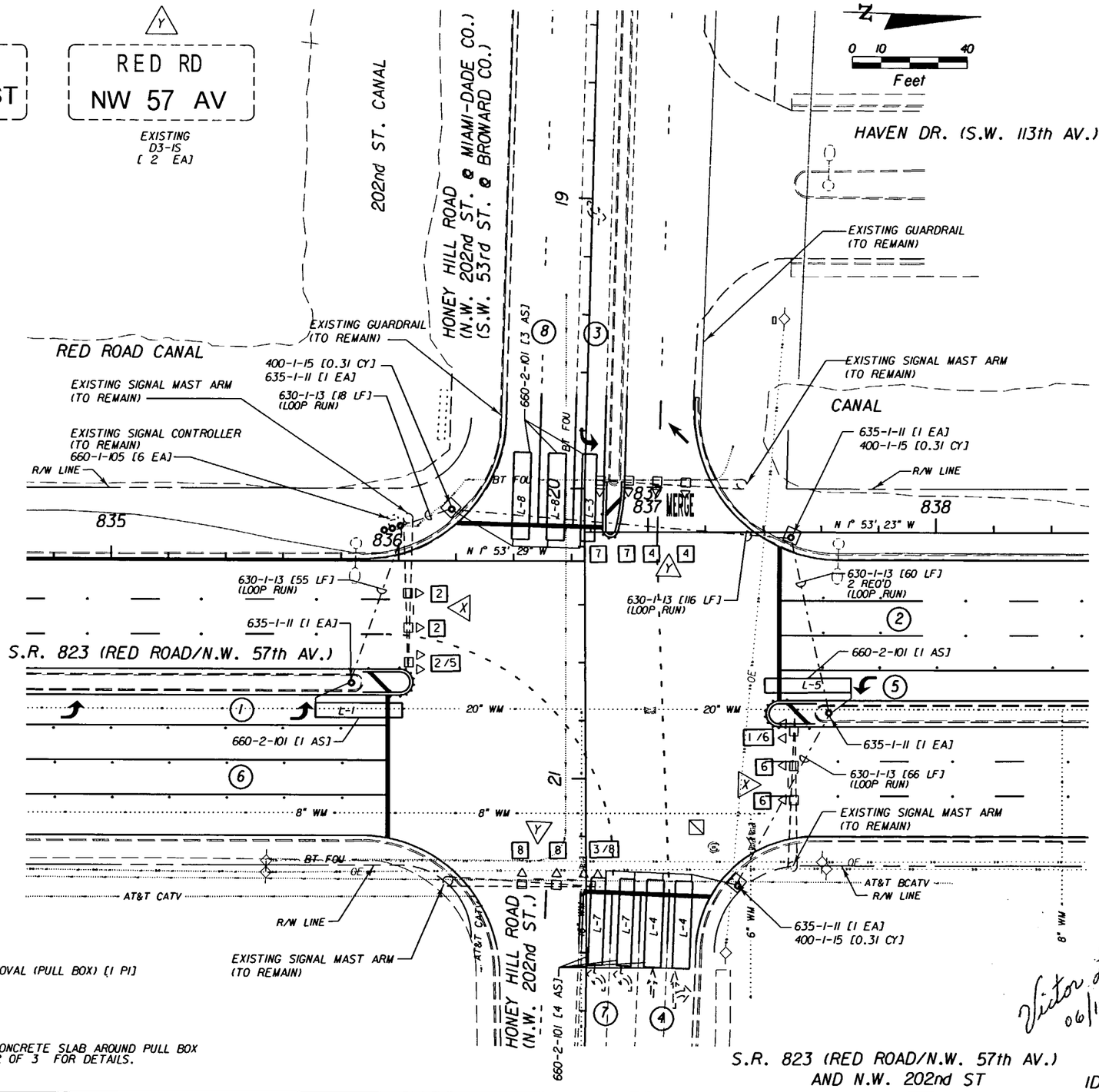
DETECTORS FOR LOOPS		
LOOPS	NO. OF LOOPS	NO. OF DETS.
L-1	1	1
L-3	1	1
L-4	2	1
L-5	1	1
L-7	2	1
L-8	2	1

REMOVAL ITEM:

690-100 SIGNAL EQUIPMENT, MISCELLANEOUS REMOVAL (PULL BOX) (1 PI)

NOTE:

1. CONTRACTOR SHALL CONSTRUCT A 5' X 5' CONCRETE SLAB AROUND PULL BOX IN GRASS AREA. SEE INDEX 17500, SHEET 2 OF 3 FOR DETAILS.



Victor Lee 06/19/06

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNALIZATION PLAN

(See AS-BUILD, Previous PAGE)

SHEET NO. 54

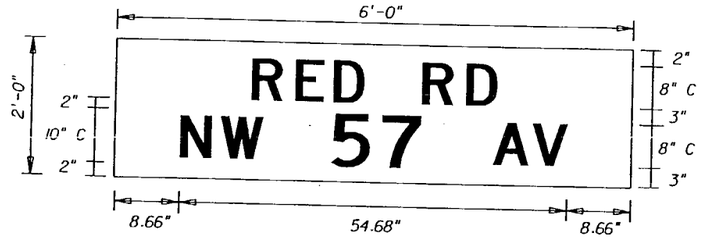
USER: ArmandoL 11/09/2004 09:24:13 AM \\dci\caddpro\pro\03\03141\414617\Signals\plansg03.dgn

SIGN PANEL	X
QUANTITY	1
WIDTH	6'-0"
HEIGHT	2'-0"
BORDER WIDTH	0"
BORDER RADII	0"
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
STATIONS(S)	none

SYMBOL(S)	X	Y	WID	HT

SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE	AVERAGE LENGTH

2'-0" X 6'-0" Internally Illuminated Sign Assembly



* NOTE:
Single Side Sign

COPY		R	E	D		R	D	
SPACE	18.89	6.06	5.34	4.38	5.00	6.06	4.38	18.89

COPY		N	W		5	7		A	V	
SPACE	8.66	5.72	6.00	10.00	7.16	5.47	10.00	5.45	4.88	8.66

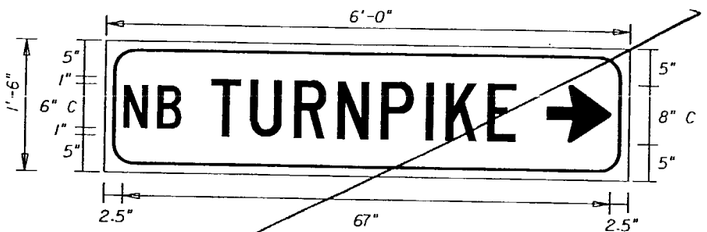
COPY
SPACE
COPY
SPACE
COPY
SPACE
COPY
SPACE

SIGN PANEL	Z
QUANTITY	1
WIDTH	6'-0"
HEIGHT	1'-6"
BORDER WIDTH	0.5"
BORDER RADII	3"
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
STATIONS(S)	none

SYMBOL(S)	X	Y	WID	HT
ARSHRT	60.5	5.0	9.0"	8.0"

SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE	AVERAGE LENGTH

1'-6" X 6'-0" Internally Illuminated Sign Assembly



* NOTE:
Single Side Sign

COPY		N	B		T	U	R	N	P	I	K	E			
SPACE	2.5	4.5	3.3	4.0	5.4	6.1	6.0	6.1	6.1	2.8	5.7	4.0	4.0	9.0	2.5

COPY
SPACE
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SPACE
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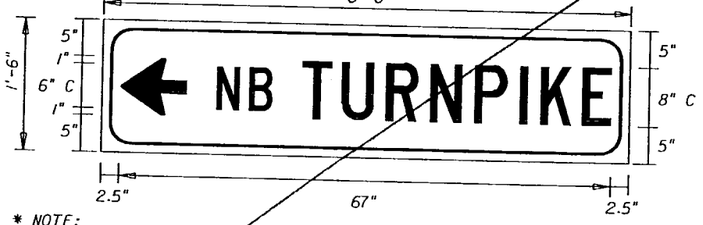
SPACE
COPY
SPACE

SIGN PANEL	Y
QUANTITY	1
WIDTH	6'-0"
HEIGHT	1'-6"
BORDER WIDTH	0.5"
BORDER RADII	3"
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
STATIONS(S)	none

SYMBOL(S)	X	Y	WID	HT
ARSHRT, 180deg	2.5	5.0	9.0"	8.0"

SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE	AVERAGE LENGTH

1'-6" X 6'-0" Internally Illuminated Sign Assembly



* NOTE:
Single Side Sign

COPY			N	B		T	U	R	N	P	I	K	E	
SPACE	2.5	9.0	4.0	4.5	3.3	4.0	5.4	6.1	6.0	6.1	6.1	2.8	5.7	4.0	2.5

COPY
SPACE
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SIGN PANEL	
QUANTITY	
WIDTH	
HEIGHT	
BORDER WIDTH	
BORDER RADII	
BACKGROUND COLOR	
LEGEND & BORDER COLOR	
STATIONS(S)	

SYMBOL(S)	X	Y	WID	HT

SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE	AVERAGE LENGTH

COPY
SPACE
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SPACE

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

SIGNALIZATION
GUIDE SIGN WORK SHEET

SHEET NO. 56

USER: Armando 12/08/2004 04:54:45 PM

STANDARD MAST ARM ASSEMBLIES DESIGN TABLE

STRUCTURE ID NUMBERS	ASSEMBLY NUMBERS (1)	FIRST ARM			SECOND ARM			UF (deg)	POLE				SPECIAL DRILLED SHAFT DATA (4)			
		ARM TYPE	FAA (ft.)(2)	FBA (in.)(2)	ARM TYPE	FAA (ft.)(2)	FBA (in.)(2)		POLE TYPE	UAA (ft.)(3)	UB (ft.)	UCA (in.)(3)	* DA (ft.)	DB (ft.)	RA	RB
A	C3 - R2	C3	-	-	-	-	-	-	R2	20.50	19.0	12 J3	-	-	-	-
B	C1 - R1	C1	-	-	-	-	-	-	R1	20.50	19.0	10 J3	-	-	-	-
C	C6 - R4	C6	-	-	-	-	-	-	R4	20.75	19.0	18 J0	-	-	-	-

TABLE NOTES:

(1) Assembly Number Legend
Single Arm:
Arm Type - Pole Type = C# - R#
Arm Type - Double Arm = C# - C# - R#

(2) If an entry appears in columns "FAA" and "FBA", a shorter arm is required. This is obtained by removing length from the arm tip. For these cases the mast arm length shall be shortened from "FA" to "FAA" and the tip diameter shall be increased from "FB" to "FBA".

(3) If an entry appears in columns "UAA" and "UCA", a shorter pole is required. This is obtained by removing length from the pole tip. For these cases the pole height shall be shortened from "UA" to "UAA" and the pole tip diameter shall be increased from "UC" to "UCA".

(4) The foundations for Standard Mast Arm Assemblies are pre-designed and are based upon the following conservative soil criteria which covers the great majority of soil types found in Florida. Only complete the "Special Drilled Shaft Data" information if site conditions dictate drilled shafts with additional foundation capacity.

Classification = Cohesionless (Fine Sand)
Friction Angle = 30 Degrees (30°)
Unit Weight = 50 lbs./cu. ft. (assumed saturated)

GENERAL NOTES:

(1) Work this sheet with the Signal Designer's "Mast Arm Tabulation". See "Mast Arm Tabulation" for special instructions that include non-standard Handhole location, paint color, terminal compartment requirement, and pedestrian features.

(2) Work this sheet with "Roadway and Traffic Design Standards" Index Nos. 17741 thru 17745 as necessary.

REVIEWED

S.R. 823 (RED ROAD/N.W. 57th AV.)
AND FLORIDA'S TURNPIKE RAMPS (NORTHBOUND)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

MAST ARM ASSEMBLIES INDEX NO. S-1700

SHEET NO. 57

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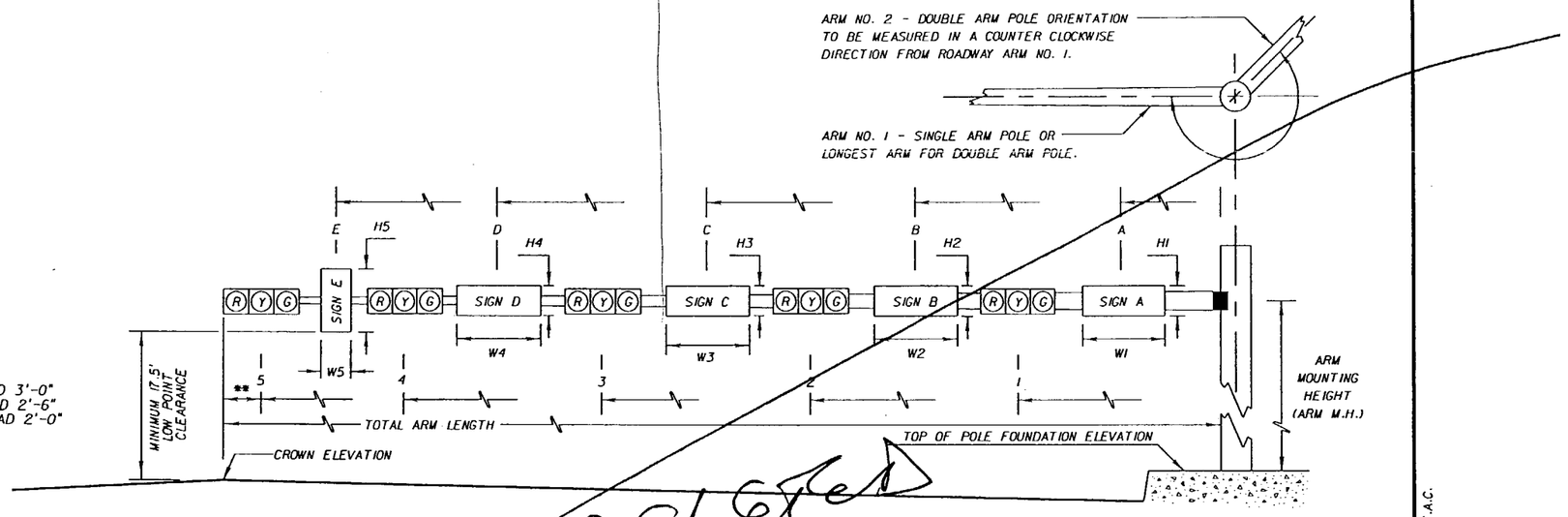
SPECIAL INSTRUCTIONS					
ID NO.	LOCATION BY STATION	PED. BUTTON	PED. SIGNALS		HANDHOLE LOCATION

** FIVE SECTION SIGNAL HEAD 3'-0"
FOUR SECTION SIGNAL HEAD 2'-6"
THREE SECTION SIGNAL HEAD 2'-0"



(1) ELEVATION DIFFERENCE = TOP OF POLE FOUNDATION - CROWN ELEVATION
(ELEVATION DIFFERENCE TO BE MEASURED ALONG THE LENGTH OF MAST ARM)

* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

						SIGNAL DATA												SIGN DATA																	
									DISTANCE FROM POLE																												
ID NO.	SHEET NO.	LOCATION BY STA.		ROWY ARM NO.	(1) ELEVATION DIFFERENCE	SIGNAL V/H	BACK PLATES Y/N	PED. SIGNAL Y/N	1	*	2	*	3	*	4	*	5	*	TOTAL ARM LENGTH	ARM M.H.	∠ BETWEEN DUAL ARMS 90/270	DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN																	
																						A	H1	W1	B	H2	W2	C	H3	W3	D	H4	W4	E	H5	W5
A	55	878+91.00		1		H	N	N	32	3	44	3							46'	19'		16'	1.5'	6'											
				2																															
B	55	879+02.00		1		H	Y	N	22	3	34	3							36'	19'		10'	2'	6'											
				2																															
C	55	880+22.00		1		H	N	N	26.5	3	38.5	3	56.5	3	68.5	3			70.5'	19'		13'	1.5'	6'	62.5'	2.5'	2'								
				2																															
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVID PLUMMER & ASSOCIATES, INC.
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FLORIDA 33134
CERTIFICATE OF AUTHORIZATION EB 2690
VICTOR LEE P.E. NO. 35233

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

MAST ARM TABULATION

SHEET NO. 58

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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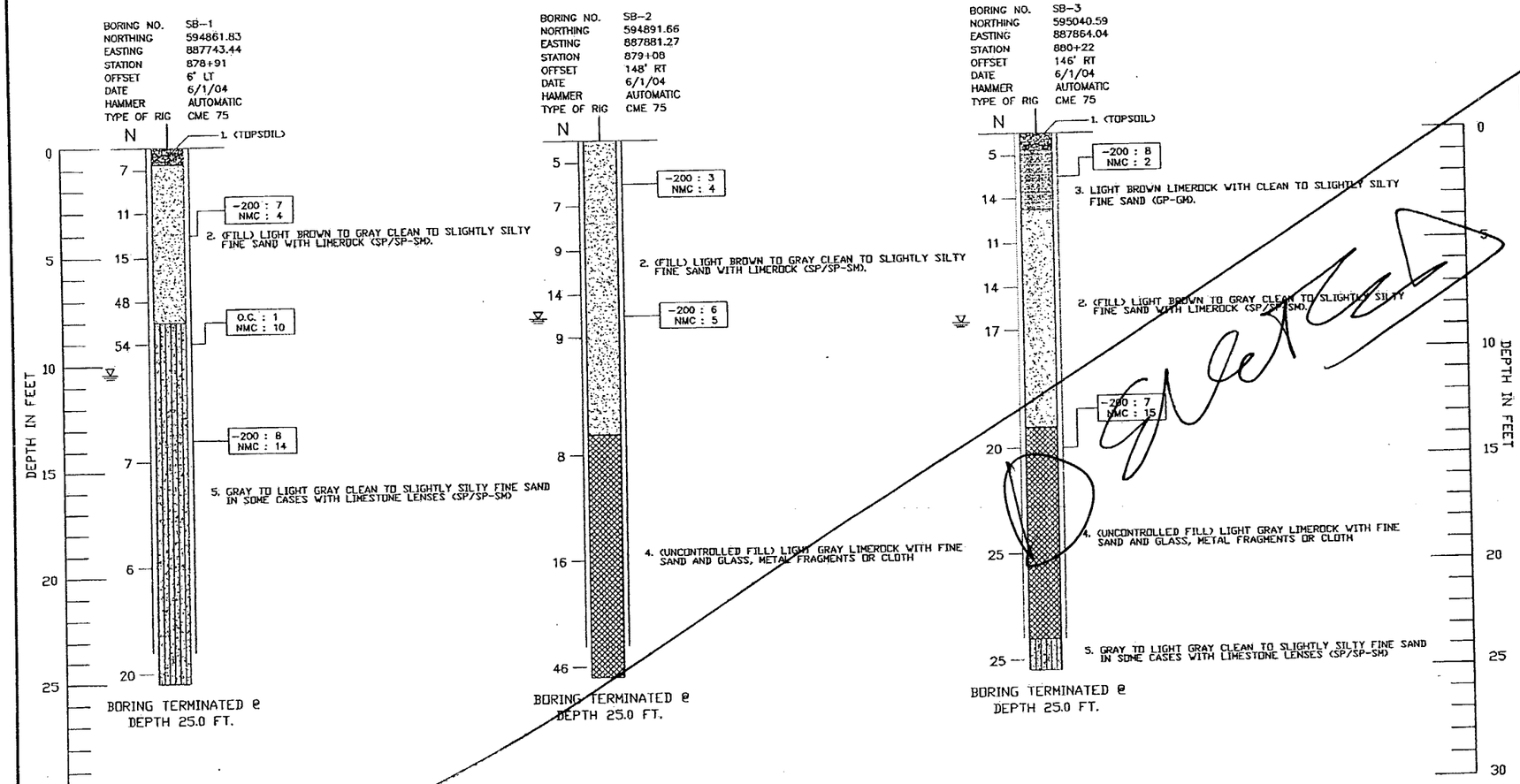


LEGEND

1. (TOPSOIL)
2. (FILL) LIGHT BROWN TO GRAY CLEAN TO SLIGHTLY SILTY FINE SAND WITH LIMEROCK (SP/SP-SM)
3. LIGHT BROWN LIMEROCK WITH CLEAN TO SLIGHTLY SILTY FINE SAND (GP-GM).
4. (UNCONTROLLED FILL) LIGHT GRAY LIMEROCK WITH FINE SAND AND GLASS, METAL FRAGMENTS OR CLOTH
5. GRAY TO LIGHT GRAY CLEAN TO SLIGHTLY SILTY FINE SAND IN SOME CASES WITH LIMESTONE LENSES (SP/SP-SM)

NOTES:

- ▼ WATER TABLE AT TIME OF DRILLING
- N NUMBERS TO THE LEFT OF BORINGS INDICATE SPT N VALUE FOR 12" PENETRATION (UNLESS OTHERWISE NOTED).
- || || CASING USED
- -200 FINE PASSING NO. 200 SIEVE (%)
- NMC NATURAL MOISTURE CONTENT (%)
- OC ORGANIC CONTENT (%)

STATIONS AND OFFSETS ARE REFERENCED TO S.R. 823 SURVEY BASELINE.

DRILLED BY DANIEL CORREA (PSI)

GRANULAR MATERIALS- RELATIVE DENSITY	AUTOMATIC HAMMER SPT-N (BLOWS/12 In)
VERY LOOSE	LESS THAN 3
LOOSE	3-7
MEDIUM	7-21
DENSE	21-35
VERY DENSE	GREATER THAN 35

SILTS AND CLAYS CONSISTENCY	AUTOMATIC HAMMER SPT-N (BLOWS/12 In)
VERY SOFT	LESS THAN 1
SOFT	1-3
FIRM	3-6
STIFF	6-11
VERY STIFF	11-21
HARD	GREATER THAN 21

THIS DRAWING WAS PREPARED UNDER DISTRICT/AREAWIDE CONTRACT FM No. 250730-1-32-02

8/4/04
ENGINEER OF RECORD
HUGO E. SOTO, P.E.
FLA. REG. No. 36440

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

PSI ENVIRONMENTAL GEOTECHNICAL CONSTRUCTION
CERTIFICATE OF AUTHORIZATION No. 3684
7950 N.W. 64th STREET, MIAMI, FL 33166
PHONE (305) 471-7725 * FAX (305) 593-1915

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

STATE ROAD No.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	414617-1-52-01

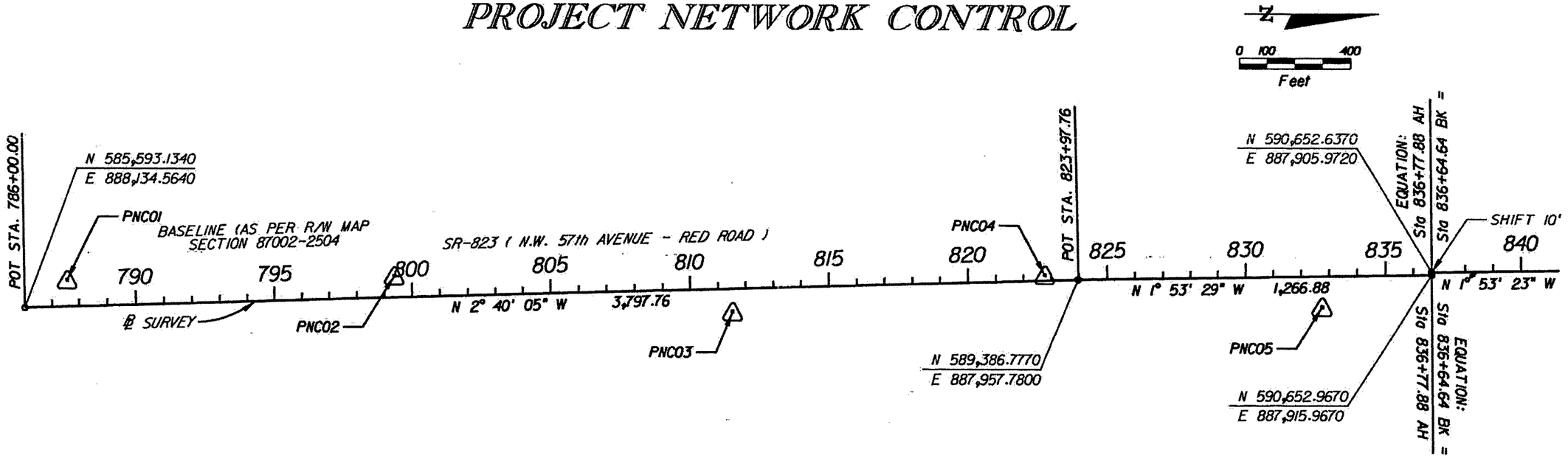
REPORT OF CORE BORINGS

PROPOSED SIGN STRUCTURES
SR 823 FROM NW 186th STREET
TO DADE BROWARD COUNTY LINE

SHEET NO. 59

PSI PROJECT No. 397-45067
SHEET No. 3

PROJECT NETWORK CONTROL



I HEREBY CERTIFY THIS PROJECT NETWORK CONTROL SKETCH, SHOWN AND DEPICTED HEREON, WAS DONE UNDER MY DIRECT SUPERVISION. THIS DRAWING CONSISTS OF TWO SHEETS AND IS A TRUE, ACCURATE AND COMPLETE DEPICTION OF A FIELD SURVEY PERFORMED UNDER MY DIRECTION AND COMPLETED ON 10/2003.

MANUEL G. VERA JR.
FLORIDA PROFESSIONAL SURVEYOR AND MAPPER No. 5291

MANUEL G. VERA & ASSOCIATES, INC.
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER LB NO. 2439
13960 S.W. 47th STREET
MIAMI, FLORIDA 33175

NOT VALID UNLESS SIGNED AND EMBOSSED WITH SURVEYOR'S SEAL

COORDINATES ARE BASED ON THE SYSTEM: FLORIDA EAST ZONE, FLORIDA STATE PLANE COORDINATE SYSTEM N.A.D. 1983 (ADJUSTMENT OF 1990)

VERTICAL INFORMATION IS RELATIVE TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (N.G.V.D. 1929)

THIS IS A U.S. SURVEY FOOT UNIT PROJECT

PROJECT NETWORK CONTROL TABULATION SHEET DETAILS

POINT NAME	(X) EASTING	(Y) NORTHING	SCALE FACTOR	LATITUDE	LONGITUDE	BASELINE STATION	OFFSET	(Z) ELEVATION	DESCRIPTION
PNC1	888032.5800	585746.0200	1.00000282	25°56'36.26342521	80°17'39.87431171	987+57.47	94.76 LEFT	7.200	F.D.O.T. BRASS DISK IN CONCRETE STAMP PNC01
PNC2	887995.7900	586924.9900	1.00000280	25°56'47.94219712	80°17'40.20774853	799+36.87	76.63 LEFT	8.340	F.D.O.T. BRASS DISK IN CONCRETE STAMP PNC02
PNC3	888096.3000	588145.6300	1.00000286	25°57'00.02634502	80°17'39.03460113	811+51.51	80.60 RIGHT	7.200	F.D.O.T. BRASS DISK IN CONCRETE STAMP PNC03
PNC4	887943.7200	589265.9100	1.00000278	25°57'11.13000795	80°17'40.64000698	822+77.68	19.67 LEFT	7.750	F.D.O.T. BRASS DISK IN CONCRETE STAMP PNC04
PNC5	888037.6830	590266.1760	1.00000283	25°57'21.03185981	80°17'39.55153395	832+74.04	108.88 RIGHT	7.190	F.D.O.T. BRASS DISK IN CONCRETE STAMP PNC05
PNC6	887894.3500	591181.4900	1.00000275	25°57'30.10499075	80°17'41.06780898	842+06.83	5.82 RIGHT	9.080	F.D.O.T. BRASS DISK IN CONCRETE STAMP PNC06
PNC7	888005.6710	592169.2570	1.00000281	25°57'39.88211582	80°17'39.78984811	851+90.39	149.66 RIGHT	6.850	F.D.O.T. BRASS DISK IN CONCRETE STAMP PNC07
PNC8	887877.4700	593245.0200	1.00000274	25°57'50.54355572	80°17'41.13091989	862+69.79	57.00 RIGHT	12.990	F.D.O.T. BRASS DISK IN CONCRETE STAMP PNC08
PNC9	887930.2630	594266.2390	1.00000277	25°58'00.65511337	80°17'40.49218206	872+88.63	159.94 RIGHT	12.790	F.D.O.T. BRASS DISK IN CONCRETE STAMP PNC09
PNC10	887801.7400	595627.5000	1.00000270	25°58'14.14419479	80°17'41.81999451	886+53.69	75.74 RIGHT	32.850	F.D.O.T. BRASS DISK IN CONCRETE STAMP PNC10

SR 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th. STREET TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MANUEL G. VERA & ASSOCIATES, INC.
ENGINEERS SURVEYORS MAPPERS
13960 S.W. 47th STREET
MIAMI, FL 33175-3616
TEL: (305) 221-6210 FAX: (305) 221-1295
License Business No. 2439

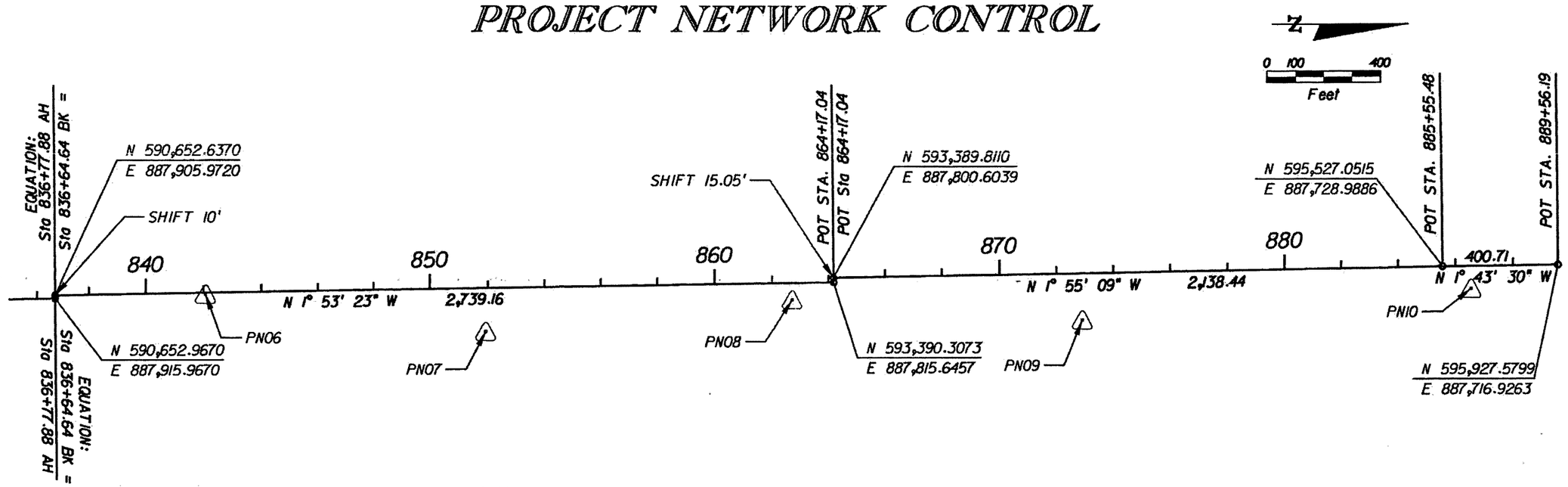
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

PROJECT NETWORK CONTROL

SHEET NO. 60

PROJECT NETWORK CONTROL



I HEREBY CERTIFY THIS PROJECT NETWORK CONTROL SKETCH, SHOWN AND DEPICTED HEREON, WAS DONE UNDER MY DIRECT SUPERVISION. THIS DRAWING CONSISTS OF TWO SHEETS AND IS A TRUE, ACCURATE AND COMPLETE DEPICTION OF A FIELD SURVEY PERFORMED UNDER MY DIRECTION AND COMPLETED ON 10/2003.

MANUEL G. VERA JR.
FLORIDA PROFESSIONAL SURVEYOR AND MAPPER No.5291

MANUEL G. VERA & ASSOCIATES, INC.
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER LB NO.2439
13960 S.W. 47th STREET
MIAMI, FLORIDA 33175

NOT VALID UNLESS SIGNED AND EMBOSSED WITH SURVEYOR'S SEAL

COORDINATES ARE BASED ON THE SYSTEM: FLORIDA EAST ZONE, FLORIDA STATE PLANE COORDINATE SYSTEM N.A.D.1983 (ADJUSTMENT OF 1990)

VERTICAL INFORMATION IS RELATIVE TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (N.G.V.D.1929)

THIS IS A U.S. SURVEY FOOT UNIT PROJECT

PROJECT NETWORK CONTROL TABULATION SHEET DETAILS

POINT NAME	(X) EASTING	(Y) NORTHING	SCALE FACTOR	LATITUDE	LONGITUDE	BASELINE STATION	OFFSET	(Z) ELEVATION	DESCRIPTION
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SR 823 (RED ROAD/N.W. 57th AV.)
FROM N.W. 186th. STREET TO MIAMI-DADE/BROWARD COUNTY LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MANUEL G. VERA & ASSOCIATES, INC.
ENGINEERS SURVEYORS MAPPERS
13960 S.W. 47th STREET
MIAMI, FL 33175-3616
TEL: (305) 221-6210 FAX: (305) 221-1295
License Business No. 2439

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	414617-1-52-01

PROJECT NETWORK CONTROL

SHEET NO. 61

APPENDIX F-2

Plans from Previous

FPID 249941-7-52-01

(FY 2015)

(Not Available)

APPENDIX F-3

Plans from Previous

FPID 430803-1-52-01

(FY 2016, Completed 2017)

CONSTRUCTION CONTRACT NO. T6350

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
1A	NOTES TO REVIEWER
2	SIGNATURE SHEET
3 - 10	SUMMARY OF PAY ITEMS
11 - 16	TYPICAL SECTION
SQ-1 - SQ-22	SUMMARY OF QUANTITIES
17	SUMMARY OF DRAINAGE STRUCTURES
18	OPTIONAL MATERIALS TABULATION
19	PROJECT LAYOUT
20 - 21	PROJECT NOTES
22 - 43	ROADWAY PLAN
44 - 47	DRAINAGE STRUCTURES
48	SPECIAL DETAILS
GR-1	ROADWAY SOIL SURVEY
49 - 52	TEMPORARY TRAFFIC CONTROL PLAN
CTL-1 - CTL-3	PROJECT NETWORK CONTROL SHEET

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

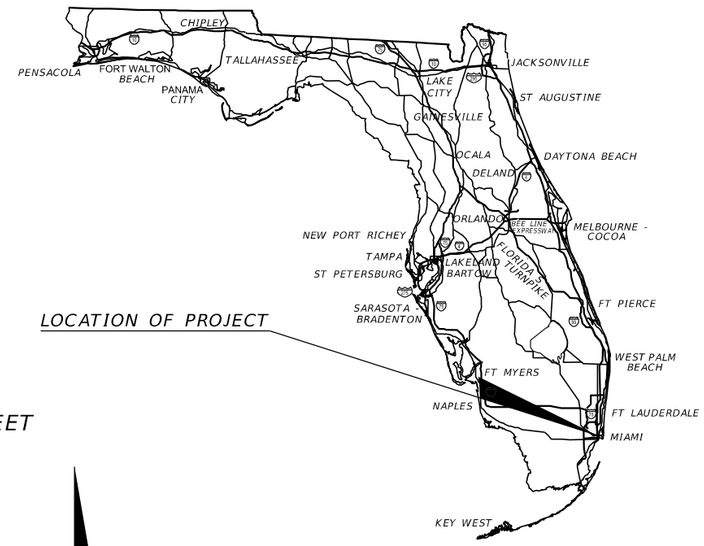
CONTRACT PLANS

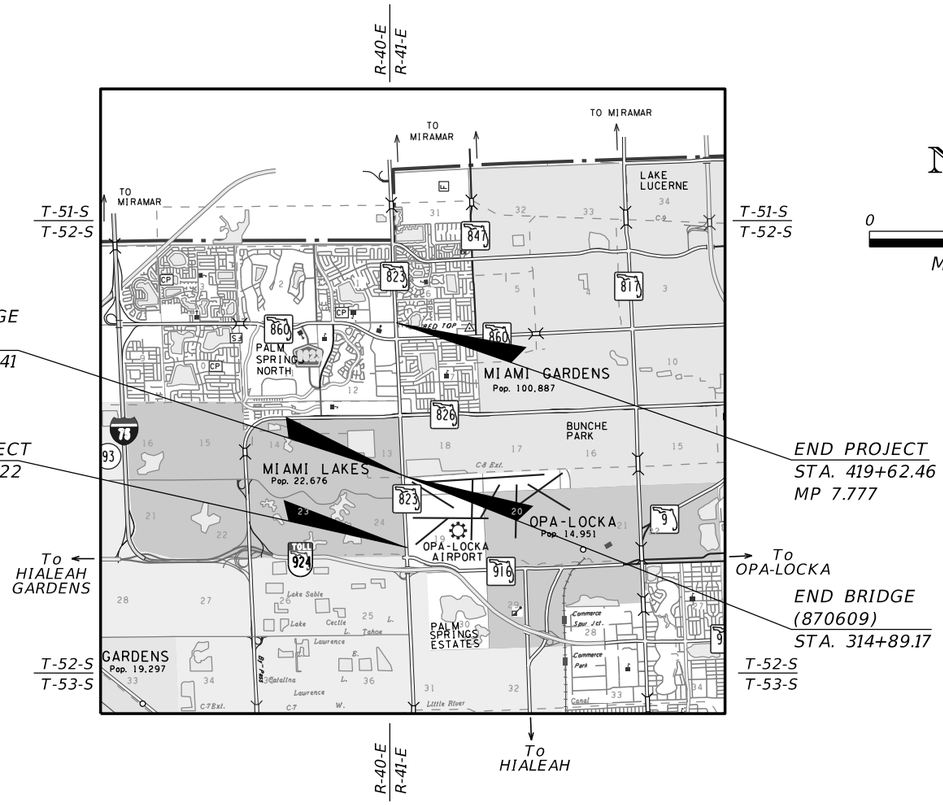
FINANCIAL PROJECT ID 430803-1-52-01 & 430803-1-52-02 (FEDERAL FUNDS)

MIAMI-DADE COUNTY (87002)

STATE ROAD NO. 823 / NW 57 AVENUE

FROM N OF SR 916 /NW 135th STREET/ W 84th STREET TO NW 186th STREET





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Miles

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:

SHELLEY ORTIZ, PE
JACOBS ENGINEERING GROUP INC.
3750 NW 87 AVENUE, STE 750
MIAMI, FL 33178

PLANS PREPARED BY:

JACOBS ENGINEERING GROUP INC.
3750 NW 87 AVENUE, STE 750
MIAMI, FL 33178
PHONE NO. (305) 718 0599
CONTRACT NO. C-9815
VENDOR NO. F954081636
CERTIFICATE OF AUTHORIZATION NO. 2822

GOVERNING STANDARDS AND SPECIFICATIONS:
Florida Department of Transportation, 2016 Design Standards and revised Index Drawings as appended herein, and July 2015 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

For Design Standards click on the "Design Standards" link at the following web site:
http://www.dot.state.fl.us/rddesign/

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:
http://www.dot.state.fl.us/specificationsoffice/

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

NOTE: THIS PROJECT IS TO BE LET TO CONTRACT WITH FINANCIAL PROJECT ID 430803-1-56-01 FOR ACCOUNTING PURPOSES ONLY AND HAS NO PLAN SHEETS.

REVISIONS

LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	14,736.48	2.791
BRIDGES	89.76	0.017
NET LENGTH OF PROJECT	14,826.24	2.808
EXCEPTIONS		
GROSS LENGTH OF PROJECT	14,826.24	2.808

FDOT PROJECT MANAGER: HONG BENITEZ, PE

KEY SHEET REVISIONS

DATE	DESCRIPTION

ROADWAY PLANS
ENGINEER OF RECORD: SHELLEY ORTIZ, PE

P.E. NO.: 63892

FISCAL YEAR	SHEET NO.
16	1

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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NOTES TO REVIEWER

This plans phase submittal is a re-submittal of PS&E due to added scope of work. The added improvements listed below should be the focus of this review.

1) All drainage improvements along SR 823 / NW 57th Avenue, between NW 183rd Street / Miami Gardens Drive and NW 186th Street in order to address reported flooding problems.

2) Improvements under FM 430803-1-52-02 added to this project as per recommendations from the Safety Study prepared for the intersection on SR 823 / NW 57th Avenue and SR 826. These improvements include:

a. Replacement of existing crash attenuators at the NB and SB approaches of the interchange with shorter attenuators.

b. Pavement reconstruction due to settlement issues on SR 823 / NW 57th Avenue and NW 167th Street WB.

c. Pavement widening at the first median opening north of the SR 823 / SR 826 interchange to extend the left turn lane for southbound SR 826 traffic.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

NOTES TO REVIEWER

SHEET NO. 1A

SHELLEY ORTIZ
LICENSE
No 63892
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JACOBS ENGINEERING GROUP, INC.
3750 NW 87TH AVENUE, SUITE 750
MIAMI, FLORIDA 33178
TEL. (305) 718-0599

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
1A	NOTES TO REVIEWER
2	SIGNATURE SHEET
3 - 5	SUMMARY OF PAY ITEMS
11 - 16	TYPICAL SECTION
SQ-1 - SQ-22	SUMMARY OF QUANTITIES
19	PROJECT LAYOUT
20 - 21	PROJECT NOTES
22 - 43	ROADWAY PLAN
49 - 52	TEMPORARY TRAFFIC CONTROL PLAN

SIGNING & PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2 - S-5	TABULATION OF QUANTITIES
S-6	GENERAL NOTES
S-7 - S-10; S-12 - S-28	SIGNING AND PAVEMENT MARKING PLANS
S-29	SPECIAL MARKING DETAILS
S-30	GUIDE SIGN WORKSHEET
S-31 - S-32	SIGN CROSS SECTIONS
S-33	MULTI-COLUMN SIGN DATA

HERNANDO R. RAMOS
LICENSE
No 42045
STATE OF FLORIDA
PROFESSIONAL ENGINEER

HR ENGINEERING SERVICES, INC.
7815 NW 72ND AVENUE
MEDLEY, FLORIDA 33166
TEL. (305) 888-8880

ROADWAY SOIL SURVEY

SHEET NO.	SHEET DESCRIPTION
GR-1	ROADWAY SOIL SURVEY

PAUL VETTER
LICENSE
No 59644
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JACOBS ENGINEERING GROUP, INC.
3750 NW 87TH AVENUE, SUITE 750
MIAMI, FLORIDA 33178
TEL. (305) 718-0599

SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2 - T-3	TABULATION OF QUANTITIES
T-4	GENERAL NOTES
T-5; T-7 - T-14	SIGNALIZATION PLAN
T-15 - T-17	TRAFFIC MONITORING SITE

CLARA B. SIDAN
LICENSE
No 57597
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JACOBS ENGINEERING GROUP, INC.
3750 NW 87TH AVENUE, SUITE 750
MIAMI, FLORIDA 33178
TEL. (305) 718-0599

DRAINAGE PLANS

SHEET NO.	SHEET DESCRIPTION
17	SUMMARY OF DRAINAGE STRUCTURES
18	OPTIONAL MATERIALS TABULATION
44-47	DRAINAGE STRUCTURES
48	SPECIAL DETAILS

MANUEL G. VERA
License Number
5291
STATE OF FLORIDA
Professional Surveyor and Mapper

MANUEL G. VERA & ASSOCIATES, INC.
ENGINEERS SURVEYORS MAPPERS
13960 S.W. 47th STREET
MIAMI, FL 33175-3616
TEL: (305) 221-6210 FAX: (305) 221-1295

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
CTL-1 - CTL-3	PROJECT NETWORK CONTROL

EITHEL M. SIERRA
LICENSE
No 55401
STATE OF FLORIDA
PROFESSIONAL ENGINEER

A&P CONSULTING TRANSPORTATION ENGINEERS CORP.
10305 N.W. 41st STREET, SUITE 115
MIAMI, FL 33178
TEL: (305) 592-7283 FAX: (305) 593-1594

SIGNING & PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-11	SIGNING AND PAVEMENT MARKING PLANS

SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-6	SIGNALIZATION PLAN

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87" AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNATURE SHEET

SHEET NO. 2

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T6350

LEAD PROJECT : 430803-1-52-01 | DISTRICT : 06 | COUNTY/SECTION : 87002000

PROJECT(S) : 43080315201, 43080315601, 43080315202 | COUNTY : MIAMI-DADE

SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43080315201	43080315601	43080315202	QUANTITY TOTAL
		0101- 1-	MOBILIZATION 43080315201	LS	1.000			1.000
		0101- 1-	MOBILIZATION 43080315202	LS			1.000	1.000
		0102- 1-	MAINTENANCE OF TRAFFIC 43080315201	(LS)	1.000			1.000
		0102- 1-	MAINTENANCE OF TRAFFIC 43080315202	(LS)			1.000	1.000
		0102- 14-	TRAFFIC CONTROL OFFICER	MH	100.000			100.000
		0102- 60-	WORK ZONE SIGN	ED	4460.000			4460.000
		0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	44800.000			44800.000
		0102- 74- 6	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	ED	45320.000			45320.000
		0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	200.000			200.000
		0102- 78-	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	1488.000			1488.000
		0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	140.000			140.000
		0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	2200.000			2200.000
		0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	1650.000			1650.000
		0104- 10- 3	SEDIMENT BARRIER	LF	1000.000			1000.000
		0104- 18-	INLET PROTECTION SYSTEM	EA	100.000			100.000
		0107- 1-	LITTER REMOVAL	AC	61.067 N			61.067
		0107- 2-	MOWING	AC	37.133 N			37.133
		0110- 1- 1	CLEARING & GRUBBING 43080315201	(LS)	1.000			1.000
		0110- 1- 1	CLEARING & GRUBBING 43080315202	(LS)			1.000	1.000
		0120- 71-	REGULAR EXCAVATION (3-R PROJECTS ONLY) 43080315201	LS	1.000			1.000
		0160- 4-	TYPE B STABILIZATION	SY			233.000	233.000
		0285-715-	OPTIONAL BASE, BASE GROUP 15	SY	433.000			433.000
		0327- 70- 1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	SY	729.000			729.000
		0327- 70- 5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	SY	134488.000			134488.000
		0334- 1- 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	7463.600		37.200	7500.800
		0337- 7- 73	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-9.5, PG 76-22, ARB	TN	7468.700			7468.700
		0339- 1-	MISCELLANEOUS ASPHALT PAVEMENT	TN	37.600			37.600
		0425- 5-	MANHOLE, ADJUST	EA	44.000			44.000
		0515- 4- 1	BULLET RAIL, SINGLE RAIL	LF	8.000			8.000
		0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	2522.000		183.000	2705.000
		0520- 2- 4	CONCRETE CURB, TYPE D	LF	464.000			464.000
		0520- 3-	VALLEY GUTTER- CONCRETE	LF	187.000			187.000
		0520- 5- 41	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE	LF	4.000			4.000
		0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	1167.000			1167.000
		0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	25.000			25.000
		0527- 2-	DETECTABLE WARNINGS	SF	672.000			672.000
		0536- 1- 1	GUARDRAIL -ROADWAY	LF	1012.500			1012.500
		0536- 2-	GUARDRAIL- SHOP-BENT PANELS	LF	512.500			512.500
		0536- 6-	PIPE RAIL FOR GUARDRAIL	LF	200.000			200.000
		0536- 7-	SPECIAL GUARDRAIL POST	EA	15.000			15.000

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 3

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T6350

LEAD PROJECT : 430803-1-52-01 | DISTRICT : 06 | COUNTY/SECTION : 87002000

PROJECT(S) : 43080315201, 43080315601, 43080315202 | COUNTY : MIAMI-DADE

SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43080315201	43080315601	43080315202	QUANTITY TOTAL
		0536- 73-	GUARDRAIL REMOVAL	LF	879.000			879.000
		0536- 82-	GUARDRAIL ANCHORAGE- CONCRETE BARRIER	EA	8.000			8.000
		0536- 85- 24	GUARDRAIL END ANCHORAGE ASSEMBLY- PARALLEL	EA	1.000			1.000
		0536- 85- 25	GUARDRAIL END ANCHORAGE ASSEMBLY- TYPE II	EA	1.000			1.000
		0536- 85- 26	GUARDRAIL END ANCHORAGE ASSEMBLY- TYPE CRT	EA	7.000			7.000
		0570- 1- 2	PERFORMANCE TURF, SOD	SY	425.000			425.000
		0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	11.200			11.200
		0710- 11-102	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM	0.164			0.164
		0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	8004.000			8004.000
		0710- 11-124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	342.000			342.000
		0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	3100.000			3100.000
		0710- 11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	22.400			22.400
		0710- 11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.116			0.116
		0710- 11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	18.000			18.000
		0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	300.000			300.000
		0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	11.200			11.200
		0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS	1.000 N			1.000
		0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID 43080315202	LS			1.000 N	1.000
		0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	37.000			37.000
		0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	18.000			18.000
		0700- 1- 13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS	1.000			1.000
		0700- 1- 21	SINGLE POST SIGN, F&I BARRIER MOUNT INDEX 11871 UP TO 12 SF	AS	3.000			3.000
		0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	67.000			67.000
		0700- 2- 13	MULTI- POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS			1.000	1.000
		0700- 2- 14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS	2.000			2.000
		0700- 2- 15	MULTI- POST SIGN, F&I GROUND MOUNT, 51-100 SF	AS	2.000			2.000
		0700- 2- 60	MULTI- POST SIGN, REMOVE	AS	4.000			4.000
		0700- 3-204	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 31-50 SF	EA			1.000	1.000
		0700- 3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA	4.000			4.000
		0705- 10- 1	OBJECT MARKER, TYPE 1	EA	3.000			3.000
		0705- 11- 4	DELINEATOR, FLEXIBLE HIGH PERFORMANCE 48"	EA	51.000			51.000
A		0706- 3-	RETRO-REFLECTIVE PAVEMENT MARKERS	EA	2818.000			2818.000
		0710- 11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	367.000			367.000
		0711- 11-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM	0.105			0.105
		0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	4340.000			4340.000

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 4

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T6350

LEAD PROJECT : 430803-1-52-01 | DISTRICT : 06 | COUNTY/SECTION : 87002000

PROJECT(S) : 43080315201, 43080315601, 43080315202 | COUNTY : MIAMI-DADE

SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43080315201	43080315601	43080315202	QUANTITY TOTAL
		0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	154.000			154.000
		0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	1744.000			1744.000
		0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.056			0.056
		0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	9.000			9.000
		0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	155.000			155.000
		0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	164.000			164.000
		0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	7.580			7.580
		0711- 16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.363			0.363
		0711- 16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	10.296			10.296
		0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	5.492			5.492
		0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	709.000			709.000
		0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	940.000			940.000
		0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	9.000			9.000
		0635- 2- 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	91.000			91.000
		0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	22.000			22.000
		0646- 1- 60	ALUMINUM SIGNALS POLE, REMOVE	EA	1.000			1.000
		0650- 1- 34	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 3 SECTION, 1 WAY	AS	3.000			3.000
		0650- 1- 38	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 5 SECTION STRAIGHT, 1 WAY	AS	1.000			1.000
		0650- 1- 60	TRAFFIC SIGNAL, REMOVE- POLES TO REMAIN	AS	4.000			4.000
		0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	14.000			14.000
		0653- 1- 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	9.000			9.000
		0653- 1- 60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS	9.000			9.000
		0660- 1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	EA	1.000			1.000
		0660- 2-101	LOOP ASSEMBLY- F&I, TYPE A	AS	67.000			67.000
		0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	21.000			21.000
		0665- 1- 60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	7.000			7.000
P		0670- 5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	9.000			9.000
		0695- 1- 1	TRAFFIC MONITORING SITE VEHICLE SENSOR-NON-WEIGHT, FURNISH & INSTALL	EA	18.000			18.000
		0695- 3- 11	TRAFFIC MONITORING SITE SPEED/CLASSIFICATION UNIT, FURNISH & INSTALL, VOLUME SPEED AND CLASSIFICATION	AS	3.000			3.000
		0695- 6- 12	TRAFFIC MONOTORING SITE INDUCTIVE LOOP ASSEMBLY, FURNISH & INSTALL, 2 LOOPS	EA	18.000			18.000
		0695- 7-141	TRAFFIC MONOTORING SITE CABINET, FURNISH & INSTALL, TYPE 4, BASE MOUNT	EA	2.000			2.000
		0700- 3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	3.000			3.000

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 5

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T6350

LEAD PROJECT : 430803-1-52-01 | DISTRICT : 06 | COUNTY/SECTION : 87002000

PROJECT(S) : 43080315201, 43080315601, 43080315202 | COUNTY : MIAMI-DADE

SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43080315201	43080315601	43080315202	QUANTITY TOTAL
		0700- 3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA	6.000			6.000
		0160- 4-	TYPE B STABILIZATION	SY	675.000			675.000
D		0145- 2-	GEOSYNTHETIC REINFORCED FOUNDATION OVER SOFT SOIL	SY	815.000			815.000
		0104- 11-	FLOATING TURBIDITY BARRIER	LF	196.000			196.000
		0400- 1- 2	CONCRETE CLASS I, ENDWALLS	CY	2.300			2.300
		0415- 1- 6	REINFORCING STEEL- MISCELLANEOUS	LB	58.000			58.000
M		0430- 94- 1	DESILTING PIPE, 0 - 24"	LF	886.000 N			886.000
		0430-175-115	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD	LF	15.000			15.000
		0430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	95.000			95.000
		0430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	130.000			130.000
		0443- 70- 4	FRENCH DRAIN, 24"	LF	373.000			373.000
		0425- 2- 91	MANHOLES, J-8, <10'	EA	2.000			2.000
		0425- 2- 62	MANHOLES, P-8, >10'	EA	1.000			1.000
		0425- 1-451	INLETS, CURB, TYPE J-5, <10'	EA	3.000			3.000
		0102- 60-	WORK ZONE SIGN	ED			112.000	112.000
		0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED			482.000	482.000
		0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED			6.000	6.000
		0102- 74- 6	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	ED			7.000	7.000
		0120- 71-	REGULAR EXCAVATION (3-R PROJECTS ONLY) 43080315202	LS			1.000	1.000
		0285-710-	OPTIONAL BASE, BASE GROUP 10	SY			233.000	233.000
		0285-715-	OPTIONAL BASE, BASE GROUP 15	SY			561.000	561.000
		0337- 7- 73	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-9.5, PG 76-22, ARB	TN			37.200	37.200
		0520- 5- 41	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE	LF			105.000	105.000
		0544- 75- 1	CRASH CUSHION	EA			2.000	2.000
		0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY			30.000	30.000
		0570- 1- 2	PERFORMANCE TURF, SOD	SY			74.000	74.000
P		0108- 1-	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING	LS			1.000	1.000
P		0108- 1-	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING	LS	1.000			1.000
		0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS			4.000	4.000
		0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS			2.000	2.000
A		0706- 3-	RETRO-REFLECTIVE PAVEMENT MARKERS	EA			36.000	36.000
		0711- 11-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM			0.060	0.060
		0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF			42.000	42.000
		0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA			5.000	5.000
		0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA			1.000	1.000

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 6

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T6350

LEAD PROJECT : 430803-1-52-01 | DISTRICT : 06 | COUNTY/SECTION : 87002000

PROJECT(S) : 43080315201, 43080315601, 43080315202 | COUNTY : MIAMI-DADE

0002 SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43080315201	43080315601	43080315202	QUANTITY TOTAL
		0536- 73-	GUARDRAIL REMOVAL	LF	879.000			879.000
		0536- 82-	GUARDRAIL ANCHORAGE- CONCRETE BARRIER	EA	8.000			8.000
		0536- 85- 24	GUARDRAIL END ANCHORAGE ASSEMBLY- PARALLEL	EA	1.000			1.000
		0536- 85- 25	GUARDRAIL END ANCHORAGE ASSEMBLY- TYPE II	EA	1.000			1.000
		0536- 85- 26	GUARDRAIL END ANCHORAGE ASSEMBLY- TYPE CRT	EA	7.000			7.000
		0570- 1- 2	PERFORMANCE TURF, SOD	SY	425.000			425.000
		0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	11.200			11.200
		0710- 11-102	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM	0.164			0.164
		0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	8004.000			8004.000
		0710- 11-124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	342.000			342.000
		0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	3100.000			3100.000
		0710- 11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	22.400			22.400
		0710- 11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.116			0.116
		0710- 11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	18.000			18.000
		0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	300.000			300.000
		0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	11.200			11.200
		0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS	1.000 N			1.000
		0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID 43080315202	LS			1.000 N	1.000
		0160- 4-	TYPE B STABILIZATION	SY	675.000			675.000
D		0145- 2-	GEOSYNTHETIC REINFORCED FOUNDATION OVER SOFT SOIL	SY	815.000			815.000
		0104- 11-	FLOATING TURBIDITY BARRIER	LF	196.000			196.000
		0400- 1- 2	CONCRETE CLASS I, ENDWALLS	CY	2.300			2.300
		0415- 1- 6	REINFORCING STEEL- MISCELLANEOUS	LB	58.000			58.000
M		0430- 94- 1	DESILTING PIPE, 0 - 24"	LF	886.000 N			886.000
		0430-175-115	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD	LF	15.000			15.000
		0430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	95.000			95.000
		0430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	130.000			130.000
		0443- 70- 4	FRENCH DRAIN, 24"	LF	373.000			373.000
		0425- 2- 91	MANHOLES, J-8, <10'	EA	2.000			2.000
		0425- 2- 62	MANHOLES, P-8, >10'	EA	1.000			1.000
		0425- 1-451	INLETS, CURB, TYPE J-5, <10'	EA	3.000			3.000
		0102- 60-	WORK ZONE SIGN	ED			112.000	112.000
		0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED			482.000	482.000
		0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED			6.000	6.000
		0102- 74- 6	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	ED			7.000	7.000
		0120- 71-	REGULAR EXCAVATION (3-R PROJECTS ONLY) 43080315202	LS			1.000	1.000

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 7

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T6350

LEAD PROJECT : 430803-1-52-01 | DISTRICT : 06 | COUNTY/SECTION : 87002000

PROJECT(S) : 43080315201, 43080315601, 43080315202 | COUNTY : MIAMI-DADE

0003 SUMMARY OF SIGNING

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43080315201	43080315601	43080315202	QUANTITY TOTAL
		0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	37.000			37.000
		0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	18.000			18.000
		0700- 1- 13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS	1.000			1.000
		0700- 1- 21	SINGLE POST SIGN, F&I BARRIER MOUNT INDEX 11871 UP TO 12 SF	AS	3.000			3.000
		0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	67.000			67.000
		0700- 2- 13	MULTI- POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS			1.000	1.000
		0700- 2- 14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS	2.000			2.000
		0700- 2- 15	MULTI- POST SIGN, F&I GROUND MOUNT, 51-100 SF	AS	2.000			2.000
		0700- 2- 60	MULTI- POST SIGN, REMOVE	AS	4.000			4.000
		0700- 3-204	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 31-50 SF	EA			1.000	1.000
		0700- 3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA	4.000			4.000
		0705- 10- 1	OBJECT MARKER, TYPE 1	EA	3.000			3.000
		0705- 11- 4	DELINEATOR, FLEXIBLE HIGH PERFORMANCE 48"	EA	51.000			51.000
A		0706- 3-	RETRO-REFLECTIVE PAVEMENT MARKERS	EA	2818.000			2818.000
		0710- 11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	367.000			367.000
		0711- 11-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM	0.105			0.105
		0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	4340.000			4340.000
		0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	154.000			154.000
		0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	1744.000			1744.000
		0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.056			0.056
		0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	9.000			9.000
		0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	155.000			155.000
		0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	164.000			164.000
		0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	7.580			7.580
		0711- 16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.363			0.363
		0711- 16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	10.296			10.296
		0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	5.492			5.492
		0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS			4.000	4.000
		0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS			2.000	2.000
A		0706- 3-	RETRO-REFLECTIVE PAVEMENT MARKERS	EA			36.000	36.000
		0711- 11-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM			0.060	0.060
		0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF			42.000	42.000
		0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA			5.000	5.000
		0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA			1.000	1.000

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 8

11/23/2015 15:07:36 PM

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T6350

LEAD PROJECT : 430803-1-52-01 | DISTRICT : 06 | COUNTY/SECTION : 87002000

PROJECT(S) : 43080315201, 43080315601, 43080315202 | COUNTY : MIAMI-DADE

0001 SUMMARY OF STRUCTURES

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43080315201	43080315601	43080315202	43080315201 BR# 870609	QUANTITY TOTAL
		0458- 1- 21	BRIDGE DECK EXPANSION JOINT, REHABILITATION, POURED JOINT WITH BACKER ROD	LF				565.000	565.000
		0458- 2-	POLYMER NOSING FOR BRIDGE DECK EXPANSION JOINT	CF				70.700	70.700

11/23/2015 15:07:36 PM

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T6350

LEAD PROJECT : 430803-1-52-01 | DISTRICT : 06 | COUNTY/SECTION : 87002000

PROJECT(S) : 43080315201, 43080315601, 43080315202 | COUNTY : MIAMI-DADE

0002 SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43080315201	43080315601	43080315202	QUANTITY TOTAL
		0285-710-	OPTIONAL BASE, BASE GROUP 10	SY			233.000	233.000
		0285-715-	OPTIONAL BASE, BASE GROUP 15	SY			561.000	561.000
		0337- 7- 73	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-9.5, PG 76-22, ARB	TN			37.200	37.200
		0520- 5- 41	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE	LF			105.000	105.000
		0544- 75- 1	CRASH CUSHION	EA			2.000	2.000
		0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY			30.000	30.000
		0570- 1- 2	PERFORMANCE TURF, SOD	SY			74.000	74.000
P		0108- 1-	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING	LS			1.000	1.000
P		0108- 1-	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING	LS	1.000			1.000

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FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T6350

LEAD PROJECT : 430803-1-52-01 | DISTRICT : 06 | COUNTY/SECTION : 87002000

PROJECT(S) : 43080315201, 43080315601, 43080315202 | COUNTY : MIAMI-DADE

0004 SUMMARY OF LIGHTING

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43080315201	43080315601	43080315202	QUANTITY TOTAL
		0635- 2- 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	10.000			10.000

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 9

11/23/2015 15:07:36 PM

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T6350

LEAD PROJECT : 430803-1-52-01 | DISTRICT : 06 | COUNTY/SECTION : 87002000

PROJECT(S) : 43080315201, 43080315601, 43080315202 | COUNTY : MIAMI-DADE

0005 SUMMARY OF SIGNALIZATION

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43080315201	43080315601	43080315202	QUANTITY TOTAL
		0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	709.000			709.000
		0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	940.000			940.000
		0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	9.000			9.000
		0635- 2- 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	91.000			91.000
		0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	22.000			22.000
		0646- 1- 60	ALUMINUM SIGNALS POLE, REMOVE	EA	1.000			1.000
		0650- 1- 34	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 3 SECTION, 1 WAY	AS	3.000			3.000
		0650- 1- 38	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 5 SECTION STRAIGHT, 1 WAY	AS	1.000			1.000
		0650- 1- 60	TRAFFIC SIGNAL, REMOVE- POLES TO REMAIN	AS	4.000			4.000
		0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	14.000			14.000
		0653- 1- 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	9.000			9.000
		0653- 1- 60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS	9.000			9.000
		0660- 1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	EA	1.000			1.000
		0660- 2-101	LOOP ASSEMBLY- F&I, TYPE A	AS	67.000			67.000
		0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	21.000			21.000
		0665- 1- 60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	7.000			7.000
P		0670- 5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	9.000			9.000
		0695- 1- 1	TRAFFIC MONITORING SITE VEHICLE SENSOR-NON-WEIGHT, FURNISH & INSTALL	EA	18.000			18.000
		0695- 3- 11	TRAFFIC MONITORING SITE SPEED/CLASSIFICATION UNIT, FURNISH & INSTALL, VOLUME SPEED AND CLASSIFICATION	AS	3.000			3.000
		0695- 6- 12	TRAFFIC MONOTORING SITE INDUCTIVE LOOP ASSEMBLY, FURNISH & INSTALL, 2 LOOPS	EA	18.000			18.000
		0695- 7-141	TRAFFIC MONOTORING SITE CABINET, FURNISH & INSTALL, TYPE 4, BASE MOUNT	EA	2.000			2.000
		0700- 3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	3.000			3.000
		0700- 3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA	6.000			6.000

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FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T6350

LEAD PROJECT : 430803-1-52-01 | DISTRICT : 06 | COUNTY/SECTION : 87002000

PROJECT(S) : 43080315201, 43080315601, 43080315202 | COUNTY : MIAMI-DADE

0006 SUMMARY OF UTILITIES

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43080315201	43080315601	43080315202	QUANTITY TOTAL
		0425- 5- 1	MANHOLE, ADJUST, UTILITIES	EA		18.000		18.000
		0425- 6-	VALVE BOXES, ADJUST	EA		106.000		106.000
		0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID 43080315601	LS		1.000 N		1.000

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

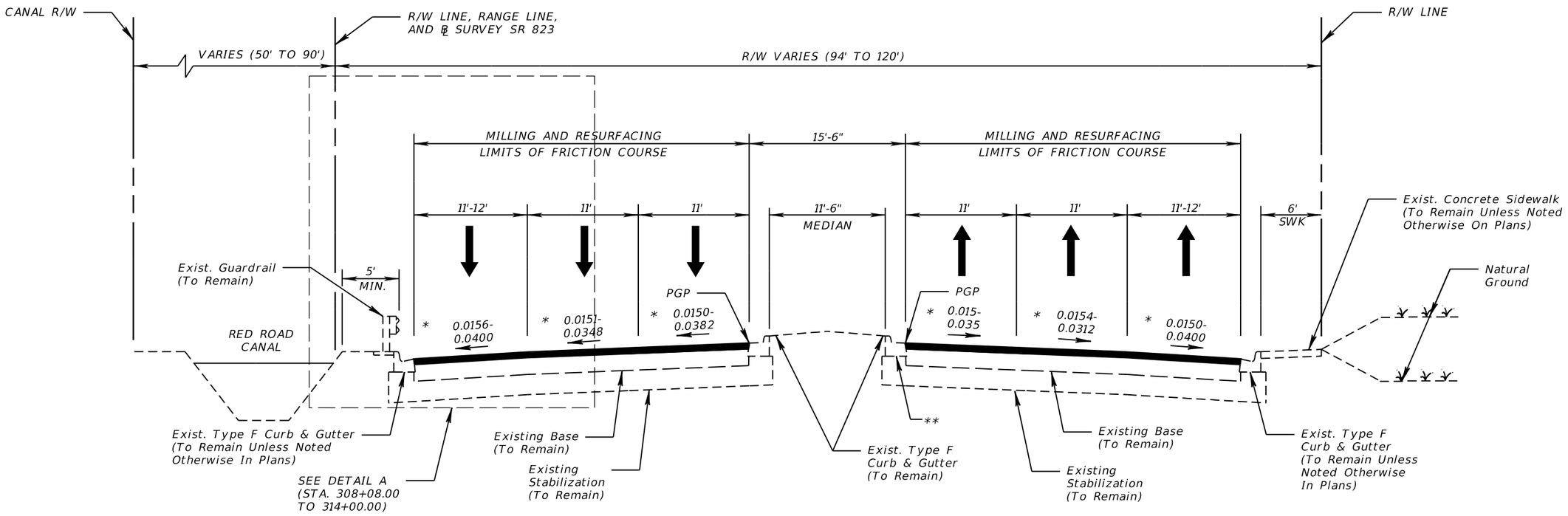
ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

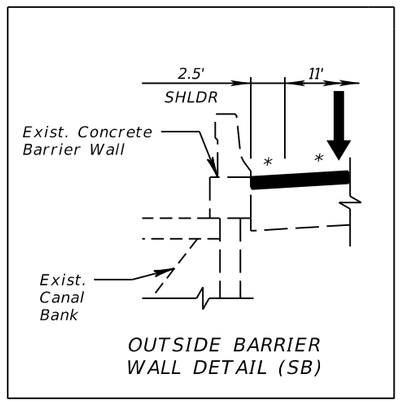
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 10





DETAIL A

TYPICAL SECTION NO. 1

SR-823 / NW 57TH AVENUE

STA. 271+36.22 TO STA. 313+99.41

STA. 314+89.17 TO STA. 356+36.93

STA. 357+47.42 TO STA. 368+00.00

STA. 406+00.00 TO STA. 419+62.46

MAINLINE MILLING

MILL EXISTING ASPHALT PAVEMENT (2" AVG. DEPTH)
(1 3/4" AT LIP OF GUTTER)

MAINLINE RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1")
FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22 ARB))

* MATCH EXISTING CROSS SLOPE, VALUE RANGE SHOWN.

** MEDIAN WIDENING FROM STA. 298+34.06 TO STA. 300+45.10 AND STA. 301+66.02 TO STA. 306+32.16. REFER TO TYPICAL SECTION DETAILS.

TRAFFIC DATA

CURRENT YEAR = 2013 AADT = 54,500
ESTIMATED OPENING YEAR = 2016 AADT = 58,900
ESTIMATED DESIGN YEAR = 2036 AADT = 69,100
K = 9.00% D = 54.20% T = 4.40% (24 HOUR)
DESIGN HOUR T = 2.9%
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TYPICAL SECTION

SHEET NO. 11

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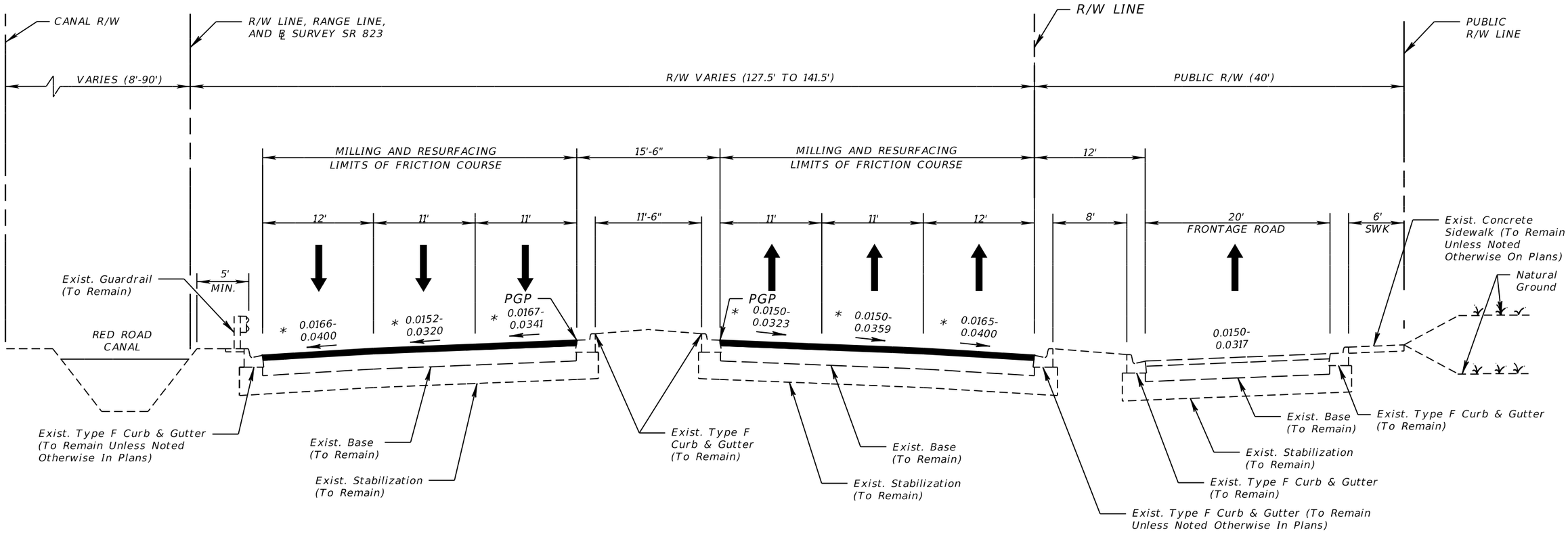
USER: Rosellm 11/23/2015 4:32:14 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\roadway\TYPSRD01.dgn



TYPICAL SECTION NO. 2
SR-823 / NW 57TH AVENUE
STA. 368+00.00 TO STA. 406+00.00

* MATCH EXISTING CROSS SLOPE, VALUE RANGE SHOWN.

TRAFFIC DATA

CURRENT YEAR = 2013 AADT = 54,500
ESTIMATED OPENING YEAR = 2016 AADT = 58,900
ESTIMATED DESIGN YEAR = 2036 AADT = 69,100
K = 9.00% D = 54.20% T = 4.40% (24 HOUR)
DESIGN HOUR T = 2.9%
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

MAINLINE MILLING

MILL EXISTING ASPHALT PAVEMENT (2" AVG. DEPTH)
(1 3/4" AT LIP OF GUTTER)

MAINLINE RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1")
FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22 ARB))

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

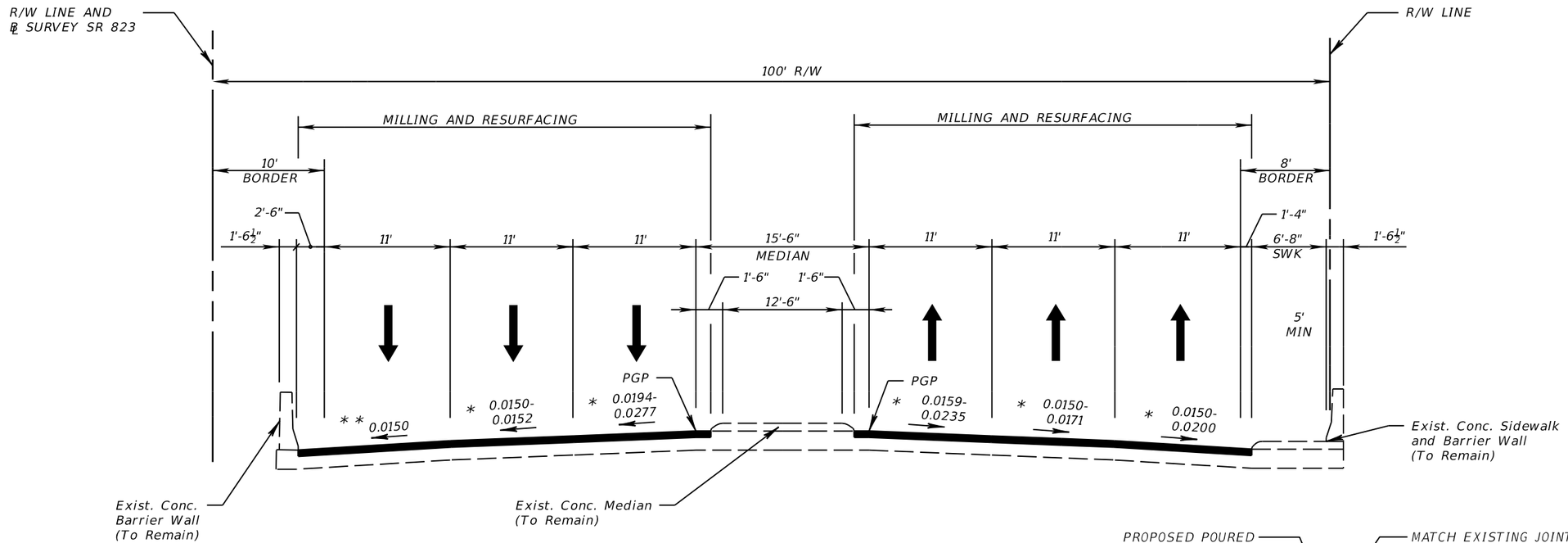
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TYPICAL SECTION

SHEET NO. 12

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



TYPICAL SECTION NO. 3
SR-823 / NW 57TH AVENUE
BRIDGE NO. 870609 OVER BISCAYNE CANAL
STA. 313+99.41 TO STA. 314+89.17

* MATCH EXISTING CROSS SLOPE, VALUE RANGE SHOWN.

** MATCH EXISTING CROSS SLOPE, VALUE SHOWN.

TRAFFIC DATA

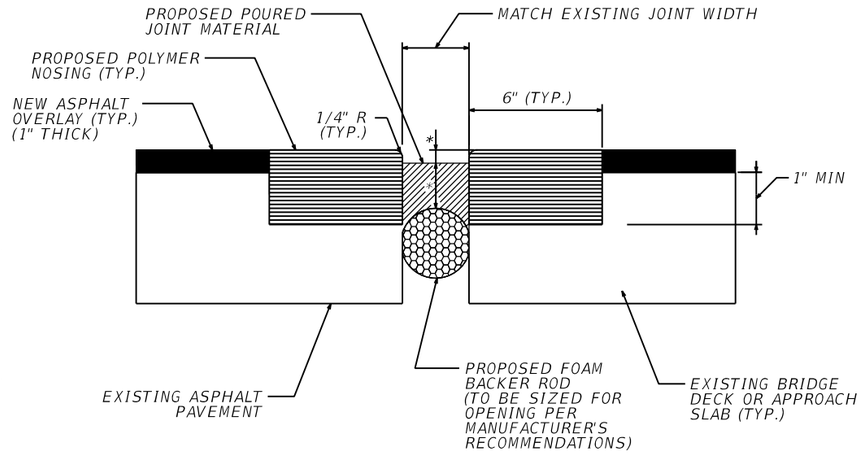
CURRENT YEAR = 2013 AADT = 54,500
ESTIMATED OPENING YEAR = 2016 AADT = 58,900
ESTIMATED DESIGN YEAR = 2036 AADT = 69,100
K = 9.00% D = 54.20% T = 4.40% (24 HOUR)
DESIGN HOUR T = 2.9%
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

MILLING

MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)

RESURFACING

FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22 ARB))



* PER MANUFACTURER'S RECOMMENDATIONS

NOTE:

1. FURNISH POURED JOINT WITH BACKER ROD EXPANSION JOINT SYSTEMS IN ACCORDANCE WITH SPECIFICATION SECTION 458 AND 932.

EXPANSION JOINT REPLACEMENT DETAIL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TYPICAL SECTION

SHEET NO. 13

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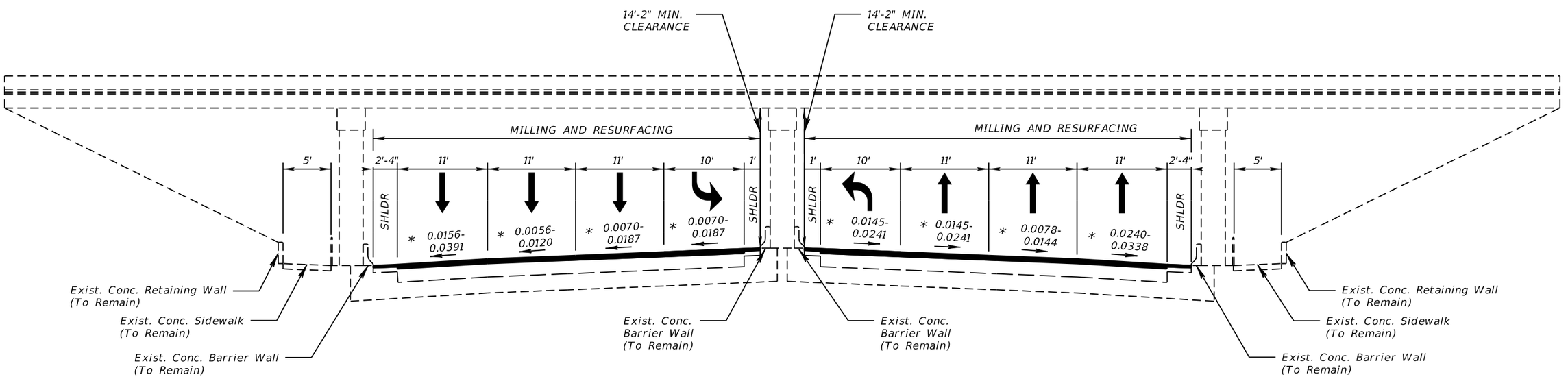

* MATCH EXISTING CROSS SLOPE, VALUE RANGE SHOWN.

TYPICAL SECTION NO. 4
SR-823 / NW 57TH AVENUE
BRIDGE NO. 870253 OVER SR 823
STA. 356+36.93 TO STA. 357+47.42

MAINLINE MILLING

MILL EXISTING ASPHALT PAVEMENT (2" AVG. DEPTH)

MAINLINE RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1")
FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22 ARB))

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
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PHONE No. (305) 718 0599
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TYPICAL SECTION

SHEET NO. 14

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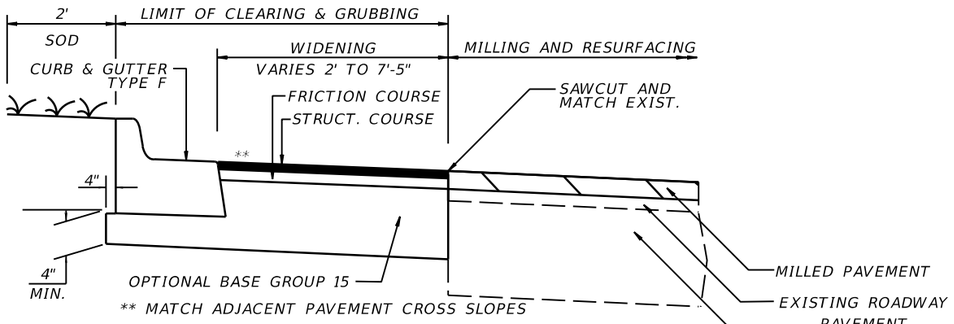
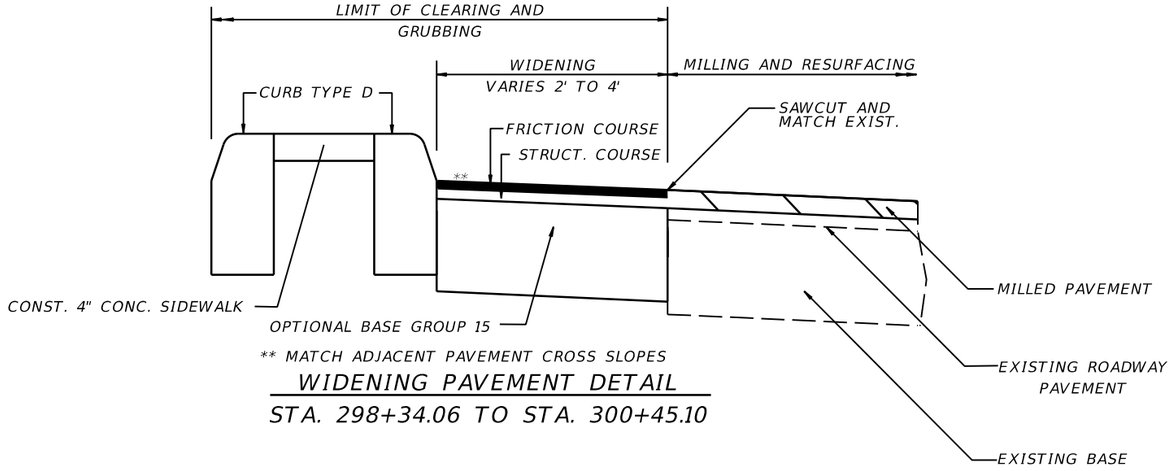


WIDENING PAVEMENT DETAIL

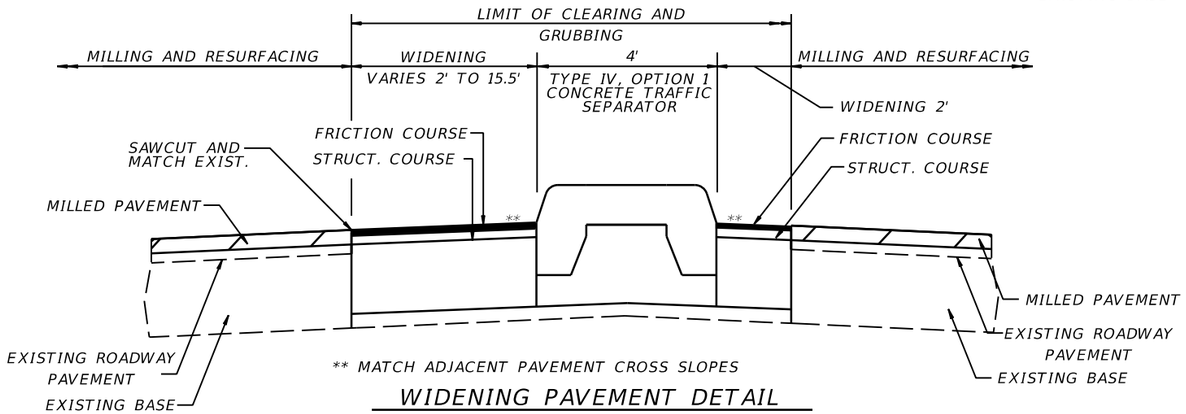
STA. 301+60.02 TO STA. 306+32.16

STA. 362+76.77 TO STA. 363+76.77



WIDENING PAVEMENT DETAIL

STA. 298+34.06 TO STA. 300+45.10

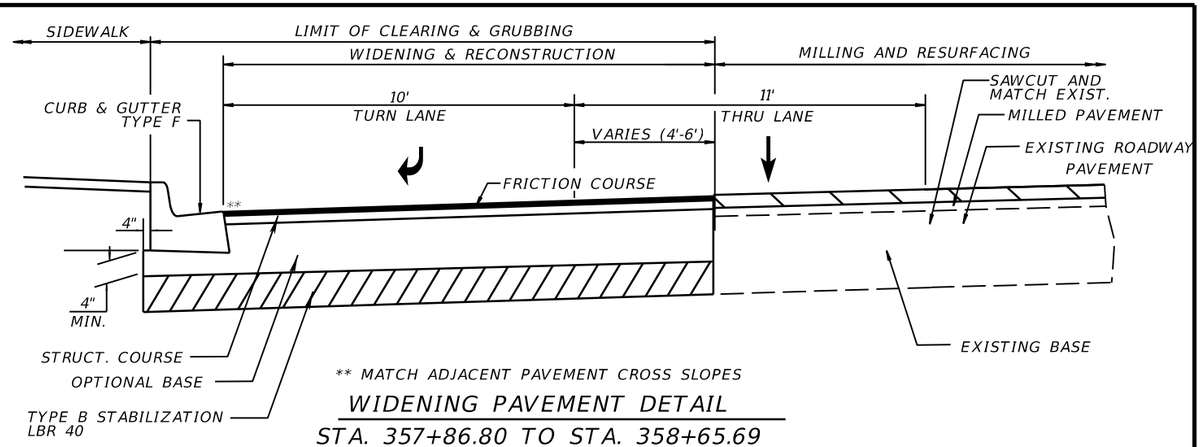


WIDENING PAVEMENT DETAIL

STA. 360+66.77 TO STA. 362+76.77

WIDENING

OPTIONAL BASE GROUP 15 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22 (ARB))

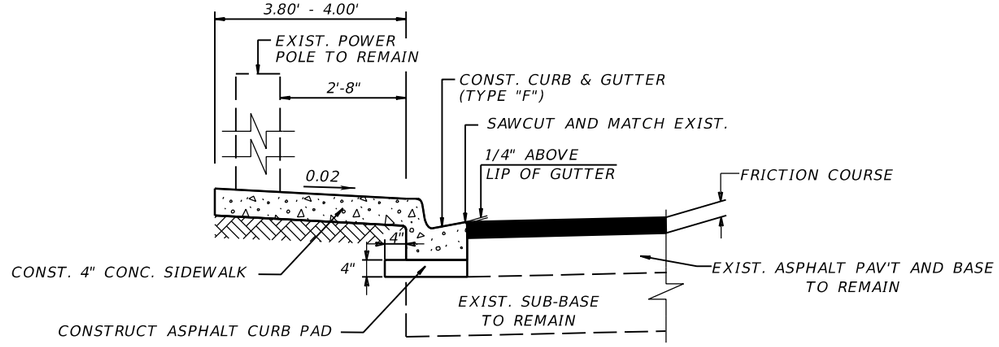


WIDENING PAVEMENT DETAIL

STA. 357+86.80 TO STA. 358+65.69

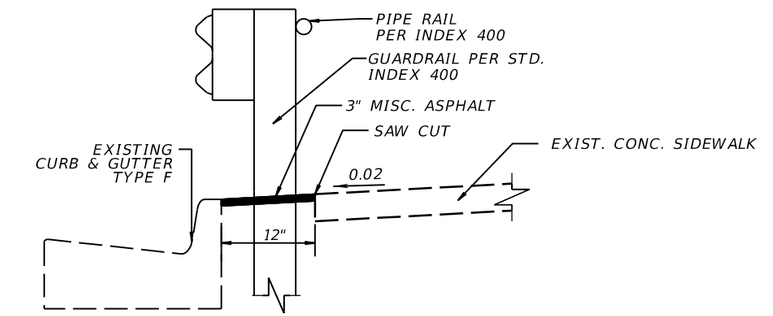
WIDENING & RECONSTRUCTION

OPTIONAL BASE GROUP 10 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22 (ARB))



MONOLITHIC CURB & GUTTER AND SIDEWALK CONSTRUCTION DETAIL

FROM STA. 409+56.00 (RT) TO 409+66.00 (RT) AND
FROM STA. 411+07.50 (RT) TO STA. 411+12.50 (RT)



GUARDRAIL ON SIDEWALK

FROM STA. 311+90.07 TO STA. 313+93.27

DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

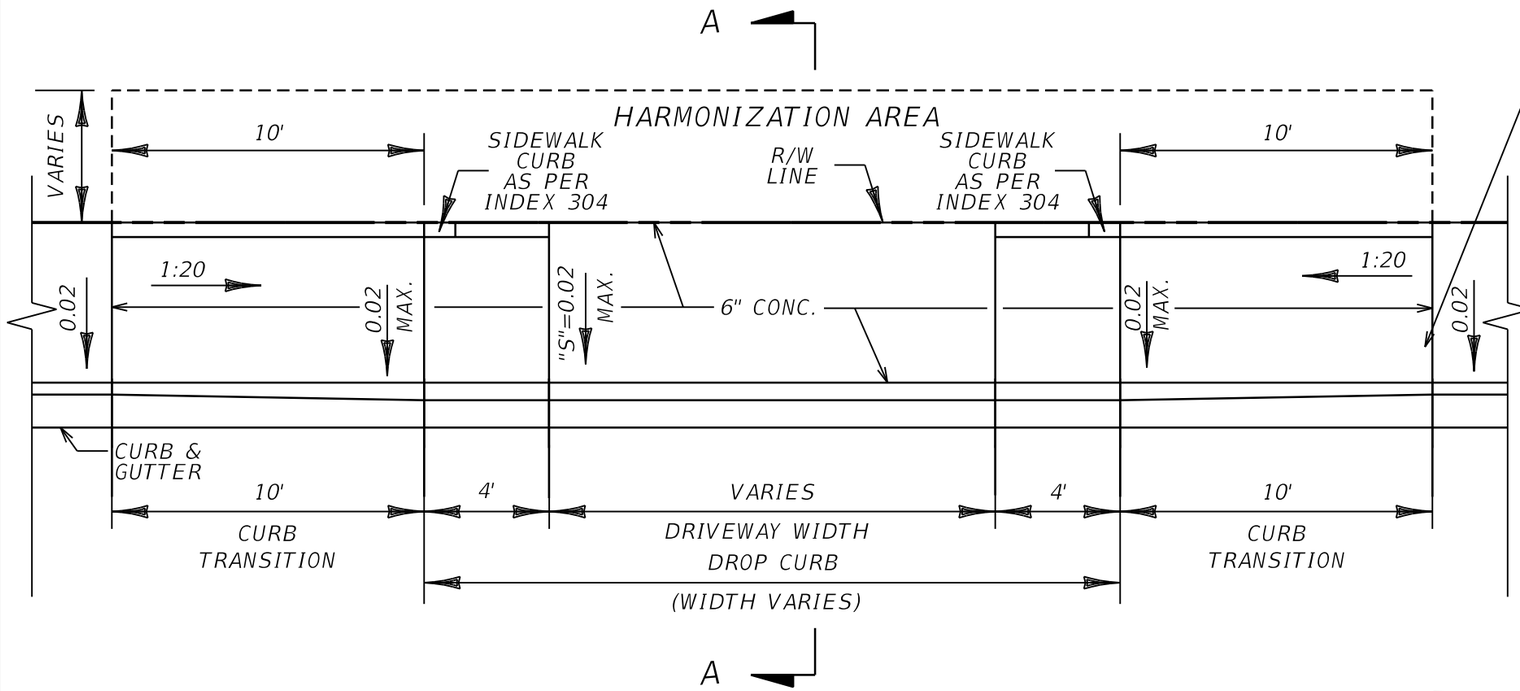
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TYPICAL SECTION

SHEET NO. 15

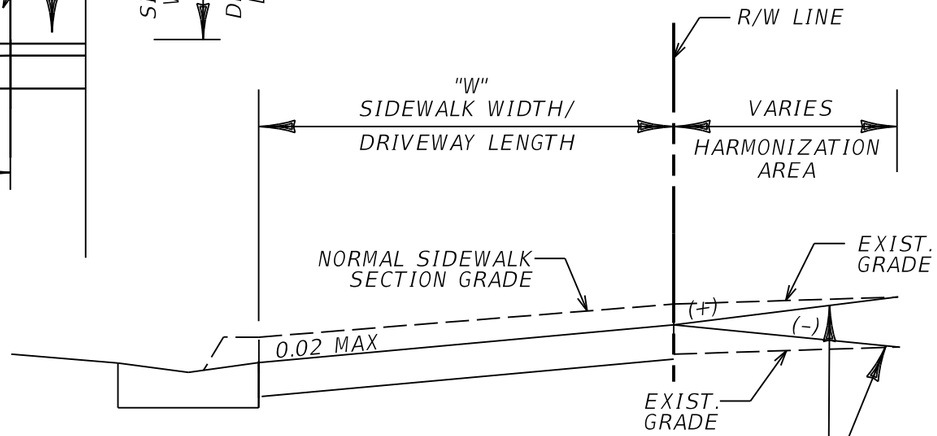
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

USER: cubajp 11/23/2015 5:21:10 PM Z:\2012 Projects\E9Y18800\700CADD\43080315201\roadway\TYPSRD05.dgn



PLAN

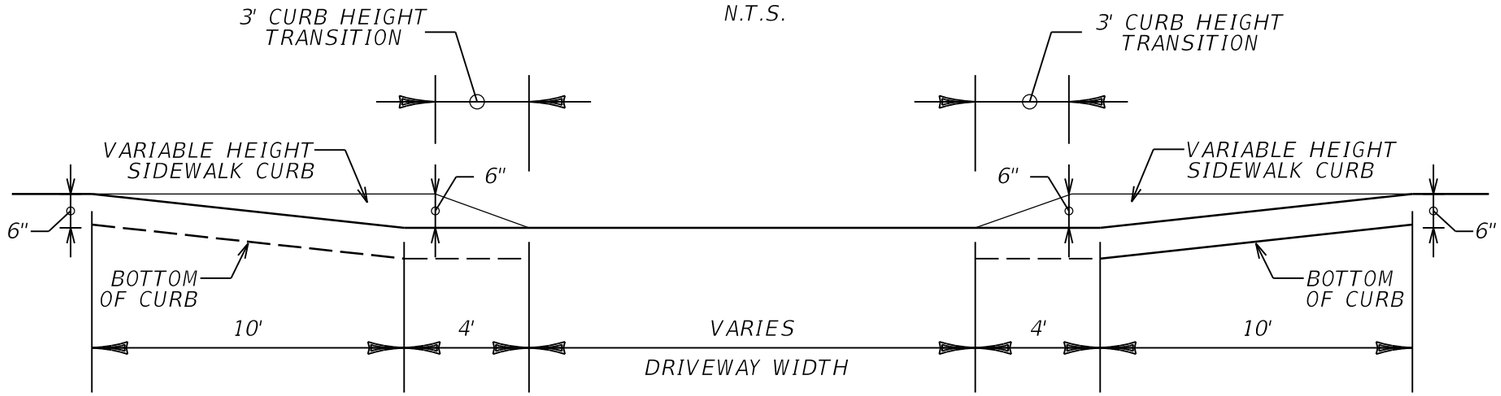
N.T.S.



TO SUIT PROPERTY OWNER (MAX. SLOPE OF (–) 0.02 WHEN EXISTING GRADE IS LOWER, AND MAX. SLOPE OF (+) 0.06 WHEN EXISTING GRADE IS HIGHER).

SECTION A-A

N.T.S.



BACK OF SIDEWALK PROFILE

N.T.S.

NOTES:

1. SIDEWALK CURB SHOWN ON THESE DETAILS SHALL BE PAINTED REFLECTIVE YELLOW.
2. CONCRETE JOINTS SHALL BE AS PER INDEX 515 AND INDEX 310.

OPTION 2: DROPPED SIDEWALK
SIDEWALK ADJACENT TO CURB; WIDTH 5' TO < 6'

DRIVEWAY DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822
ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TYPICAL SECTION

SHEET NO. 16

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

SUMMARY OF LUMP SUM ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY P	QUANTITY F	DESIGN NOTES	CONSTRUCTION REMARKS
0101 1	MOBILIZATION	1			

SUMMARY OF GENERAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0635 2 11	PULL & SPLICE BOX, F&I, 13"x24" COVER SIZE	301+42.33	6.63 (LT)	EA	1		10		LIGHTING	
		330+80.83	101.19 (RT)	EA	1				LIGHTING	
		330+82.87	100.53 (RT)	EA	1				LIGHTING	
		330+84.68	100.12 (RT)	EA	1				LIGHTING	
		330+86.33	99.72 (RT)	EA	1				LIGHTING	
		351+01.49	12.57 (LT)	EA	1				LIGHTING	
		351+04.13	11.95 (LT)	EA	1				LIGHTING	
		351+04.55	13.53 (LT)	EA	1				LIGHTING	
		413+99.80	116.06 (RT)	EA	1				LIGHTING	
		413+99.93	113.99 (RT)	EA	1				LIGHTING	
0635 2 11	PULL & SPLICE BOX, F&I, 13"x24" COVER SIZE	300+54.24	3.41 (LT)	EA	1		30		SIGNALIZATION	
		300+57.30	3.36 (LT)	EA	1				SIGNALIZATION	
		300+60.36	3.71 (LT)	EA	1				SIGNALIZATION	
		319+01.00	86.65 (RT)	EA	1				SIGNALIZATION	
		326+89.81	87.13 (RT)	EA	1				SIGNALIZATION	
		326+86.90	96.81 (RT)	EA	1				SIGNALIZATION	
		326+93.36	89.04 (RT)	EA	1				SIGNALIZATION	
		326+96.09	88.8 (RT)	EA	1				SIGNALIZATION	
		329+86.62	94.53 (RT)	EA	1				SIGNALIZATION	
		329+89.23	94.04 (RT)	EA	1				SIGNALIZATION	
		329+92.09	94.64 (RT)	EA	1				SIGNALIZATION	
		330+96.51	98.29 (RT)	EA	1				SIGNALIZATION	
		330+95.62	92.3 (RT)	EA	1				SIGNALIZATION	
		330+99.92	90.89 (RT)	EA	1				SIGNALIZATION	
		331+03.11	90.29 (RT)	EA	1				SIGNALIZATION	
		331+07.07	91.73 (RT)	EA	1				SIGNALIZATION	
		342+12.31	89.46 (RT)	EA	1				SIGNALIZATION	
		342+24.70	90.97 (RT)	EA	1				SIGNALIZATION	
		343+11.03	88.77 (RT)	EA	1				SIGNALIZATION	
		343+14.01	88.18 (RT)	EA	1				SIGNALIZATION	
		343+16.00	86.72 (RT)	EA	1				SIGNALIZATION	
		343+19.22	86.6 (RT)	EA	1				SIGNALIZATION	
		344+30.71	84.24 (RT)	EA	1				SIGNALIZATION	
		349+93.64	87.99 (RT)	EA	1				SIGNALIZATION	
		349+98.61	84.72 (RT)	EA	1				SIGNALIZATION	
		350+00.82	86.01 (RT)	EA	1				SIGNALIZATION	
		350+86.30	95.79 (RT)	EA	1				SIGNALIZATION	
		350+88.70	94.28 (RT)	EA	1				SIGNALIZATION	
		350+90.26	94.29 (RT)	EA	1				SIGNALIZATION	
		350+91.70	95.68 (RT)	EA	1				SIGNALIZATION	

THE PHASE DURATIONS SHOWN ARE NOT BASED ON PROJECT SCHEDULE AND SHOULD NOT BE USED FOR SCHEDULING PURPOSES BY THE CONTRACTOR.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-1

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	ALL PHASES			PHASE I			PHASE II A			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION DAYS	QUANTITY P	TOTAL P	DURATION DAYS	QUANTITY P	TOTAL P	DURATION DAYS	QUANTITY P	TOTAL P	P	F		
0102 1	MAINTANCE OF TRAFFIC	LS/DA	200	1	200							200			
0102 14	TRAFFIC CONTROL OFFICER	MH	100	1	100							100			
0102 60	WORK ZONE SIGNS														
	INDEX 613	ED				40	10	400	40	10	400	800			
	INDEX 615	ED				40	14	560				560			
	INDEX 616	ED				40	7	280	40	7	280	560			
	INDEX 660	ED				30	6	180				180			
0102 74 1	BARRICADE TEMP, TYPES I,II,DI,VP, DRUMP OR LCD	ED	200	224	44800							44800			
0102 74 6	PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE	ED				40	1133	45320	40			45320			
0102 76	ARROW BOARD/ ADVANCE WARNING ARROW PANEL	ED	200	1	200							200			
0102 78	TEMPORARY RETROREFLECTIVE PAVT MARKER	EA								744	744	744			
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN TEMPORARY	ED	70	2	140	14	2	28	14	2	28	56			
0102104	TEMPORARY SIGNALIZATION AND MAINT, INTER	ED	200	11	2200							2200			
0102107 1	TEMP. TRAFFIC DETECTION & MAINTENANCE, INTERSECTION	ED	150	11	1650							1650			
0710 11 101	PAINTED PAVT MARK, STD, WHITE, SOLID 6"	NM								11.2	11.2	11.200		TWO APPLICATIONS	
0710 11 102	PAINTED PAVT MARK, STD, WHITE, SOLID 8"	LF		0.164	0.164							0.164		TWO APPLICATIONS	
0710 11 123	PAINTED PAVT MARK, STD, WHITE, SOLID 12"	LF		8004	8004							8004		TWO APPLICATIONS	
0710 11 124	PAINTED PAVT MARK, STD, WHITE, SOLID 18"	LF		342	342							342		TWO APPLICATIONS	
0710 11 125	PAINTED PAVT MARK, STD, WHITE, SOLID 24"	LF		3100	3100							3100		TWO APPLICATIONS	
0710 11 131	PAINTED PAVT MARK, STD, WHITE, SKIP 6"	GM								11.200	11.200	11.200		TWO APPLICATIONS	
0710 11 141	PAINTED PAVT MARK, STD, WHITE,2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXT, 6"	GM		0.116	0.116							0.116		TWO APPLICATIONS	
0710 11 160	PAINTED PAVT MARK, STD, WHITE, MESSAGE	EA		18	18							18		TWO APPLICATIONS	
0710 11 170	PAINTED PAVT MARK, STD, WHITE, ARROW	EA		300	300							300		TWO APPLICATIONS	
0710 11 201	PAINTED PAVT MARK, STD, YELLOW, SOLID, 6"	GM												TWO APPLICATIONS	

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE II B			PHASE III A			PHASE III B			TOTAL		GRAND TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION DAYS	QUANTITY P	TOTAL P	DURATION DAYS	QUANTITY P	TOTAL P	DURATION DAYS	QUANTITY P	TOTAL P	P	F	P	F		
0102 1	MAINTANCE OF TRAFFIC	LS/DA												200			
0102 14	TRAFFIC CONTROL OFFICER	MH												100			
0102 60	WORK ZONE SIGNS																
	INDEX 613	ED	40	10	400	40	10	400	40	10	400	1200		2000			
	INDEX 615	ED												560			
	INDEX 616	ED	40	11	440	40	7	280	40	11	440	1160		1720			
	INDEX 660	ED												180			
0102 74 1	BARRICADE TEMP, TYPES I,II,DI,VP, DRUMP OR LCD	ED												44800			
0102 74 6	PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE	ED												45320			
0102 76	ARROW BOARD/ ADVANCE WARNING ARROW PANEL	ED												200			
0102 78	TEMPORARY RETROREFLECTIVE PAVT MARKER	EA		744	744							744		1488			
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN TEMPORARY	ED	14	2	28	14	2	28	14	2	28	84		140			
0102104	TEMPORARY SIGNALIZATION AND MAINT, INTER	ED												2200			
0102107 1	TEMP. TRAFFIC DETECTION & MAINTENANCE, INTERSECTION	ED												1650			
0710 11 101	PAINTED PAVT MARK, STD, WHITE, SOLID 6"	NM												11.2		TWO APPLICATIONS	
0710 11 102	PAINTED PAVT MARK, STD, WHITE, SOLID 8"	LF												0.164		TWO APPLICATIONS	
0710 11 123	PAINTED PAVT MARK, STD, WHITE, SOLID 12"	LF												8004		TWO APPLICATIONS	
0710 11 124	PAINTED PAVT MARK, STD, WHITE, SOLID 18"	LF												342		TWO APPLICATIONS	
0710 11 125	PAINTED PAVT MARK, STD, WHITE, SOLID 24"	LF												3100		TWO APPLICATIONS	
0710 11 131	PAINTED PAVT MARK, STD, WHITE, SKIP 6"	GM		11.200	11.200							11.200		22.400		TWO APPLICATIONS	
0710 11 141	PAINTED PAVT MARK, STD, WHITE,2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXT, 6"	GM												0.116		TWO APPLICATIONS	
0710 11 160	PAINTED PAVT MARK, STD, WHITE, MESSAGE	EA												18		TWO APPLICATIONS	
0710 11 170	PAINTED PAVT MARK, STD, WHITE, ARROW	EA												300		TWO APPLICATIONS	
0710 11 201	PAINTED PAVT MARK, STD, YELLOW, SOLID, 6"	GM		11.200	11.200							11.200		11.200		TWO APPLICATIONS	

THE PHASE DURATIONS SHOWN ARE NOT BASED ON PROJECT SCHEDULE AND SHOULD NOT BE USED FOR SCHEDULING PURPOSES BY THE CONTRACTOR.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-2

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION	SIDE	AREA ID	ARTIFICIAL COVERINGS		SEDIMENT BASIN		SEDIMENT BASIN CLEANOUT		SEDIMENT BARRIER		FLOATING TURBIDITY BARRIER		STAKED TURBIDITY BARRIER		SOIL TRACKING PREVENTION DEVICE		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
			0104 1		0104 7		0104 9		0104 10 3		0104 11		0104 12		0104 16		0104 18			
STA. TO STA.			SY		EA		EA		LF		LF		LF		EA		EA			
			P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
270+98.61	RT																1			
270+98.93	RT																1			
272+58.55	RT																1			
272+59.39	RT																1			
275+82.16	RT																1			
276+99.18	RT																1			
277+00.34	RT																1			
282+99.06	RT																1			
283+02.12	RT																1			
287+98.54	RT																1			
287+98.58	RT																1			
293+48.54	RT																1			
293+48.61	RT																1			
298+48.79	RT																1			
298+49.31	RT																1			
303+99.32	RT																1			
303+99.60	RT																1			
308+68.76	RT																1			
308+69.75	RT																1			
311+58.94	RT																1			
311+59.02	RT																1			
316+98.93	RT																1			
316+99.05	RT																1			
319+98.40	RT																1			
320+00.33	RT																1			
322+84.11	RT																1			
322+90.46	RT																1			
324+81.52	RT																1			
324+99.00	RT																1			
327+26.81	RT																1			
327+60.28	RT																1			
328+60.49	RT																1			
328+91.60	RT																1			
333+98.88	RT																1			
334+03.03	RT																1			
335+99.12	RT																1			
339+96.90	RT																1			
339+98.15	RT																1			
342+84.94	RT																1			
344+98.79	RT																1			
345+15.44	RT																1			
349+16.28	RT																1			
349+21.47	RT																1			
351+96.64	RT																1			
352+00.10	RT																1			
354+16.38	RT																1			
354+19.92	RT																1			
355+67.82	RT																1			
SUB-TOTAL:																	48			

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-3

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION	SIDE	AREA ID	ARTIFICIAL COVERINGS		SEDIMENT BASIN		SEDIMENT BASIN CLEANOUT		SEDIMENT BARRIER		FLOATING TURBIDITY BARRIER		STAKED TURBIDITY BARRIER		SOIL TRACKING PREVENTION DEVICE		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
			0104 1		0104 7		0104 9		0104 10 3		0104 11		0104 12		0104 16		0104 18			
STA. TO STA.			SY		EA		EA		LF		LF		LF		EA		EA			
			P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
355+94.64	RT																1			
355+94.67	RT																1			
357+96.49	RT																1			
357+99.53	RT																1			
358+25.66	RT																1			
358+40.49	RT																1			
360+00.83	RT																1			
360+05.20	RT																1			
362+98.07	RT																1			
363+00.44	RT																1			
366+97.96	RT																1			
367+39.73	RT																1			
368+52.00	RT																1			
369+52.56	RT																1			
373+01.29	RT																1			
375+19.82	RT																1			
375+20.57	RT																1			
376+60.98	RT																1			
376+97.99	RT																1			
378+34.99	RT																1			
378+80.06	RT																1			
379+22.13	RT																1			
379+55.29	RT																1			
379+97.58	RT																1			
380+40.36	RT																1			
383+15.27	RT																1			
383+43.17	RT																1			
383+60.54	RT																1			
384+39.26	RT																1			
385+20.35	RT																1			
385+54.73	RT																1			
385+97.11	RT																1			
386+35.91	RT																1			
388+01.48	RT																1			
388+94.45	RT																1			
390+79.80	RT																1			
390+98.71	RT																1			
393+10.65	RT																1			
395+39.94	RT																1			
395+80.13	RT																1			
397+49.71	RT																1			
398+20.32	RT																1			
402+65.00	RT																1			
403+00.71	RT																1			
403+53.25	RT																1			
405+98.24	RT																1			
406+22.07	RT																1			
410+99.44	RT																1			
SUB-TOTAL:																	48			

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
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PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-4

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION STA. TO STA.	SIDE	AREA ID	ARTIFICIAL COVERINGS 0104 1 SY P	ARTIFICIAL COVERINGS 0104 1 SY F	SEDIMENT BASIN 0104 7 EA P	SEDIMENT BASIN 0104 7 EA F	SEDIMENT BASIN CLEANOUT 0104 9 EA P	SEDIMENT BASIN CLEANOUT 0104 9 EA F	SEDIMENT BARRIER 0104 10 3 LF P	SEDIMENT BARRIER 0104 10 3 LF F	FLOATING TURBIDITY BARRIER 0104 11 LF P	FLOATING TURBIDITY BARRIER 0104 11 LF F	STAKED TURBIDITY BARRIER 0104 12 LF P	STAKED TURBIDITY BARRIER 0104 12 LF F	SOIL TRACKING PREVENTION DEVICE 0104 16 EA P	SOIL TRACKING PREVENTION DEVICE 0104 16 EA F	INLET PROTECTION SYSTEM 0104 18 EA P	INLET PROTECTION SYSTEM 0104 18 EA F	DESIGN NOTES	CONSTRUCTION REMARKS
411+02.26	RT																1			
412+18.28	RT																1			
416+95.09	RT																1			
416+97.29	RT																1			
300+21.35 to 300+67.27	LT								105											
301+46.74 to 301+67.37	LT								41											
337+56.86 to 337+81.9	LT								31											
326+66.36 to 327+02.81	LT								107											
329+73.92 to 330+01.57	LT								94											
336+84.26 to 337+13.44	LT								68											
341+90.01 to 342+12.98	LT								85											
349+81.58 to 350+18.12	LT								96											
369+47.00 to 369+73.00	LT								47											
377+25.73 to 377+64.78	LT								86											
384+78.46 to 385+29.79	LT								74											
386+11.08 to 386+51.74	LT								59											
419+40.76 to 419+75.61	LT								107											
410+80.00	LT										60									
411+50.00 to 412+20.00	LT										78									
414+40.00	LT										58									
SUB-TOTAL:									1000		196						4			
TOTAL:									1000		196						100			

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1 AREA ID	LENGTH	WIDTH	CYCLES	AREA AC/CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	MOWING 0107 2 AREA ID	LENGTH	WIDTH	CYCLES	AREA AC/CYCLE	AREA TOTAL (AC) P	AREA TOTAL (AC) F	DESIGN NOTES	CONSTRUCTION REMARKS
ALL	271+36.22 to 419+62.46	-	200	30	TOTAL			7	9.160	61.067		TOTAL			7	5.570	37.133			
									TOTAL:	61.067						TOTAL:	37.133			

SUMMARY OF MONITOR EXISTING STRUCTURES

SITE NO.	LOCATION ADDRESS AND/OR STA.	STRUCTURE USAGE	INSPECTION & SETTLEMENT MONITORING 0108 1 LS P	INSPECTION & SETTLEMENT MONITORING 0108 1 LS F	VIBRATION MONITORING 0108 2 LS P	VIBRATION MONITORING 0108 2 LS F	GROUNDWATER MONITORING 0108 3 LS P	GROUNDWATER MONITORING 0108 3 LS F	DESIGN NOTES	CONSTRUCTION REMARKS
TOTAL:					1					

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-5

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

SUMMARY OF REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	LENGTH	WIDTH	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.						AREA (AC)	P	F	P	F		
0110 1 1	CLEARING & GRUBBING						LS	0.46	1.000		1			

SUMMARY OF EARTHWORK

PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0120 71	REGULAR EXCAVATION (3R PROJECTS ONLY)	148		EXCAVATION FOR WIDENING AREAS	

SUMMARY OF GEOSYNTHETIC REINFORCED FOUNDATION OVER SOFT SOIL

LOCATION	SIDE	AREA ID	LENGTH	WIDTH	GEOSYNTHETIC REINFORCED FOUNDATION OVER SOFT SOIL 0145 2 SY		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.					P	F		
410+19.07 to 410+98.91	RT	88.7	79.8	10.0	89		SEE MISC. DRAINAGE DETAILS	
410+19.07 to 410+98.91	RT	88.7	79.8	10.0	89			
412+22.80 to 413+17.73	RT	105.5	94.9	10.0	105			
412+22.80 to 413+17.73	RT	105.5	94.9	10.0	105			
413+48.18 to 413+96.16	RT	53.3	48.0	10.0	53			
413+48.18 to 413+96.16	RT	53.3	48.0	10.0	53			
416+97.83 to 418+41.77	RT	159.9	143.9	10.0	160			
416+97.83 to 418+41.77	RT	159.9	143.9	10.0	160			
				SUB-TOTAL:	815			
				TOTAL:	815			

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
0160 4	TYPE B STABILIZATION	298+34.06 to 300+45.10		RT	96390			SY	150		675			
		301+55.59 to 306+32.17		RT	96533				316					
		329+80.29 to 330+93.16		RT	96547				103					
		336+87.25 to 337+81.49		RT	96558				93					
		385+27.97 to 385+46.34		RT	96570				13					

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-6

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
0285715	OPTIONAL BASE, BASE GROUP 15	298+34.07 to 300+45.10		RT	18977			SY	97		433			
		301+55.59 to 306+32.16		RT	18987				193					
		329+80.29 to 330+93.16		RT	43254				44					
		329+98.06 to 330+79.41		RT	43261				30					
		336+87.26 to 337+81.49		RT	43189				37					
		336+98.59 to 337+72.29		RT	43184				26					
		385+27.99 to 385+46.34		LT	43127				6					
0327 70 1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	313+99.41 to 314+89.17		RT	63345			SY	369		729			
		313+99.41 to 314+89.18		RT	63352				360					
0327 70 5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	271+35.81 to 275+59.60		LT/RT	62349			SY	4007		134488			
		275+59.59 to 282+79.60		RT	62404				2689					
		275+59.60 to 282+79.60		RT	62378				2920					
		282+79.59 to 289+99.61		RT	62385				5693					
		289+99.61 to 297+19.61		RT	61527				2646					
		289+99.61 to 297+19.61		RT	61532				2630					
		297+19.61 to 304+19.61		LT/RT	73558				6002					
		304+19.61 to 311+39.61		RT	61604				5395					
		311+39.61 to 313+99.02		RT	65301				1031					
		311+39.61 to 313+99.02		RT	65309				962					
		314+88.78 to 318+39.61		RT	65286				1402					
		314+88.78 to 318+39.61		RT	65294				1296					
		318+39.61 to 325+39.61		RT	61700				2805					
		318+39.61 to 325+39.61		RT	61711				2743					
		328+89.57 to 328+89.57		LT/RT	61649				6677					
		330+04.19 to 330+72.92		RT	61719				217					
		332+39.21 to 339+39.21		RT	61735				2660					
		332+39.21 to 339+39.21		RT	61751				2804					
		339+39.21 to 346+39.34		LT/RT	61759				7084					
		346+39.10 to 353+40.60		LT/RT	61794				7132					
		356+89.94 to 356+89.94		LT/RT	79903				7897					
		363+90.25 to 363+90.25		RT	61929				5787					
		367+40.13 to 374+60.37		LT/RT	61971				6096					
		374+60.12 to 381+80.37		LT/RT	61992				7002					
		381+80.12 to 389+00.29		LT/RT	62052				7588					
		392+60.16 to 392+60.16		LT/RT	62125				7076					
		399+80.26 to 399+80.26		RT	62162				6355					
		403+40.23 to 410+60.43		LT/RT	62185				9127					
		410+60.16 to 417+80.31		RT	62252				3118					
		410+60.27 to 417+80.44		RT	62240				3885					
		417+80.18 to 419+62.89		RT	62263				1762					
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C)	271+35.81 to 275+59.60		LT/RT	65891			TN	220.4		7463.6			
		275+59.59 to 282+79.60		RT	65946				147.9					
		275+59.60 to 282+79.60		RT	65920				160.6					
		282+79.59 to 289+99.61		RT	65927				313.2					
		289+99.61 to 297+19.61		LT/RT	65858				145.6					
		289+99.61 to 297+19.61		RT	65863				144.6					
		297+19.61 to 304+19.61		LT/RT	73810				330.1					
		298+33.68 to 300+44.72		RT	68385				10.7					
		301+55.20 to 306+31.77		RT	68395				21.2					
		304+19.61 to 311+39.61		RT	65757				296.7					
		311+39.61 to 313+99.02		RT	66324				56.7					
		311+39.61 to 313+99.02		RT	66334				52.9					
		314+88.78 to 318+39.61		RT	66309				77.1					
		314+88.78 to 318+39.61		RT	66317				71.3					
		318+39.61 to 325+39.61		RT	65714				154.3					

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-7

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C)	318+39.61 to 325+39.61		RT	65725			TN	150.9					
	(CONT'D)	327+85.34 to 329+98.52		RT	66303				18.5					
		328+89.57 to 328+89.57		RT	66501				367.2					
		329+79.50 to 330+92.37		LT/RT	68450				4.9					
		329+97.27 to 330+78.62		RT	68457				3.3					
		330+04.19 to 330+72.92		RT	66479				12.0					
		332+39.21 to 339+39.21		RT	65692				146.3					
		332+39.21 to 339+39.21		RT	66675				154.2					
		336+86.47 to 337+80.71		RT	68444				4.1					
		336+97.80 to 337+71.50		RT	68439				2.8					
		339+39.21 to 346+39.34		RT	65646				389.7					
		346+39.10 to 353+40.60		LT/RT	65577				392.3					
		356+89.94 to 356+89.94		LT/RT	80301				434.3					
		363+90.25 to 363+90.25		LT/RT	66014				318.3					
		367+40.13 to 374+60.37		RT	65556				335.3					
		374+60.12 to 381+80.37		RT	65496				385.1					
		381+80.12 to 389+00.29		LT/RT	65423				417.4					
		385+28.36 to 385+46.76		LT/RT	68433				0.7					
		392+60.16 to 392+60.16		RT	65977				389.2					
		399+80.26 to 399+80.26		LT/RT	65954				349.6					
		403+40.23 to 410+60.43		RT	65368				502.0					
		410+60.16 to 417+80.31		LT/RT	65347				171.5					
		410+60.27 to 417+80.44		RT	65335				213.7					
		417+80.18 to 419+62.89		RT	65358				97.0					
0337 7 73	ASPHALTIC CONCRETE FRICTION COURSE	271+35.81 to 275+59.60		LT/RT	65074			TN	220.4		7468.7			
	(TRAFFIC C, FC-9.5, PG 76-22, ARB)	275+59.59 to 282+79.60		RT	65129				147.9					
		275+59.60 to 282+79.60		RT	65103				160.6					
		282+79.59 to 289+99.61		RT	65110				313.2					
		289+99.61 to 297+19.61		RT	65041				145.6					
		289+99.61 to 297+19.61		RT	65046				144.6					
		297+19.61 to 304+19.61		LT/RT	73691				335.4					
		304+19.61 to 311+39.61		RT	64919				296.7					
		311+39.61 to 318+39.61		RT	64895				154.1					
		311+39.61 to 318+39.61		RT	64907				144.0					
		318+39.61 to 325+39.61		RT	64876				154.3					
		318+39.61 to 325+39.61		RT	64887				150.9					
		327+85.34 to 329+98.52		LT/RT	64854				18.5					
		328+89.57 to 328+89.57		RT	65194				369.6					
		329+97.27 to 330+78.39		RT	65178				13.6					
		332+39.21 to 339+39.21		RT	64801				146.3					
		332+39.21 to 339+39.21		RT	65166				156.2					
		336+97.80 to 337+71.50		RT	65161				1.4					
		339+39.21 to 346+39.34		LT/RT	64750				389.7					
		346+39.10 to 353+40.60		LT/RT	64681				392.3					
		356+89.94 to 356+89.94		LT/RT	80230				434.3					
		363+90.25 to 363+90.25		RT	64573				318.3					
		367+40.13 to 374+60.37		RT	64552				335.3					
		374+60.12 to 381+80.37		LT/RT	64492				385.1					
		381+80.12 to 389+00.29		LT/RT	64419				417.4					
		392+60.16 to 392+60.16		LT/RT	64382				389.2					
		399+80.26 to 399+80.26		RT	64359				349.6					
		403+40.23 to 410+60.43		LT/RT	64304				502.0					
		410+60.16 to 417+80.31		RT	64283				171.5					
		410+60.27 to 417+80.44		RT	64271				213.7					
		417+80.18 to 419+62.89		RT	64294				97.0					

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-8

SUMMARY OF MISCELLANEOUS ASPHALT PAVEMENT

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	THICK (IN)	UNDER GUARDRAIL 0339 1 (TN) P	UNDER GUARDRAIL 0339 1 (TN) F	BICYCLE PATH 0339 1 (TN) P	BICYCLE PATH 0339 1 (TN) F	MEDIAN PAVEMENT 0339 1 (TN) P	MEDIAN PAVEMENT 0339 1 (TN) F	TEMPORARY SIDEWALK 0339 1 (TN) P	TEMPORARY SIDEWALK 0339 1 (TN) F	OTHER 0339 1 (TN) P	OTHER 0339 1 (TN) F	DESIGN NOTES	CONSTRUCTION REMARKS
273+89.67 to 274+41.31		47199				2.4											
300+35.79 to 300+73.70		73985				3.3											
301+45.48 to 301+54.47		46997				0.6											
310+48.60 to 310+66.15		59475				2.3											
311+98.13 to 311+99.14		47270				0.1											
311+98.13 to 311+99.14		47269				0.1											
312+04.13 to 312+05.14		47272				0.1											
312+04.13 to 312+05.14		47268				0.1											
312+10.13 to 312+11.14		47274				0.1											
312+10.13 to 312+11.14		47267				0.1											
312+16.13 to 312+17.14		47276				0.1											
312+16.13 to 312+17.14		47266				0.1											
312+22.13 to 312+23.14		47278				0.1											
312+22.13 to 312+23.14		47265				0.1											
312+28.13 to 312+29.14		47280				0.1											
312+28.13 to 312+29.14		47264				0.1											
312+34.13 to 312+35.14		47282				0.1											
312+34.13 to 312+35.14		47263				0.1											
312+40.13 to 312+41.14		47284				0.1											
312+40.13 to 312+41.14		47262				0.1											
312+46.13 to 312+47.14		47286				0.1											
312+46.13 to 312+47.14		47261				0.1											
312+52.13 to 312+53.14		47288				0.1											
312+52.13 to 312+53.14		47260				0.1											
312+58.13 to 312+59.14		47292				0.1											
312+58.13 to 312+59.14		47259				0.1											
312+64.13 to 312+65.14		47290				0.1											
312+64.13 to 312+65.14		47258				0.1											
312+70.13 to 312+71.14		47294				0.1											
312+70.13 to 312+71.14		47257				0.1											
312+76.13 to 312+77.14		47296				0.1											
312+76.13 to 312+77.14		47256				0.1											
312+82.13 to 312+83.14		47298				0.1											
312+82.13 to 312+83.14		47255				0.1											
312+88.13 to 312+89.14		47300				0.1											
312+88.13 to 312+89.14		47254				0.1											
312+94.13 to 312+95.14		47302				0.1											
312+94.13 to 312+95.14		47253				0.1											
313+00.13 to 313+01.14		47304				0.1											
313+00.13 to 313+01.14		47252				0.1											
313+06.13 to 313+07.14		47306				0.1											
313+06.13 to 313+07.14		47251				0.1											
313+12.13 to 313+13.14		47308				0.1											
313+12.13 to 313+13.14		47206				0.1											
313+18.13 to 313+19.14		47310				0.1											
313+18.13 to 313+19.14		47239				0.1											
313+24.13 to 313+25.14		47312				0.1											
313+24.13 to 313+25.14		47240				0.1											
					SUB-TOTAL:	13.0											
					TOTAL:	37.6											

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REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-9

SUMMARY OF MISCELLANEOUS ASPHALT PAVEMENT

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	THICK (IN)	UNDER GUARDRAIL 0339 1 (TN) P	UNDER GUARDRAIL 0339 1 (TN) F	BICYCLE PATH 0339 1 (TN) P	BICYCLE PATH 0339 1 (TN) F	MEDIAN PAVEMENT 0339 1 (TN) P	MEDIAN PAVEMENT 0339 1 (TN) F	TEMPORARY SIDEWALK 0339 1 (TN) P	TEMPORARY SIDEWALK 0339 1 (TN) F	OTHER 0339 1 (TN) P	OTHER 0339 1 (TN) F	DESIGN NOTES	CONSTRUCTION REMARKS
313+30.13 to 313+31.14		47314				0.1											
313+30.13 to 313+31.14		47241				0.1											
313+36.13 to 313+37.14		47316				0.1											
313+36.13 to 313+37.14		47242				0.1											
313+42.13 to 313+43.14		47318				0.1											
313+42.13 to 313+43.14		47243				0.1											
313+48.13 to 313+49.14		47320				0.1											
313+48.13 to 313+49.14		47244				0.1											
313+54.13 to 313+55.14		47322				0.1											
313+54.13 to 313+55.14		47245				0.1											
313+60.13 to 313+61.14		47324				0.1											
313+60.13 to 313+61.14		47246				0.1											
313+66.13 to 313+67.14		47326				0.1											
313+66.13 to 313+67.14		47247				0.1											
313+72.13 to 313+73.14		47328				0.1											
313+72.13 to 313+73.14		47248				0.1											
313+78.13 to 313+79.14		47330				0.1											
313+78.13 to 313+79.14		47249				0.1											
313+84.13 to 313+85.14		47332				0.1											
313+84.13 to 313+85.14		47250				0.1											
326+87.38 to 327+08.81		47002				3.0											
329+73.92 to 330+07.57		47017				3.2											
330+71.10 to 331+02.41		47026				2.6											
336+86.94 to 337+19.40		47035				1.9											
341+98.53 to 342+18.98		47049				2.5											
349+88.45 to 350+23.79		47066				2.8											
412+32.85 to 412+60.41		47122				3.1											
419+50.76 to 419+79.89		47085				3.5											
SUB-TOTAL:						24.6											

SUMMARY OF STRUCTURES QUANTITIES - BRIDGE 870609

SECTION	PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION			UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
SUPESTRUCTURE	0458 1 21	BRIDGE DECK EXPANSION JOINT, REHABILATION, POURED JOINT WITH BACKER ROD	BEGIN BRIDGE			LF	141		565			
			INT BENT 1				141					
			INT BENT 2				141					
			END BRIDGE				141					
	0458 2	POLYMER NOSING FOR BRIDGE DECK EXPANSION JOINT				CF	70.7		70.7			

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87" AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-10

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

SUMMARY OF UTILITY ADJUSTMENTS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STATION	SIDE	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0425 5	MANHOLE, ADJUST	273+99.64	52.91 (RT)	EA	1		44		FDOT	
		277+00.29	52.02 (RT)		1					
		287+99.01	51.63 (RT)		1					
		298+49.44	51.91 (RT)		1					
		300+77.16	50.98 (RT)		1					
		301+59.16	51.62 (RT)		1					
		323+07.41	15.92 (RT)		1					
		323+07.65	20.12 (RT)		1					
		327+70.41	47.68 (RT)		1					
		331+49.51	46.65 (RT)		1					
		342+87.49	47.04 (RT)		1					
		345+00.10	47.59 (RT)		1					
		349+31.52	0.65 (RT)		1					
		349+31.78	4.70 (RT)		1					
		350+00.58	41.78 (RT)		1					
		351+98.52	17.13 (RT)		1					
		351+99.88	42.51 (RT)		1					
		358+42.24	8.07 (RT)		1					
		368+49.64	57.56 (RT)		1					
		370+00.41	10.17 (RT)		1					
		375+19.84	56.97 (RT)		1					
		378+56.22	59.01 (RT)		1					
		384+40.04	58.19 (RT)		1					
		385+21.08	58.06 (RT)		1					
		385+47.39	47.72 (LT)		1					
		387+86.82	58.07 (RT)		1					
		387+87.93	11.34 (RT)		1					
		390+89.30	58.22 (RT)		1					
		391+89.16	58.50 (RT)		1					
		393+20.47	58.13 (RT)		1					
		395+80.04	14.57 (RT)		1					
		397+49.68	58.41 (RT)		1					
		402+85.92	12.70 (RT)		1					
		402+86.74	3.12 (RT)		1					
		405+99.18	40.27 (RT)		1					
		406+21.77	91.82 (RT)		1					
		409+09.67	120.88 (RT)		1					
		409+10.03	113.37 (RT)		1					
		411+01.57	49.56 (RT)		1					
		411+02.27	94.06 (RT)		1					
		413+00.08	52.84 (RT)		1					
		413+02.67	36.60 (RT)		1					
		415+02.10	49.70 (RT)		1					
		418+48.13	52.47 (RT)		1					

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-11

SUMMARY OF UTILITY ADJUSTMENTS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STATION	SIDE	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES (OWNER)	CONSTRUCTION REMARKS
0425 5 1	MANHOLE, ADJUST, UTILITIES	300+90.00	52.00 (RT)	EA	1		18		MDWASD	
		330+38.00	116.00 (RT)		1					
		342+65.00	154.00 (RT)		1					
		352+93.00	5.00 (RT)		1					
		353+08.00	5.00 (RT)		1					
		353+08.00	12.00 (RT)		1					
		353+17.00	12.00 (RT)		1					
		355+40.00	1.00 (RT)		1					
		356+04.00	5.00 (RT)		1					
		358+23.00	4.00 (RT)		1					
		358+31.00	6.00 (RT)		1					
		379+67.00	72.00 (RT)		1					
		402+80.00	5.00 (RT)		1					
		402+82.00	20.00 (RT)		1					
		403+05.00	7.00 (RT)		1					
		407+60.00	80.00 (RT)		1					
		408+27.00	31.00 (LT)		1					
		408+39.00	26.00 (LT)		1					
0425 6	ADJUSTING VALVE BOXES	273+86.00	32.00 (RT)	EA	1		106		MDWASD	
		273+97.00	32.00 (RT)		1					
		274+10.00	32.00 (RT)		1					
		274+75.00	16.00 (RT)		1					
		274+75.00	66.00 (RT)		1					
		274+77.00	14.00 (RT)		1					
		274+82.00	12.00 (RT)		1					
		274+15.00	33.00 (RT)		1					
		286+72.00	85.00 (RT)		1					
		286+74.00	14.00 (RT)		1					
		287+06.00	22.00 (RT)		1					
		287+06.00	32.00 (RT)		1					
		301+10.00	11.00 (RT)		1					
		301+33.00	7.00 (RT)		1					
		301+35.00	6.00 (LT)		1					
		301+59.00	31.00 (RT)		1					
		301+82.00	33.00 (RT)		1					
		308+91.00	19.00 (RT)		1					
		308+91.00	32.00 (RT)		1					
		309+88.00	35.00 (RT)		1					
		313+46.00	21.00 (RT)		1					
		313+64.00	9.00 (RT)		1					
		315+25.00	11.00 (RT)		1					
		315+43.00	23.00 (RT)		1					
		327+62.00	20.00 (RT)		1					
		329+58.00	14.00 (RT)		1					
		329+66.00	14.00 (RT)		1					
		330+44.00	31.00 (RT)		1					
		330+56.00	101.00 (RT)		1					
		330+58.00	124.00 (RT)		1					
		330+98.00	32.00 (RT)		1					
		336+77.00	40.00 (RT)		1					
		342+87.00	39.00 (RT)		1					
		342+87.00	108.00 (RT)		1					
		350+76.00	73.00 (LT)		1					
		352+10.00	25.00 (RT)		1					

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-12

SUMMARY OF UTILITY ADJUSTMENTS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STATION	SIDE	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES (OWNER)	CONSTRUCTION REMARKS
0425 6	ADJUSTING VALVE BOXES	354+75.00	38.00 (RT)		1				MDWASD	
	(CONT'D)	354+90.00	15.00 (RT)		1					
		355+47.00	20.00 (RT)		1					
		355+58.00	39.00 (RT)		1					
		356+06.00	32.00 (RT)		1					
		356+07.00	15.00 (RT)		1					
		356+07.00	18.00 (RT)		1					
		356+24.00	71.00 (RT)		1					
		356+31.00	83.00 (RT)		1					
		357+49.00	32.00 (RT)		1					
		357+79.00	89.00 (RT)		1					
		358+26.00	89.00 (RT)		1					
		358+32.00	99.00 (RT)		1					
		359+57.00	40.00 (RT)		1					
		360+20.00	40.00 (RT)		1					
		363+35.00	89.00 (RT)		1					
		367+48.00	31.00 (RT)		1					
		367+75.00	93.00 (RT)		1					
		367+77.00	73.00 (RT)		1					
		367+79.00	78.00 (RT)		1					
		367+81.00	35.00 (RT)		1					
		368+46.00	31.00 (RT)		1					
		370+47.00	32.00 (RT)		1					
		373+27.00	31.00 (RT)		1					
		373+32.00	81.00 (RT)		1					
		376+48.00	31.00 (RT)		1					
		376+96.00	141.00 (RT)		1					
		377+00.00	28.00 (RT)		1					
		377+24.00	31.00 (RT)		1					
		377+35.00	27.00 (RT)		1					
		379+20.00	31.00 (RT)		1					
		379+52.00	24.00 (RT)		1					
		383+67.00	27.00 (RT)		1					
		385+81.00	1.00 (RT)		1					
		385+81.00	28.00 (RT)		1					
		387+31.00	31.00 (RT)		1					
		387+71.00	10.00 (RT)		1					
		388+21.00	6.00 (RT)		1					
		388+21.00	26.00 (RT)		1					
		391+67.00	29.00 (RT)		1					
		394+19.00	8.00 (RT)		1					
		394+20.00	31.00 (RT)		1					
		396+25.00	20.00 (RT)		1					
		396+75.00	80.00 (RT)		1					
		396+80.00	80.00 (RT)		1					
		399+20.00	30.00 (RT)		1					
		401+46.00	27.00 (RT)		1					
		403+35.00	35.00 (RT)		1					
		405+64.00	55.00 (RT)		1					
		405+70.00	55.00 (RT)		1					
		408+12.00	56.00 (RT)		1					
		408+51.00	53.00 (RT)		1					

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-13

SUMMARY OF UTILITY ADJUSTMENTS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STATION	SIDE	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES (OWNER)	CONSTRUCTION REMARKS
0425 6	ADJUSTING VALVE BOXES	408+52.00	94.00 (RT)		1				MDWASD	
	(CONT'D)	408+52.00	52.00 (RT)		1					
		408+67.00	60.00 (RT)		1					
		409+01.00	59.00 (RT)		1					
		409+25.00	29.00 (RT)		1					
		409+66.00	106.00 (RT)		1					
		409+87.00	9.00 (RT)		1					
		409+87.00	88.00 (RT)		1					
		409+88.00	50.00 (RT)		1					
		409+88.00	28.00 (RT)		1					
		409+90.00	81.00 (RT)		1					
		409+92.00	27.00 (RT)		1					
		410+13.00	58.00 (RT)		1					
		410+30.00	68.00 (RT)		1					
		410+33.00	60.00 (RT)		1					
		414+62.00	73.00 (RT)		1					
		414+64.00	70.00 (RT)		1					
		414+66.00	70.00 (RT)		1					

SUMMARY OF DESILTING PIPE, 0-24"

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STRUCTURE TO STRUCTURE	SIDE	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
430-94-1	DESILTING PIPE, 0 - 24"	EX-23 TO S-2	RT	LF	39		39			
		EX-24A TO S-2	RT	LF	44		44			
		EX-24 TO EX-25	RT	LF	8		8			
		EX-25 TO EX-31	RT	LF	195		195			
		EX-C1 TO S-3	RT	LF	30		30			
		EX-C1 TO EX-31	RT	LF	11		11			
		S-4 TO EX-31	RT	LF	100		100			
		EX-31 TO EX-30	RT	LF	195		195			
		EX-30 TO S-7	RT	LF	190		190			
		EX-27 TO EX-29	RT	LF	39		39			
		EX-28 TO S-7	RT	LF	35		35			
						TOTAL:	886			

SUMMARY OF RAILING

LOCATION STA. TO STA.	SIDE	ALUMINUM BULLET RAILING 0460 70 1 LF P	ALUMINUM BULLET RAILING 0460 70 1 LF F	PIPE HANDRAIL - GUIDERAIL 0515 1 A LF P	PIPE HANDRAIL - GUIDERAIL 0515 1 A LF F	PED/BICYCLE RAILING 0515 2ABB LF P	PED/BICYCLE RAILING 0515 2ABB LF F	HANDRAIL 0515 3 A LF P	HANDRAIL 0515 3 A LF F	BULLET RAIL, SINGLE RAIL 0515 4 1 LF P	BULLET RAIL, SINGLE RAIL 0515 4 1 LF F	DESIGN NOTES	CONSTRUCTION REMARKS
313+95.07 to 313+99.07	RT									4			
314+89.35 to 314+93.35	RT									4			
SUB-TOTAL:										8			
TOTAL:										8			

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REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-14

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	UNIT	QUANTITY GROSS LENGTH	DEDUCTIONS TYPE	DEDUCTIONS LENGTH	NET LENGTH P	NET LENGTH F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	281+87.32 to 282+12.70	RT	LF	26			26		2522			
		283+95.59 to 284+87.59	RT		92			92					
		300+35.40 to 300+79.28	LT		82			82					
		300+54.68 to 300+77.26	RT		23			23					
		301+49.60 to 301+49.60	LT		51			51					
		301+65.21 to 306+31.78	LT		472			472					
		310+44.61 to 311+27.61	RT		83			83					
		318+58.61 to 319+17.61	RT		59			59					
		322+73.61 to 323+45.61	RT		72			72					
		326+92.93 to 327+08.93	RT		16			16					
		327+05.72 to 327+05.72	LT		58			58					
		329+79.56 to 330+12.77	RT		39			39					
		330+65.15 to 331+09.21	RT		50			50					
		336+16.92 to 336+32.29	RT		20			20					
		336+71.55 to 336+90.51	RT		22			22					
		336+86.40 to 337+14.38	LT		35			35					
		337+58.86 to 337+80.63	LT		24			24					
		342+17.16 to 342+17.16	LT		138			138					
		342+24.86 to 342+24.86	RT		57			57					
		342+87.87 to 343+22.33	RT		48			48					
		349+90.33 to 350+19.81	RT		36			36					
		350+08.07 to 350+08.07	LT		69			69					
		350+82.52 to 351+08.58	LT		45			45					
		350+94.55 to 350+94.55	RT		36			36					
		355+28.42 to 355+46.58	LT		26			26					
		355+31.47 to 355+60.79	RT		30			30					
		355+31.75 to 355+59.95	LT		29			29					
		355+59.95 to 355+61.44	LT		3			3					
		355+60.79 to 355+62.27	RT		3			3					
		355+61.44 to 355+62.27	LT		13			13					
		362+39.81 to 362+39.81	LT		24			24					
		364+43.41 to 364+60.71	LT		20			20					
		364+52.06 to 364+52.06	LT		20			20					
		364+99.14 to 365+19.02	LT		23			23					
		365+09.08 to 365+09.08	LT		23			23					
		367+56.06 to 367+69.57	RT		18			18					
		368+20.68 to 368+37.84	RT		22			22					
		369+76.40 to 369+87.68	LT		17			17					
		370+38.72 to 370+59.01	LT		26			26					
		376+28.58 to 376+58.64	RT		46			46					
		376+43.91 to 376+43.91	LT		55			55					
		377+01.22 to 377+16.36	RT		23			23					
		377+10.86 to 377+49.09	LT		64			64					
		379+60.91 to 379+80.35	RT		24			24					
		380+32.12 to 381+15.20	RT		84			84					
		381+93.11 to 382+46.11	RT		53			53					
		383+07.29 to 383+07.29	RT		23			23					
		385+24.48 to 385+53.78	RT		39			39					
		385+36.15 to 385+36.15	LT		38			38					
		385+93.63 to 386+26.73	RT		48			48					
		386+02.17 to 386+29.97	LT		37			37					
		392+08.09 to 392+22.61	RT		19			19					
		396+30.63 to 396+45.20	RT		19			19					
0520 2 4	CONCRETE CURB, TYPE D	298+34.06 to 300+45.10	RT	LF	212			212		464			
		298+34.07 to 300+45.10	RT		212			212					
		300+45.10 to 300+45.10	RT		2			2					
		355+42.60 to 355+44.73	LT/RT		19			19					
		355+49.52 to 355+51.67	LT/RT		19			19					
0520 3	VALLEY GUTTER - CONCRETE	329+92.54 to 330+83.97	RT	LF	92			92		187			
		336+87.19 to 337+81.42	RT		95			95					
0520 5 41	TRAFFIC SEPARATOR CONC. - TYPE IV, 4' WIDE	273+96.65 to 274+02.84	LT/RT	LF	4			4		4			

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-15

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4" 0522 1 SY P	CONC SIDEWALK 4" 0522 1 SY F	CONC SIDEWALK 6" 0522 2 SY P	CONC SIDEWALK 6" 0522 2 SY F	DETECTABLE WARNINGS 0527 2 SF P	DETECTABLE WARNINGS 0527 2 SF F	DESIGN NOTES	CONSTRUCTION REMARKS
273+86.77 to 273+93.77	RT	58211			5							
275+31.76 to 275+38.76	RT	58215			5							
281+87.31 to 282+12.70	RT	41722			17							
283+95.59 to 284+87.59	RT	41727			62							
298+33.67 to 300+44.71	LT	41732			18							
300+54.68 to 300+77.26	RT	58365			16							
300+59.87 to 300+79.85	LT	76794			42							
301+35.92 to 301+45.58	LT	42059			14							
310+44.61 to 311+27.61	RT	41738			56							
318+58.61 to 319+17.61	RT	41743			40							
322+73.61 to 323+45.61	RT	41748			48							
326+92.93 to 327+08.93	RT	41753			11							
327+07.17 to 327+23.73	LT	42072			29							
327+09.89 to 327+15.35	LT	50753			10							
329+79.59 to 330+12.37	RT	42085			24							
330+65.59 to 331+09.21	RT	42097			31							
336+14.53 to 336+31.88	RT	42106			12							
336+71.91 to 336+91.58	RT	42115			14							
342+02.92 to 342+46.30	RT	41758			35							
342+16.91 to 342+36.04	LT	42130			27							
342+33.68 to 342+40.36	LT	42140			16							
342+88.36 to 343+22.33	RT	69010			28							
349+90.20 to 350+19.37	RT	41768			22							
350+79.48 to 351+10.02	RT	41778			22							
350+83.02 to 351+09.01	LT	58143			26							
355+26.72 to 355+46.13	LT	80460			13							
355+41.72 to 355+61.77	LT	50778			30							
362+29.73 to 362+47.35	LT	48993			9							
364+43.42 to 364+59.94	LT	49003			9							
365+00.95 to 365+19.04	LT	49012			9							
367+52.53 to 367+69.18	RT	42216			12							
368+24.84 to 368+35.92	RT	42223			7							
369+76.12 to 369+83.15	LT	42230			7							
370+39.13 to 370+60.37	LT	42238			14							
376+23.96 to 376+63.42	LT	41797			35							
376+26.83 to 376+58.14	RT	58581			55							
377+01.68 to 377+24.60	RT	50708			25							
377+11.35 to 377+25.75	LT	48865			22							
379+61.32 to 379+82.06	RT	42254			16							
380+32.10 to 381+15.20	RT	69055			55							
381+93.09 to 382+46.11	RT	41813			36							
382+97.85 to 383+13.66	RT	42271			16							
385+24.41 to 385+53.30	RT	42749			30							
385+24.67 to 385+42.76	LT	42312			26							
385+96.77 to 386+18.08	RT	59369			15							
386+08.56 to 386+26.74	RT	59395			26							
386+16.66 to 386+16.66	LT	42325			23							
392+06.24 to 392+22.21	RT	42363			12							
396+29.51 to 396+44.80	RT	42376			11							
				SUB-TOTAL:	1143							
				TOTAL:	1167		25		672			

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REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-16

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4" 0522 1 SY P	CONC SIDEWALK 4" 0522 1 SY F	CONC SIDEWALK 6" 0522 2 SY P	CONC SIDEWALK 6" 0522 2 SY F	DETECTABLE WARNINGS 0527 2 SF P	DETECTABLE WARNINGS 0527 2 SF F	DESIGN NOTES	CONSTRUCTION REMARKS
409+56.14 to 409+66.16	RT	41818			7							
411+07.64 to 411+12.66	RT	41823			4							
413+90.42 to 414+04.44	RT	41828			10							
415+88.83 to 415+93.84	RT	58993			3							
342+31.34 to 342+39.45	LT	37900					25					
300+68.48 to 300+73.56	LT	31549							15			
301+39.94 to 301+44.99	LT	24831							15			
326+99.32 to 327+03.32	RT	24858							8			
327+08.76 to 327+16.90	LT	31559							19			
330+03.57 to 330+08.38	RT	24877							10			
330+70.57 to 330+75.38	RT	24882							10			
336+22.16 to 336+28.84	RT	31577							15			
336+78.57 to 336+85.89	RT	31572							15			
342+14.97 to 342+19.82	RT	24917							10			
342+17.95 to 342+24.79	LT	31635							14			
342+34.84 to 342+39.56	RT	24922							10			
343+01.09 to 343+07.25	RT	31642							13			
350+09.44 to 350+14.62	RT	24951							10			
350+90.44 to 350+95.57	RT	24956							10			
350+91.71 to 350+96.88	LT	24961							10			
355+35.84 to 355+42.46	LT	31651							14			
355+43.61 to 355+50.62	RT	31680							12			
355+43.66 to 355+50.67	RT	31674							12			
362+39.19 to 362+46.10	RT	32077							13			
362+91.15 to 363+02.65	RT	32083							17			
364+54.03 to 364+58.81	RT	40795							9			
365+01.53 to 365+07.64	RT	40802							11			
366+14.28 to 366+24.94	RT	32484							17			
367+60.01 to 367+64.95	RT	32524							10			
368+25.70 to 368+31.57	RT	32529							11			
369+76.81 to 369+82.51	RT	32545							12			
370+43.14 to 370+47.70	RT	32551							9			
376+34.94 to 376+39.90	RT	25013							10			
376+37.96 to 376+42.44	RT	25036							9			
376+52.10 to 376+55.71	RT	25041							9			
376+53.43 to 376+58.59	LT	25018							11			
377+06.39 to 377+10.63	RT	50681							9			
377+17.26 to 377+24.42	LT	50673							19			
379+05.03 to 379+16.68	RT	33592							25			
379+65.98 to 379+73.74	RT	33597							16			
383+07.02 to 383+11.13	RT	34109							9			
383+50.97 to 383+60.64	RT	34116							22			
385+30.62 to 385+35.08	RT	40787							9			
385+31.59 to 385+42.22	RT	40748							31			
385+46.31 to 385+50.28	RT	40769							9			
385+97.54 to 386+04.89	RT	40755							19			
386+07.83 to 386+19.01	LT	37040							26			
386+19.79 to 386+25.35	RT	40761							9			
392+12.69 to 392+17.09	RT	34747							9			
392+74.62 to 392+86.14	RT	34752							25			
396+35.29 to 396+39.65	RT	35361							9			
396+97.51 to 397+09.89	RT	35366							27			
409+13.37 to 409+16.88	LT	35586							10			
412+53.83 to 412+59.33	LT	36017							11			
413+21.80 to 413+26.19	LT	36022							8			
SUB-TOTAL :					24		25		672			

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-17

SUMMARY OF GUARDRAIL

LOCATION STA. TO STA.	SIDE	GUARDRAIL 536 1 1 LF P	GUARDRAIL 536 1 1 LF F	PIPE RAIL 536 6 LF P	PIPE RAIL 536 6 LF F	END ANCHORAGE ASSEMBLY PARALLEL 536 85 24 EA P	END ANCHORAGE ASSEMBLY PARALLEL 536 85 24 EA F	END ANCHORAGE ASSEMBLY TYPE II 536 85 25 EA P	END ANCHORAGE ASSEMBLY TYPE II 536 85 25 EA F	END ANCHORAGE ASSEMBLY TYPE CRT 536 85 26 EA P	END ANCHORAGE ASSEMBLY TYPE CRT 536 85 26 EA F	DESIGN NOTES	CONSTRUCTION REMARKS
273+89.67 to 274+02.45	RT	25.0											
300+35.79 to 300+47.19	RT	12.5											
300+53.58 to 300+69.24	LT	37.5											
300+72.42 to 300+73.07	LT	12.5											
310+36.24 to 310+48.74	RT	12.5											
310+64.18 to 310+66.15	LT	37.5											
311+91.64	RT					1							
311+97.89 to 312+16.64	RT	25.0		25									
312+16.64 to 313+85.40	RT	175.0		175									
313+91.65	RT							1					
326+68.21 to 326+80.71	RT	12.5											
326+80.72 to 326+93.21	RT	12.5											
326+91.60	LT									1			
327+08.20 to 327+08.81	LT	37.5											
329+58.66 to 329+71.16	RT	12.5											
329+71.16 to 329+83.66	RT	12.5											
330+07.50 to 330+07.55	LT	37.5											
330+08.22	LT									1			
330+70.60 to 330+70.62	LT	37.5											
330+94.12 to 331+06.62	RT	12.5											
330+71.05	LT									1			
331+06.62 to 331+19.12	RT	12.5											
336+74.70 to 336+87.19	RT	12.5											
337+18.09 to 337+19.40	LT	12.5											
341+94.22 to 342+00.35	RT	12.5											
342+02.93	LT									1			
342+03.85 to 342+10.95	LT	12.5											
342+10.97 to 342+11.70	LT	12.5											
342+18.97 to 342+18.98	LT	50.0											
349+87.41 to 349+99.91	LT	12.5											
349+96.95 to 350+04.06	LT	12.5											
349+97.28 to 350+16.56	LT	25.0											
349+97.26	LT									1			
350+23.40 to 350+24.11	LT	175.0											
407+00.00	LT									1			
412+17.68 to 412+30.18	RT	12.5											
412+42.03 to 412+54.68	LT	25.0											
412+60.32 to 412+60.39	LT	50.0											
419+52.71	LT									1			
419+60.76 to 419+63.92	LT	12.5											
419+78.15 to 419+79.89	LT	50.0											
	TOTAL:	1012.5		200		1		1		7			

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REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-18

SUMMARY OF GUARDRAIL

LOCATION	SIDE	GUARDRAIL SHOP-BENT PANELS		SPECIAL GUARDRAIL POST		GUARDRAIL REMOVAL		GUARDRAIL ANCHORAGE CONC. BARRIER				DESIGN NOTES	CONSTRUCTION REMARKS
		0536 2		0536 7		0536 73		0536 82					
STA. TO STA.		LF		EA		LF		EA					
		P	F	P	F	P	F	P	F	P	F		
274+02.45 to 274+41.31	LT	62.5											
300+47.19 to 300+53.69	RT	12.5											
300+69.24 to 300+72.42	LT	12.5											
310+48.61 to 310+64.18	LT	37.5											
326+93.21 to 327+08.81	LT	25.0											
327+00.26 to 327+08.20	LT	12.5											
329+83.66 to 330+07.50	LT	37.5											
330+70.30 to 330+93.64	LT	37.5											
336+87.19 to 337+19.40	LT	50.0											
342+00.35 to 342+18.98	LT	25.0											
342+10.97 to 342+11.70	LT	12.5											
342+11.46 to 342+18.98	LT	25.0											
349+98.87 to 350+23.39	LT	37.5											
350+16.56 to 350+24.11	LT	12.5											
412+30.21 to 412+42.03	LT	25.0											
412+54.68 to 412+60.32	LT	25.0											
419+57.57 to 419+69.59	LT	12.5											
419+63.92 to 419+79.89	LT	37.5											
419+69.59 to 419+78.15	LT	12.5											
273+89.67 to 274+41.31	RT					72							
300+31.12 to 300+41.11	RT					10							
300+41.11 to 300+72.57	RT					49							
310+48.22 to 310+66.59	RT					71							
326+87.47 to 327+12.04	RT					72							
329+74.35 to 330+09.17	RT					95							
330+69.42 to 330+93.99	LT					84							
330+93.99 to 331+05.79	RT					12							
336+87.33 to 337+18.17	RT					49							
337+18.08 to 337+18.53	LT					12							
341+94.24 to 342+34.64	RT					90							
349+87.79 to 350+15.68	LT					35							
350+15.68 to 350+17.87	LT					37							
412+45.31 to 412+68.73	RT					89							
419+50.78 to 419+78.16	LT					82							
419+57.34 to 419+74.77	RT					20							
30+05.31 to 30+17.81	LT			3								29.78'LT,26.17'LT,23.7'LT (BL NW 142 ST)	
30+00.00 to 30+14.55	LT			3								36.86'LT,34.23'LT,34.45'LT (BL NW 158 ST)	
30+03.59 to 30+14.55	RT			3								46.73' LT, 47.24' LT, 48.43' LT (BL NW 163 ST)	
419+78.00	LT			6								17',24',31',38',45',52' LT (BL SURVEY SR 823)	
310+48.14	RT							1					
326+87.32	RT							1					
329+71.16	RT							1					
336+87.20	RT							1					
341+94.26	RT							1					
349+87.43	LT							1					
412+17.68	RT							1					
419+57.57	RT							1					
TOTAL:		512.5		15		879		8					

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REVISIONS			
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JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-19

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF 0570 1 1 SY P	PERFORMANCE TURF 0570 1 1 SY F	PERFORMANCE TURF (SOD) 0570 1 2 SY P	PERFORMANCE TURF (SOD) 0570 1 2 SY F	PREPARED SOIL LAYER 0162 1 AB SY P	PREPARED SOIL LAYER 0162 1 AB SY F	DESIGN NOTES	CONSTRUCTION REMARKS
274+15.82 to 274+38.32	LT	43911					9					
300+35.79 to 300+70.07	LT	74022					14					
301+65.13 to 306+32.18	RT	43931					104					
310+48.59 to 310+63.16	LT	59521					15					
326+87.83 to 327+05.81	LT	43953					14					
329+86.42 to 330+04.57	LT	43964					18					
330+73.60 to 331+02.41	LT	43971					20					
336+86.94 to 337+16.40	LT	43982					13					
341+98.55 to 342+15.98	LT	43990					13					
342+12.01 to 342+30.84	LT	44000					42					
349+87.86 to 350+05.89	LT	44020					4					
349+91.65 to 350+21.12	LT	44009					30					
355+31.67 to 355+44.23	RT	44027					21					
368+21.02 to 368+32.02	RT	44034					5					
368+31.78 to 368+37.87	RT	44041					5					
369+82.51 to 369+86.82	LT	44048					2					
370+38.72 to 370+48.46	LT	44053					2					
376+59.55 to 376+65.04	LT	44057					3					
385+43.27 to 385+53.25	RT	44062					2					
385+96.50 to 386+09.69	RT	44067					2					
386+04.81 to 386+08.31	RT	44073					1					
392+05.94 to 392+09.80	RT	44077					3					
392+11.46 to 392+21.91	RT	44082					2					
396+29.21 to 396+32.54	RT	44091					2					
396+33.98 to 396+44.50	RT	44087					2					
412+32.45 to 412+57.41	LT	44095					20					
412+45.10 to 412+68.48	LT	44106					30					
419+50.76 to 419+76.91	LT	44113					27					
SUB-TOTAL:							425					
TOTAL:							425					

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REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-20

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS (FINANCIAL PROJECT ID 430803-1-52-02)

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	ALL PHASES			PHASE I			PHASE II B			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL				
			DAYS	P	P	DAYS	P	P	DAYS	P	P	P	F		
0102 60	WORK ZONE SIGNS														
	INDEX 600	ED				2	4	8				8			
	INDEX 613	ED				2	4	8	5	4	20	28			
	INDEX 660	ED				2	9	18				18			
	ADDITIONAL	ED				2	9	18	5	8	40	58			
0102 74 1	BARRICADE TEMP, TYPES I,II,DI,VP, DRUMP OR LCD	ED				2	66	132	5	70	350	482			
0102 76	ARROW BOARD/ ADVANCE WARNING ARROW PANEL	ED				2	1	2	5	1	5	7			
0102 74 6	PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE	ED				2	3	6				6			

SUMMARY OF MONITOR EXISTING STRUCTURES

SITE NO.	LOCATION	STRUCTURE USAGE	INSPECTION & SETTLEMENT MONITORING		VIBRATION MONITORING		GROUNDWATER MONITORING		DESIGN NOTES	CONSTRUCTION REMARKS
			0108 1		0108 2		0108 3			
	ADDRESS AND/OR STA.		LS		LS		LS			
			P	F	P	F	P	F		
		TOTAL			1					

SUMMARY OF REMOVAL ITEMS (FINANCIAL PROJECT ID 430803-1-52-02)

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	LENGTH	WIDTH	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.						AREA (AC)	P	F	P	F		
0110 1 1	CLEARING & GRUBBING						LS	0.19	1		1			

SUMMARY OF EARTHWORK (FINANCIAL PROJECT ID 430803-1-52-02)

PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0120 71	REGULAR EXCAVATION (3R PROJECTS ONLY)	368		EXCAVATION FOR WIDENING AREAS	

SUMMARY OF PAVEMENT (FINANCIAL PROJECT ID 430803-1-52-02)

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
0160 4	TYPE B STABILIZATION	357+86.76 to 358+65.64		LT/RT	120535			SY	232.8		233			
285710	OPTIONAL BASE, BASE GROUP 10	357+86.76 to 358+65.64		LT/RT	120567			SY	232.8		233			
285715	OPTIONAL BASE, BASE GROUP 15	360+64.76 to 363+76.78		RT	120606			SY	560.5		561			
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE (C)	357+86.76 to 358+65.64		LT/RT	120648			TN	12.80		37.2			
		360+64.76 to 363+76.78		RT	120664				24.42					
0337 7 73	ASPHALTIC CONCRETE FRICTION COURSE (TRAFFIC C, FC-9.5, PG 76-22, ARB)	357+86.76 to 358+65.64		LT/RT	120756			TN	12.80		37.2			
		360+64.76 to 363+76.78		RT	120738				24.42					

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-21

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS (FINANCIAL PROJECT ID 430803-1-52-02)

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY GROSS LENGTH	DEDUCTIONS TYPE	DEDUCTIONS LENGTH	NET LENGTH P	NET LENGTH F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	357+86.80 to 358+02.31	LT/RT		LF	36.5			36.5		183			
		358+31.86 to 358+33.46	LT			6.0			6.0					
		358+33.46 to 358+65.69	LT			39.4			39.4					
		362+76.77 to 363+76.78	RT			101.4			101.4					
0520 5 41	TRAFFIC SEPARATOR CONCRETE - TYPE IV, 4' WIDE	360+66.78 to 362+76.77	RT		LF	105.0			105.0		105			

SUMMARY OF PERMANENT CRASH CUSHIONS (FINANCIAL PROJECT ID 430803-1-52-02)

LOCATION STATION	SIDE	BARRIER SYSTEM CONCRETE BARRIER WALL	BARRIER SYSTEM GUARDRAIL	DESIGN LENGTH FT	DESIGN SPEED MPH	CRASH TEST LEVEL TL-2 / TL-3	HAZARD WIDTH IN	LENGTH RESTRICTION FT	RELOCATE 0544 74 40 P	RELOCATE 0544 74 40 F	CRASH CUSHION 0544 75 1 P	CRASH CUSHION 0544 75 1 F	DESIGN NOTES	CONSTRUCTION REMARKS
356+25.82	RT			7.25	45	2	36.00	10.00			1			
357+63.29	RT			7.25	45	2	36.00	10.00			1			
								SUB-TOTAL:			2			
								TOTAL:			2			

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS (FINANCIAL PROJECT ID 430803-1-52-02)

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4" 0522 1 SY P	CONC SIDEWALK 4" 0522 1 SY F	PAVERS, ARCH. SIDEWALK 0526 1 2 SY P	PAVERS, ARCH. SIDEWALK 0526 1 2 SY F	DETECTABLE WARNINGS 0527 2 SF P	DETECTABLE WARNINGS 0527 2 SF F	DESIGN NOTES	CONSTRUCTION REMARKS
357+86.23 to 358+02.31	LT/RT	120785			14.2							
358+41.54 to 358+65.90	LT	91456			16.2							
				SUB-TOTAL:	30.4							
				TOTAL:	30							

SUMMARY OF PERFORMANCE TURF (FINANCIAL PROJECT ID 430803-1-52-02)

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD) 0570 1 2 SY P	PERFORMANCE TURF (SOD) 0570 1 2 SY F	DESIGN NOTES	CONSTRUCTION REMARKS
358+32.35 to 358+46.79	LT	120804			10.5			
362+76.77 to 363+76.79	RT	94593			63.4			
				SUB-TOTAL:	73.9			
				TOTAL:	74			

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REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
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MIAMI, FL 33178
PHONE No. (305) 718 0599
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ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-22

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL			FRENCH DRAIN	MANHOLES		CURB INLET			CLASS I CONC. (ENDWALLS)	REINF.STEEL (MISC.)	REMARKS
						ROUND			24"	J-8	P-8	P-5	J-5	P-6	CY	LBS	
						15"	18"	24"		<10'	>10'	<10'	<10'	<10'			
P	S-1	410+00.00	RT	INLET-PIPE	1		95						1				
F																	
P	S-2	411+00.00	RT	MH-FD-PIPE	1	6		3	80	1							CONST. CONCRETE COLLAR
F																	
P	S-3	412+15.12	LT	PIPE-ENDWALL	1			87							2.3	58	GUARD AT PIPE/ MANATEE GRATE
F																	
P	S-4	412+20.00	RT	INLET-PIPE	1	3							1				
F																	
P	S-5	413+02.29	LT	MH-PIPE	1			14			1						CONST. CONCRETE COLLAR
F																	
P	S-6	413+20.00	RT	INLET-PIPE-FD	1			26	148				1				
F																	
P	S-7	416+94.91	RT	MH-FD-PIPE	1	6			145	1							CONST. CONCRETE COLLAR
F																	
P																

GENERAL NOTES

1. The Contractor may use any of the optional pipe materials tabulated for a given structure. Only the material options tabulated for a given structure can be used.

2. Adjustment to the bid quantities, prices and payment will not be allowed due to increase or decrease in structure size, shape, length, width, depth or accessory construction necessary to accommodate the use of an optional pipe material other than the "plotted" option; likewise there will be no added or reduced compensation for structure alterations required to relieve utility conflicts which arise from the use of an optional material other than the "plotted" option.

3. Adjustment to the bid quantities, prices and payment will not be allowed due to increased or decreased excavation, bedding, borrow, backfilling, compaction, special installation requirements or disposal of excess materials due to use of any of the pipe optional materials. Likewise, adjustment in the quantities, prices and payment will not be allowed due to differences in end treatment size or types, pipe length, alternate jointing and connecting materials, saddles, cradles, filter fabrics, shoring or similar features due to the use of an optional material other than the "plotted" option.

4. If adjustments are required due to plan errors or omissions or authorized field changes, the "plotted" material and not the material elected by the Contractor would be used to establish new pay quantities.

5. The Contractor shall notify the Department in writing as to which optional pipe material he chooses to use at the preconstruction conference. Once identified the contactor may not change pipe material selected without the approval of the Engineer.

6. Pipe sizes other than round (Ellipitical/Arch) are summarized and paid for using equivalent round pipe diameter.

STRUCTURE	SIZE (Inches)	MATERIAL	PLOTTED	AS BUILT	REMARKS
ALL	15" SS	NRCP			
		RCP			
		SRAP (16 Ga.)			
		PPP			
		PVC (ASTM F-949)			
		HDPE CLASS II	X		
ALL	18" SS	NRCP			
		RCP			
		SRAP (16 Ga.)			
		SRASP (14 Ga.)			
		PPP			
		PVC (ASTM F-949)			
		HDPE CLASS II	X		
ALL	24" SS	NRCP			
		RCP	X		
		SRAP (16 Ga.)			
		SRASP (14 Ga.)			
		PPP			
		PVC (ASTM F-949)			
		HDPE CLASS II			
ALL	24" FD	SRAP (16 Ga.)			
		PPP			
		PVC (ASTM F-949)			
		HDPE CLASS II	X		
		SRASP (14 Ga.)			

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

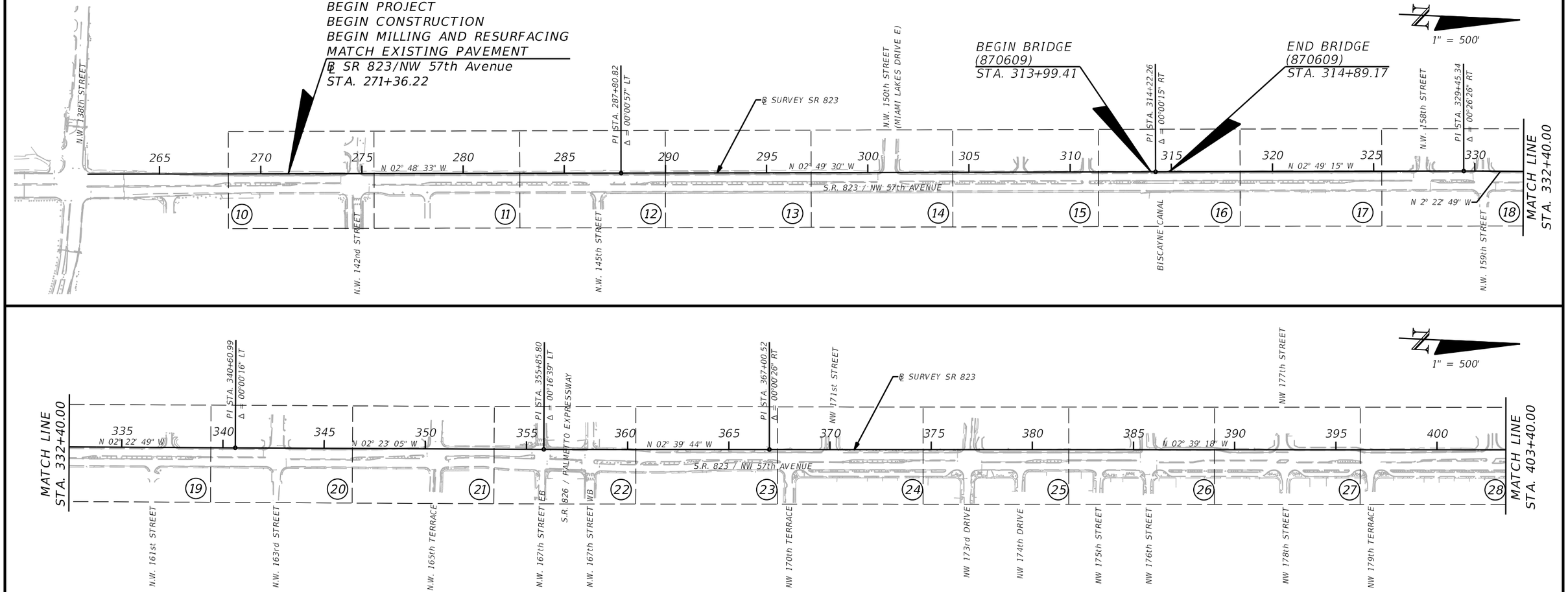
ENGINEER OF RECORD:
CLARA B. SIDAN PE No. 57596

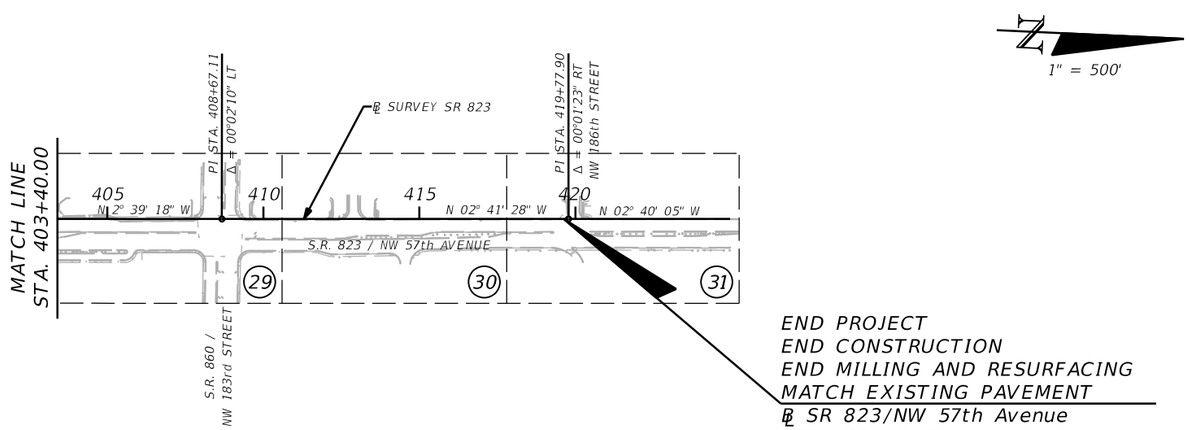
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

OPTIONAL MATERIALS TABULATION

SHEET NO. 18





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3750 NW 87" AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

PROJECT LAYOUT

SHEET NO. 19

LANDSCAPE NOTES

1) FOLLOW THESE NOTES IN ADDITION TO FDOT STANDARD SPECIFICATIONS AND DESIGN STANDARDS.

2) VERIFY SITE CONDITIONS BEFORE BIDDING. INSTALLATIONS MAY REQUIRE ADDITIONAL EQUIPMENT FOR SPECIFIC SITE CONDITIONS.
INSTALLATIONS MAY REQUIRE TEMPORARY REMOVAL AND RESTORATION OF EXISTING GUARDRAIL AND CHAIN LINK FENCE, IF REQUIRED TO GAIN ACCESS TO WORK AREAS.

3) BEFORE THE PRECONSTRUCTION MEETING, SUBMIT:
3-1) REGISTRATION WITH THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES DIVISION OF PLANT INDUSTRY;
3-2) LANDSCAPE CONTRACTOR CERTIFICATION, BY THE FLORIDA NURSERY, GROWERS, AND LANDSCAPE ASSOCIATION;
3-3) ARBORIST CERTIFICATION, BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE;
3-4) UNIT COST BREAKDOWN FOR EACH ITEM OF WORK;
3-5) WEED CONTROL PRODUCT INFORMATION AND APPLICATION PROCEDURES;
3-6) SOIL AMENDMENT PRODUCT INFORMATION AND APPLICATION PROCEDURES;
3-7) WATERING APPLICATION PROCEDURES;
3-8) FERTILIZER PRODUCT INFORMATION AND APPLICATION PROCEDURES;
3-9) GREEN INDUSTRIES BEST MANAGEMENT PRACTICES CERTIFICATION;

4) A CERTIFIED LANDSCAPE CONTRACTOR SHALL DIRECT LANDSCAPE OPERATIONS.

5) PLAN DEVIATIONS:
INSTALL LARGE PLANTS A MINIMUM OF 7 FEET FROM FIRE PROTECTION EQUIPMENT. INSTALL LARGE PLANT ROOTBALLS A MINIMUM OF 2 FEET FROM UNDERGROUND UTILITIES. INSTALL NO MATERIAL THAT WILL BLOCK OR CREATE CONFLICTS WITH:
5-1) SIGNS;
5-2) GATES;
5-3) LIGHTS;
5-4) BILLBOARDS;
5-5) ACCESS WAYS;
5-6) FIRE HYDRANTS;
5-7) UTILITY RIGHT TREE/RIGHT PLACE SETBACKS;
5-8) OVERHEAD AND UNDERGROUND STRUCTURES AND UTILITIES;
5-9) ANSI Z133 UTILITY CLEARANCE REQUIREMENTS;
5-10) FDOT MAINTENANCE RATING PROGRAM REQUIREMENTS;
NOTIFICATION IS REQUIRED WHEN THESE ISSUES ARE ENCOUNTERED. FIELD ADJUSTMENTS REQUIRE APPROVAL.

6) TREE PROTECTION:
BARRICADE AND PROTECT EXISTING PLANTS ADJACENT TO INSTALLATION ACTIVITIES. SUBMIT A SHOP DRAWING OF THE PROTECTION METHOD TO THE DISTRICT LANDSCAPE ARCHITECT FOR REVIEW BEFORE THE PRECONSTRUCTION MEETING, REPLACE PLANTS DAMAGED OR DESTROYED BY CONSTRUCTION WITH THE SAME SPECIES, SIZE, AND QUALITY, OR BETTER.

7) SOIL AMENDMENT:
BACKFILL PLANTING HOLES WITH A 50/50 MIX OF 100 PERCENT DECOMPOSED COMPOST AND EXISTING SOIL. MIX INTO PLANTING HOLES DURING INSTALLATION. REMOVE ROCKS OVER 1 INCH. WHERE SOIL EXCAVATION IS SPECIFIED, BACKFILL WITH CLEAN SAND.

8) INSTALL NEW TURF AND RESTORATION TURF A MINIMUM OF 30 DAYS BEFORE FINAL ACCEPTANCE. MOW ONCE BEFORE FINAL ACCEPTANCE.

9) PLANT ESTABLISHMENT AND MAINTENANCE THROUGHOUT CONSTRUCTION AND THE PLANT ESTABLISHMENT PERIOD:

9-1) WEED CONTROL:
ERADICATE FLORIDA EXOTIC PEST PLANT COUNCIL CATEGORY ONE INVASIVE PLANT SPECIES AND THEIR SEEDS, AND VINES, BOTH NATIVE AND NON-NATIVE. THIS INCLUDES FROM WALLS AND WITHIN FENCES. APPLY BOTH PRE AND POST-EMERGENT HERBICIDE WITH INDICATOR DYE AND REAPPLY WHEN REGROWTH APPEARS.
9-2) WATERING:
MAINTAIN THE SOIL MOISTURE AT FIELD CAPACITY. FIELD CAPACITY WILL BE DETERMINED FROM A 4 INCH DEEP EXCAVATION WHERE THE SOIL MUST HOLD TOGETHER AND FORM A HAND CLUMP.
9-3) FERTILIZATION:
APPLY AN 8-2-12+4 MG FERTILIZER, PLUS WATER SOLUBLE MICRONUTRIENTS. 100 PERCENT OF THE (N) NITROGEN, (K) POTASSIUM, (MG) MAGNESIUM AND (B) BORON MUST BE IN CONTROLLED RELEASE FORM. APPLY AT A RATE OF 1.5 POUNDS OF ACTUAL FERTILIZER (NOT N) PER 100 SQUARE FEET FROM A CALIBRATED SPREADER. BEGIN FERTILIZATION DURING INSTALLATION AND REPEAT EVERY 3 MONTHS.
9-4) MAINTAIN A 3 INCH MULCH COVER.
9-5) PRUNING:
A CERTIFIED ARBORIST SHALL DIRECT PRUNING OPERATIONS.
FOLLOW ANSI A300 PART 1 PRUNING STANDARDS AND THESE PLANS. PRUNING IS REQUIRED DURING INSTALLATION AND THROUGHOUT THE PLANT ESTABLISHMENT PERIOD TO:
9-5.1) REMOVE CROSSING, DEFLECTING, AND CIRCLING ROOTS;
9-5.2) REMOVE CROSSING, DEAD, DAMAGED AND CODOMINANT BRANCHES;
9-5.3) MAINTAIN FLORIDA NUMBER 1 BRANCH STRUCTURE;
9-5.4) MAINTAIN FDOT MAINTENANCE RATING PROGRAM REQUIREMENTS AND MAST ARM CLEARANCES;
9-5.5) MAINTAIN INDEX 546 HORIZONTAL AND VERTICAL CLEARANCES WITHIN THE LIMITS OF CLEAR SIGHT;
9-5.6) MAINTAIN VISIBILITY OF SIGNS;
9-5.7) MAINTAIN SHRUBS PER PLANS;

RELOCATION NOTES

1) FOLLOW THESE NOTES FOR RELOCATED MATERIALS IN ADDITION TO FDOT STANDARD SPECIFICATIONS AND DESIGN STANDARDS.

2) ATTACH TREE IDENTIFICATION TAGS THAT MATCH THE PLAN NUMBERS. SUBMIT A SHOP DRAWING OF THE TAGGING METHOD TO THE DISTRICT LANDSCAPE ARCHITECT FOR REVIEW BEFORE THE PRECONSTRUCTION MEETING.

3) INSTALL TREES WITHIN 24 HOURS OF REMOVAL FROM THEIR ORIGINAL LOCATION TO LOCATIONS PROVIDED BY THE DISTRICT LANDSCAPE ARCHITECT WITHIN 15 MILES OF THEIR ORIGINAL LOCATION.

4) WATER THE ROOT ZONES TO FIELD CAPACITY FOR 5 CONTINUOUS DAYS BEFORE ROOT PRUNING.

5) ROOT PRUNE 8 WEEKS BEFORE RELOCATION.

6) ROOT PRUNE WITH EQUIPMENT TO SEVER ROOTS. ENSURE ROOTS ARE NOT TORN OR PULLED APART. SUBMIT ROOT PRUNING PROCEDURES BEFORE THE PRECONSTRUCTION MEETING.

7) FORM A ROOTBALL SIZE IN COMPLIANCE WITH FLORIDA GRADES AND STANDARDS FLORIDA NUMBER ONE OR BETTER.

8) FILL TRENCH AFTER TREE REMOVAL WITH SUITABLE MATERIAL (EMBANKMENT UNDER PAVEMENT / SIDEWALK OR FINISHED SOIL LAYER UNDER LANDSCAPED AREAS).

9) MAINTAIN THE SOIL MOISTURE AT FIELD CAPACITY THROUGHOUT THE 8 WEEKS.

10) BRACE ROOT PRUNED TREES AWAITING RELOCATION.

11) MAINTAIN TREES IN A HEALTHY AND VIGOROUS CONDITION DURING INSTALLATION AND THROUGHOUT THE PLANT ESTABLISHMENT PERIOD. REPLACE TREES THAT DO NOT MEET THIS REQUIREMENT WITH THE SAME SPECIES, SIZE, AND QUALITY, OR BETTER.

PAY ITEM NOTES:

425-5 425-5-1	ONLY ONE PAYMENT SHALL BE MADE PER FACILITY TO BE ADJUSTED. PRICE AND PAYMENT FOR EACH UNIT INCLUDES COST OF ALL ADJUSTMENTS REGARDLESS OF THE NUMBER OF ADJUSTMENTS REQUIRED FOR THE PROPER CONSTRUCTION OF THE PROJECT.
425-6	VALVE BOXES AND MANHOLES SHALL BE ADJUSTED WHENEVER THEY ARE ¼" OR MORE ABOVE OR BELOW THE PAVEMENT FINAL GRADE ELEVATION. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING MEASUREMENTS ON ALL MANHOLES/VALVE BOXES WITHIN PAVING LIMITS. COST OF THE MEASURING IS INCLUDED IN THE MANHOLE/VALVE BOX ADJUSTMENT PAY ITEMS. ADJUSTMENT OF MANHOLE AND VALVE BOXES SHALL BE DONE PER MDWSD STANDARDS. THE MEASUREMENTS SHALL BE MADE PRIOR TO PLACING FRICTION COURSE BETWEEN THE STRUCTURAL COURSE AND THE TOP OF THE MANHOLE/VALVE BOX. THE TABLE SUMMARIZES THE MANHOLES/VALVE BOXES OWNED BY THE UTILITY AGENCY/OWNER THAT HAVE BEEN IDENTIFIED WITHIN THE PROJECT; HOWEVER, THE ACTUAL NUMBER TO BE ADJUSTED WILL BE AS APPROVED BY THE ENGINEER.
443-70-4	INCLUDES COST OF SHEETING AND SHORING NEEDED TO PROTECT EXISTING UTILITIES AND SURROUNDING AREAS.
520-1-10	INCLUDES COST OF MONOLITHIC CURB AND GUTTER AND SIDEWALK.
522-1	THIS IS NOT A PLAN QUANTITY ITEM. QUANTITY TO BE INCREASED, DECREASED AND OMITTED BY THE ENGINEER. QUANTITY INCLUDES 126 SY TO REACH THE NEAREST FLAG JOINT.
536-73	INCLUDES COST TO FILL GUARDRAIL POST HOLES AFTER REMOVAL OF EXISTING AND RESTORING AREA TO ITS ORIGINAL CONDITION.
544-00-43	INCLUDES COST OF REMOVING EXTISTING ATTENUATOR
710-	THE TOTALS SHOWN ON THE SUMMARY OF ROADWAY PAY ITEMS ARE FOR PAINTED PAVEMENT MARKINGS USED FOR MAINTENANCE OF TRAFFIC.
110-1-1	INCLUDES COST OF TREE RELOCATIONS AS INDICATED IN THE ROADWAY PLAN SHEETS.
460-70-1	INCLUDES COST OF REMOVAL OF SEGMENTS OF EXISTING PEDESTRIAN RAILING TO PROVIDE TAPER END TRANSITION PER STD. INDEX 822, SHEET NO. 3 OF 3

LEGEND:

WIDENING
PROP. CONCRETE SIDEWALK
HARMONIZATION
PROP. MISC. ASPHALT
PROP. SOD

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JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

PROJECT NOTES

SHEET NO. 20

GENERAL:

1. REFER TO THE "NETWORK CONTROL SHEET" FOR HORIZONTAL AND VERTICAL DATUM'S USED ON THIS PROJECT.
2. IF ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, IMMEDIATELY NOTIFY THE ENGINEER IN CONJUNCTION WITH THE DISTRICT LOCATION ENGINEER.
3. THE CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK. CLEANING AND SWEEPING IS TO BE INCLUDED IN ITEM 102-1 MAINTENANCE OF TRAFFIC.
4. SAW CUTTING OF THE EXISTING SIDEWALKS SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
5. THE CONTRACTOR SHALL PERFORM AN INVENTORY OF ALL EXISTING STREET LIGHTING, TRAFFIC SIGNAL AND OTHER ELECTRIC AND COMMUNICATION INSTALLATIONS (POLES, PULL BOXES, CONTROLLER CABINET, SERVICE POINTS, ETC.) WITHIN THE AFFECTED LIMITS. AFFECTED LIMITS INCLUDE ALL AREAS WHERE CLEARING AND GRUBBING, EXCAVATION, REMOVAL OF SIDEWALK, OR ANY SPECIFIED ELECTRICAL WORKS ARE BEING PERFORMED. THE CONTRACTOR SHALL SUBMIT A REPORT OF THE CONDITION OF EACH INSTALLATION AND ITS CONTENT TO THE ENGINEER PRIOR TO THE BEGINNING OF CONSTRUCTION, INCLUDING PHOTOGRAPHS OF ANY IDENTIFIED DEFICIENCIES.
6. INSTALLATIONS OF NEW PULL BOXES SHALL BE PERFORMED BY QUALIFY ELECTRICAL CONTRACTOR. WHEN NEW PULL BOX IS REPLACING EXISTING PULL BOX, THE CONTRACTOR SHALL ADJUST CONDUITS AND CABLES TO FIT THE NEW PULL BOX ELEVATION. COST OF ADJUSTMENTS IS INCLUDED IN THE PULL BOX PAY ITEM.
7. THE CONTRACTOR SHALL REPAIR ALL DAMAGED PULL BOXES AND THEIR CONTENT IN ACCORDANCE WITH THE LATEST FDOT, MAINTAINING AGENCY AND NATIONAL ELECTRICAL CODE REQUIREMENTS. ALL DAMAGED CABLES ANDCONDUCTORS SHALL BE REPLACED, NO SPLICES ARE ALLOWED.

DRAINAGE NOTES:

1. ELEVATIONS AND OFFSETS FOR CURB INLETS ARE AT THE EDGE OF PAVEMENT.
2. EXISTING DRAINAGE STRUCTURES ARE TO REMAIN.

ENVIRONMENTAL NOTES:

1. THE CONTRACTOR SHALL NOT STAGE OR OPERATE EQUIPMENT WITHIN THE DRIPLINE OF TREES.
2. INSTALL TURBIDITY BARRIER AS SHOWN ON ROADWAY PLAN TO CONTAIN POLLUTION IN THE RED ROAD CANAL DURING CONSTRUCTION OF NEW 24" OUTFALL, LOCATED AT STA. 412+15.12 (NORTHING/ EASTING: 584603.59/ 888146.89).
3. THIS PROJECT CROSSES BISCAYNE CANAL AND IS ADJACENT TO THE RED ROAD CANAL, TURBIDITY LEVELS BEYOND THE CONTROL MECHANISMS ARE NOT ALLOWED TO EXCEED 29 NEPHELOMETRIC TURBIDITY UNITS (NTUS) ABOVE NATURAL BACKGROUND LEVELS. THE DISCHARGE OF ANY FOREIGN MATERIAL INTO THE WATER SHALL NOT BE PERMITTED.
4. THE CONTRACTOR SHALL REVIEW ENVIRONMENTAL REQUIREMENTS OF ANY PROPOSED STAGING AREAS WITH THE DISTRICT ENVIRONMENTAL PERMITS COORDINATOR AT (305) 470-5281 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO USE. NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT WILL BE ALLOWED WITHIN THE MIAMI LAKES PICNIC PARK EAST.
5. ANY MATERIAL TO BE STOCKPILED FOR PERIODS GREATER THAN 24 HOURS SHALL BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES. COST TO BE INCLUDED IN THE RELATED BID ITEM.
6. THE CONTRACTOR SHALL NOT IMPACT WETLANDS ADJACENT TO THE PROJECT CORRIDOR. TWO WEEKS PRIOR TO MOBILIZATION, THE CONTRACTOR SHALL MEET WITH THE PROJECT ENGINEER AND THE DISTRICT ENVIRONMENTAL PERMITS COORDINATOR TO FIELD-VERIFY THE EXTENT AND BOUNDARY OF WETLAND VEGETATION ON SITE.
7. THE FOLLOWING FEDERAL AND STATE LISTED ANIMAL SPECIES COULD INHABIT OR MIGRATE THROUGH THE CONSTRUCTION AREA: WEST INDIAN MANATEE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A DESIGNATED, TRAINED MANATEE OBSERVER DURING ALL WATER-RELATED ACTIVITIES. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL AND STATE REQUIREMENTS REGARDING ENDANGERED AND THREATENED SPECIES AND STATE LISTED SPECIES OF SPECIAL CONCERN. SHOULD THESE SPECIES BE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE ISD-ENVIRONMENT AT (305) 470-5144 WITHIN 24 HOURS OF EACH ENCOUNTER. THE COST FOR ALL ITEMS REQUIRED FOR MONITORING AND PROTECTION OF FEDERAL AND STATE LISTED ENDANGERED SPECIES SHALL BE INCLUDED UNDER 101-1 MOBILIZATION.

UTILITIES:

1. FOR UTILITY ADJUSTMENT SYMBOLS, SEE DESIGN STANDARD NO.002.
2. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
3. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THESE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERE APPROXIMATE ONLY. THE VERIFIED LOCATIONS ELEVATIONS APPLY ONLY AT THE POINTS SHOWN INTERPOLATION BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
4. TWO FULL BUSINESS DAYS PRIOR TO DIGGING NOTIFY THE ENGINEER AND CALL FDOT MAINTENANCE DEPARTMENT, TELEPHONE NUMBER (305)640-7160 AND REQUEST LIGHTING CONDUITS LOCATIONS.
5. PRE-TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES STRUCTURES, FRENCH DRAINS, SLAB COVERED TRENCHES, CONDUITS, POLE FOUNDATIONS AND/OR SUB-GRADE SHALL BE PERFORMED SEVEN DAYS IN ADVANCE OF ITS CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS AND THE DEPARTMENT WITH A SEVEN DAYS ADVANCE NOTICE OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS. PAYMENT FOR PRE-TRENCHING, SURVEY AND BACKFILLING SHALL BE INCLUDED IN THE COST OF THE RELATED BID ITEM FOR THE WORK BEING DONE.
6. UTILITY OWNERS:

COMCAST CABLE	LEONARD MAXWELL-NEWBOLD	(954) 447-8405
FLORIDA CITY GAS	ROLAND RUIZ	(786) 972-4171
MIAMI DADE COUNTY PUBLIC WORKS	GIULIO MIGLIO	(305) 375-2854
FIBERLIGHT, LLC	TROY GAETA	(954) 422-5618
FLORIDA GAS TRANSMISSION COMPANY	JOSEPH E. SANCHEZ	(407) 838-7171
FPL FIBERNET, LLC	DANNY HASKETT	(305) 552-2931
FPL DISTRIBUTION	ANGEL VARGAS	(305) 442-5129
FPL TRANSMISSION	GEORGE PECK, P.E.	(561) 904-3604
LEVEL 3 COMMUNICATIONS, LLC	DAVID J. MORRIS	(954) 217-6754
MIAMI DADE WATER & SEWER DEPT	PATRICK CHONG	(786) 268-5255
TOWN OF MIAMI LAKES	GREG NETTO	(305) 512-7129
AT&T/DISTRIBUTION	STEVE MASSIE	(305) 222-8745

UTILITIES TEST HOLE INFORMATION

TEST HOLE NO.	VVH HOLE NO.	DATE TAKEN	STATION	OFFSET	EXISTING GROUND ELEVATION	EXISTING TOP ELEVATION	DESCRIPTION	MATERIALS	UTILITY DIRECTION	UTILITY OWNER
1	1	10/15/2015	409+91.26	105.44 RT	7.32	3.99	12" WATER	DUCTILE IRON	N	MIAMI DADE WATER & SEWER
2	2	10/15/2015	410+08.56	105.61 RT	7.20	4.30	12" WATER	DUCTILE IRON	N	MIAMI DADE WATER & SEWER
3	3	10/15/2015	410+80.76	97.89 RT	6.46	3.32	6" ELECTRIC	PVC (GRAY)	N	FLORIDA POWER & LIGHT
4	4	10/15/2015	411+07.39	28.64 RT	7.47	1.27	UNABLE TO OBTAIN SIZE DUE TO SOIL CONDITION ENCOUNTERED IN TEST HOLE. PIPE IS 48" CONCRETE PER MIAMI DADE WATER & SEWER LOCATOR TONY GUY. PK SET OVER TOP OF UTILITY.	CONCRETE	N	MIAMI DADE WATER & SEWER
5	5	10/15/2015	409+91.14	95.80 RT	6.89	5.28	12" WATER	DUCTILE IRON	E	MIAMI DADE WATER & SEWER
6	6	10/15/2015	412+45.65	73.05 RT	7.49	3.43	12" WATER	DUCTILE IRON	N	MIAMI DADE WATER & SEWER
7	7	10/15/2015	412+92.88	34.63 RT	8.38	2.06	UNABLE TO OBTAIN SIZE DUE TO SOIL CONDITION ENCOUNTERED IN TEST HOLE. PIPE IS 48" CONCRETE PER MIAMI DADE WATER & SEWER LOCATOR TONY GUY. PK SET OVER TOP OF UTILITY.	DUCTILE IRON	N	MIAMI DADE WATER & SEWER
8	8	10/15/2015	410+07.91	94.34 RT	6.85	4.12	6" ELECTRIC	PLASTIC	N	FLORIDA POWER & LIGHT
9	9	10/15/2015	414+63.79	98.72 RT	7.71	3.44	UNABLE TO OBTAIN MATERIAL DUE TO POOR CONDITION OF UTILITY.		E	MIAMI DADE WATER & SEWER
9A	9A	10/15/2015	414+93.32	93.87 RT	7.65	5.45	2" GAS	PLASTIC	E	FLORIDA CITY GAS
10	10	10/15/2015	415+27.63	89.00 RT	7.80	3.15	4" GAS	PLASTIC	N	FLORIDA CITY GAS
11	11	10/15/2015	415+72.66	89.27 RT	7.63	2.83	4" GAS	PLASTIC	N	FLORIDA CITY GAS
12	12	10/15/2015	416+89.36	34.34 RT	8.08	3.58	UNABLE TO OBTAIN SIZE DUE TO SOIL CONDITION ENCOUNTERED IN TEST HOLE. PIPE IS 48" CONCRETE PER MIAMI DADE WATER & SEWER LOCATOR TONY GUY. PK SET OVER TOP OF UTILITY.	CONCRETE	N	MIAMI DADE WATER & SEWER
13	13	10/15/2015	416+90.63	86.93 RT	7.37	1.07	4" GAS	PLASTIC	N	FLORIDA CITY GAS
14	14	10/15/2015	417+71.36	86.47 RT	7.63	2.30	4" GAS	PLASTIC	N	FLORIDA CITY GAS
15	15	10/15/2015	417+94.79	85.94 RT	7.80	2.90	4" GAS	PLASTIC	N	FLORIDA CITY GAS
16	16	10/15/2015	419+05.81	85.28 RT	8.07	3.39	4" GAS	PLASTIC	N	FLORIDA CITY GAS

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

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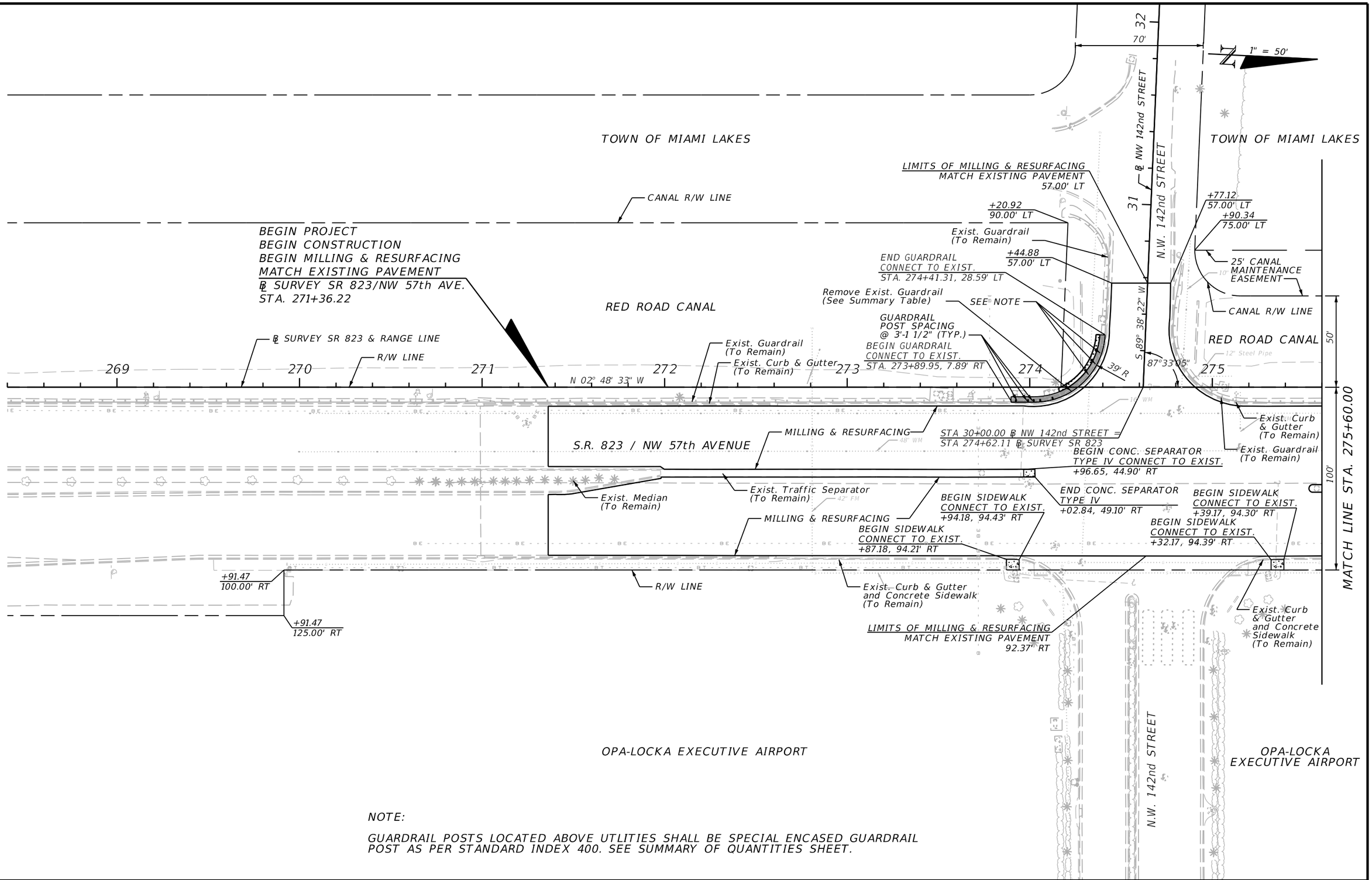
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

PROJECT NOTES

SHEET NO. 21



NOTE:

GUARDRAIL POSTS LOCATED ABOVE UTLITIES SHALL BE SPECIAL ENCASED GUARDRAIL POST AS PER STANDARD INDEX 400. SEE SUMMARY OF QUANTITIES SHEET.

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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ROADWAY PLAN

SHEET NO. 22

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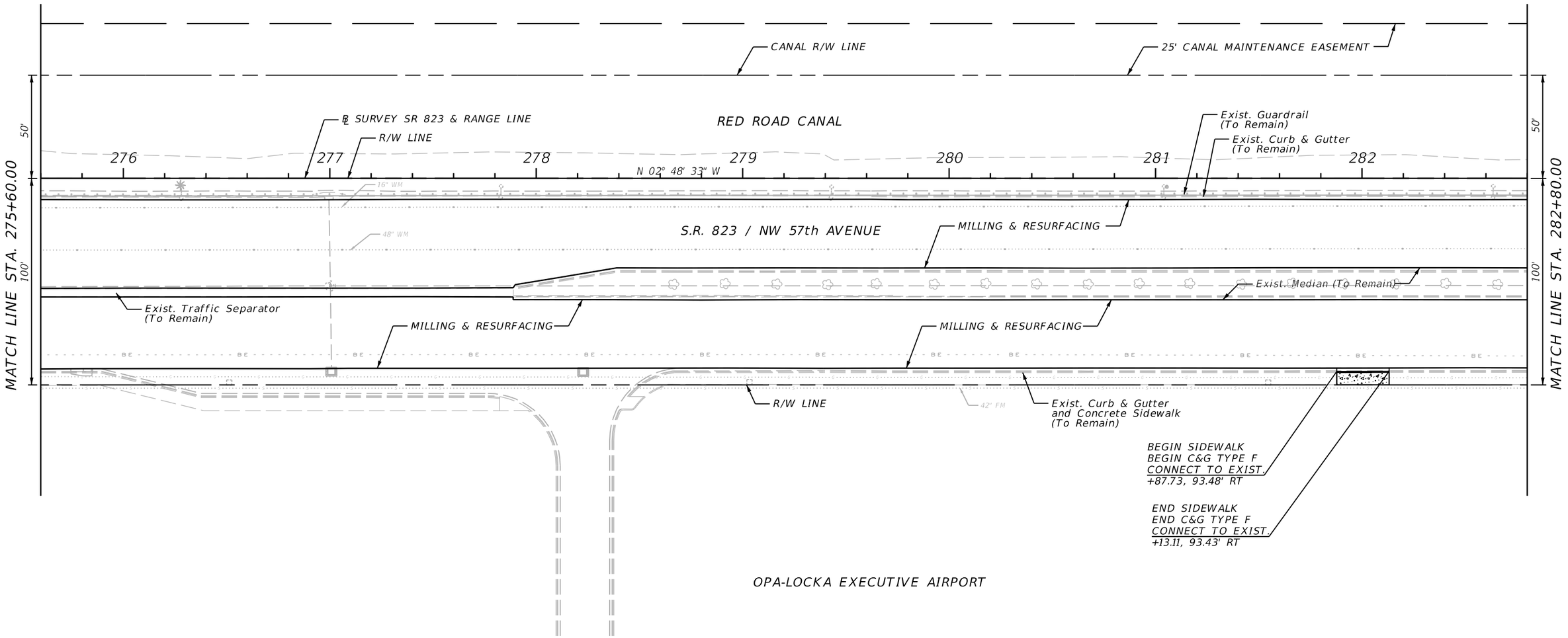
1" = 50'

TOWN OF MIAMI LAKES



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87° AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

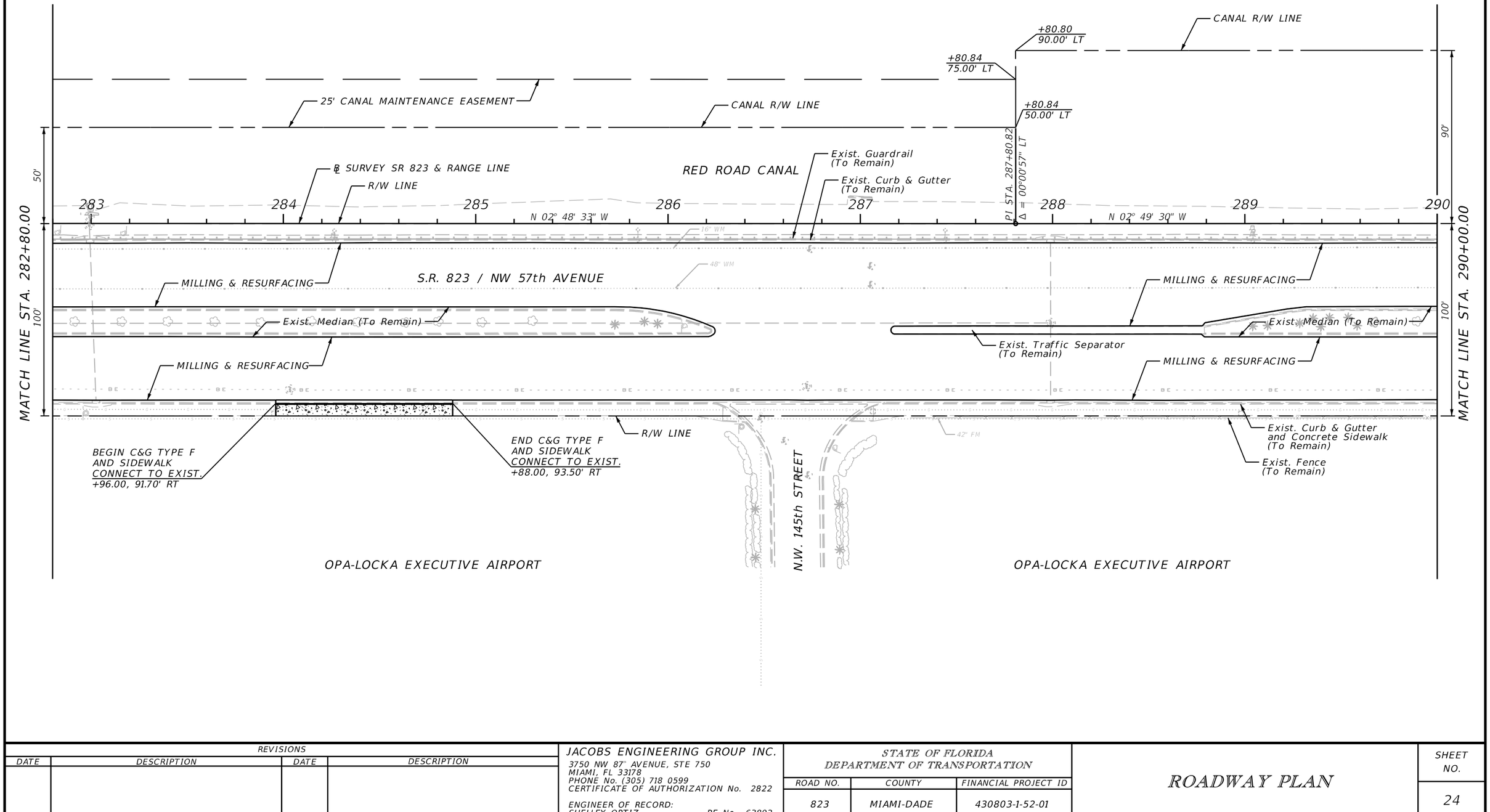
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 23

1" = 50'

TOWN OF MIAMI LAKES



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3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 24

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1" = 50'

TOWN OF MIAMI LAKES

CANAL R/W LINE

90'

℄ SURVEY SR 823 & RANGE LINE

R/W LINE

RED ROAD CANAL

Exist. Guardrail
(To Remain)

Exist. Curb & Gutter
(To Remain)

290 291 292 293 294 295 296 297

N 02° 49' 30" W

16" WM

48" WM

S.R. 823 / NW 57th AVENUE

MILLING & RESURFACING

Exist. Median (To Remain)

MILLING & RESURFACING

MATCH LINE STA. 290+00.00

MATCH LINE STA. 297+20.00

100'

BE

R/W LINE

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

Exist. Fence
(To Remain)

42" FM

OPA-LOCKA EXECUTIVE AIRPORT

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3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 25

1" = 50'

TOWN OF MIAMI LADES

TOWN OF MIAMI LAKES

RED ROAD CANAL

RED ROAD CANAL

CANAL R/W LINE

CANAL R/W LINE

℄ NW 150th STREET

S 89° 46' 49" W

N.W. 150th STREET (MIAMI LAKES DRIVE E)

80'

32

31

END C&G TYPE F
END CONC.SIDEWALK
CONNECT TO EXIST.
+80.25, 67.38' LT

END C&G TYPE F
CONNECT TO EXIST.
+79.68, 43.70' LT

END GUARDRAIL
END MISC. ASPHALT
CONNECT TO EXIST.
GUARDRAIL
+73.07, 36.95' RT

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
60.00' LT

+35.93
60.00' LT

BEGIN C&G TYPE F
BEGIN CONC. SIDEWALK
CONNECT TO EXIST.
+35.99, 26.65' LT

+81.93
60.00' LT

STEEL GUARDRAIL
POST SPACING
@ 1' - 6 3/4"

BEGIN GUARDRAIL
BEGIN MISC. ASPHALT
CONNECT TO EXIST.
GUARDRAIL
+35.79, 8.08' RT

℄ SURVEY SR 823 & RANGE LINE

R/W LINE

Exist. Guardrail
(To Remain)

298

299

300

301

302

303

304

N 02° 49' 30" W

R 16'

87°23'41"

R 32'

PULL BOX TO
BE REPLACED (1)

CR-D

CR-C

R 8'

R 34'

+42.23

Exist. Guardrail
(To Remain)

Exist. Curb & Gutter
(To Remain)

Remove Exist. Guardrail
(See Summary Table)

BEGIN C&G TYPE F
CONNECT TO EXIST.
+46.57, 8.36' LT

MILLING & RESURFACING

SEE DETAIL A

PULL BOXES TO
BE RELOCATED (3)

END C&G TYPE F
CONNECT TO EXIST.
+63.99, 8.51' RT

BEGIN WIDENING
BEGIN C&G TYPE F
+66.02, 43.26' RT

MILLING & RESURFACING

S.R. 823 / NW 57th AVENUE

2'

R 3'

Exist. Median
(To Remain)

Exist. Median (To Remain)

+65.17
49.14' RT

+19.58
56.69' RT

R 200'

EXIST. TREES
TO BE RELOCATED

MILLING & RESURFACING

STA 30+00.00 ℄ NW 150th STREET =
STA 301+01.12 ℄ SURVEY SR 823

BEGIN C&G TYPE F
BEGIN CONC. SIDEWALK
CONNECT TO EXIST.
+55.06, 93.27' LT

MILLING & RESURFACING

CR-C

+69.64

EXIST. TUBULAR DELINEATOR
(TO BE REMOVED) (TYP.)

+07.13
56.69' RT

EXIST. TREES
TO BE RELOCATED

R/W LINE

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

Exist. Fence
(To Remain)

END C&G TYPE F
END CONC. SIDEWALK
CONNECT TO EXIST.
+77.64, 93.32' LT

90'

100'

MATCH LINE STA. 297+20.00

MATCH LINE STA. 304+20.00

OPA-LOCKA EXECUTIVE AIRPORT

BEGIN CURB TYPE D
CONNECT TO EXIST.
+34.06, 44.88' RT

END WIDENING
END CURB TYPE D
+45.10, 44.79' RT

4" CONC. SWK.

2'

2'

R 1'

4'
(TYP.)

2'

+45.10
46.88' RT

+50.07
46.88' RT

BEGIN WIDENING
BEGIN CURB TYPE D
CONNECT TO EXIST.
+34.07, 48.81' RT

DETAIL A

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JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 26

1" = 50'

TOWN OF MIAMI LAKES

CANAL R/W LINE

RED ROAD CANAL

℄ SURVEY SR 823 & RANGE LINE

R/W LINE

Exist. Guardrail (To Remain)

Exist. Curb & Gutter (To Remain)

ACCESS ROAD TO COMMERCIAL PLAZA

RED ROAD CANAL

END GUARDRAIL CONNECT TO EXIST. +66.15, 56.25 RT

BEGIN GUARDRAIL CONNECT TO EXIST. CONCRETE BARRIER WALL (DESIGN STD 400 DETAIL J AND 410) +48.14, 6.76 RT

Exist. Conc. Barrier Wall (To Remain)

Remove Exist. Guardrail (See Summary Table)

"GATE 8" OF OPA LOCKA EXECUTIVE AIRPORT

90'

305 306 307 308 309 310 311

N 02° 49' 30" W

16" WM

48" WM

42" FM

+48.14

R 60'

R 12'

+58.48

+11.94

MATCH LINE STA. 304+20.00

100'

S.R. 823 / NW 57th AVENUE

END WIDENING END C&G TYPE F CONNECT TO EXIST. +32.16, 58.87' RT

MILLING & RESURFACING

Exist. Median (To Remain)

MILLING & RESURFACING

EXIST. TREES TO BE RELOCATED

2

R/W LINE

Exist. Curb & Gutter and Concrete Sidewalk (To Remain)

Exist. Fence (To Remain)

BEGIN C&G TYPE F AND SIDEWALK CONNECT TO EXIST. +45.00, 93.45' RT

END C&G TYPE F AND SIDEWALK CONNECT TO EXIST. +28.00, 93.45' RT

MATCH LINE STA. 311+40.00

OPA-LOCKA EXECUTIVE AIRPORT

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PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 27

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1" = 50'

TOWN OF MIAMI LAKES

SECTION 24, T-52-S, R-40-E

SECTION 13, T-52-S, R-40-E

SECTION LINE

CANAL R/W LINE

+72.35
90.00' LT

+97.02
80.00' LT

125'

BISCAYNE CANAL

25' CANAL MAINTENANCE EASEMENT

RED ROAD CANAL

BEGIN BRIDGE (870609)
STA. 313+99.96

END BRIDGE (870609)
STA. 314+90.047

BEGIN EXIST. APP. SLAB
STA. 313+80.00

END EXIST. APP. SLAB
STA. 315+10.00

℄ SURVEY SR 823 & RANGE LINE

R/W LINE

Exist. Conc.
Barrier Wall
(To Remain)

312 313 314 315 316 317 318

N 02° 49' 30" W

N 02° 49' 15" W

314+22.26

PI STA. 314+22.26
Δ = 00°00'15" RT

1" MILLING & RESURFACING

S.R. 823 / NW 57th AVENUE

MILLING & RESURFACING

Exist. Median (To Remain)

BEGIN GUARDRAIL W/ PIPE RAIL
W/ END ANCHORAGE
ASSEMBLY - TYPE PARALLEL
SEE NOTE ON THIS SHEET
+91.64, 94.19' RT

4' MIN.

12"x12" MISC. ASPHALT
OPENING (TYP.)

INSTALL BRIDGE ALUMINUM
PEDESTRIAN BULLET RAILING
TAPERED END TRANSITION
(PER STD. INDEX 822)

MILLING & RESURFACING

Exist. Fence
(To Remain)

R/W LINE

Exist. Guardrail
(To Remain)

SEE EXPANSION JOINT DETAIL
STA. 314+90.04

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

END GUARDRAIL W/ PIPE RAIL
W/ END ANCHORAGE TYPE II
W/ ROUNDED END SECTION
(INDEX 400)
+91.65, 93.67'RT

SEE EXPANSION JOINT DETAIL
STA. 314+60.00

SEE EXPANSION JOINT DETAIL
STA. 314+30.00

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

Exist. Fence
(To Remain)

Exist. "Gate 9"
Access Driveway
for Opa Locka
Executive Airport
(To Remain)

OPA-LOCKA EXECUTIVE AIRPORT

SEE EXPANSION JOINT DETAIL
STA. 313+99.94

SECTION 19, T-52-S, R-41-E

SECTION 18, T-52-S, R-41-E

BISCAYNE CANAL

CITY OF MIAMI GARDENS

MATCH LINE STA. 311+40.00

MATCH LINE STA. 318+40.00

90' 100' 25' 55' 100'

NOTE: FOR THE INSTALLATION OF THE GUARDRAIL SYSTEM & ATTENUATOR CONTRACTOR SHALL SAWCUT 12"x12" OPENINGS ON THE SIDEWALK TO INSTALL GUARDRAIL POSTS. HOLES TO BE FILLED W/ MISC. ASPH. PAVT. COST OF SAWCUTTING & FILLING TO BE INCLUDED IN THE COST GUARD RAIL (PAY ITEM 536-1-1).

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PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 28

1" = 50'

TOWN OF MIAMI LAKES

25' CANAL MAINTENANCE EASEMENT

CANAL R/W LINE

RED ROAD CANAL

25'

55'

℄ SURVEY SR 823 & RANGE LINE

R/W LINE

Exist. Conc. Barrier Wall (To Remain)

319 320 321 322 323 324 325

N 02° 49' 15" W

16" WM

48" WM

S.R. 823 / NW 57th AVENUE

MILLING & RESURFACING

Exist. Traffic Separator (To Remain)

Exist. Median (To Remain)

100'

MATCH LINE STA. 318+40.00

MATCH LINE STA. 325+40.00

PULL BOX TO BE REPLACED (1)

MILLING & RESURFACING

30" FM

R/W LINE

Exist. Curb & Gutter and Concrete Sidewalk (To Remain)

BEGIN C&G TYPE F AND SIDEWALK CONNECT TO EXIST. +74.00, 93.50' RT

END C&G TYPE F AND SIDEWALK CONNECT TO EXIST. +46.00, 93.50' RT

Exist. Private Access Driveway (To Remain)

END C&G TYPE F AND SIDEWALK CONNECT TO EXIST. +18.00, 93.50' RT

BEGIN C&G TYPE F AND SIDEWALK CONNECT TO EXIST. +59.00, 91.80' RT

Exist. Private Access Driveways (To Remain)

CITY OF MIAMI GARDENS

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PHONE No. (305) 718 0599
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SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 29

TOWN OF MIAMI LIMITS

TOWN OF MIAMI LIMITS

1" = 50'

N.W. 158th STREET

℄ NW 158th STREET
S 89° 40' 05" W

70'

R/W LINE

R/W LINE

END CONC. SIDEWALK
CONNECT TO EXIST.
+10.86, 72.41' LT

BEGIN CONC. SIDEWALK
CONNECT TO EXIST.
+10.35, 54.92' LT

Remove Exist. Guardrail
(See Summary Table)

END GUARDRAIL
W/ END ANCHORAGE
ASSEMBLY - TYPE CRT
+91.60, 51.62' LT

END CONC. SIDEWALK
CONNECT TO EXIST.
+14.15, 36.33' LT

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
55.00' LT

END GUARDRAIL
W/ END ANCHORAGE
ASSEMBLY - TYPE CRT
+08.22, 62.39' LT

N.W. 159th STREET

PLAT: NW 159 STREET S 90° 13' 88" W

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
55.00' LT

BEGIN GUARDRAIL
W/ END ANCHORAGE
ASSEMBLY - TYPE CRT
+71.05, 62.22' LT

25'

55'

25' CANAL
MAINTENANCE
EASEMENT

+21.05
25.37' LT

CANAL R/W LINE

Remove Exist. Guardrail
(See Summary Table)

Remove Exist. Guardrail
(See Summary Table)

25' CANAL
MAINTENANCE
EASEMENT

W A Y

CANAL R/W LINE

RED ROAD CANAL

END C&G TYPE F
W/ FLARED END
+23.82, 25.30' LT

STA 30+00.00 ℄ NW 159th STREET =
STA 330+38.73 ℄ SURVEY SR 823

RED ROAD CANAL

SEE NOTE

℄ SURVEY SR 823 & RANGE LINE

Exist. Guardrail
(To Remain)

C A N A L

RED ROAD CANAL

W A Y

R/W LINE

Exist. Conc.
Barrier Wall
(To Remain)

Exist. Conc.
Barrier Wall
(To Remain)

Exist. Conc.
Barrier Wall
(To Remain)

N 02° 49' 15" W

N 02° 22' 49" W

326

327

328

329

329+45.34

330

331

332

PI STA. 329+45.34
Δ = 00° 26' 26" RT

87°30'40"

R 33'

R 16'

R 24'

90°35'55"

R 24'

CR-D

+93.21

STA 30+00.00 ℄ NW 158th STREET =
STA 327+42.20 ℄ SURVEY SR 823

BEGIN GUARDRAIL
CONNECT TO EXIST.
CONCRETE BARRIER WALL
(DESIGN STD 400 DETAIL J
AND 410)
+71.16, 6.97' RT

END GUARDRAIL
CONNECT TO EXIST.
CONCRETE BARRIER WALL
+05.96, 6.91' RT

BEGIN GUARDRAIL
CONNECT TO EXIST.
CONCRETE BARRIER WALL
(DESIGN STD 400 DETAIL J
AND 410)
BEGIN C&G TYPE F
+87.32, 7.15' RT

MILLING & RESURFACING

Exist. Median (To Remain)

Exist. Traffic Separator
(To Remain)

BEGIN CONC. SIDEWALK
+08.76, 3.39' LT

END SIDEWALK
+98.57
EL. 7.07

BEGIN SIDEWALK
+80.25
EL. 7.31

PULL BOXES
TO BE
REPLACED (9)

MATCH LINE STA. 325+40.00

100'

MATCH LINE STA. 332+40.00

100'

S.R. 823 / NW 57th AVENUE

MILLING & RESURFACING

PULL BOXES TO
BE REPLACED (4)

+01.32

R 40'

10'

R 32'

℄ NW 159th STREET

+07.85

+70.91

R/W LINE

CR-C

Exist. Private
Access Driveway
(To Remain)

BEGIN C&G TYPE F
BEGIN CONC. SIDEWALK
CONNECT TO EXIST.
+80.35, 91.67' RT

PULL BOXES
TO BE
REPLACED (3)

CR-C

CR-C

R/W LINE

END C&G TYPE F
END CONC. SIDEWALK
CONNECT TO EXIST.
+10.00, 93.43' RT

Exist. Curb
& Gutter
and Concrete
Sidewalk
(To Remain)

Exist. Curb
& Gutter
and Concrete
Sidewalk
(To Remain)

END VALLEY GUTTER
+96.33, 92.04' RT

END C&G TYPE F
CONNECT TO EXIST.
+14.77, 108.63' RT

BEGIN C&G TYPE F
CONNECT TO EXIST.
+64.63, 108.62' RT

N.W. 159th STREET

S 90° 13' 88" W

32

70'

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
143.00' RT

CITY OF MIAMI GARDENS

CITY OF MIAMI GARDENS

SECTION LINE

NOTE:

GUARDRAIL POSTS LOCATED ABOVE UTLITIES SHALL BE SPECIAL ENCASED GUARDRAIL POST AS PER STANDARD INDEX 400. SEE SUMMARY OF QUANTITIES SHEET.

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MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO.
30

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1" = 50'

TOWN OF MIAMI LANDS

END GUARDRAIL
CONNECT TO EXIST.
+17.83, 36.54' LT

Remove Exist. Guardrail
(See Summary Table)

Exist. Guardrail
(To Remain)

CANAL R/W LINE

25' CANAL MAINTENANCE EASEMENT

16" WM

BEGIN GUARDRAIL
CONNECT TO EXIST.
CONCRETE BARRIER WALL
DESIGN STD 400 DETAIL J
AND 410)
+87.20, 7.14' RT

END C&G TYPE F
CONNECT TO EXIST.
+15.60, 9.44' LT

BEGIN C&G TYPE F
CONNECT TO EXIST.
+58.63, 0.67' LT

RED ROAD CANAL

55'

R/W LINE

℄ SURVEY SR 823 & RANGE LINE

Exist. Conc.
Barrier Wall
(To Remain)

STA 30+00.00 ℄ NW 161st STREET =
STA 336+51.80 ℄ SURVEY SR 823

R 32'

R 34'

10'

333 334 335 336 337 338 339

N 02° 22' 49" W

90°39'55"

EL. 7.05

R 30'

END VALLEY GUTTER
END C&G TYPE F
+81.42, 6.87' RT

EL. 7.40

Exist. Conc.
Barrier Wall
(To Remain)

BEGIN VALLEY GUTTER
BEGIN C&G TYPE F
+87.19, 7.42' RT

Exist. Traffic Separator
(To Remain)

S.R. 823 / NW 57th AVENUE

48" WM

MILLING & RESURFACING

MATCH LINE STA. 332+40.00

100'

Exist. Median (To Remain)

Exist. Traffic Separator
(To Remain)

MILLING & RESURFACING

MATCH LINE STA. 339+40.00

30" FM

+27.26

R 35'

R 35'

+80.63

R/W LINE

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

CR-C

CR-C

R/W LINE

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

31

℄ NW 161st STREET

S 88° 13' 06" W

N.W. 161st STREET

32

70'

CITY OF MIAMI GARDENS

CITY OF MIAMI GARDENS

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SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO.
31

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1" = 50'

TOWN OF MIAMI LAKES

TOWN OF MIAMI LAKES

70'

R/W LINE

℄ NW 163rd STREET

N.W. 163rd STREET

R/W LINE

END C&G TYPE F
AND SIDEWALK
CONNECT TO EXIST.
+41.65, 101.84' LT

SECTION LINE

Remove Exist.
Guardrail
(See Summary Table)

END GUARDRAIL
W/ END ANCHORAGE
ASSEMBLY - TYPE CRT
+02.93, 46.24' LT

+34.47
75.00' LT

+30.43
75.00' LT

+28.71
65.37' LT

+32.70
65.10' LT

31

S 89° 39' 20" W

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
57.00' LT

CANAL R/W LINE

16" WM

25' CANAL MAINTENANCE EASEMENT

SEE DRIVEWAY DETAIL SHEET

RED ROAD CANAL

RED ROAD CANAL

BEGIN GUARDRAIL
CONNECT TO EXIST.
CONCRETE BARRIER WALL
(DESIGN STD 400 DETAIL J
AND 410)
BEGIN C&G TYPE F
+94.26, 7.61' RT

P.I. STA. 340+60.99
Δ = 00°00'16" LT

SEE NOTE

STA 30+00.00 ℄ NW 163rd STREET =
STA 342+67.15 ℄ SURVEY SR 823

℄ SURVEY SR 823 & RANGE LINE

R/W LINE

Exist. Guardrail
(To Remain)

Exist. Conc.
Barrier Wall
(To Remain)

16" WM

Exist. Conc.
Barrier Wall
(To Remain)

55'

340

341

342

343

344

345

346

N 02° 22' 49" W

N 02° 23' 05" W

+26.86
35.42' LT

38' R

87°57'35"

90°36'11"

340+60.99

24" R

32' R

CR-D

+06.59
7.74' RT

STA 30+00.00 ℄ NW 163rd STREET =
STA 342+64.86 } SURVEY SR 823

S.R. 823 / NW 57th AVENUE

MILLING & RESURFACING

MILLING & RESURFACING

48" WM

BEGIN SIDEWALK
+29.20, 6.62' LT

MATCH LINE STA. 339+40.00

100'

MATCH LINE STA. 346+40.00

100'

Exist. Traffic Separator
(To Remain)

Exist. Traffic Separator
(To Remain)

MILLING & RESURFACING

PULL BOXES TO
BE REPLACED (2)

30" FM

℄ NW 163rd STREET

PULL BOXES TO
BE REPLACED (4)

PULL BOX TO BE
REPLACED (1)

MILLING & RESURFACING

40' R

CR-C

CR-C

CR-C

38' R

R/W LINE

R/W LINE

BEGIN C&G TYPE F
BEGIN CONC. SIDEWALK
+03.71, 93.32' RT

+03.72
99.82' RT

+24.34
102.09' RT

+27.47
103.55' RT

+42.40
121.10' RT

31
+02.72

S 88° 13' 06" W

END C&G TYPE F
END CONC. SIDEWALK
CONNECT TO EXIST.
+23.12, 93.48' RT

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

END C&G TYPE F
W/ FLARED END
END CONC. SIDEWALK
+47.57, 119.33' RT

BEGIN C&G TYPE F
BEGIN CONC. SIDEWALK
CONNECT TO EXIST.
+88.66, 121.76' RT

CITY OF MIAMI GARDENS

CITY OF MIAMI GARDENS

R/W LINE

R/W LINE

32

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
158.00' RT

N.W. 163rd STREET

70'

NOTE:

GUARDRAIL POSTS LOCATED ABOVE UTLITIES SHALL BE SPECIAL ENCASED GUARDRAIL POST AS PER STANDARD INDEX 400. SEE SUMMARY OF QUANTITIES SHEET.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 32

USER: Rosellm 11/23/2015 4:32:40 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\roadway\PLANRD11.dgn

1" = 50'

TOWN OF MIAMI LAKES

TOWN OF MIAMI LAKES

℄ NW 165th TERRACE

70'

N.W. 165th TERRACE

32

31

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
75.00' LT

END GUARDRAIL
W/ END ANCHORAGE
ASSEMBLY - TYPE CRT
+97.26, 53.23' LT

END C&G TYPE F
+87.43, 48.77' LT

+16.56
53.99' LT

BEGIN C&G TYPE F
BEGIN CONC. SIDEWALK
CONNECT TO EXIST.
+80.93, 38.53' LT

+83.98
80.00' LT

+83.09
55.00' LT

CANAL R/W LINE

25' CANAL MAINTENANCE EASEMENT

Remove Exist. Guardrail
(See Summary Table)

BEGIN C&G TYPE F
BEGIN GUARDRAIL
CONNECT TO EXIST.
CONCRETE BARRIER WALL
(DESIGN STD 400 DETAIL J
AND 410)
+87.43, 5.18 LT

+87.43
38.30' LT

+08.31
15.83' LT

END C&G TYPE F
END CONC. SIDEWALK
CONNECT TO EXIST.
+08.02, 9.34' LT

CR-C

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

L.A. R/W LINE

RED ROAD CANAL

℄ SURVEY SR 823 & RANGE LINE

R/W LINE

347

348

349

350

351

352

353

N 02° 23' 05" W

S 89° 39' 20" W

87°57'35"

R 24'

R 30'

55'

80'

+92.48

PULLBOXES TO
BE REPLACED (3)

Exist. Conc.
Barrier Wall
(To Remain)

MILLING & RESURFACING

STA 30+00.00 ℄ NW 165th TERRACE =
STA 350+51.46 ℄ SURVEY SR 823

S.R. 823 / NW 57th AVENUE

Exist. Median (To Remain)

MATCH LINE STA. 346+40.00

100'

MATCH LINE STA. 353+40.00

102'

PULL BOXES TO
BE REPLACED (3)

+13.63

+91.60

CR-C

CR-C

R 30'

R 30'

MILLING & RESURFACING

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

R/W LINE

BEGIN C&G TYPE F
BEGIN CONC. SIDEWALK
CONNECT TO EXIST.
+93.23, 92.82' RT

+93.39
99.32' RT

+17.41
111.84' RT

END C&G TYPE F
END CONC.SIDEWALK
CONNECT TO EXIST.
+23.02, 108.47' RT

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
122.00' RT

END C&G TYPE F
END CONC.SIDEWALK
CONNECT TO EXIST.
+11.74, 90.61' RT

+11.80
97.14' RT

PULL BOXES TO
BE REPLACED (4)

+87.12
107.83' RT

BEGIN C&G TYPE F
BEGIN CONC.SIDEWALK
CONNECT TO EXIST.
+81.45, 104.50' RT

R/W LINE

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

Exist. Median (To Remain)

MILLING & RESURFACING

MILLING & RESURFACING

N.W. 165th TERRACE

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
155.00' RT

CITY OF MIAMI GARDENS

CITY OF MIAMI GARDENS

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO.
33

USER: Rosellm 11/23/2015 4:32:41 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\roadway\PLANRD12.dgn

1" = 50'

TOWN OF MIAMI LAKES

N.W. 167th STREET EB

S.R. 826 / PALMETTO EXPRESSWAY

N.W. 167th STREET WB

CANAL R/W LINE

L.A. R/W LINE

+46.24
80.00' LT

+46.63
80.00' LT

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
END C&G TYPE F
CONNECT TO EXIST.
+47.01, 20.43' LT
BEGIN C&G TYPE F
CONNECT TO EXIST.
+30.94, 8.57' LT

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

CR-C

+40.91
355+85.80

PI STA. 355+85.80
Δ = 00° 16' 39" LT

+98.63
16.03' LT

Exist. Fence
(To Remain)

Exist. Conc.
Barrier Wall
(To Remain)

+03.57
31.25' LT

END C&G TYPE F
CONNECT TO EXIST.
+03.65, 22.79' LT
EL. 7.54 (EXIST.)

+02.31
4.81' LT
EL. 7.81

CR-F

+01.99
2.41' LT

BEGIN WIDENING
+29.20, 31.20' LT

BEGIN C&G TYPE F
+31.86, 28.49' LT

+33.46
22.71' LT

+45.78
9.52' LT

CR-D

R 40

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

R/W LINE

354 355 356 357 358 359 360

N 02° 23' 05" W

N 02° 39' 44" W

℄ SURVEY SR 823 & RANGE LINE

*CONC. SWK. 5' WIDE

MILLING & RESURFACING

+42.60
30.08' RT

C&G TYPE F
CONNECT TO EXIST.
+32.64, 29.62' RT

+51.61
30.50' RT

+60.88
29.42' RT

C&G TYPE F
CONC. SIDEWALK 4"
7.25'

Exist. Concrete
Sidewalk
(To Remain)

BEGIN SIDEWALK
CONNECT TO EXIST.
+86.55

BEGIN WIDENING
BEGIN C&G TYPE F
CONNECT TO EXIST.
+86.80, 3.57' RT
EL. 7.87 (EXIST.)

+93.57
3.76' RT
EL. 7.85

+00.44
0.59' RT
EL. 7.83

+65.64
13.09' RT

END WIDENING
END C&G TYPE F
END CONC. SIDEWALK
CONNECT TO EXIST.
+65.69, 3.18' LT

S.R. 823 / NW 57th AVENUE

+86.76
13.09' RT

WIDENING AND
RECONSTRUCTION

MILLING & RESURFACING

Exist. Median (To Remain)

+25.82

+63.29

7.25'

EXIST. ATTENUATOR
TO BE REPLACED
(SEE STANDARD INDEX 430)

WATER VALVE
TO BE ADJUSTED

+60.93
48.29' RT

+42.67
46.25' RT

+51.67
46.52' RT

C&G
TYPE D

MILLING & RESURFACING

C&G TYPE F
CONNECT TO EXIST.
+31.65, 45.93' RT

Exist. Concrete
Sidewalk
(To Remain)

Exist. Fence
(To Remain)

Exist. Conc.
Barrier Wall
(To Remain)

+92.94
115.42' RT

+42.86
117.04' RT

R/W LINE

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

+65.91
132.24' RT

+90.52
132.93' RT

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT

CITY OF MIAMI GARDENS

CITY OF MIAMI GARDENS

N.W. 167th STREET EB

S.R. 826 / PALMETTO EXPRESSWAY

N.W. 167th STREET WB

SECTION LINE

50'

50'

50'

80'

102'

120'

MATCH LINE STA. 353+40.00

MATCH LINE STA. 360+40.00

NOTE:
ELEVATIONS SHOWN IN THE RECONSTRUCTION AREA
ARE GIVEN AT THE GUTTER LINE.

*CONST. MEDIAN CROSSING REFUGE AS PER STD. INDEX 304

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

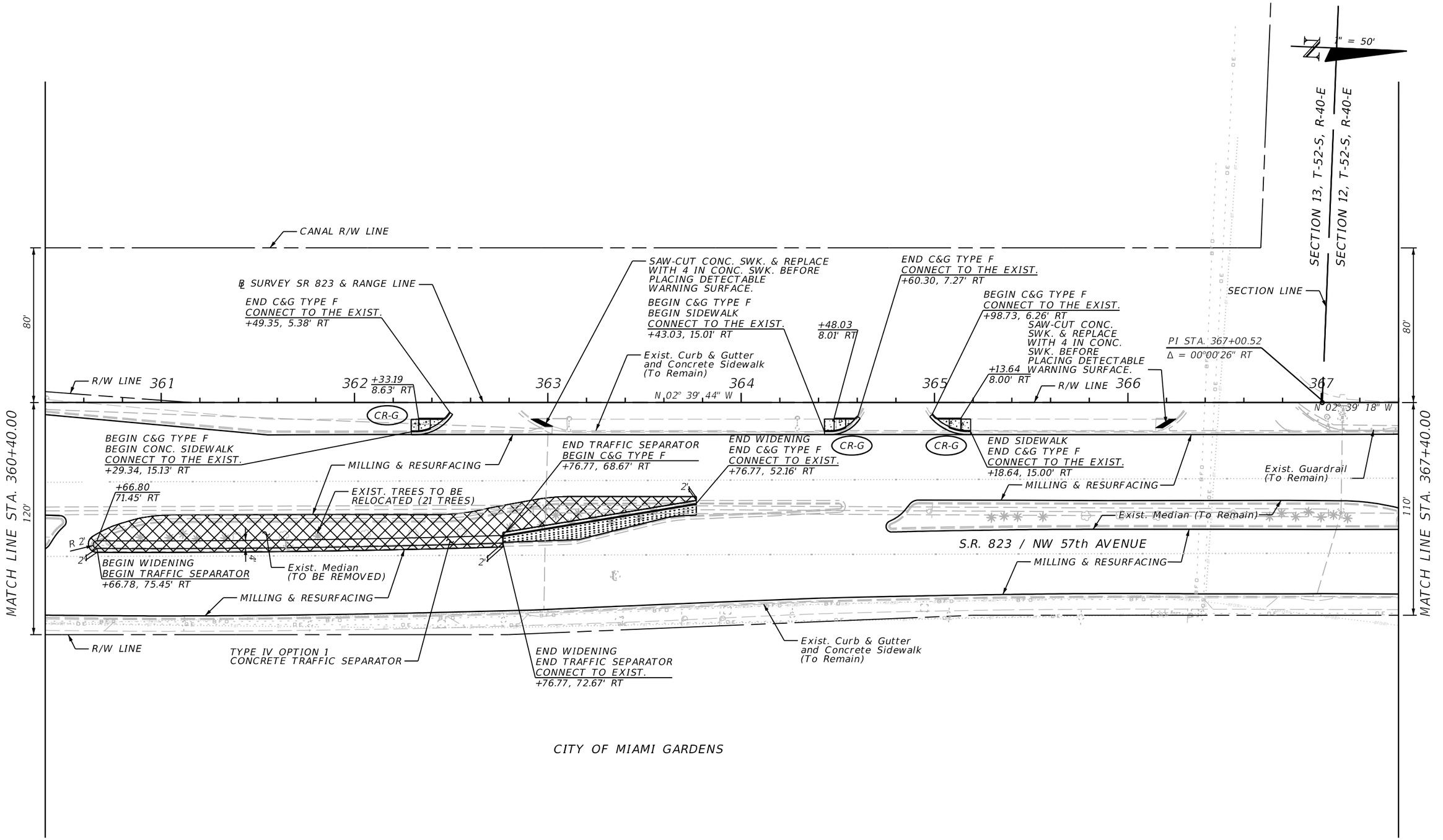
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 34

USER: Roselim 11/23/2015 4:32:42 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\roadway\PLANRD13.dgn



CITY OF MIAMI GARDENS

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 35

USER: Rosellm 11/23/2015 4:32:44 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\roadway\PLANRD14.dgn

1" = 50'

℄ NW 171st STREET

END C&G TYPE F
CONNECT TO EXIST.
+87.25, 3.72' LT

END SIDEWALK
CONNECT TO EXIST.
+82.71, 4.59' LT

+63.21
65.00' LT

+78.53
65.00' LT

70'

+49.81
95.00' LT

+49.40
85.00' LT

+48.59
65.00' LT

10' CANAL MAINTENANCE EASEMENT

CANAL R/W LINE

CANAL R/W LINE

RED ROAD CANAL

BEGIN C&G TYPE F
CONNECT TO EXIST.
+38.28, 2.00' LT

END C&G TYPE F
END SIDEWALK
CONNECT TO EXIST.
+58.62, 13.13' RT

+48.46
3.06' LT

STA 30+00.00 ℄ NW 170th STREET =
STA 368+02.11 ℄ SURVEY SR 823

℄ SURVEY SR 823 & RANGE LINE

R/W LINE

+76.69
4.29' LT

S 89° 39' 43" W

NW 171st STREET

87° 40' 59"

N 02° 39' 18" W

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

65'

368 369 370 371 372 373 374

MATCH LINE STA. 367+40.00

110'

90° 49' 18"

CR-F

CR-K

R 40'

R 40'

Exist. Guardrail
(To Remain)

BEGIN C&G TYPE F
CONNECT TO EXIST.
+76.00, 8.30' RT

STA 30+00.00 ℄ NW 171st STREET =
STA 370+10.93 ℄ SURVEY SR 823

MILLING & RESURFACING

48" WM

S.R. 823 / NW 57th AVENUE

Exist. Median (To Remain)

Exist. Traffic Separator
(To Remain)

12" WM

MILLING & RESURFACING

12" WM

140'

MATCH LINE STA. 374+60.00

N 88° 10' 01" E

℄ NW 170th TERRACE

31

BEGIN C&G TYPE F
CONNECT TO THE EXIST.
+20.60, 115.72' RT

END C&G TYPE F
CONNECT TO THE EXIST.
+37.73, 103.08' RT

R 35'

R 35'

CR-C

CR-E

R/W LINE

Exist. Median (To Remain)

+64.28

+34.36
111.97' RT

FRONTAGE ROAD

+27.17
119.43' RT

+32.02
119.43' RT

+37.07
116.18' RT

+29.32
115.22' RT

R/W LINE

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

NW 170th TERRACE

32

60'

CITY OF MIAMI GARDENS

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 36

USER: Rosellm 11/23/2015 4:32:45 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\roadway\PLANRD15.dgn

1" = 50'

+60.24
95.00' LT
+70.92
57.00' LT
+58.15
65.00' LT
STA 30+00.00 ℄ NW 173rd DRIVE =
STA 376+88.71 ℄ SURVEY SR 823
END C&G TYPE F
CONNECT TO EXIST
+63.41, 5.87' LT
10' CANAL MAINTENANCE EASEMENT
CANAL R/W LINE
END CONC. SIDEWALK
CONNECT TO EXIST
+54.76, 14.30' LT
BEGIN C&G TYPE F
BEGIN CONC. SIDEWALK
CONNECT TO EXIST
+23.57, 16.21' RT
Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)
65'
140'
MATCH LINE STA. 374+60.00
MILLING & RESURFACING
Exist. Traffic Separator
(To Remain)
MILLING & RESURFACING
R/W LINE
Exist. Median (To Remain)
FRONTAGE ROAD
R/W LINE
BEGIN C&G TYPE F
CONNECT TO EXIST.
BEGIN CONC. SIDEWALK
+28.47, 99.71' RT
Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)
END CONC. SIDEWALK
CONNECT TO EXIST.
+26.82, 134.47' RT
END CONC. SIDEWALK
CONNECT TO EXIST.
+31.76, 136.10' RT
END C&G TYPE F
CONNECT TO EXIST.
END CONC. SIDEWALK
+58.61, 129.93' RT
CITY OF MIAMI GARDENS
32
NW 173rd DRIVE
℄ NW 173rd DRIVE
31
NW 173rd DRIVE
70'
+58.39
+37.92
+18.42
+41.47
+06.25
+56.63
+17.92
118.52' RT
+12.68
121.52' RT
CR-A
CR-A
CR-K
CR-C
CR-D
CR-C
R 32'
R 34'
R 39'
R 40'
90°52'05"
N 88° 40' 03" W
N 88° 12' 47" E
N 02° 39' 18" W
N 88° 18' 32" E
STA 30+00.00 ℄ NW 173rd DRIVE =
STA 376+81.45 ℄ SURVEY SR 823
S.R. 823 / NW 57th AVENUE
LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
57.00' LT
+30.41
95.00' LT
+28.32
65.00' LT
LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
28.00' LT
+94.86
57.00' LT
BEGIN C&G TYPE F
BEGIN CONC. SIDEWALK
CONNECT TO EXIST
+10.35, 27.03' LT
END CONC. SIDEWALK
+19.33, 10.94' LT
END C&G TYPE F
CONNECT TO EXIST.
+48.71, 14.87' RT
Exist. Asphalt
Driveway
(To Remain)
Exist. Traffic Separator
(To Remain)
SAW-CUT CONC.
SWK. & REPLACE
WITH 4 IN CONC.
SWK. BEFORE
PLACING DETECTABLE
WARNING SURFACE.
END C&G TYPE F
CONNECT TO EXIST.
END CONC. SIDEWALK
+28.47, 99.71' RT
END CONC. SIDEWALK
CONNECT TO EXIST.
+24.56, 126.00' RT
Exist. Curb & Gutter
(To Remain)
END CONC. SIDEWALK
CONNECT TO EXIST.
+19.84, 129.99' RT
R/W LINE
Exist. Concrete
Sidewalk
(To Remain)
BEGIN C&G TYPE F
CONNECT TO EXIST.
BEGIN CONC. SIDEWALK
+28.47, 99.71' RT
LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
135.00' RT
LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
174.00' RT
CITY OF MIAMI GARDENS
70'
NW 174th DRIVE
℄ NW 174th DRIVE
50'
STA 30+00.00 ℄ NW 174th DRIVE =
STA 379+41.71 ℄ SURVEY SR 823
RED ROAD CANAL
℄ SURVEY SR 823 & RANGE LINE
R/W LINE
375
376
377
378
379
380
381
30
90°57'50"
Exist. Guardrail
(To Remain)
MILLING & RESURFACING
Exist. Median (To Remain)
END C&G TYPE F
END SIDEWALK
CONNECT TO EXIST
+80.21, 101.66' RT
MILLING & RESURFACING
R/W LINE
CR-C
+81.97
108.26' RT
Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)
BEGIN C&G TYPE F
CONNECT TO EXIST.
+60.83, 113.46' RT
R/W LINE
END C&G TYPE F
AND SIDEWALK
CONNECT TO EXIST
+15.09, 101.26' RT
BEGIN C&G TYPE F
AND SIDEWALK
CONNECT TO EXIST.
+32.00, 101.09' RT
CITY OF MIAMI GARDENS
LAKE STEVEN
50'
85'
110'
MATCH LINE STA. 381+80.00

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87" AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822
ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 37

USER: Rosellm 11/23/2015 4:32:46 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\roadway\PLANRD16.dgn

1" = 50'

32 | 70' | NW 176th STREET

℄ NW 176th STREET

31 | S 85° 45' 24" W | NW 176th STREET

+64.20
62.00' LT

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
62.00' LT

+42.53
62.00' LT

10' CANAL MAINTENANCE EASEMENT

CANAL R/W LINE

RED ROAD CANAL

END C&G TYPE F
END SIDEWALK
CONNECT TO THE EXIST.
+42.46, 14.47' RT

BEGIN CONC. SIDEWALK
+36.37, 4.30' LT

65'

STA 30+00.00 ℄ NW 175th STREET=
STA 383+26.74 ℄ SURVEY SR 823

382+26.70

℄ SURVEY SR 823 & RANGE LINE

END WIDENING
+44.37, 0.00' RT

382 | 383 | 384 | 385 | 386 | 387 | 388 | 389

Exist. Guardrail
(To Remain)

R/W LINE

N 02° 39' 18" W

BEGIN C&G TYPE F
+27.98, 14.63' RT

R 16'

90°57'50"

90°51'10"

CR-C

CR-D

BEGIN WIDENING
+27.99, 16.13' RT

S.R. 823 / NW 57th AVENUE

48" WM

MILLING & RESURFACING

N 88° 18' 32" E

STA 30+00.00 ℄ NW 176th STREET=
STA 385+70.92 ℄ SURVEY SR 823

Exist. Traffic Separator
(To Remain)

MILLING & RESURFACING

STA 30+00.00 ℄ NW 176th STREET=
STA 385+76.49 ℄ SURVEY SR 823

BEGIN C&G TYPE F
BEGIN SIDEWALK
CONNECT TO EXIST
+00.65, 106.71' RT

+00.14
106.29' RT

BEGIN C&G TYPE F
AND SIDEWALK
CONNECT TO EXIST.
+93.00, 99.72' RT

+99.21
113.75' RT

+00.39
120.33' RT

+02.22
105.00' RT

+10.59
110.19' RT

R/W LINE

SAW-CUT CONC.
SWK. & REPLACE
WITH 4 IN CONC.
SWK. BEFORE
PLACING DETECTABLE
WARNING SURFACE.

BEGIN C&G TYPE F
CONNECT TO EXIST.
+24.37, 101.93' RT

CR-K

R 30'

Exist. Curb & Gutter
(To Remain)

+27.99
113.97' RT

CR-A

R 2'

R/W LINE

Exist. Curb
& Gutter
and Concrete
Sidewalk
(To Remain)

END C&G TYPE F
AND SIDEWALK
CONNECT TO EXIST.
+46.00, 99.80' RT

+14.21
115.17' RT

R/W LINE

Exist. Concrete
Sidewalk
(To Remain)

CONC. SIDEWALK
CONNECT TO EXIST
+41.12, 120.97' RT

END C&G TYPE F
CONNECT TO EXIST
+53.73, 123.04' RT

END CONC. SIDEWALK
END C&G TYPE F
CONNECT TO EXIST.
+20.96, 19.39' RT

℄ NW 175th STREET

31 | 32

NW 175th STREET

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
130.00' RT

CITY OF MIAMI GARDENS

SECTION LINE

50'

MATCH LINE STA. 381+80.00

110'

+74.99
32.00' LT

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
32.00' LT

BEGIN C&G TYPE F
BEGIN CONC. SIDEWALK
CONNECT TO THE EXIST.
+01.70, 19.00' RT

+97.11
32.00' LT

+10.49
17.12' LT

+25.29
6.34' LT

R 50'

R 15'

CR-E

R 35'

END C&G TYPE F
END SIDEWALK
CONNECT TO THE EXIST.
+29.56, 2.13' RT

MILLING & RESURFACING

Exist. Traffic Separator
(To Remain)

BEGIN C&G TYPE F
CONNECT TO EXIST.
+95.62, 122.76' RT

12' WM

MILLING & RESURFACING

R/W LINE

Exist. Median (To Remain)

END C&G TYPE F
CONNECT TO EXIST.
+26.57, 101.21' RT

FRONTAGE ROAD

CONC. SIDEWALK
CONNECT TO EXIST.
+26.46, 129.27' RT

CONC. SIDEWALK
CONNECT TO EXIST.
+13.09, 130.38' RT

BEGIN C&G TYPE F
CONNECT TO EXIST.
+93.60, 129.74' RT

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
174.20' RT

R/W LINE

Exist. Curb & Gutter and Concrete Sidewalk
(To Remain)

℄ NW 176th STREET

31 | 32

NW 176th STREET

CITY OF MIAMI GARDENS

50'

MATCH LINE STA. 389+00.00

140'

65'

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

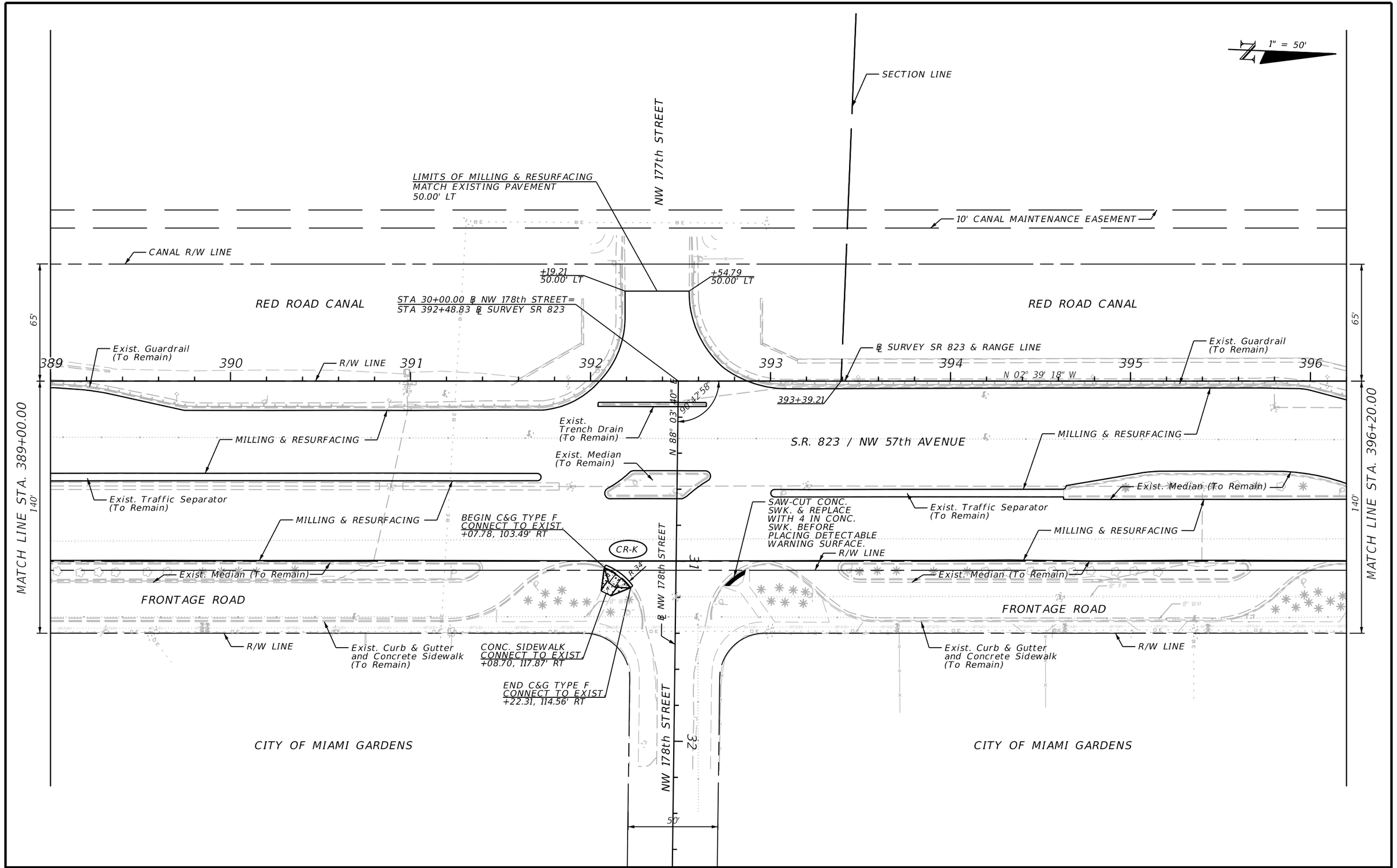
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 38

USER: Rosellm 11/23/2015 4:32:47 PM P:\2012 Projects\E9\18800\700CADD\43080315201\roadway\PLANRD17.dgn



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 39

USER: Rosellm 11/23/2015 4:32:48 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\roadway\PLANRD18.dgn

1" = 50'

10' CANAL MAINTENANCE EASEMENT

CANAL R/W LINE

65'

STA 30+00.00 ℄ NW 179th TERRACE =
STA 396+71.95 ℄ SURVEY SR 823

RED ROAD CANAL

℄ SURVEY SR 823 & RANGE LINE

R/W LINE

397 398 399 400 401 402 403

N 02° 39' 18" W

Exist. Guardrail
(To Remain)

90°44'27"

N 88° 05' 09" E

48" WM

S.R. 823 / NW 57th AVENUE

MILLING & RESURFACING

Exist. Median (To Remain)

Exist. Median
(To Remain)

MATCH LINE STA. 396+20.00

140'

Exist. Traffic Separator
(To Remain)

8" FM

+39.37
106.63', RT

R 34'

31

R/W LINE

MILLING & RESURFACING

Exist. Median (To Remain)

8" FM

8" WM

FRONTAGE ROAD

CR-K

SAW-CUT CONC.
SWK. & REPLACE
WITH 4 IN CONC.
SWK. BEFORE
PLACING DETECTABLE
WARNING SURFACE.

R/W LINE

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

CONST. CONC. SIDEWALK
CONNECT TO EXIST.
+33.98, 118.98' RT

32

CITY OF MIAMI GARDENS

+29.02
115.59' RT

NW 179th TERRACE

℄ NW 179th TERRACE

MATCH LINE STA. 403+40.00

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 40

USER: Rosellm 11/23/2015 4:32:50 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\roadway\PLANRD19.dgn

1" = 50'

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
90.00' LT

10' CANAL MAINTENANCE EASEMENT

CANAL R/W LINE

RED ROAD CANAL

PI STA. 408+67.11
Δ = 00°02'10" LT

℄ SURVEY SR 823 & RANGE LINE

R/W LINE

Exist. Guardrail
(To Remain)

404 405 406 407 408

N 02° 39' 18" W

65'

MATCH LINE STA. 403+40.00

140'

MILLING & RESURFACING

S.R. 823 / NW 57th AVENUE

Exist. Median
(To Remain)

Exist. Traffic Separator
(To Remain)

MILLING & RESURFACING

16" WM

R/W LINE

Exist. Median (To Remain)

FRONTAGE ROAD

8" WM

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

R/W LINE

CITY OF MIAMI GARDENS

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
140.00' RT

32

℄ SR 860 / NW 183rd STREET

31

S 88° 11' 32" W

89°7'0"

409

90°52'30"

N 88° 11' 02" E

29

℄ SR 860 / NW 183rd STREET

28

S.R. 860 /
NW 183rd STREET
(MIAMI GARDENS DRIVE)

STA 30+00.00 ℄ NW 183rd STREET=
STA 408+67.11 ℄ SURVEY SR 823

S.R. 860 /
NW 183rd STREET
(MIAMI GARDENS DRIVE)

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
38.00' LT

20' CANAL
MAINTENANCE
EASEMENT

CANAL R/W LINE

RED ROAD CANAL

Exist. Conc.
Barrier Wall
(To Remain)

410

N 02° 41' 28" W

65'

MATCH LINE STA. 410+60.00

108'

SAW-CUT CONC.
SWK. & REPLACE
WITH 4 IN CONC.
SWK. BEFORE
PLACING DETECTABLE
WARNING SURFACE.

80 LF OF
24" FD

Exist. Traffic Separator
(To Remain)

95 LF OF
18" PIPE

S-1

TH5 TH8 TH1 TH2

R/W LINE

8" WM

Exist. Curb & Gutter
and Concrete Sidewalk
(To Remain)

END MONOLITHIC
C&G TYPE F
AND SIDEWALK
CONNECT TO EXIST.
+56.01, 102.26' RT

CITY OF MIAMI GARDENS

LIMITS OF MILLING & RESURFACING
MATCH EXISTING PAVEMENT
190.00' RT

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

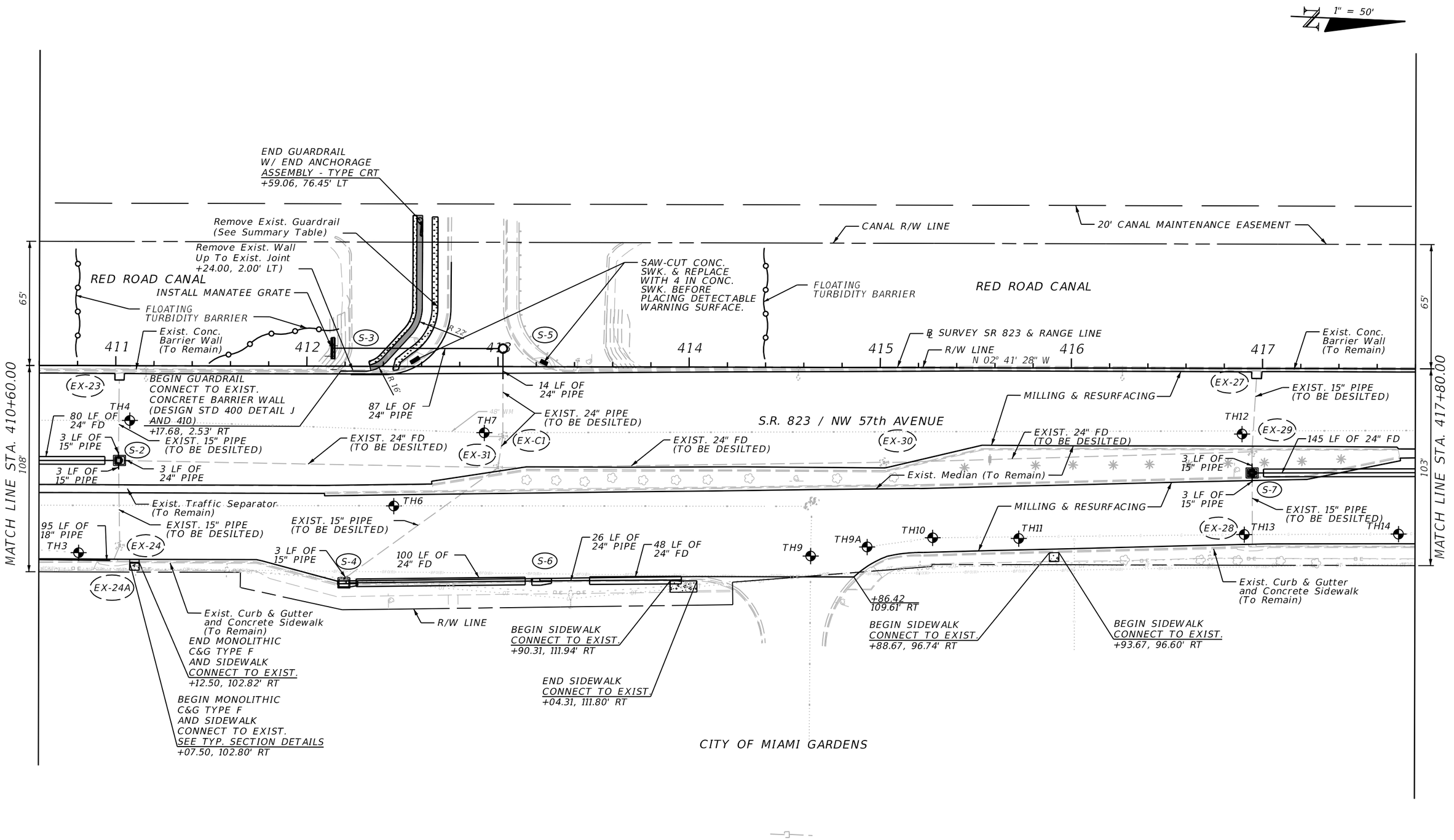
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 41

USER: RoselIm 11/23/2015 4:32:51 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\roadway\PLANRD20.dgn



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 42

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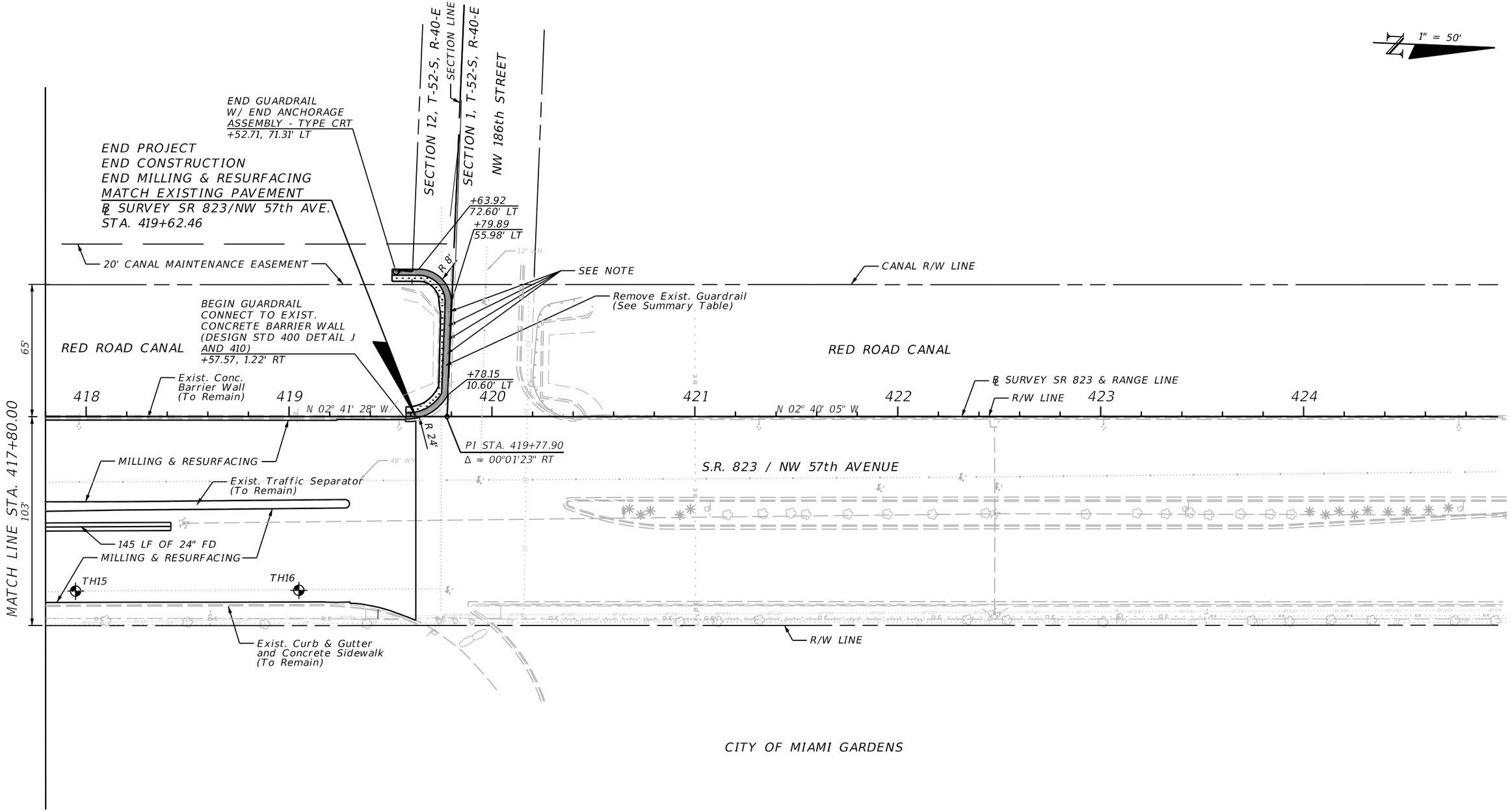

CITY OF MIAMI GARDENS

NOTE:

GUARDRAIL POSTS LOCATED ABOVE UTLITIES SHALL BE SPECIAL ENCASED GUARDRAIL POST AS PER STANDARD INDEX 400. SEE SUMMARY OF QUANTITIES SHEET.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

ROADWAY PLAN

SHEET NO. 43

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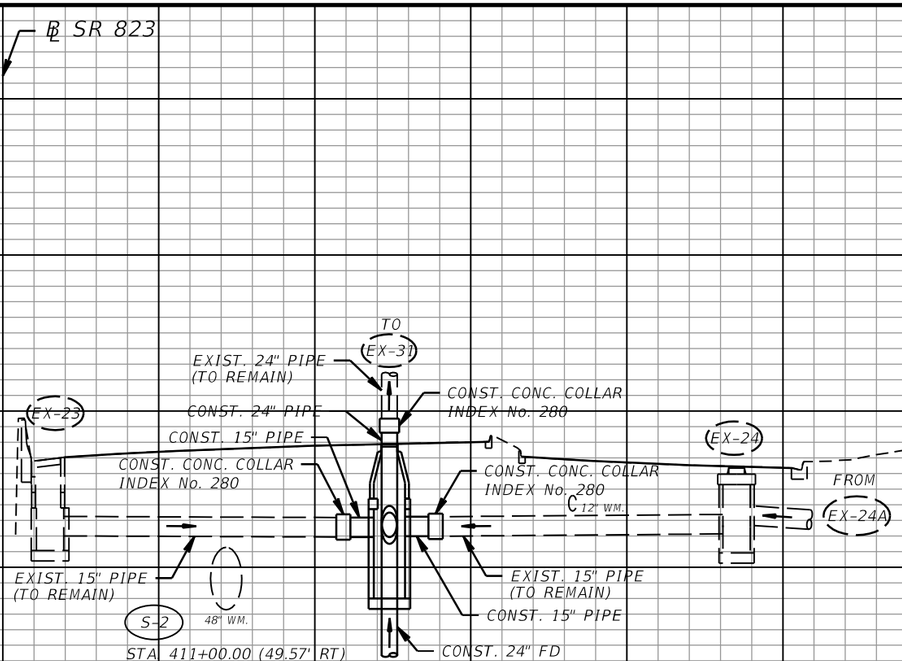

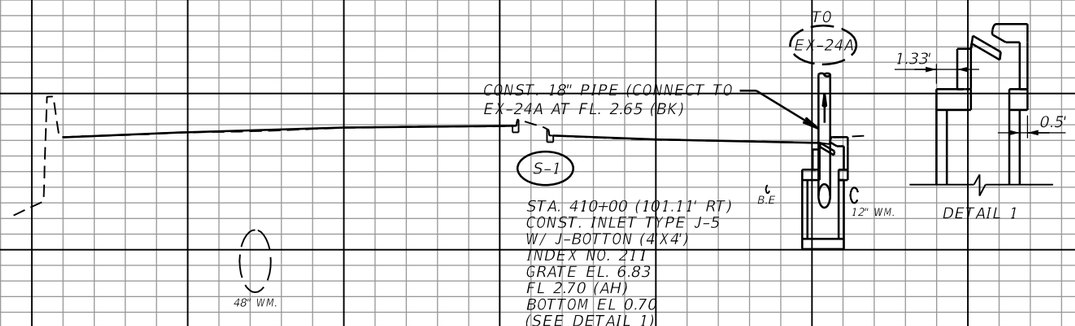

SCALE:
1" = 20' Horizontal
1" = 10' Vertical

100 80 60 40 20 0 20 40 60 80 100 120 140

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87" AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

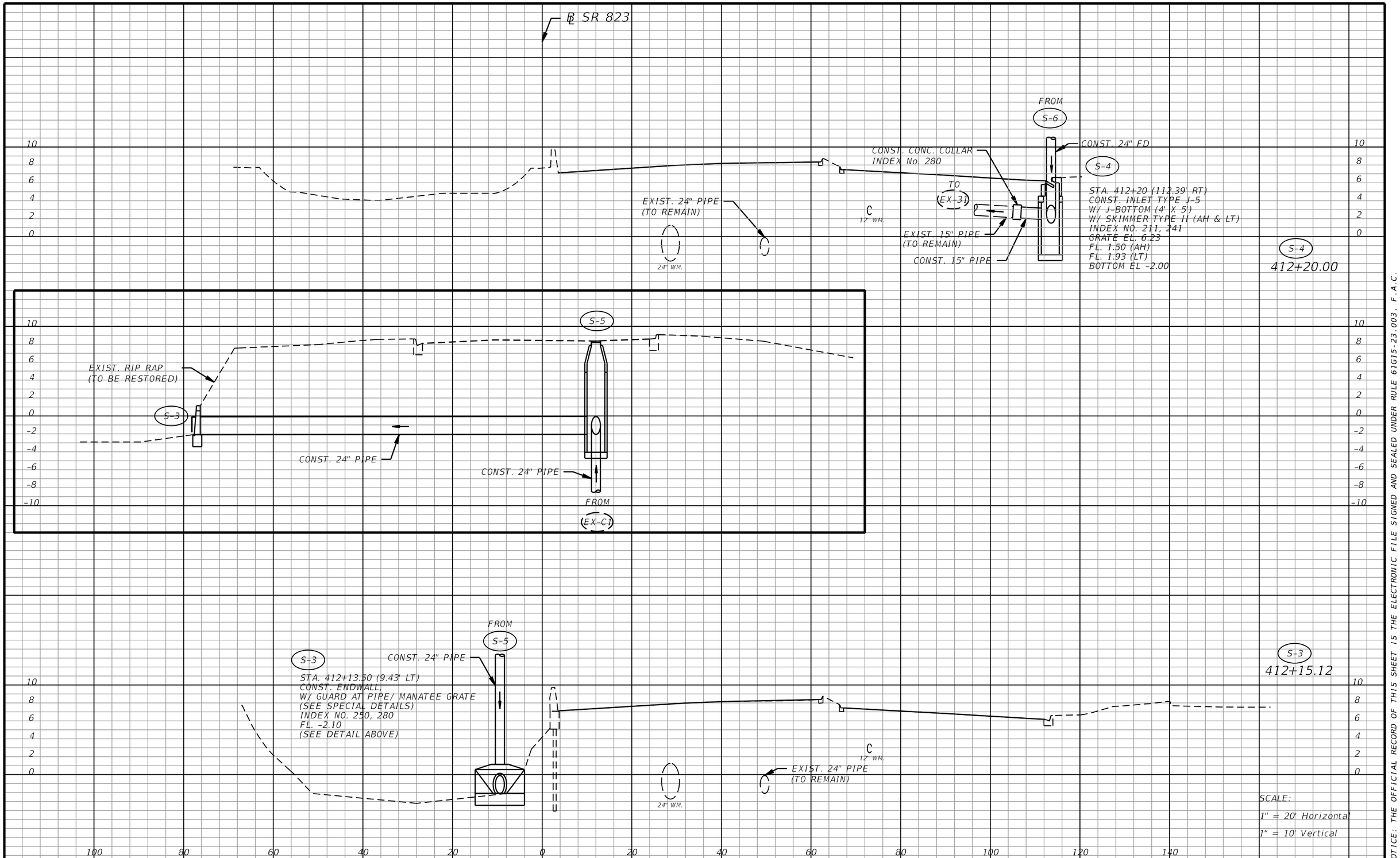
ENGINEER OF RECORD:
CLARA B. SIDAN PE No. 57596

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 44



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87" AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

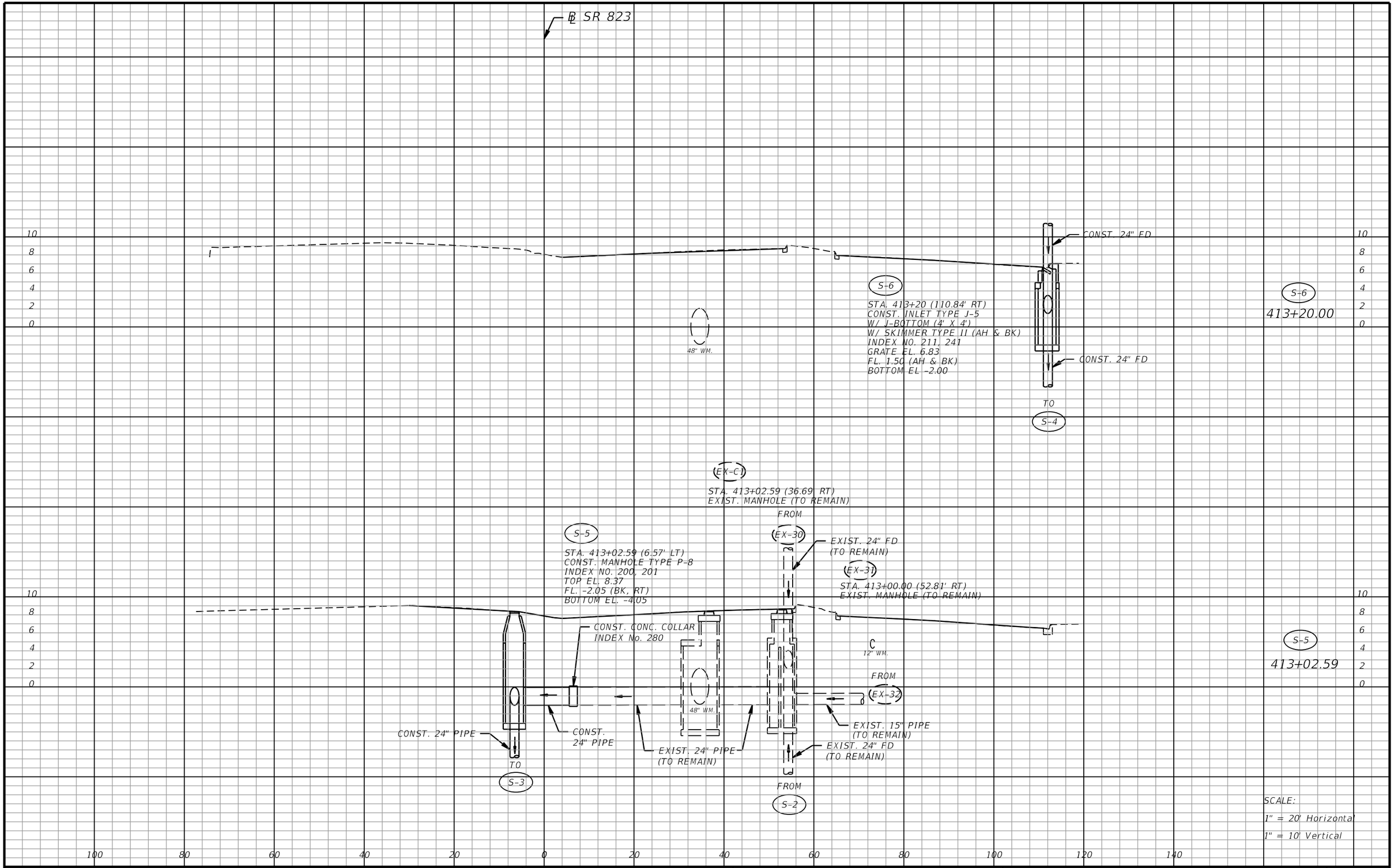
ENGINEER OF RECORD:
CLARA B. SIDAN PE No. 57596

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 45



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87" AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
CLARA B. SIDAN PE No. 57596

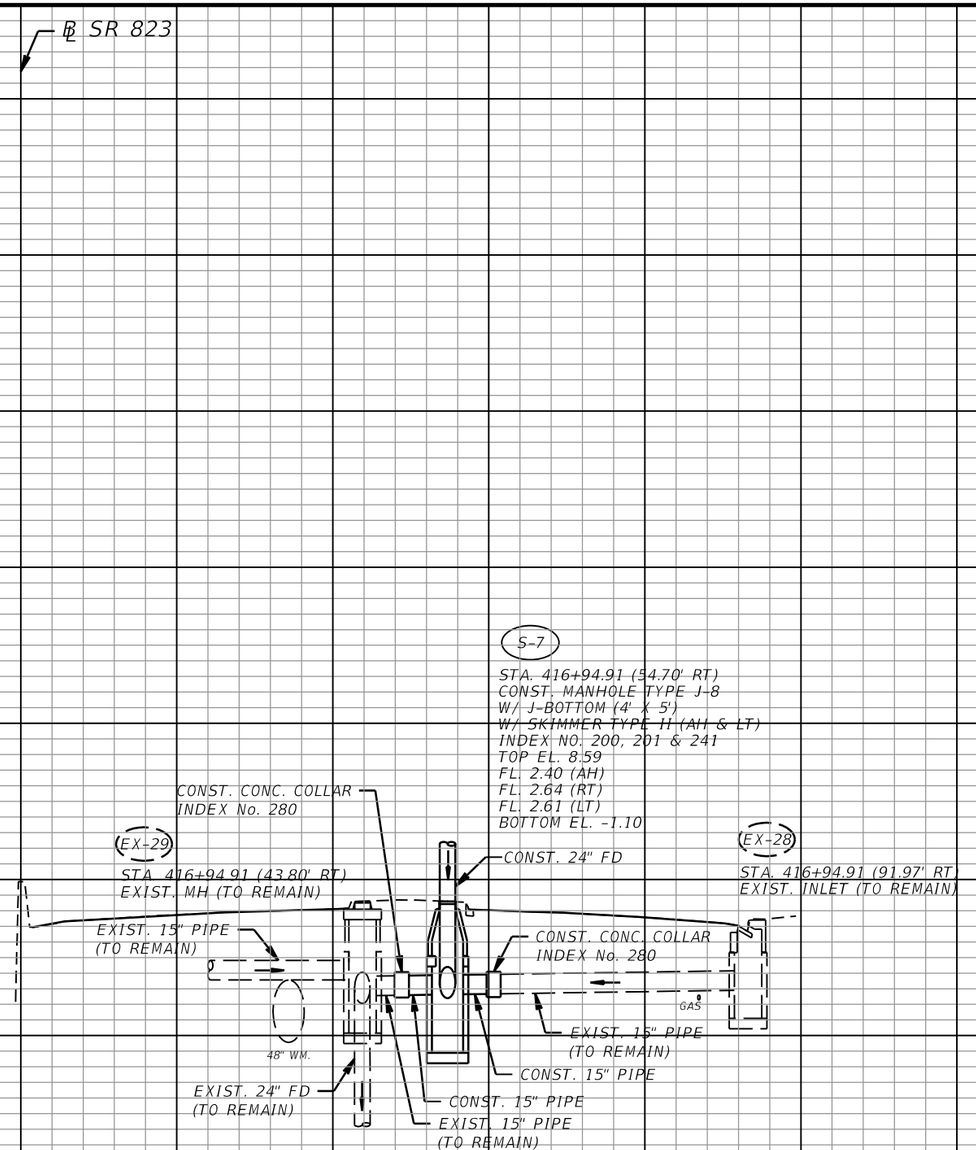
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 46

USER: Rosellm 11/23/2015 4:32:56 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\drainage\DRXSRD02.DGN



S-7

416+94.91

SCALE:

1" = 20' Horizontal

1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87" AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

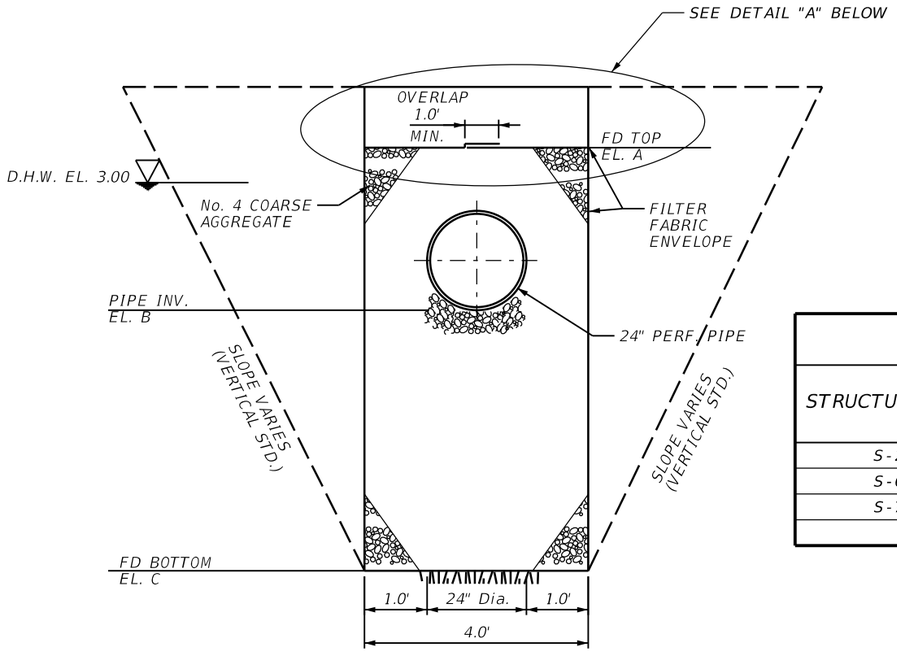
ENGINEER OF RECORD:
CLARA B. SIDAN PE No. 57596

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

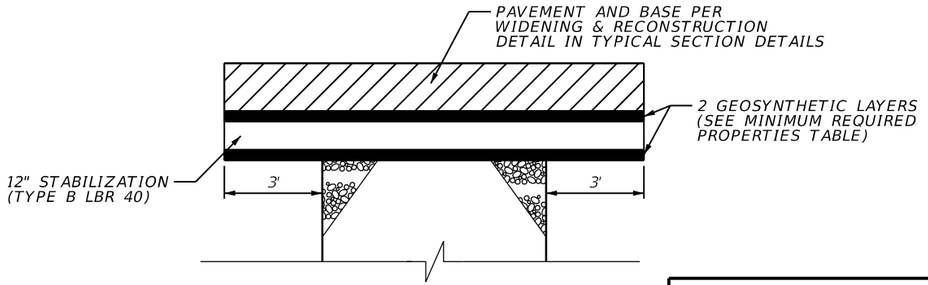
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 47



FRENCH DRAIN CROSS SECTION DETAIL
(SEE FDOT INDEX NO. 285 FOR MORE DETAILS)
N.T.S.

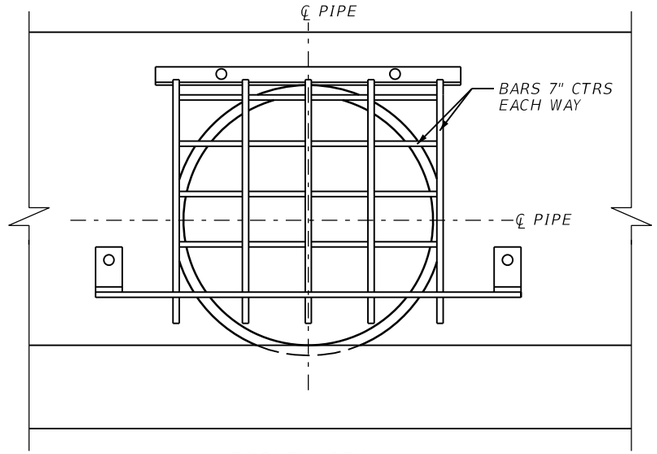


DETAIL "A"
N.T.S.

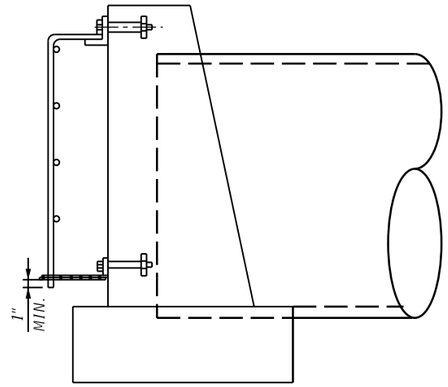
FRENCH DRAIN CROSS SECTION ELEVATIONS

STRUCTURE NO.	SIDE	LENGTH	FD TOP EL. A	PIPE INV. EL. B	FD BOTTOM EL. C
S-2	RT	80'	4.00	1.50	(-)2.00
S-6	RT	100'	4.00	1.50	(-)2.00
S-7	RT	150'	5.00	2.40	(-)2.00

PROPERTY		REQUIRED TEST METHOD	MINIMUM GEOSYNTHETIC VALUE
		ASTM D4355	70%
MACHINE DIRECTION	ULTIMATE (Tult)	ASTM D6637	2,500
	2% STRAIN		625
	5% STRAIN		1,000
CROSS DIRECTION	ULTIMATE (Tult)		4,500
	2% STRAIN		840
	5% STRAIN		1,350
USE:R-2			



FRONT VIEW
N.T.S.



SIDE VIEW
N.T.S.

MANATEE GRATE GUARD AT PIPE ENDS

(FOR LOCATIONS SEE DRAINAGE PLANS)
(FOR ADDITION INFORMATION SEE FDOT INDEX No.280)

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
CLARA B. SIDAN PE No. 57596

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

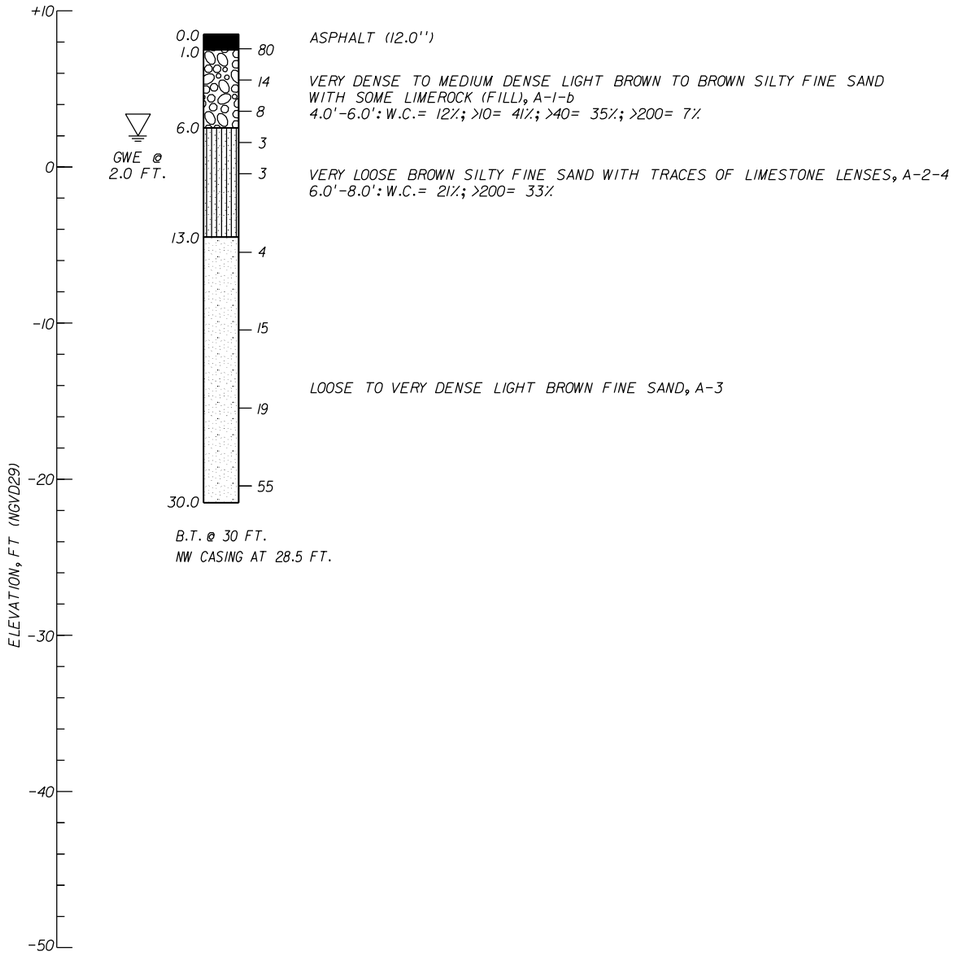
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SPECIAL DETAILS

SHEET NO.
48

B-1

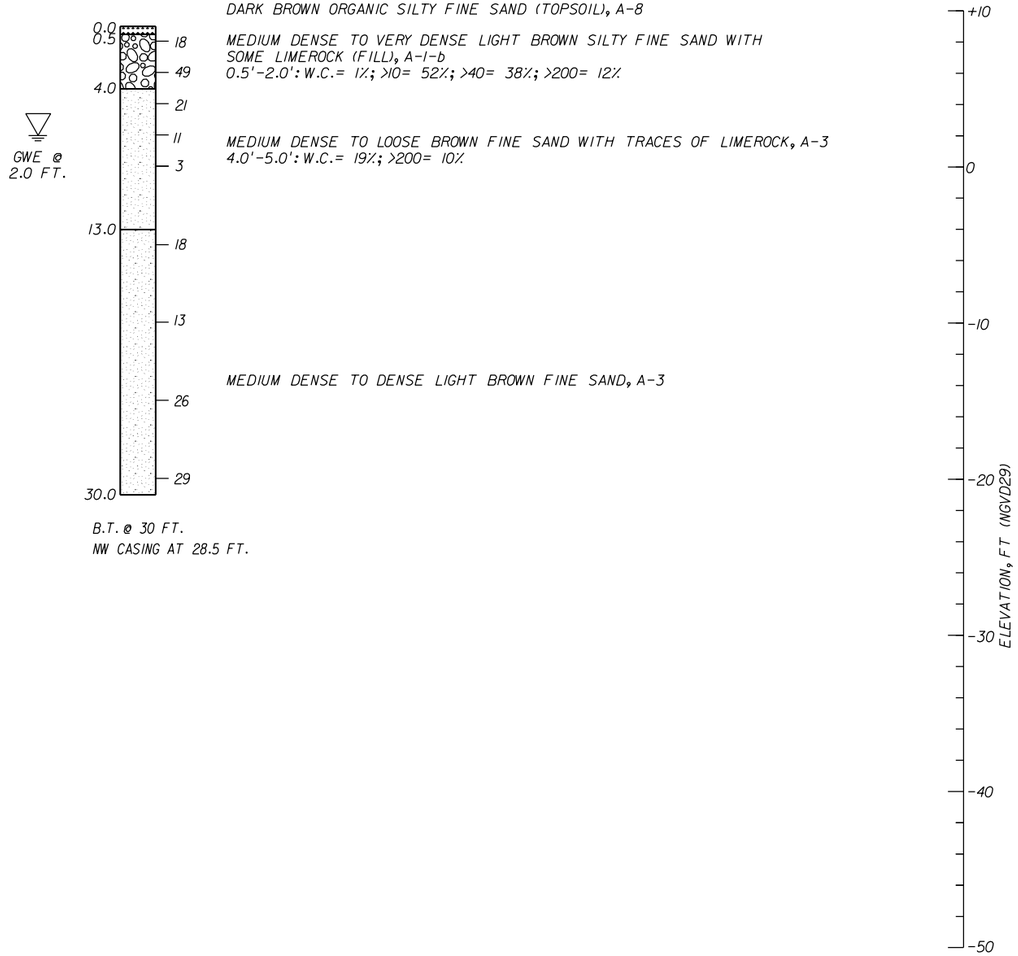
NORTHING: 584619.209
EASTING: 888264.930
STATION: 412+20
OFFSET: 105.0 RT
ELEVATION: 8.5 FT (*)
DATE: 07/23/15



B.T. @ 30 FT.
NW CASING AT 28.5 FT.

B-2

NORTHING: 585154.499
EASTING: 888175.941
STATION: 417+60
OFFSET: 45.0 RT
ELEVATION: 9.0 FT (*)
DATE: 07/23/15



B.T. @ 30 FT.
NW CASING AT 28.5 FT.

VERTICAL SCALE: 0 2 10
HORIZONTAL SCALE: N.T.S.
HRES PROJECT No.: HRI5-1077R

LEGEND:

ASPHALT
TOPSOIL
LIMEROCK FILL
FINE SAND
SILTY SAND

GROUND WATER LEVEL AT BORING COMPLETION

B.T.: BORING TERMINATED

N: SPT VALUE FOR A 12-INCH PENETRATION (AUTOMATIC HAMMER)

HAMMER WEIGHT = 140 LB

DROP HEIGHT = 30 IN

(*): ELEVATIONS ARE APPROXIMATE. THEY WERE ENCOUNTERED USING THE SURVEY INFORMATION FROM THE PLANS PROVIDED BY FDOT.

THE TEST BORING WAS PERFORMED BY HRES USING A CME-55 TRUCK MOUNTED RIG.

GRANULAR MATERIALS:

RELATIVE DENSITY	SPT N-VALUE (BLOWS/12 INCHES)
VERY LOOSE	<3
LOOSE	3-8
MEDIUM DENSE	8-24
DENSE	24-40
VERY DENSE	>40

SILTS AND CLAYS:

CONSISTENCY	SPT N-VALUE (BLOWS/12 INCHES)
VERY SOFT	<1
SOFT	1-3
FIRM	3-6
STIFF	6-12
VERY STIFF	12-24
HARD	>24

ENVIRONMENTAL CLASSIFICATION

SUBSTRUCTURE:
STEEL: MODERATELY AGGRESSIVE
CONCRETE: MODERATELY AGGRESSIVE

SUPERSTRUCTURE: SLIGHTLY AGGRESSIVE

Resistivity ohms-cm	pH	Sulfates ppm	Chlorides ppm
1,940	7.4	66	48

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

HR ENGINEERING SERVICES, INC.
Hernando R. Ramos
P.E. License No. 42045
7815 NW 72nd Avenue Medley, Florida 33166
Phone: (305) 888-8880 - Fax: (305) 888-8770
Certificate of Authorization No. 7991

DRAWN BY: ME 08-15
CHECKED BY: RAC 08-15
DESIGNED BY: RAC 08-15
CHECKED BY: HRR 08-15

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 823	MIAMI-DADE	430803-1-52-01

SHEET TITLE: ROADWAY SOIL SURVEY
REF. DWG. NO.:
PROJECT NAME: SR 823/NW 57TH AVE. FROM NORTH OF SR 916/NW 135TH ST./W 84TH ST. TO NW 186TH ST.
SHEET NO.: GR-1

GENERAL NOTES:

1. NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO CLOSURE, DETOUR OR MOT PHASE CHANGE BY SUBMITTING THE REQUIRED ELECTRONIC LANE CLOSURE FORM (WWW.FDOTLCIS.COM), SKETCHES, CALCULATIONS, AND OTHER DATA THROUGH THE ENGINEER TO THE DISTRICT TRAFFIC OPERATIONS OFFICE.

2. LANE CLOSURE SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENT DAYS/ NIGHTS/WEEKENDS. NON-PEAK HOURS ARE:

   9:00 AM TO 3:30 PM - WEEKDAYS AND WEEKENDS.
   9:00 PM TO 5:30 AM - SUNDAY THROUGH THURSDAY NIGHTS.
   11:00 PM TO 7:00 AM - FRIDAY AND SATURDAY NIGHTS.

   ALL WORK SHALL BE PERFORMED DURING DAY TIME WITH THE EXCEPTION OF MILLING & RESURFACING, STRIPING AND SIGNAL LOOPS TO BE PERFORMED AT NIGHT OR OTHERWISE APPROVED BY THE ENGINEER.

3. REGULATORY SPEED ESTABLISHED WITHIN WORK ZONE TRAVEL WAYS SHALL BE 45 M.P.H. REDUCED SPEED AND REGULATORY SPEED SIGNS SHALL BE INSTALLED ON SEPARATE POSTS IN ACCORDANCE WITH THE STANDARD INDEXES.

4. ARROWS ON THE TCP DENOTE THE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS UNLESS SPECIFICALLY NOTED.

5. TWO CONSTRUCTION INFORMATION SIGNS ARE REQUIRED FOR THIS PROJECT.

SIGNALS:

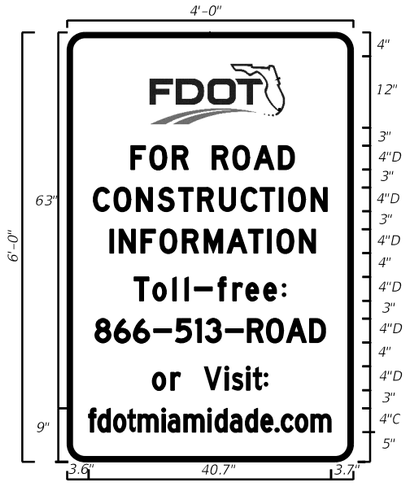
6. CONTRACTOR SHALL NOTIFY MIAMI DADE COUNTY SIGNS AND SIGNALS DIVISION LOCATED AT 7100 N.W. 36TH STREET, MIAMI, FLORIDA 33166 AND PHONE NO. (305)592-3470, 48 HOURS PRIOR TO ANY MODIFICATION OF AN EXISTING TRAFFIC SIGNAL SYSTEM. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE DESIGN AND CONSTRUCTION OF TEMPORARY SIGNALIZATION, FOR MAINTENANCE OF THE EXISTING AND/OR TEMPORARY TRAFFIC SIGNAL(S) WITHIN THE PROJECT LIMITS. COST OF DESIGNING TEMPORARY SIGNALIZATION, PROVIDING AND REMOVING TEMPORARY POLES, RELOCATING TRAFFIC SIGNAL HEADS, TEMPORARY SIGNAL HEADS AND MAINTAINING THE EXISTING AND/OR TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED IN PAY ITEM 102-104, TEMPORARY TRAFFIC CONTROL SIGNAL.

ADVANCE CONSTRUCTION NOTICE:

7. THE CONTRACTOR SHALL FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) AT APPROXIMATELY 200' SOUTH OF NW 142 STREET FOR THE NORTHBOUND LANES AND 200' NORTH OF NW 186th STREET FOR THE SOUTHBOUND LANES OR AS DIRECTED BY THE ENGINEER.

14 DAYS BEFORE CONSTRUCTION STARTS

CONST TO BEGIN XX/XX/XX	DRIVE WITH CAUTION
MESSAGE #1	MESSAGE #2



CONSTRUCTION INFORMATION SIGN

PROJECT NOTES

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

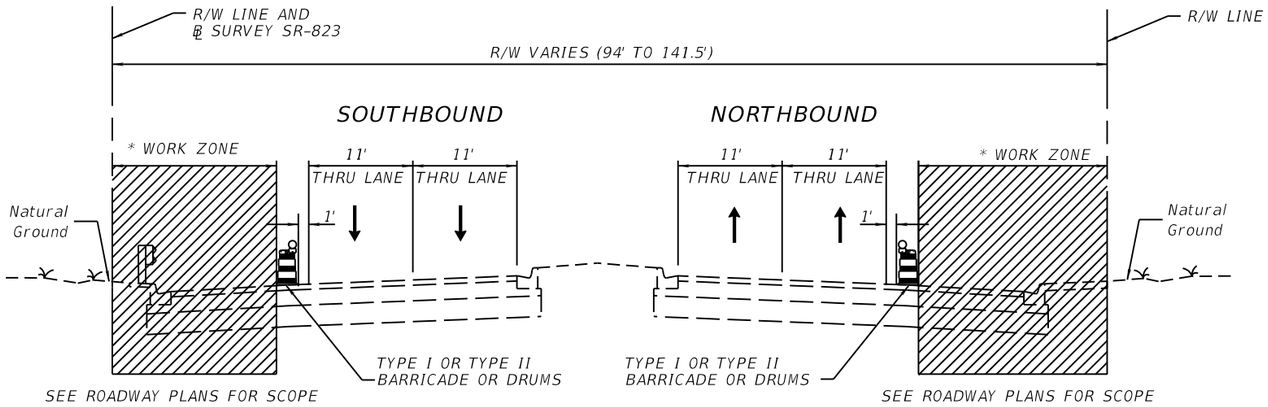
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TEMPORARY TRAFFIC CONTROL PLAN

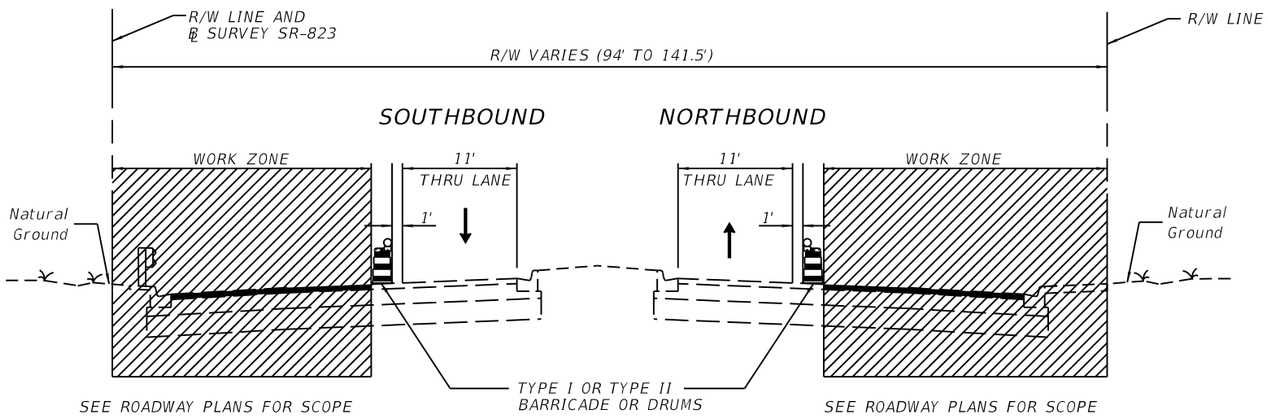
SHEET NO. 49

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



PHASE I CONSTRUCTION

SR-823



PHASE II-A CONSTRUCTION

PHASE III-A CONSTRUCTION

SR-823

PHASING NOTES:

PHASE I

INTENT: RECONSTRUCT DEFICIENT ADA CURB CUT RAMPS, REPLACE DAMAGED SIDEWALK, REMOVE ABANDONED DRIVEWAYS, RECONSTRUCT PAVEMENT AT THE INTERSECTION OF NW 57th AVE AND 167st WB, CONSTRUCT NEW DRAINAGE, INSTALL NEW SIGNAL DEVICES AND NEW GUARDRAIL.

1. DURING ALLOWABLE LANE CLOSURE, CLOSE OUTSIDE LANE AS REQUIRED FOR PHASE I OPERATIONS IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX 600, 613, 615, 616 AND 660.
2. MAINTAIN TWO TRAFFIC LANES OPEN AS PER TRAFFIC CONTROL TYPICAL SECTION I
3. CONSTRUCT ADA RAMPS, REPLACE DAMAGED SIDEWALK, REMOVE ABANDONED DRIVEWAYS, MAINTAIN PEDESTRIAN TRAFFIC, AND ADJUST/REPLACE/RELOCATE PULL BOXES.
4. PERFORM SIGNALIZATION WORK AS SHOWN ON PLANS.
5. RE-OPEN CLOSED LANES AT THE END OF WORK PERIOD.

PHASE II-A

INTENT: MILL AND RESURFACE OPERATIONS OUTER LANES, PLACE SUPERPAVE AND TEMPORARY PAVEMENT MARKINGS.

1. DURING ALLOWABLE LANE CLOSURE, CLOSE TWO OUTER LANES AS REQUIRED FOR PHASE II-A OPERATIONS IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX 600, 613, 616, 623, AND 660.
2. MAINTAIN PEDESTRIAN TRAFFIC, MAINTAIN ONE TRAFFIC LANE OPEN AS PER TRAFFIC CONTROL TYPICAL SECTION II-A.
3. MILL AND RESURFACE NORTHBOUND AND SOUTHBOUND OUTER LANES.
4. PLACE SUPERPAVE AND TEMPORARY PAVEMENT MARKINGS, AND TEMPORARY RPM'S.
5. RE-OPEN CLOSED LANES AT THE END OF WORK PERIOD.

PHASE III-A

INTENT: PLACE FRICTION COURSE AND FINAL PAVEMENT MARKINGS.

1. DURING ALLOWABLE LANE CLOSURE, CLOSE TWO OUTER LANES AS REQUIRED FOR PHASE III-A OPERATIONS IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX 600, 613, 616, 623, AND 660.
2. MAINTAIN PEDESTRIAN TRAFFIC, MAINTAIN ONE TRAFFIC LANE OPEN AS PER TRAFFIC CONTROL TYPICAL SECTION III-A.
3. PLACE DETECTORS LOOPS, TMS, FRICTION COURSE AND FINAL PAVEMENT MARKINGS.

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TYPICAL SECTIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

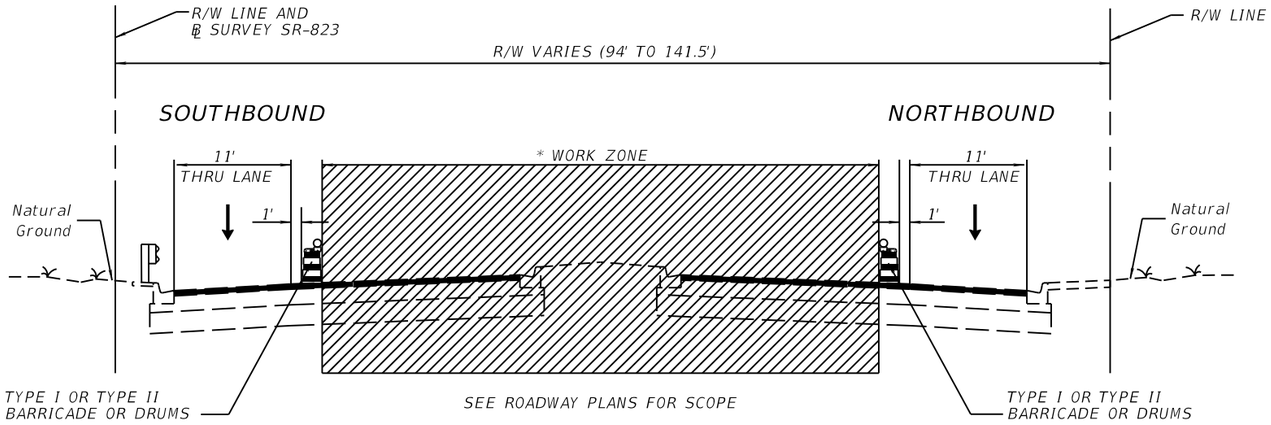
ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TEMPORARY TRAFFIC CONTROL PLAN

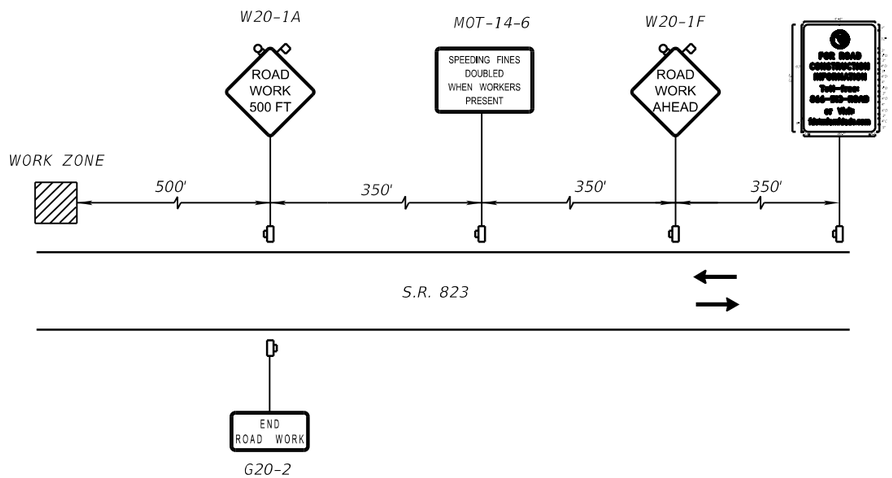
SHEET NO. 50



PHASE II-B CONSTRUCTION

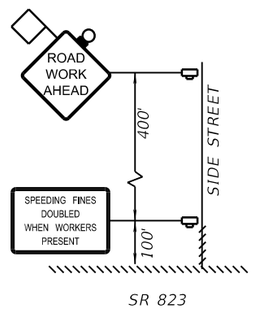
PHASE III-B CONSTRUCTION

SR-823



ADVANCE WORK ZONE SIGNING

SIGNING SHALL BE IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE SHOWN IN THE PLANS.



TYPICAL SIDE STREET ADVANCE SIGNING

NTS

PHASING NOTES:

PHASE II-B

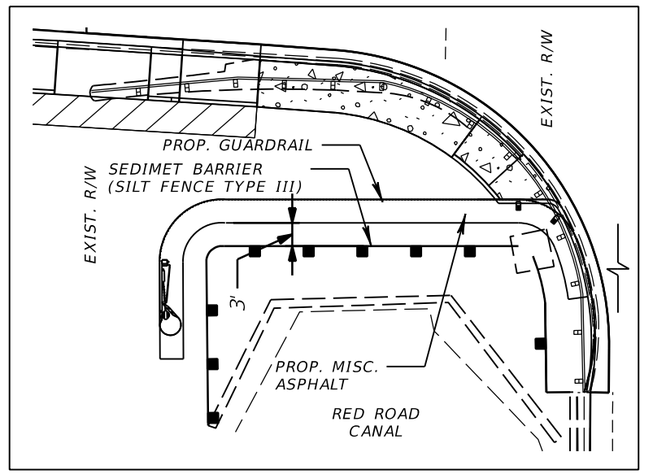
INTENT: WIDENING FROM STA. 298+34.06 TO STA. 306+32.00 AND FROM STA. 360+66.00 TO STA. 363+80.00, MILL AND RESURFACE OPERATIONS INNER LANES, INSTALL NEW DRAINAGE, PLACE SUPERPAVE AND TEMPORARY SIGNING AND PAVEMENT MARKINGS.

1. DURING ALLOWABLE LANE CLOSURE, CLOSE TWO INNER LANES AS REQUIRED FOR PHASE II-B OPERATIONS IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX 600, 613, 616, AND 623. FOR THE PAVEMENT WIDENING AND MEDIAN CONSTRUCTION FROM STA. 360+66.00 TO STA. 363+80.00 SEE DETAIL A.
2. MAINTAIN ONE TRAFFIC LANES OPEN AS PER TRAFFIC CONTROL TYPICAL SECTION II-B.
3. MILL AND RESURFACE NORTHBOUND AND SOUTHBOUND TWO INNER LANES.
4. PLACE SUPERPAVE, TEMPORARY PAVEMENT MARKINGS AND TEMPORARY RPM'S.
5. REMOVE TREES AS INDICATED ON PLANS.
6. RE-OPEN CLOSED LANES AT THE END OF WORK PERIOD.

PHASE III-B

INTENT: PLACE FRICTION COURSE AND FINAL PAVEMENT MARKINGS.

1. DURING ALLOWABLE LANE CLOSURE, CLOSE TWO INNER LANES AS REQUIRED FOR PHASE III-B OPERATIONS IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX 600, 613, AND 616.
2. MAINTAIN ONE TRAFFIC LANES OPEN AS PER TRAFFIC CONTROL TYPICAL SECTION III-B.
3. PLACE DETECTORS LOOPS, TMS, FRICTION COURSE AND FINAL PAVEMENT MARKINGS.



TYPICAL SEDIMENT BARRIER PLACEMENT
(SILT FENCE TYPE III)
REFER TO SUMMARY OF QUANTITIES FOR LOCATION

TYPICAL SECTIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87" AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO. 51

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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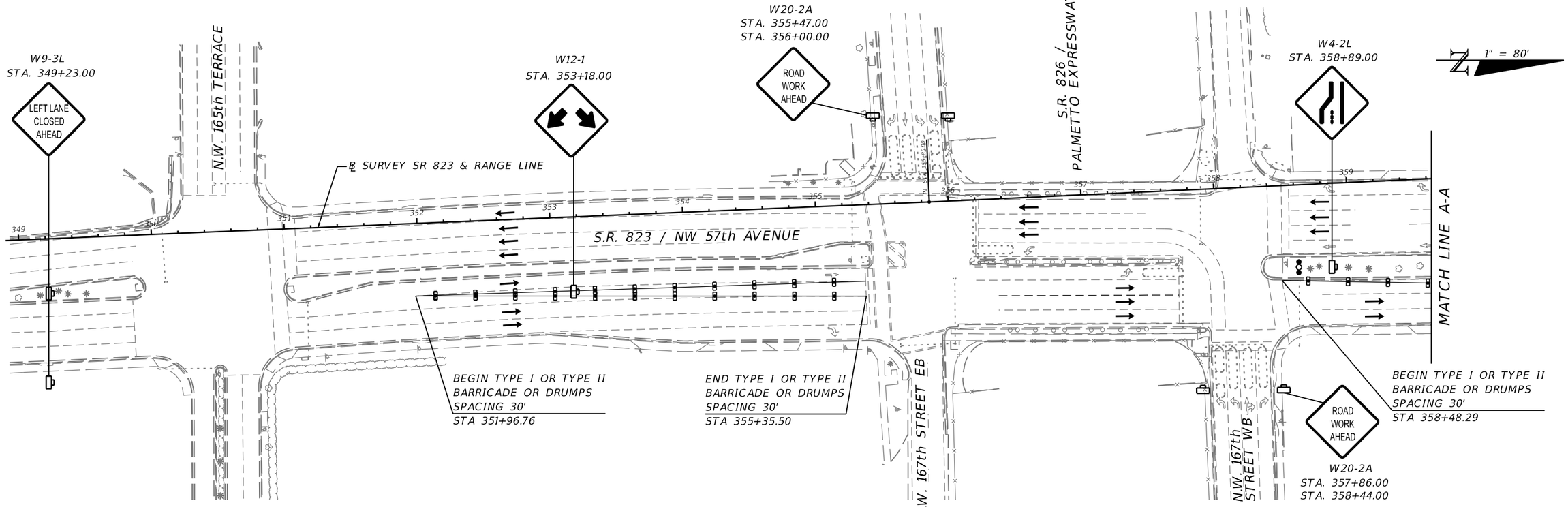

LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- TYPE I OR TYPE II BARRICADE OR DRUMPS
- ADVANCE WARNING ARROW BOARD

DETAIL A

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO. 52

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SPECIFIC PURPOSE SURVEY

NGVD29

℄ S.R. 823 (NW. 57th AVENUE)

FROM STA. 261+43.50 ℄ SURVEY

TO STA. 424+95.79 ℄ SURVEY

PRIMARY NETWORK CONTROL

POINT NAME	(Y) NORTHING	(X) EASTING	SCALE FACTOR	LATITUDE	LONGITUDE	BASELINE STATION	OFFSET	(Z) ELEVATION	DESCRIPTION
PNC25	570,206.467	888,939.252	1.00000331	25°54'02.30700"	80°17'30.86189"	267+94.27	109.78'RT	8.60'	FOUND FDOT BRASS DISC IN CONCRETE STAMPED "823-87-11-PNC-P"
PNC26	570,987.693	888,795.964	1.00000323	25°54'10.05215"	80°17'32.38481"	275+81.58	4.95'RT	8.57'	SET FDOT BRASS DISC IN CONCRETE STAMPED "SR-823-87-12-PNC26"
PNC27	571,862.408	888,847.381	1.00000326	25°54'18.71284"	80°17'31.77006"	284+52.73	99.18'RT	8.36'	SET PK NAIL AND WASHER STAMPED "SR-823-87-12-PNC27"
PNC28	572,770.276	888,702.219	1.00000318	25°54'27.71239"	80°17'33.30609"	293+66.62	1.16'LT	6.70'	SET FDOT BRASS DISC IN CONCRETE STAMPED "SR-823-87-12-PNC28"
PNC29	573,794.271	888,749.423	1.00000321	25°54'37.85181"	80°17'32.72864"	303+87.04	96.46'RT	7.98'	SET PK NAIL AND WASHER STAMPED "SR-823-87-12-PNC29"
PNC30	574,524.556	888,620.290	1.00000314	25°54'45.09166"	80°17'34.09969"	311+22.81	3.47'RT	7.59'	SET FDOT BRASS DISC IN CONCRETE STAMPED "SR-823-87-12-PNC30"
PNC31	575,267.110	888,676.916	1.00000317	25°54'52.44311"	80°17'33.43566"	318+61.67	96.59'RT	8.80'	SET PK NAIL AND WASHER STAMPED "SR-823-87-12-PNC31"
PNC32	576,079.829	888,587.478	1.00000312	25°55'00.49728"	80°17'34.36716"	326+77.81	47.26'RT	8.29'	SET PK NAIL AND WASHER STAMPED "SR-823-87-12-PNC32"
PNC33	577,107.217	888,591.473	1.00000312	25°55'10.67261"	80°17'34.26271"	337+04.52	95.97'RT	8.11'	SET PK NAIL AND WASHER STAMPED "SR-823-87-12-PNC33"
PNC34	578,095.251	888,390.713	1.00000301	25°55'20.46909"	80°17'36.40315"	347+00.04	63.53'LT	6.90'	SET FDOT BRASS DISC IN CONCRETE STAMPED "SR-823-12-PNC34"
PNC35	578,914.402	888,525.085	1.00000309	25°55'28.57502"	80°17'34.88304"	355+12.89	104.81'RT	8.19'	SET PK NAIL AND WASHER STAMPED "SR-823-12-PNC35"
PNC36	579,430.939	888,468.273	1.00000306	25°55'33.69397"	80°17'35.47477"	360+31.00	71.70'RT	8.57'	SET FDOT BRASS DISC IN CONCRETE STAMPED "SR-823-12-PNC36"
PNC37	580,235.751	888,464.870	1.00000305	25°55'41.66522"	80°17'35.46449"	368+35.12	105.67'RT	7.05'	SET PK NAIL AND WASHER STAMPED "SR-823-12-PNC37"
PNC38	581,115.793	888,316.441	1.00000298	25°55'50.38932"	80°17'37.03828"	377+21.09	1.84'LT	7.30'	SET PK NAIL AND WASHER STAMPED "SR-823-12-PNC38"
PNC39	582,015.847	888,386.899	1.00000301	25°55'59.29992"	80°17'36.21337"	386+16.91	110.23'RT	7.01'	SET PK NAIL AND WASHER STAMPED "SR-823-12-PNC39"
PNC40	582,952.927	888,228.510	1.00000293	25°56'08.58947"	80°17'37.89296"	395+60.33	4.58'LT	5.84'	SET FDOT BRASS DISC IN CONCRETE STAMPED "SR-823-12-PNC40"
PNC41	583,987.692	888,291.125	1.00000296	25°56'18.83470"	80°17'37.14596"	405+91.08	105.90'RT	6.94'	SET PK NAIL AND WASHER STAMPED "SR-823-12-PNC41"
PNC42	585,063.535	888,188.375	1.00000291	25°56'29.49561"	80°17'38.20796"	416+70.49	53.60'RT	8.49'	SET FDOT BRASS DISC IN CONCRETE STAMPED "SR-823-12-PNC42"

SURVEYORS NOTES:

1. BEARINGS AND COORDINATES ARE RELATIVE TO THE STATE PLANE COORDINATES, FLORIDA EAST ZONE, NORTH AMERICAN DATUM (NAD) OF 1983 (ADJUSTMENT OF 1990)

   -A BEARING OF N 10°23'36" W HAS BEEN ESTABLISHED BETWEEN MONUMENTS PNC-25 STAMPED "823-87-11-PNC-P" & PNC-26 STAMPED "SR-823-87-12-PNC26"

2. VERTICAL DATUM : NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD29)

3. PROJECT UNITS : US FEET

4. FIELD BOOK REFERENCES : MGV 805 SERIES.

5. ELECTRONIC DATABASE : CAICE: "12566.ZIP"

LEGEND

℄	:	BASELINE
E	:	EAST
LT.	:	LEFT
OFF.	:	OFFSET
N	:	NORTH
PI	:	POINT OF INTERSECTION
POT	:	POINT ON TANGENT
RT.	:	RIGHT
SR	:	STATE ROAD
STA.	:	STATION
⊖	:	PNC POINT

LIMITS FROM: NW. 135th STREET TO NW. 188th STREET

SURVEYOR'S CERTIFICATION
I HEREBY CERTIFY THIS SPECIFIC PURPOSE SURVEY WAS MADE FOR THE PURPOSE OF SURVEYING, REFERENCING, DESCRIBING AND MAPPING THE PRIMARY NETWORK CONTROL OR BASELINE FOR THE TRANSPORTATION FACILITY DEPICTED HEREON AND THAT SAID SURVEY WAS DONE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5 J 17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES. THIS MAP CONSISTING OF SHEETS CTL-1 THRU CTL-3 IS A TRUE, ACCURATE AND COMPLETE DEPICTION OF THE RESULTS OF A FIELD SURVEY PERFORMED UNDER MY DIRECTION AND COMPLETED ON 12-04-2012

SURVEYOR : MANUEL G. VERA, JR. PLS NUMBER : 5291

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 5J-17.062, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MANUEL G. VERA & ASSOCIATES, INC.
ENGINEERS SURVEYORS MAPPERS
13960 S.W. 47th STREET
MIAMI, FL 33175-3616
TEL: (305) 221-6210 FAX: (305) 221-1295
CERTIFICATE OF AUTHORIZATION: LB2439
MANUEL G. VERA , JR. PSM 5291

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

PROJECT NETWORK CONTROL

SHEET NO. CTL-1

SPECIFIC PURPOSE SURVEY

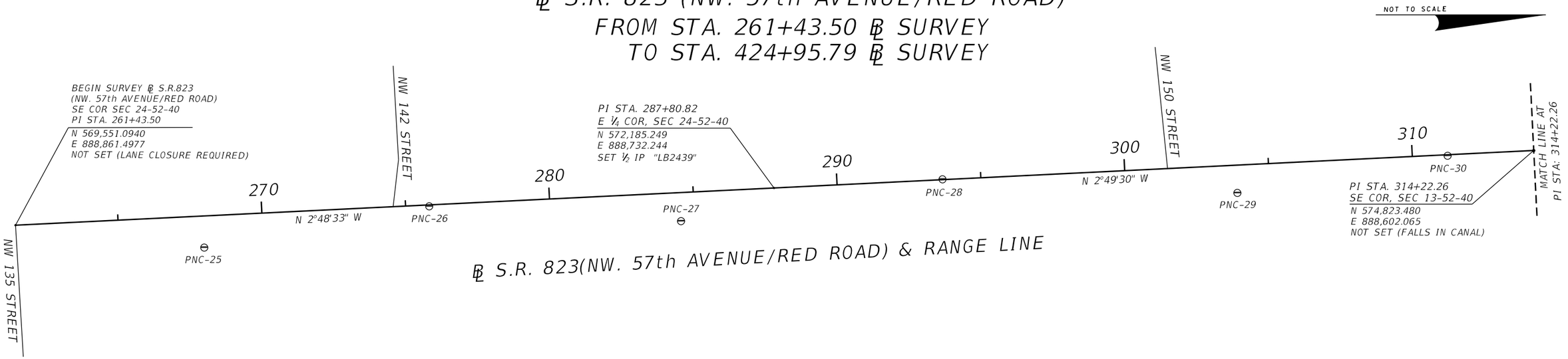
℄ S.R. 823 (NW. 57th AVENUE/RED ROAD)

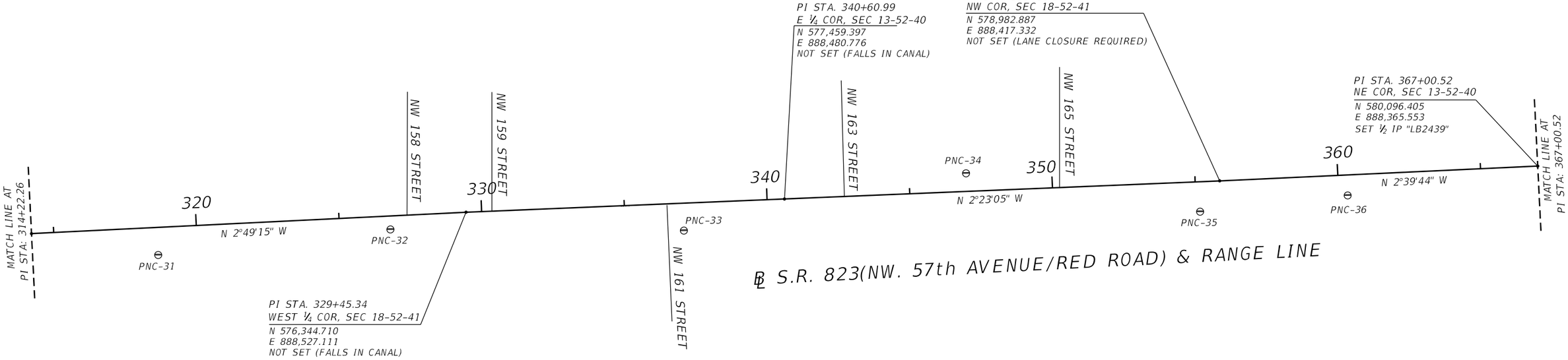
FROM STA. 261+43.50 ℄ SURVEY

TO STA. 424+95.79 ℄ SURVEY

NGVD29

NOT TO SCALE





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ENGINEERS SURVEYORS MAPPERS
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MIAMI, FL 33175-3616
TEL: (305) 221-6210 FAX: (305) 221-1295
CERTIFICATE OF AUTHORIZATION: LB2439
MANUEL G. VERA , JR. PSM 5291

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

PROJECT NETWORK CONTROL

SHEET NO.
CTL-2

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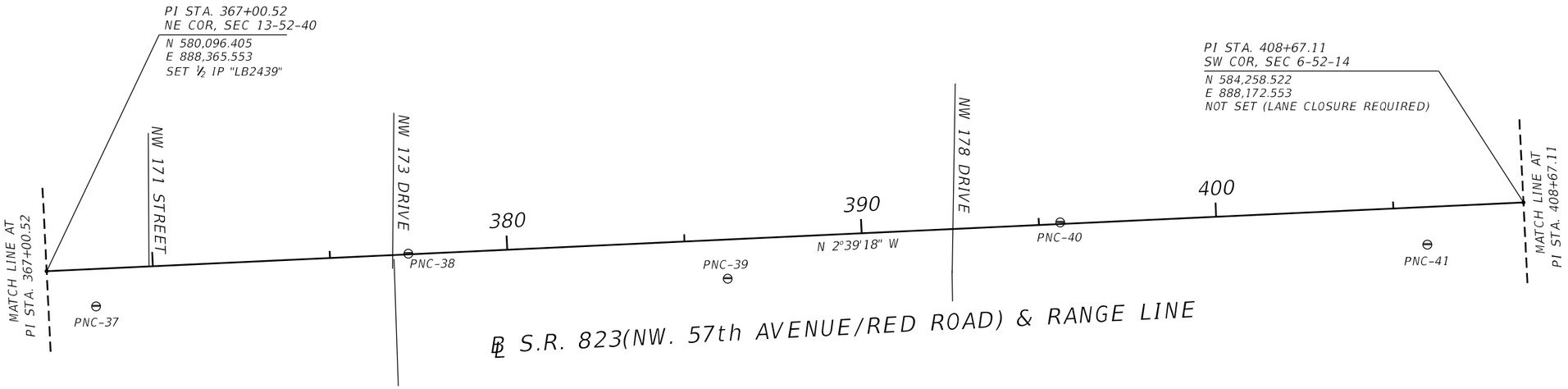
SPECIFIC PURPOSE SURVEY

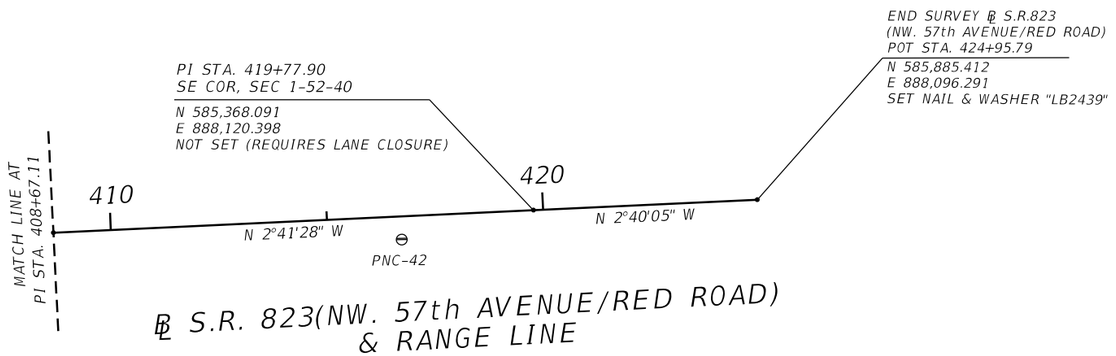
℄ S.R. 823 (NW. 57th AVENUE/RED ROAD)

FROM STA. 261+43.50 ℄ SURVEY
TO STA. 424+95.79 ℄ SURVEY

NGVD29

NOT TO SCALE





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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MANUEL G. VERA & ASSOCIATES, INC.
ENGINEERS SURVEYORS MAPPERS
13960 S.W. 47th STREET
MIAMI, FL 33175-3616
TEL: (305) 221-6210 FAX: (305) 221-1295
CERTIFICATE OF AUTHORIZATION: LB2439
MANUEL G. VERA , JR. PSM 5291

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

PROJECT NETWORK CONTROL

SHEET NO. CTL-3

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STATE OF FLORIDA

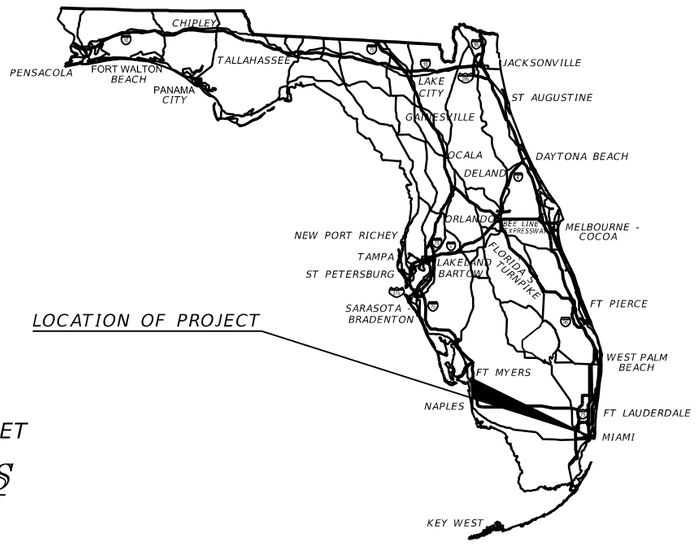
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 430803-1-52-01
& ID 430803-1-52-02
(FEDERAL FUNDS)
MIAMI-DADE COUNTY (87002)

STATE ROAD NO. 823 / NW 57 AVENUE
FROM N OF SR 916 /NW 135th STREET/ W 84th STREET TO NW 186th STREET

SIGNING AND PAVEMENT MARKING PLANS



INDEX OF SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
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S-6	GENERAL NOTES
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S-29	SPECIAL MARKING DETAILS
S-30	GUIDE SIGN WORKSHEET
S-31 - S-32	SIGN CROSS SECTIONS
S-33	MULTI- COLUMN SIGN DATA

SIGNING AND PAVEMENT MARKING
SHOP DRAWINGS TO BE SUBMITTED TO:

WENDY CONFORME, PE
JACOBS ENGINEERING GROUP INC.
3750 NW 87 AVENUE, STE 750
MIAMI, FL 33178

PLANS PREPARED BY:

JACOBS ENGINEERING GROUP, INC.
3750 NW 87 AVENUE, STE 750
MIAMI, FL 33178
PHONE NO. (305) 718 0599
CONTRACT NO. C-9815
VENDOR NO. F954081636
CERTIFICATE OF AUTHORIZATION NO. 2822

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

KEY SHEET REVISIONS	
DATE	DESCRIPTION

SIGNING AND PAVEMENT MARKING PLANS
ENGINEER OF RECORD: SHELLEY ORTIZ, PE

P.E. NO.: 63892

FISCAL YEAR	SHEET NO.
16	S-1

FDOT PROJECT MANAGER: HONG BENITEZ, PE

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

TABULATION OF QUANTITIES (FPID 430803-1-52-01)

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
			S-7		S-8		S-9		S-10		S-11		S-12		S-13		S-14		S-15		S-16						
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
700-1-11	SINGLE POST SIGN (F&I GROUND MOUNT) (UP TO 12 SF)	AS					3		2		2						1		1		1		10				
700-1-12	SINGLE POST SIGN (F&I GROUND MOUNT) (12-20 SF)	AS							1		1		2						1		1		6				
700-1-13	SINGLE POST SIGN (F&I GROUND MOUNT) (21-30 SF)	AS																									
700-1-21	SINGLE POST SIGN (F&I BARRIER MOUNT) (UP TO 12 SF)	AS															1						1				
700-1-60	SINGLE POST SIGN (REMOVE)	AS					3		3		3		3				1		2		4		19				
700-2-14	MULTI-POST SIGN (F&I GROUND MOUNT) (31-50 SF)	AS							1				1										2				
700-2-15	MULTI-POST SIGN (F&I GROUND MOUNT) (51-100 SF)	AS																									
700-2-60	MULTI-POST SIGN (REMOVE)	AS							1				1										2				
700-3-601	SIGN PANEL (REMOVE) (UP TO 12 SF)	EA															1		1				2				
705-10-1	OBJECT MARKER, TYPE 1	EA									3												3				
705-11-4	DELINEATOR, FLEXIBLE HIGH PERFORMANCE 48"	EA									51												51				
706-3	RETRO-REFLECTIVE PAVEMENT MARKER	EA	95		83		102		75		126		155		72		73		172		73		1026				
710-11-290	PAINTED PAVT MARKINGS, STD, YELLOW, ISLAND NOSE	SF	11				3				31		19						62				126				
711-11-102	THERMOPLASTIC, STD, WHITE, SOLID, 8" (URBAN ISLAND)	GM									0.021												0.021				
711-11-123	THERMOPLASTIC, STD, WHITE, SOLID, 12" (CROSSWALK)	LF									309								306				615				
711-11-124	THERMOPLASTIC, STD, WHITE, SOLID, 18" (CHEV/DIAG)	LF									34												34				
711-11-125	THERMOPLASTIC, STD, WHITE, SOLID, 24" (STOP LINE)	LF	113								283								229				625				
711-11-141	THERMOPLASTIC, STD, WHITE, 2-4 SKIP, 6"	GM									0.003												0.003				
711-11-160	THERMOPLASTIC, STD, WHITE, MESSAGE	EA																									
711-11-170	THERMOPLASTIC, STD, WHITE, ARROW	EA	4		3		3				10		2				1		10		1		34				
711-11-224	THERMOPLASTIC, STD, YELLOW, SOLID, 18" (CHEV/DIAG)	LF	21				44												6				71				
711-16-101	THERMOPLASTIC, STD OTHER SURFACES, WHITE, SOLID, 6"	GM	0.224		0.314		0.278		0.273		0.345		0.273		0.265		0.283		0.447		0.237		2.939				
711-16-102	THERMOPLASTIC, STD OTHER SURFACES, WHITE, SOLID, 8"	GM							0.024		0.259		0.080										0.363				
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM	0.208		0.560		0.576		0.552		0.356		0.536		0.544		0.576		0.278		0.556		4.742				
711-16-201	THERMOPLASTIC, STD OTHER SURFACES,YELLOW,SOLID, 6"	GM	0.149		0.273		0.313		0.273		0.222		0.267		0.265		0.266		0.259		0.266		2.553				

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TABULATION OF QUANTITIES

SHEET NO. S-2

TABULATION OF QUANTITIES (FPID 430803-1-52-01)

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
			S-17		S-18		S-19		S-20		S-21		S-22		S-23		S-24		S-25		S-26						
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
700-1-11	SINGLE POST SIGN (F&I GROUND MOUNT) (UP TO 12 SF)	AS			4		2		7				2		3		4		3		1		26				
700-1-12	SINGLE POST SIGN (F&I GROUND MOUNT) (12-20 SF)	AS			1		4		1								1		2		1		10				
700-1-13	SINGLE POST SIGN (F&I GROUND MOUNT) (21-30 SF)	AS					1																1				
700-1-21	SINGLE POST SIGN (F&I BARRIER MOUNT) (UP TO 12 SF)	AS	1		1																		2				
700-1-60	SINGLE POST SIGN (REMOVE)	AS	1		4		8		7				3		2		8		7		3		43				
700-2-14	MULTI-POST SIGN (F&I GROUND MOUNT) (31-50 SF)	AS																									
700-2-15	MULTI-POST SIGN (F&I GROUND MOUNT) (51-100 SF)	AS																	1				1				
700-2-60	MULTI-POST SIGN (REMOVE)	AS																	1				1				
700-3-601	SIGN PANEL (REMOVE) (UP TO 12 SF)	EA	1		1																		2				
705-10-1	OBJECT MARKER, TYPE 1	EA																									
705-11-4	DELINEATOR, FLEXIBLE HIGH PERFORMANCE 48"	EA																									
706-3	RETRO-REFLECTIVE PAVEMENT MARKER	EA	124		173		233		154		120		141		142		223		142		177		1629				
710-11-290	PAINTED PAVT MARKINGS, STD, YELLOW, ISLAND NOSE	SF	6		31		22		59		12		8		17		37		34		12		238				
711-11-102	THERMOPLASTIC, STD, WHITE, SOLID, 8" (URBAN ISLAND)	GM							0.014		0.002		0.002		0.003		0.047		0.013		0.003		0.084				
711-11-123	THERMOPLASTIC, STD, WHITE, SOLID, 12" (CROSSWALK)	LF	306		362		713				123		696		693						832		3725				
711-11-124	THERMOPLASTIC, STD, WHITE, SOLID, 18" (CHEV/DIAG)	LF							5								112		3				120				
711-11-125	THERMOPLASTIC, STD, WHITE, SOLID, 24" (STOP LINE)	LF	154		145		244						157		160		23				236		1119				
711-11-141	THERMOPLASTIC, STD, WHITE, 2-4 SKIP, 6"	GM	0.007				0.014														0.032		0.053				
711-11-160	THERMOPLASTIC, STD, WHITE, MESSAGE	EA			1		7		1														9				
711-11-170	THERMOPLASTIC, STD, WHITE, ARROW	EA	12		11		14		5		3		10		11		14		7		20		107				
711-11-224	THERMOPLASTIC, STD, YELLOW, SOLID, 18" (CHEV/DIAG)	LF									19		24		21						6		70				
711-16-101	THERMOPLASTIC, STD OTHER SURFACES, WHITE, SOLID, 6"	GM	0.446		0.440		0.609		0.305		0.270		0.401		0.446		0.374		0.304		0.569		4.164				
711-16-102	THERMOPLASTIC, STD OTHER SURFACES, WHITE, SOLID, 8"	GM																									
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM	0.432		0.429		0.350		0.560		0.576		0.432		0.472		0.584		0.576		0.408		4.819				
711-16-201	THERMOPLASTIC, STD OTHER SURFACES,YELLOW,SOLID, 6"	GM	0.261		0.265		0.228		0.258		0.260		0.285		0.285		0.262		0.236		0.241		2.581				

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TABULATION OF QUANTITIES

SHEET NO. S-3

TABULATION OF QUANTITIES (FPID 430803-1-52-01)

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
			S-27		S-28																						
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
700-1-11	SINGLE POST SIGN (F&I GROUND MOUNT) (UP TO 12 SF)	AS			1																		1		37		
700-1-12	SINGLE POST SIGN (F&I GROUND MOUNT) (12-20 SF)	AS	2																				2		18		
700-1-13	SINGLE POST SIGN (F&I GROUND MOUNT) (21-30 SF)	AS																							1		
700-1-21	SINGLE POST SIGN (F&I BARRIER MOUNT) (UP TO 12 SF)	AS																							3		
700-1-60	SINGLE POST SIGN (REMOVE)	AS	3		2																		5		67		
700-2-14	MULTI-POST SIGN (F&I GROUND MOUNT) (31-50 SF)	AS																							2		
700-2-15	MULTI-POST SIGN (F&I GROUND MOUNT) (51-100 SF)	AS	1																				1		2		
700-2-60	MULTI-POST SIGN (REMOVE)	AS	1																				1		4		
700-3-601	SIGN PANEL (REMOVE) (UP TO 12 SF)	EA																							4		
705-10-1	OBJECT MARKER, TYPE 1	EA																							3		
705-11-4	DELINEATOR, FLEXIBLE HIGH PERFORMANCE 48"	EA																							51		
706-3	RETRO-REFLECTIVE PAVEMENT MARKER	EA	108		55																		163		2818		
710-11-290	PAINTED PAVT MARKINGS, STD, YELLOW, ISLAND NOSE	SF			3																		3		367		
711-11-102	THERMOPLASTIC, STD, WHITE, SOLID, 8" (URBAN ISLAND)	GM																							0.105		
711-11-123	THERMOPLASTIC, STD, WHITE, SOLID, 12" (CROSSWALK)	LF																							4340		
711-11-124	THERMOPLASTIC, STD, WHITE, SOLID, 18" (CHEV/DIAG)	LF																							154		
711-11-125	THERMOPLASTIC, STD, WHITE, SOLID, 24" (STOP LINE)	LF																							1744		
711-11-141	THERMOPLASTIC, STD, WHITE, 2-4 SKIP, 6"	GM																							0.056		
711-11-160	THERMOPLASTIC, STD, WHITE, MESSAGE	EA																							9		
711-11-170	THERMOPLASTIC, STD, WHITE, ARROW	EA	10		3																		13		155		
711-11-224	THERMOPLASTIC, STD, YELLOW, SOLID, 18" (CHEV/DIAG)	LF			23																		23		164		
711-16-101	THERMOPLASTIC, STD OTHER SURFACES, WHITE, SOLID, 6"	GM	0.379		0.098																		0.477		7.580		
711-16-102	THERMOPLASTIC, STD OTHER SURFACES, WHITE, SOLID, 8"	GM																							0.363		
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM	0.575		0.160																		0.735		10.296		
711-16-201	THERMOPLASTIC, STD OTHER SURFACES,YELLOW,SOLID, 6"	GM	0.274		0.084																		0.358		5.492		

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TABULATION OF QUANTITIES

SHEET NO. S-4

TABULATION OF QUANTITIES (FPID 430803-1-52-02)

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
			S-19		S-20																						
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
700-1-11	SINGLE POST SIGN (F&I GROUND MOUNT) (UP TO 12 SF)	AS	4																				4		4		
700-1-12	SINGLE POST SIGN (F&I GROUND MOUNT) (12-20 SF)	AS	1		1																		2		2		
700-1-13	SINGLE POST SIGN (F&I GROUND MOUNT) (21-30 SF)	AS																									
700-1-21	SINGLE POST SIGN (F&I BARRIER MOUNT) (UP TO 12 SF)	AS																									
700-1-60	SINGLE POST SIGN (REMOVE)	AS																									
700-2-14	MULTI-POST SIGN (F&I GROUND MOUNT) (31-50 SF)	AS																									
700-2-15	MULTI-POST SIGN (F&I GROUND MOUNT) (51-100 SF)	AS																									
700-2-60	MULTI-POST SIGN (REMOVE)	AS																									
700-3-601	SIGN PANEL (REMOVE) (UP TO 12 SF)	EA																									
705-10-1	OBJECT MARKER, TYPE 1	EA																									
705-11-4	DELINEATOR, FLEXIBLE HIGH PERFORMANCE 48"	EA																									
706-3	RETRO-REFLECTIVE PAVEMENT MARKER	EA	12		24																		36		36		
710-11-290	PAINTED PAVT MARKINGS, STD, YELLOW, ISLAND NOSE	SF																									
711-11-102	THERMOPLASTIC, STD, WHITE, SOLID, 8" (URBAN ISLAND)	GM			0.06																		0.06		0.06		
711-11-123	THERMOPLASTIC, STD, WHITE, SOLID, 12" (CROSSWALK)	LF																									
711-11-124	THERMOPLASTIC, STD, WHITE, SOLID, 18" (CHEV/DIAG)	LF			42																		42		42		
711-11-125	THERMOPLASTIC, STD, WHITE, SOLID, 24" (STOP LINE)	LF																									
711-11-141	THERMOPLASTIC, STD, WHITE, 2-4 SKIP, 6"	GM																									
711-11-160	THERMOPLASTIC, STD, WHITE, MESSAGE	EA			5																		5		5		
711-11-170	THERMOPLASTIC, STD, WHITE, ARROW	EA			1																		1		1		
711-11-224	THERMOPLASTIC, STD, YELLOW, SOLID, 18" (CHEV/DIAG)	LF																									
711-16-101	THERMOPLASTIC, STD OTHER SURFACES, WHITE, SOLID, 6"	GM																									
711-16-102	THERMOPLASTIC, STD OTHER SURFACES, WHITE, SOLID, 8"	GM																									
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM																									
711-16-201	THERMOPLASTIC, STD OTHER SURFACES,YELLOW,SOLID, 6"	GM																									

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TABULATION OF QUANTITIES

SHEET NO. S-5

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

SIGNING & PAVEMENT MARKINGS:

1. ALL SIGNING AND PAVEMENT MARKINGS INSTALLED AS PART OF THESE PLANS SHALL CONFORM TO THE 2009 EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS, FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS. ALL SIGN PANELS SHALL BE FABRICATED TO COMPLY WITH THE MOST RECENT EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION STANDARD HIGHWAY SIGNS.

2. THE CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND THE END OF THE PROJECT AND AT ALL SIDE STREETS WITHOUT JOGS AND OFFSETS.

3. SIGN ASSEMBLY LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, WHEELCHAIR RAMPS, ETC., MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE ENGINEER. EXTREME LOCATION CHANGES MUST BE APPROVED BY THE DISTRICT TRAFFIC OPERATION DEPARTMENT.

4. INCORRECTLY PLACED THERMOPLASTIC OR PAINT MARKINGS OVER FRICTION COURSE WILL BE REMOVED BY MILLING AND REPLACING THE FRICTION COURSE A MINIMUM WIDTH OF 18 IN AT THE CONTRACTOR'S EXPENSE. THE ENGINEER MAY APPROVE AN ALTERNATIVE METHOD IF IT CAN BE DEMONSTRATED TO COMPLETELY REMOVE THE MARKINGS WITHOUT DAMAGING THE ASPHALT.

5. THE CONTRACTOR SHALL RELOCATE ALL EXISTING POST-MOUNTED STREET NAME AND STOP SIGNS TO A VISIBLE AREA UNDISTURBED BY THE CONSTRUCTION SO AS TO MINIMIZE DAMAGE TO THE SIGNS DURING CONSTRUCTION. THE STREET NAME SHALL BE REATTACHED TO THE TOP OF THE NEW STOP SIGNS ON MINOR SIDE STREETS AT THE END OF CONSTRUCTION. THE NEW STOP SIGN POST SHALL HAVE ADEQUATE LENGTH TO ACCOMMODATE THE EXISTING STREET NAMES AT THE TOP. COST OF RELOCATION AND REATTACHMENT OF STREET NAME SIGN SHALL BE PAID FOR UNDER PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.

6. EXTRUDED ALUMINUM SIGN SUPPORT CLAMPS ARE NOT ACCEPTABLE. ALL RELOCATED SIGNS MUST COMPLY WITH THE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND ROADWAY DESIGN AND TRAFFIC STANDARDS AS IF THEY WERE NEW SIGNS. IF EXISTING CLAMPS, BRACKETS, POLES, ETC. NEED TO BE REPLACED THE COST SHALL BE INCLUDED IN THE RELOCATION PAY ITEMS.

7. THE CONTRACTOR SHALL SUBMIT A LIST OF THE EXISTING SIGNS TO THE PROJECT ENGINEER AT THE PRE-CONSTRUCTION CONFERENCE. ANY LOST OR DAMAGED DURING CONSTRUCTION SIGNS SHALL BE REPLACED AT NO ADDITIONAL COST. COST OF MAINTAINING OF EXISTING SIGNS TO BE INCLUDED IN ITEM 102-1, MAINTENANCE OF TRAFFIC.

8. STOP BARS SHALL BE PLACED AT LEAST 5 FEET FROM CROSSWALKS IF TRAFFIC SIGNAL LOOPS ARE INSTALLED.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87" AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

GENERAL NOTES

SHEET NO. S-6

1" = 50'

BEGIN PROJECT
BEGIN SIGNING AND
PAVEMENT MARKING
℄ SR 823/NW 57th AVE.
STA. 271+36.22

CANAL R/W LINE

Exist. Sign
(TO REMAIN)
SPEED LIMIT 45

℄ SURVEY SR 823
& RANGE LINE

Exist. Sign
(TO REMAIN)
JCT 916

MATCH EXIST.
271+36.22

RED ROAD CANAL

LIMITS OF SIGNING
& PAV'T MARKINGS
MATCH EXIST.

10/30 SKIP 6" WHITE
W/W/R RPM'S @ 40' O/C

6" WHITE W/W/R
RPM'S @ 20' O/C

24" WHITE

274+37.81
8.66' LT

6" WHITE

269 270 271 272 273 274 275

℄ NW 142nd STREET

N.W. 142nd STREET

Exist. Sign
(TO REMAIN)
NO STANDING ANY TIME

CANAL R/W LINE

RED ROAD CANAL

6" WHITE W/W/R
RPM'S @ 20' O/C

6" WHITE

6" DBL YELLOW
W/Y/Y RPM'S
@ 40' O/C

6" YELLOW

24" WHITE

275+27
R 3'

18" YELLOW
@ 10'

274+00

24 WHITE

MATCH LINE STA. 275+60.00

S.R. 823 / NW 57th AVENUE SOUTHBOUND

S.R. 823 / NW 57th AVENUE NORTHBOUND

272+40

273+50

R/W LINE

MATCH EXIST
271+36.22

6" WHITE

10/30 SKIP 6" WHITE
W/W/R RPM'S @ 40' O/C

6" WHITE W/W/R
RPM'S @ 20' O/C

MATCH EXIST
273+88.66

MATCH EXIST
275+33.45

6" DBL YELLOW
W/Y/Y RPM'S
@ 10' O/C

6" WHITE

SPEED LIMIT 45
Exist. Sign
(TO REMAIN)

NORTH 823
Exist. Sign
(TO REMAIN)

Exist. Sign
(TO REMAIN)

N.W. 142nd STREET

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JACOBS ENGINEERING GROUP INC.
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MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.
S-7

1" = 50'

MATCH LINE STA. 275+60.00

MATCH LINE STA. 282+80.00

CANAL R/W LINE

6" WHITE W/W/R RPM'S @ 20' O/C

℄ SURVEY SR 823 & RANGE LINE

RED ROAD CANAL

6" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

276 277 278 279 280 281 282

11' 11' 11'

275+77

277+44

S.R. 823 / NW 57th AVENUE SOUTHBOUND

6" YELLOW

11' 11' 11'

S.R. 823 / NW 57th AVENUE NORTHBOUND

R/W LINE

6" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-8

1" = 50'

MATCH LINE STA. 282+80.00

MATCH LINE STA. 290+00.00

700-1-60 1 AS
Exist. Sign
(TO BE REMOVED)
SPEED LIMIT 45

700-1-11 1 AS
R2-1
30" X 36"
STA. 283+20.00
SPEED LIMIT 45

CANAL R/W LINE

℄ SURVEY SR 823
& RANGE LINE

RED ROAD CANAL

283 284 285 286 287 288 289 290

6" WHITE

6" WHITE W/W/R
RPM'S @ 20' O/C

10/30 SKIP 6" WHITE
W/W/R RPM'S @ 40' O/C

6" YELLOW

6" DBL YELLOW W/Y/Y
RPM'S @ 30 O/C

18" YELLOW @ 30'

11' 11' 11' 11' 11' 11'

10'

S.R. 823 / NW 57th AVENUE SOUTHBOUND

6" YELLOW

285+89

287+17

288+38

286+25

286+74

R 60

S.R. 823 / NW 57th AVENUE NORTHBOUND

R/W LINE

6" WHITE

MATCH EXIST.
286+18.97

MATCH EXIST.
287+16.49

10/30 SKIP 6" WHITE
W/W/R RPM'S @ 40' O/C

6" WHITE

Exist. Sign
(TO BE REMOVED)
1 AS 700-1-60

NW 57 AVE

NW 145 ST

Exist. Sign
(TO REMAIN)

N.W. 145th STREET

STOP
ONLY

Exist. Sign
(TO REMAIN)

Exist. Sign
(TO BE REMOVED)
SPEED LIMIT 45
700-1-60 1 AS

700-1-11 1 AS
R2-1
30" X 36"
STA. 283+20.00
SPEED LIMIT 45

1 AS 700-1-11
R3-4
36" X 36"
286+07.00

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REVISIONS			
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JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-9

1" = 50'

CANAL R/W LINE

RED ROAD CANAL

℄ SURVEY SR 823 & RANGE LINE

REMOVE TREE

6" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

1 AS 700-1-60 Exist. Sign (TO BE REMOVED)

1 AS 700-1-11 R2-1 30" X 36" STA. 297+07.00

SPEED LIMIT 45

SPEED LIMIT 45

290 291 292 293 294 295 296 297

MATCH LINE STA. 290+00.00

11' 11' 11'

S.R. 823 / NW 57th AVENUE SOUTHBOUND

16" WM

48" WM

S.R. 823 / NW 57th AVENUE NORTHBOUND

11'

295+93

MATCH LINE STA. 297+20.00

R/W LINE

6" WHITE

6" YELLOW

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

8" WHITE W/W/R RPM'S @ 20' O/C

700-2-14 1 AS D3-2-2 8'-6" X 4'-6" STA. 293+40.00

Miami Lakes Dr NW 150 St NEXT SIGNAL

MIAMI LAKES DR NW 150 ST NEXT SIGNAL

1 AS 700-2-60 Exist. Sign (TO BE REMOVED)

CANTILEVER SIGN 1 48" X 42" STA. 295+80.00 700-1-12 1 EA

RIGHT TWO LANES GO AT ALL TIMES

SPEED LIMIT 45

1 AS 700-1-60 Exist. Sign (TO BE REMOVED)

Exist. Sign (TO BE REMOVED) 700-1-60 1 AS

RIGHT TWO LANES GO AT ALL TIMES

SPEED LIMIT 45

700-1-11 1 AS R2-1 30" X 36" STA. 297+07.00

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JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-10

1" = 50'

Exist. Sign (TO REMAIN)
ONLY ONLY ONLY

1 AS 700-1-11 R10-11c
30" X 42"
STA. 300+77.00
26.54' LT

NO TURN ON RED EXCEPT FROM RIGHT LANE

NW 150th STREET (MIAMI LAKES DRIVE E)

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

Exist. Sign (TO BE REMOVED)
700-1-60
1 AS

700-1-12 1 AS
R3-4
36" X 36"
R3-18
36" X 36"
STA. 301+95.00

CANAL R/W LINE

RED ROAD CANAL

RED ROAD CANAL

MATCH EXIST. STA. 297+20.00

MATCH EXIST. STA. 304+20.00

℄ SURVEY SR 823 & RANGE LINE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" YELLOW

6" WHITE

6" WHITE W/W/R RPM'S @ 20' O/C

24" WHITE

6" DBL YELLOW W/Y/Y RPM'S @ 40' O/C

298 299 300 301 302 303 304

300+78.00
11.23' LT

302+14

S.R. 823 / NW 57th AVENUE SOUTHBOUND

S.R. 823 / NW 57th AVENUE NORTHBOUND

11' 11' 10' 11' 11'

10'

R 25'

12" WHITE

+74.50'
3.77' RT

2/4 SKIP 6" WHITE

300+45

301+11
43.00' RT

R 87'

R 90'

301+64

300+43

+64.03

301+24
56.68' RT

303+07

298+73

297+93

8" WHITE W/W/R RPM'S @ 20' O/C

8" WHITE

6" WHITE

R/W LINE

FLEXIBLE HIGH PERFORMANCE DELINEATOR @ 10' O/C (TYP.)

6" WHITE W/W/R RPM'S @ 20' O/C

24" WHITE

12" WHITE

24" WHITE @ 5'

18" WHITE @ 10'

8" WHITE W/W/R RPM'S @ 10' O/C

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

8" WHITE W/W/R RPM'S @ 20' O/C

RIGHT TWO LANES GO AT ALL TIMES

Exist. Sign (TO BE REMOVED)
1 AS 700-1-60

OM1-1
18" X 18"
STA. 300+82.00
705-10-1
1 EA

W1-7
48" X 24"
STA. 300+94.00
700-1-11
1 AS

Exist. Sign (TO BE REMOVED)
700-1-60
1 AS

OM1-1
18" X 18"
STA. 301+06.00
705-10-1
1 EA

OM1-1
18" X 18"
STA. 301+24.00
705-10-1
1 EA

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

A&P Consulting Transportation Engineers Corp.
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Eithel M. Sierra, P.E. No. 55401

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.
S-11

USER: Rosellm 11/23/2015 4:38:48 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\PLANSP05.dgn

1" = 50'

MATCH LINE STA. 304+20.00

MATCH LINE STA. 311+40.00

700-2-60 1 AS
Exist. Sign (TO BE REMOVED)

CANAL R/W LINE

MIAMI LAKES DR NW 150 ST NEXT SIGNAL

1 AS 700-2-14
D3-2-2
8'-6" X 4'-6"
STA. 309+60.00

Miami Lakes Dr NW 150 St NEXT SIGNAL

STA. 311+00.00
R3-18 36" X 36"
R3-4 36" X 36"
700-1-12 1 AS

Exist. Sign (TO BE REMOVED)
700-1-60 1 AS

"GATE 8" FOR OPA LOCKA EXECUTIVE AIRPORT

RED ROAD CANAL

ACCESS ROAD TO COMMERCIAL PLAZA

RED ROAD CANAL

℄ SURVEY SR 823 & RANGE LINE

305 306 307 308 309 310 311

6" WHITE

16" WM

48" WM

S.R. 823 / NW 57th AVENUE SOUTHBOUND

S.R. 823 / NW 57th AVENUE NORTHBOUND

11' 11' 11'

6" YELLOW

306+32

R/W LINE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

8" WHITE W/W/R RPM'S @ 20' O/C

42" FM

6" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" YELLOW

Exist. Sign (TO BE REMOVED)
700-1-60 1 AS

1 AS 700-1-12
R3-18 36" X 36"
R3-4 36" X 36"
STA. 310+57.00

Exist. Sign (TO BE REMOVED)
700-1-60 1 AS

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-12

USER: Roselm 11/23/2015 4:38:49 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\PLANSP06.dgn

1" = 50'

MATCH LINE STA. 311+40.00

MATCH LINE STA. 318+40.00

CANAL R/W LINE

BISCAYNE CANAL

BEGIN BRIDGE
STA. 313+99.41

END BRIDGE
STA. 314+89.17

RED ROAD CANAL

℄ SURVEY SR 823
& RANGE LINE

312 313 314 315 316 317 318

10/30 SKIP 6" WHITE
W/W/R RPM'S @ 40' O/C

6" WHITE

48" WM

16" WM

S.R. 823 / NW 57th AVENUE SOUTHBOUND

6" YELLOW

11' 11' 11'

S.R. 823 / NW 57th AVENUE NORTHBOUND

42" FM

R/W LINE

30" FM

48" FM

10/30 SKIP 6" WHITE
W/W/R RPM'S @ 40' O/C

6" WHITE

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REVISIONS			
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3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.
S-13

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1" = 50'

CANAL R/W LINE

Exist. Sign (TO BE REMOVED)
1 AS 700-3-601
SPEED LIMIT 45

700-1-21 1 AS
R2-1
30" X 36"
STA. 321+80.00
SPEED LIMIT 45

RED ROAD CANAL

℄ SURVEY SR 823 & RANGE LINE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" WHITE

319 320 321 322 323 324 325

16" WM

6" YELLOW

48" WM

S.R. 823 / NW 57th AVENUE SOUTHBOUND

11' 11' 11'

324+48

10'

S.R. 823 / NW 57th AVENUE NORTHBOUND

30" FM

MATCH LINE STA. 318+40.00

MATCH LINE STA. 325+40.00

R/W LINE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" WHITE

6" WHITE W/W/R RPM'S @ 20' O/C

SPEED LIMIT 45

700-1-11 1 AS
R2-1
30" X 36"
STA. 322+60.00

SPEED LIMIT 45

Exist. Sign (TO BE REMOVED)
700-1-60 1 AS

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3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-14

1" = 50'

R/W LINE

R/W LINE

CANAL R/W LINE

N.W. 158th STREET

℄ NW 158th STREET

31

32

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

11' 10' 12'

6" WHITE

6" WHITE W/W/R RPM'S @ 20' O/C

6" WHITE

RED ROAD CANAL

℄ SURVEY SR 823 & RANGE LINE

24" WHITE

6" DBL YELLOW W/Y/Y RPM'S @ 40' O/C

RED ROAD CANAL

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

327+23

8.55' LT

327+07

327+46.94

7.47' LT

326

6" WHITE

327

328

6" WHITE W/W/R RPM'S @ 20' O/C

6" WHITE

329

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

Exist. Sign (TO BE REMOVED FROM LIGHT POLE)

700-3-601 1 AS

PEDESTRIANS AND BICYCLES PROHIBITED

Exist. Sign (TO REMAIN)

TOW-AWAY 24 HRS ZONE

N.W. 159th STREET

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

10' 9'

19

CANAL R/W LINE

6" YELLOW

RED ROAD CANAL

6" WHITE W/W/R RPM'S @ 20' O/C

330+06.25

2.42' LT

330

6" WHITE W/W/R RPM'S @ 20' O/C

6" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

331

332

MATCH LINE STA. 325+40.00

6" DBL YELLOW

18" YELLOW

6" YELLOW

326+91

R 4'

11' 11' 11'

11' 11' 11'

11' 10'

11' 11' 11'

327+93

328+43

24" WHITE

S.R. 823 / NW 57th AVENUE SOUTHBOUND

24" WHITE

24" WHITE

331+47

330+97

6" YELLOW

12" WHITE

10'

5'

S.R. 823 / NW 57th AVENUE NORTHBOUND

329+21

329+85

24" WHITE

12" WHITE

24" WHITE

326+41

6" WHITE

6" WHITE W/W/R RPM'S @ 20' O/C

24" WHITE

326+96

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

R/W LINE

6" WHITE W/W/R RPM'S @ 20' O/C

R/W LINE

6" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" WHITE

330+63

110.57' RT

6" WHITE W/W/R RPM'S @ 20' O/C

6" DBL YELLOW W/Y/Y RPM'S @ 40' O/C

6" WHITE

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

Exist. Sign (TO REMAIN)

Exist. Sign (TO BE REMOVED)

1 AS 700-1-60

1 AS 700-1-11

R3-18

36" X 36"

STA. 329+86.00

Exist. Sign (TO BE REMOVED)

700-1-60 1 AS

R3-4

36" X 36"

R3-4

36" X 36"

700-1-12 1 AS

STA. 328+00.00

12' 10' 11'

5'

N.W. 159th STREET

32

MATCH LINE STA. 332+40.00

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3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

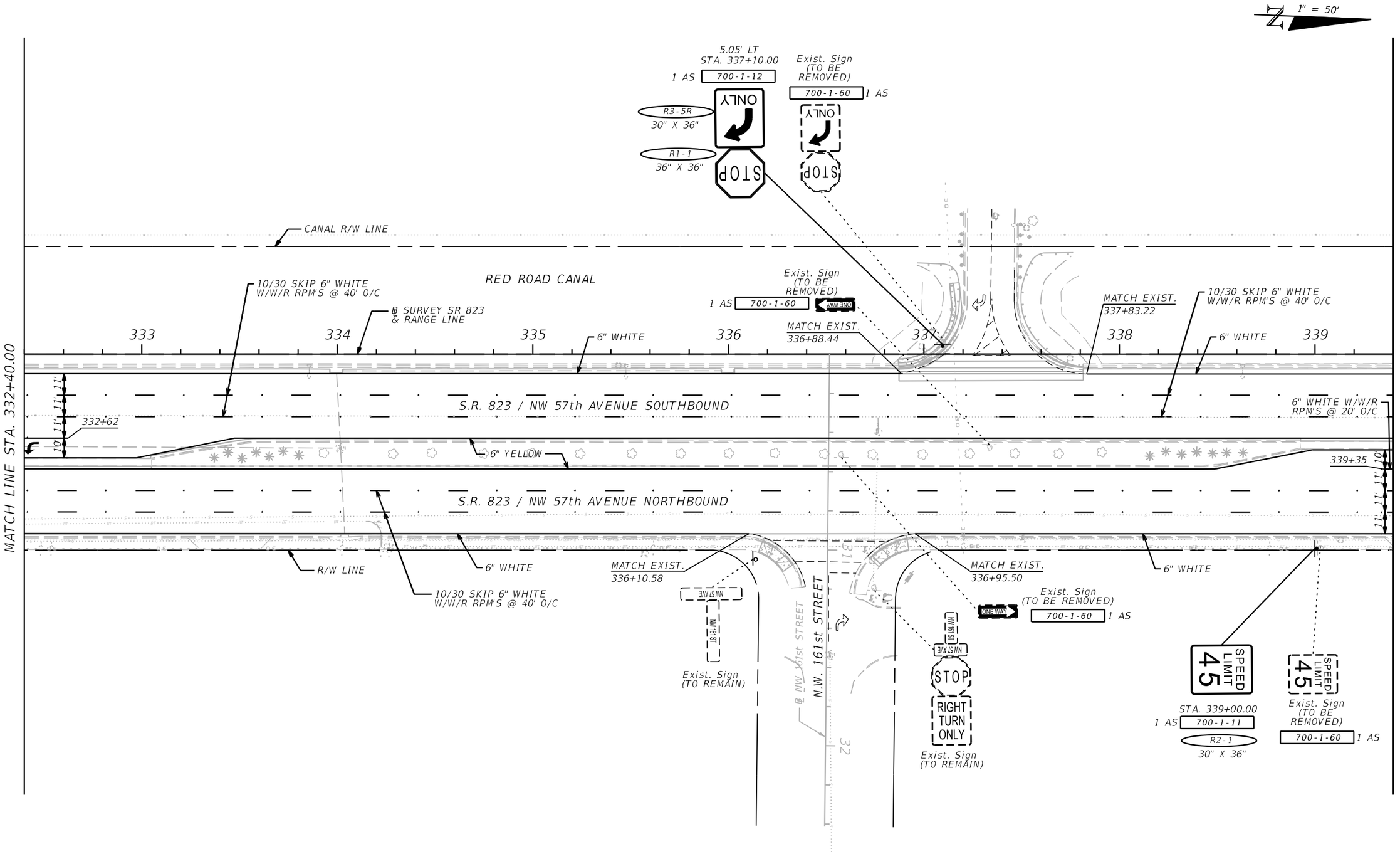
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-15

USER: Roselim 11/23/2015 4:38:52 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\PLANSP09.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.
S-16

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

1" = 50'

R/W LINE

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

6" WHITE

℄ NW 163rd STREET

N.W. 163rd STREET

R/W LINE

MATCH EXIST.

700-1-21 1 AS
R2-1
30" X 36"
STA. 340+20.00

SPEED LIMIT 45

Exist. Sign (TO BE REMOVED FROM LIGHT POLE)
700-3-601 1 AS

CANAL R/W LINE

RED ROAD CANAL

6" WHITE W/W/R RPM'S @ 20' O/C

6" DBL YELLOW W/Y/Y RPM'S @ 40' O/C

12' 12' 12'

12' 12'

24" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" WHITE W/W/R RPM'S @ 20' O/C

RED ROAD CANAL

℄ SURVEY SR 823 & RANGE LINE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" WHITE

340 341 342 343 344 345 346

343+73

343+23

342+29
3.00' LT

342+74
10.20' LT

R 60'

342+29

MATCH LINE STA. 339+40.00

S.R. 823 / NW 57th AVENUE SOUTHBOUND

11' 11' 11'

12" WHITE

24" WHITE

6" YELLOW

2/4 SKIP 6" WHITE

345+65

11' 11' 11'

342+08

10'

342+23
93.06' RT

S.R. 823 / NW 57th AVENUE NORTHBOUND

11' 11' 10'

NW 163rd STREET

12" WHITE

24" WHITE

6" WHITE

10'

5'

342+94
106.78' RT

MATCH LINE STA. 346+40.00

6" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

341+58

R/W LINE

6" WHITE W/W/R RPM'S @ 20' O/C

24" WHITE

6" DBL YELLOW W/Y/Y RPM'S @ 40' O/C

12' 10' 11'

6" WHITE W/W/R RPM'S @ 20' O/C

6" WHITE

6" WHITE

R/W LINE

6" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

14'-2"

Exist. Sign (TO REMAIN)

Exist. Sign (TO BE REMOVED)
700-1-60 1 AS

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

N.W. 163rd STREET

32

R/W LINE

R/W LINE

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-17

USER: Rosellm 11/23/2015 4:38:54 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\PLANSP11.dgn

1" = 50'

MATCH LINE STA. 346+40.00

MATCH LINE STA. 353+40.00

RED ROAD CANAL

S.R. 823 / NW 57th AVENUE SOUTHBOUND

S.R. 823 / NW 57th AVENUE NORTHBOUND

N.W. 165th TERRACE

@ NW 165th TERRACE

℄ SURVEY SR 823 & RANGE LINE

CANAL R/W LINE

L.A. R/W LINE

R/W LINE

347 348 349 350 351 352 353

348+20 349+34 349+84 350+20 100.85' RT 350+25 28.40' LT 350+53 105.21' RT 350+79 106.26' RT 350+83 99.62' RT 350+96 10.36' LT 350+99 89.34' RT 351+53 351+99

Exist. Sign (TO BE REMOVED) 700-1-21 1 AS R2-1 30" X 36" 1 AS 700-3-601 STA. 348+30.00

SPEED LIMIT 45

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

6" WHITE W/W/R RPM'S @ 20' O/C

6" WHITE

24" WHITE

12" WHITE

6" YELLOW

6" DBL YELLOW W/Y/Y RPM'S @ 40' O/C

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

11' 11' 10' 11' 11'

10' 7'

15'

12' 12'

FTP-17-06 30" X 24"

M3-3 24" X 12"

SOUTH 823

Exist. Sign (TO BE REMOVED) 700-1-60 1 AS

STA. 352+20.00 1 AS 700-1-11

M5-1L 21" X 15"

M3-4 21" X 15"

WEST 826

M5-1R 21" X 15"

M3-2 21" X 15"

EAST 826

JCT 826

Exist. Sign (TO BE REMOVED) 700-1-60 1 AS

FTP-17-06 30" X 24" 700-1-12 1 AS STA. 347+20.00

SPEED LIMIT 45 1 AS 700-1-11 R2-1 30" X 36" STA. 348+55.00

Exist. Sign (TO BE REMOVED) 700-1-60 1 AS

Exist. Sign (TO BE REMOVED) 700-1-60 1 AS 14'-2"

W12-2 36" X 36" STA. 351+30.00 700-1-11 1 AS 14'-2"

700-1-11 R3-4 36" X 36" STA. 351+10.00 1 AS

PHOTO ENFORCED INCLUDES REAR PLATE

Exist. Sign (TO REMAIN)

ONLY

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-18

USER: Rosellm 11/23/2015 4:38:56 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\PLANSP12.dgn

1" = 50'

MATCH LINE STA. 353+40.00

MATCH LINE STA. 360+40.00

CANAL R/W LINE

L.A. R/W LINE

R/W LINE

S.R. 826 / PALMETTO EXPRESSWAY

N.W. 167th STREET EB

N.W. 167th STREET WB

S.R. 823 / NW 57th AVENUE SOUTHBOUND

S.R. 823 / NW 57th AVENUE NORTHBOUND

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" WHITE W/W/R RPM'S @ 20' O/C

2/4 SKIP 6" WHITE

6" YELLOW

12" WHITE

24" WHITE

Exist. Sign (TO REMAIN)

Exist. Sign (TO BE REMOVED)

1 AS 700-1-11 STA. 355+47.00 45.28' LT
M6-1R 21" X 15"
FTP-17-06 30" X 24"
M3-3 24" X 12"

1 AS 700-1-60 Exist. Sign (TO BE REMOVED)

2 AS 700-1-11 STA. 355+49.00 STA. 356+00.00 85.50' LT
R5-1a 36" X 24"

1 AS 700-1-60 823 NORTH DO NOT ENTER

1 AS 700-1-12 STA. 356+03.00
M6-1L 21" X 15"
FTP-17-06 30" X 24"
M3-1 24" X 12"
R5-1 36" X 36"

1 AS 700-1-12 STA. 356+02.00
FTP-17-06 30" X 24"
M6-1L 21" X 15"
M3-2 24" X 12"
R3-1R 24" X 24"
EAST 826

1 AS 700-1-11 STA. 355+45.00 29.22' LT
R6-1L 36" X 12"
R5-1 36" X 36"
DO NOT ENTER WRONG WAY

1 AS 700-1-60 Exist. Sign (TO BE REMOVED) 700-1-60
DO NOT ENTER

1 AS 700-1-60 Exist. Sign (TO REMAIN)
WEST 826

1 AS 700-1-60 Exist. Sign (TO BE REMOVED) 700-1-60
DO NOT ENTER

1 AS 700-1-60 Exist. Sign (TO BE REMOVED)
FLORIDA'S TURNPIKE

1 AS 700-1-13 STA. 355+36.00
TPK-SHIELD 30" X 36"
M6-1R 21" X 15"
TO FLORIDA'S TURNPIKE
M4-5 24" X 12"
EAST 826
M3-2 24" X 12"
FTP-17-06 30" X 24"

1 AS 700-1-12 STA. 357+86.00
R3-1 24" X 24"
FTP-17-06 30" X 24"
M6-1L 21" X 15"
M3-4 24" X 12"
WEST 826

1 AS 700-1-12 STA. 357+89.00 124.51' RT
R5-1 36" X 36"
M3-3 24" X 12"
FTP-17-06 30" X 24"
M6-1L 21" X 15"
ENTER DO NOT SOUTH 823

1 AS 700-1-60 Exist. Sign (TO BE REMOVED)
ENTER DO NOT SOUTH 823

1 AS 700-1-60 Exist. Sign (TO BE REMOVED)
DO NOT ENTER

1 AS 700-1-12 STA. 360+38.00
R3-4 36" X 36"
R5-1 36" X 36"
DO NOT ENTER

STA. 357+89.00 STA. 358+42.00 154.60' RT
R5-1a 36" X 24"
WRONG WAY
700-1-11 2 AS

RIGHT TURN ON RED FROM RIGHT LANE ONLY
DO NOT BLOCK INTERSECTION

ENTER WRONG WAY
ONE WAY
NORTH 823

ONLY ONLY ONLY

DO NOT BLOCK INTERSECTION

Exist. Sign (TO REMAIN)

Exist. Sign (TO BE REMOVED)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

Exist. Sign (TO BE REMOVED)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

Exist. Sign (TO BE REMOVED)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN

1" = 50'

CANAL R/W LINE

18' WHITE AT 10' (C-C)

8" WHITE W/W/R RPM'S @ 10' O/C

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

BEGIN LANE WIDTH TRANSITION STA. 361+48.62

END LANE WIDTH TRANSITION STA. 363+03.53

R/W LINE

6" WHITE W/W/R RPM'S @ 20' O/C

MATCH LINE STA. 360+40.00

361 362 363 364 365 366 367

11' 11' 11' 12' 10' 10' 10' 11' 11' 11' 10'

+64.50 +03.42 +41.77 +42.64

826 EAST ONLY 826 EAST

R 25

S.R. 823 / NW 57th AVENUE NORTHBOUND

S.R. 823 / NW 57th AVENUE SOUTHBOUND

6" YELLOW

18' WHITE AT 10' (C-C)

6" YELLOW

364+02

6" WHITE

8" WHITE W/W/R RPM'S @ 10' O/C

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

MATCH LINE STA. 367+40.00

1 AS 700-1-11 R2-1 30" X 36" STA. 360+75.00

DO NOT ENTER

Exist. Sign (TO BE REMOVED) 700-1-60 1 AS

1 AS 700-1-11 W12-2 36" X 36" STA. 362+20.00

14'-2"

1 AS FTP-17-06 30" X 24" M3-1 24" X 12" 1 AS 700-1-11 STA. 361+45.00

823 NORTH

Exist. Sign (TO BE REMOVED) 700-1-60 1 AS

1 AS 700-1-11 R2-1 30" X 36" STA. 363+25.00

SPEED LIMIT 45

Exist. Sign (TO BE REMOVED)

1 AS 700-1-12 1 AS

1 AS 700-1-11 R2-1 30" X 36" STA. 363+25.00

SPEED LIMIT 45

Exist. Sign (TO BE REMOVED) 700-1-60 2 AS

Exist. Sign (TO REMAIN) STADIUM

1 AS 700-1-60 Exist. Sign (TO BE REMOVED)

℄ SURVEY SR 823 & RANGE LINE

1 AS 700-1-11 R3-4 36" X 36" STA. 365+00.00

1 AS 700-1-12 FTP-17-06 30" X 24" STA. 365+60.00

Exist. Sign (TO BE REMOVED) M3-4 21" X 15" M3-2 21" X 15"

UCT 826

WEST 826 M6-1R 21" X 15"

EAST 826 M6-3 21" X 15"

Exist. Sign (TO REMAIN) STOP

1 AS 700-1-11 R3-4 36" X 36" STA. 367+40.00

Exist. Sign (TO BE REMOVED) 700-1-60 1 AS

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-20

USER: Roselm 11/23/2015 4:38:58 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\PLANSP14.dgn

1" = 50'

℄ NW 171st STREET

31 32

Exist. Sign (TO REMAIN)

NO STANDING ANY TIME

Exist. Sign (TO REMAIN)

NO STANDING ANY TIME

CANAL R/W LINE

CANAL R/W LINE

Exist. Sign (TO REMAIN)

ONLY

STOP

NW 171st STREET

18" WHITE @ 10'

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

Exist. Sign (TO REMAIN)

RED ROAD CANAL

6" WHITE

368

369

MATCH EXIST. 369+87.00

370

MATCH EXIST. 370+38.00

370+48.26 10.00' RT

371

372

℄ SURVEY SR 823 & RANGE LINE

373

374

6" WHITE

6" WHITE W/W/R RPM'S @ 20' O/C

R 52'

10'

R 44'

369+76.19 10.00' RT

369+94.69 16.40' RT

370+28.96 16.40' RT

8" WHITE W/W RPM'S @ 10' O/C

370+22.00

48" WM

S.R. 823 / NW 57th AVENUE SOUTHBOUND

MATCH LINE STA. 367+40.00

MATCH LINE STA. 374+60.00

11' 11' 12'

10'

6" YELLOW

368+47.00

BEGIN LANE WIDTH TRANSITION STA. 367+41.24

6" YELLOW

END LANE WIDTH TRANSITION STA. 368+86.80

8" WHITE W/W/R RPM'S @ 10' O/C

368+98.00

12" WM

11' 11' 12'

374+49.00

12" WM

S.R. 823 / NW 57th AVENUE NORTHBOUND

6" WHITE

6" WHITE

6" WHITE

R/W LINE

MATCH EXIST. 367+49.00

MATCH EXIST. 368+55.00

20'

FRONTAGE ROAD

MATCH EXIST. 368+44.00

NW 57 AVE

NW 170 TER

STOP

Exist. Sign (TO REMAIN)

WRONG WAY

Exist. Sign (TO REMAIN)

R/W LINE

6" WHITE W/W/R RPM'S @ 20' O/C

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

SPEED LIMIT 30

Exist. Sign (TO REMAIN)

NW 170th TERRACE

NW 170th TERRACE

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-21

USER: Rosellm 11/23/2015 4:38:59 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\PLANSP15.dgn

1" = 50'

NW 173rd DRIVE

NW 173rd DRIVE

RED ROAD CANAL

CANAL R/W LINE

CANAL R/W LINE

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

Exist. Sign (TO BE REMOVED) 700-1-60 1 AS

700-1-11 1 AS R2-1 30" X 36" STA. 375+00.00

SPEED LIMIT 45

SPEED LIMIT 45

6" WHITE W/W/R RPM'S @ 20' O/C

6" WHITE

24" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" YELLOW

376+90 6.13 LT

6" WHITE W/W/R RPM'S @ 20' O/C

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

℄ SURVEY SR 823 & RANGE LINE

375 376 377 378 379 380 381

376+49 10.98 RT

376+44 13.47 RT

377+27 9.57' RT

6" WHITE

6" WHITE

12" WHITE

18" YELLOW @ 10' O/C

6" DBL YELLOW W/Y/Y RPM'S @ 10' O/C

6" WHITE W/W/R RPM'S @ 20' O/C

376+17.00

376+30

24" WHITE

12" WHITE

377+97.00

379+21.00

377+32.00

6" YELLOW

375+83.00

375+83.00

375+72.00

376+46 105.00' RT

377+15 103.26' RT

377+01 117.14' RT

12" WHITE

12" WHITE

S.R. 823 / NW 57th AVENUE SOUTHBOUND

S.R. 823 / NW 57th AVENUE NORTHBOUND

MATCH LINE STA. 374+60.00

MATCH LINE STA. 381+80.00

R/W LINE

FRONTAGE ROAD

MATCH EXIST. 376+23.00

376+58 120.43' RT

6" WHITE

R/W LINE

6" WHITE

24" WHITE

379+57 116.76' RT

6" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

Exist. Sign (TO BE REMOVED) 1 AS 700-1-60

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

8" WHITE W/W/R RPM'S @ 10' O/C

376+73 124.27' RT

24" WHITE

6" DBL YELLOW W/Y/Y RPM'S @ 40' O/C

6" WHITE W/W/R RPM'S @ 20' O/C

R/W LINE

6" DBL YELLOW W/Y/Y RPM'S @ 40' O/C

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

NW 174th DRIVE

NW 5TH AVE

NW 1ST AVE

6" WHITE

STOP

ONLY

Exist. Sign (TO REMAIN)

STOP

Exist. Sign (TO REMAIN)

Exist. Sign (TO BE REMOVED) 700-1-60 1 AS

SPEED LIMIT 45

SPEED LIMIT 45

700-1-11 1 AS R2-1 30" X 36" STA. 375+00.00

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

R/W LINE

NO THRU TRUCKS

Exist. Sign (TO REMAIN)

NW 173rd DRIVE

NW 174th DRIVE

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-22

USER: RoselIm 11/23/2015 4:39:01 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\PLANSP16.dgn

1" = 50'

NW 176th STREET

℄ NW 176th STREET

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

CANAL R/W LINE

CANAL R/W LINE

RED ROAD CANAL

RED ROAD CANAL

℄ SURVEY SR 823 & RANGE LINE

6" WHITE

6" WHITE W/W/R RPM'S @ 20' O/C

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" YELLOW

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" WHITE

6" WHITE W/W/R RPM'S @ 20' O/C

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

NO TURN ON RED

700-1-11

R10-11B

36" X 36"

STA. 385+26.00

15.00' LT

1 AS

385+44

1.64' RT

386+04

11.05' LT

386+20

1.70' RT

382 383 384 385 386 387 388 389

385+31

15.78' RT

12" WHITE

24" WHITE

6" WHITE

388+67.00

386+78.00

387+51.00

6" YELLOW

12" WHITE

6" DBL YELLOW W/Y/Y RPM'S @ 10' O/C

18" YELLOW @ 10'

S.R. 823 / NW 57th AVENUE SOUTHBOUND

MATCH LINE STA. 381+80.00

MATCH LINE STA. 389+00.00

382+26.00

S.R. 823 / NW 57th AVENUE NORTHBOUND

384+74.00

385+24.00

24" WHITE

386+30.00

8" WHITE W/W/R RPM'S @ 10' O/C

388+80.00

386+27

99.85' RT

386+64.00

386+78.00

12" WHITE

6" WHITE

24" WHITE

12" WHITE

6" WHITE

R/W LINE

R/W LINE

MATCH EXIST. 386+30.00

383+02

104.55' RT

6" DBL YELLOW W/W/R RPM'S @ 40' O/C

6" WHITE

383+59

104.55' RT

6" WHITE W/W/R RPM'S @ 20' O/C

385+39

104.13' RT

6" WHITE

385+54

120.57' RT

6" WHITE

385+94

121.07' RT

FRONTAGE ROAD

20'

6" WHITE W/W/R RPM'S @ 20' O/C

R/W LINE

R/W LINE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

24" WHITE

385+74.00

125.82' RT

6" WHITE

6" DBL YELLOW W/W/R RPM'S @ 40' O/C

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

℄ NW 175th STREET

NW 175th STREET

NW 176th STREET

℄ NW 176th STREET

NW 1ST AVE

NW 1ST ST

ONE WAY

Exist. Sign (TO BE REMOVED)

700-1-60

1 AS

Exist. Sign (TO BE REMOVED)

700-1-60

1 AS

STOP

ONLY

Exist. Sign (TO REMAIN)

1 AS

700-1-11

R3-4

24" X 24"

STA. 385+05.00

NO TURN ON RED

700-1-11

1 AS

R10-11B

36" X 36"

STA. 385+46.00

122' RT

WRONG WAY

Exist. Sign (TO REMAIN)

SPEED LIMIT 30

Exist. Sign (TO REMAIN)

NO PARKING ANY TIME

Exist. Sign (TO REMAIN)

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-23

USER: Roselim 11/23/2015 4:39:02 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\PLANSP17.dgn

1" = 50'

1 AS 700-1-11 R2-1 30" X 36" STA. 390+20.00

1 AS 700-1-12 STA. 392+05.00

R3-5R 30" X 36"

R1-1 36" X 36"

Exist. Sign (TO BE REMOVED) 700-1-60 1 AS

1 AS 700-1-11 R3-4 36" X 36" STA. 396+16.00

CANAL R/W LINE

Exist. Sign (TO BE REMOVED) 1 AS 700-1-60

RED ROAD CANAL

NW 177th STREET

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" DBL YELLOW W/Y/Y RPM'S @ 40' O/C

392+09.00 4.04' LT

392+44.00 24.47' LT

Exist. Sign (TO BE REMOVED) 1 AS 700-1-60

8" WHITE W/W/R RPM'S @ 10' O/C

6" WHITE W/W/R RPM'S @ 20' O/C

6" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

Exist. Sign (TO BE REMOVED) 1 AS 700-1-60

389 ℄ SURVEY SR 823 & RANGE LINE 390 391 392 393 394 395 396

MATCH LINE STA. 389+00.00

MATCH LINE STA. 396+20.00

Exist. Sign (TO BE REMOVED) 1 AS 700-1-60

24" WHITE

R 68

15

392+45.00

18" WHITE @ 10'

392+85.00

11' 12' 11'

S.R. 823 / NW 57th AVENUE SOUTHBOUND

392+64.00

392+24.00

8" WHITE W/W/R RPM'S @ 10' O/C

392+81.00

395+56.00

6" YELLOW

392+10.00

18" WHITE @ 10'

6" YELLOW

394+18.00

10'

11' 11' 12'

391+91.00

MATCH EXIST. 392+96.00

MATCH EXIST. 393+00.00

393+28.00

8" WHITE W/W/R RPM'S @ 10' O/C

6" WHITE

8" WHITE W/W/R RPM'S @ 10' O/C

395+75.00

S.R. 823 / NW 57th AVENUE NORTHBOUND

391+36.00

8" WHITE W/W/R RPM'S @ 10' O/C

392+50.00

391+49.00

6" WHITE

393+41.00

6" WHITE

6" WHITE

395+64.00

6" WHITE

R/W LINE

20'

FRONTAGE ROAD

MATCH EXIST. 391+93.00

MATCH EXIST. 391+98.00

20'

FRONTAGE ROAD

R/W LINE

MATCH EXIST. 396+16.00

MATCH EXIST. 396+19.00

R/W LINE

6" WHITE W/W/R RPM'S @ 20' O/C

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

NO PARKING TOW-AWAY ZONE

Exist. Sign (TO REMAIN)

1 AS 700-1-11 R2-1 30" X 36" STA. 391+20.00

Exist. Sign (TO BE REMOVED) 700-1-60 1 AS

Exist. Sign (TO BE REMOVED) 700-1-60 1 AS

1 AS 700-1-11 R1-1 36" X 36" STA. 391+69.00 113.55' RT

NW 178th STREET

NW 178th STREET

ONE WAY

NW 1ST AVE

NW 1ST AVE

Exist. Sign (TO BE REMOVED) 700-1-60 1 AS

Exist. Sign (TO REMAIN)

WRONG WAY

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

Exist. Sign (TO REMAIN)

OUTLET ONLY

Exist. Sign (TO REMAIN)

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-24

USER: RoselIm 11/23/2015 4:39:03 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\PLANSP18.dgn

1" = 50'

CANAL R/W LINE

RED ROAD CANAL

6" WHITE W/W/R RPM'S @ 20' O/C

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

℄ SURVEY SR 823 & RANGE LINE

6" WHITE

397 398 399 400 401 402 403

MATCH LINE STA. 396+20.00

MATCH LINE STA. 403+40.00

6" YELLOW

10' 11' 11' 12'

397+23.00

398+46.00

S.R. 823 / NW 57th AVENUE SOUTHBOUND

6" YELLOW

399+72.00

S.R. 823 / NW 57th AVENUE NORTHBOUND

8" WHITE W/W/R RPM'S @ 10' O/C

MATCH EXIST. 397+27.00

397+62.00

397+72.00

6" WHITE

MATCH EXIST. 397+18.00

20'

FRONTAGE ROAD

R/W LINE

R/W LINE

NW 179th TERRACE

℄ NW 179th TERRACE

NW 1ST AVE

NW 179 TER

STOP

Exist. Sign (TO REMAIN)

WRONG WAY

Exist. Sign (TO BE REMOVED)

700-1-60 2 AS

1 AS 700-1-60

SOUTH 823

Exist. Sign (TO BE REMOVED)

1 AS 700-1-11

R2-1

30" X 36"

STA. 402+00.00

SPEED LIMIT 45

1 AS 700-1-60

SPEED LIMIT 45

Exist. Sign (TO BE REMOVED)

700-1-12 1 AS

R3-5

30" X 36"

R1-1

36" X 36"

STA. 402+00.00

Exist. Sign (TO BE REMOVED)

700-1-60 1 AS

STOP

ONLY

MATCH EXIST. 403+34.00

1 AS 700-1-11

R3-4

36" X 36"

STA. 403+20.00

1 AS 700-1-11

M3-3

24" X 12"

FTP-17-06

30" X 24"

SOUTH 823

Exist. Sign (TO BE REMOVED)

700-1-60 1 AS

ONE WAY

MATCH EXIST. 402+42.00

8" WHITE W W/R RPMS 10' (C-C)

18' WHITE AT 10' (C-C)

6" YELLOW

402+75.00

FTP-17-06

30" X 24"

M6-1L

21" X 15"

WEST 860

M3-4

24" X 12"

M6-1R

21" X 15"

EAST 860

M3-2

24" X 12"

FTP-17-06

30" X 24"

700-1-12 1 AS

STA. 399+00.00

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" WHITE W/W/R RPM'S @ 20' O/C

JCT 860

Exist. Sign (TO BE REMOVED)

1 AS 700-1-60

Miami Gardens Dr NW 183 St NEXT SIGNAL

MIAMI GARDENS DR NEXT SIGNAL

Exist. Sign (TO BE REMOVED)

700-2-60 1 AS

D3-2-3

14'-0" X 5'-6"

STA. 403+10.00

1 AS 700-2-15

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REVISIONS			
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JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-25

1" = 50'

S.R. 860 / NW 183rd STREET (MIAMI GARDENS DRIVE)

Exist. Sign (TO REMAIN) — RIGHT LANE MUST TURN RIGHT

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

6" WHITE

Exist. Sign (TO REMAIN) — DO NOT BLOCK INTERSECTION

10' 11' 11' 11' 11' 10'

6" YELLOW

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

Exist. Sign (TO REMAIN) — DO NOT BLOCK INTERSECTION

CANAL R/W LINE

RED ROAD CANAL

Exist. Sign (TO BE REMOVED) — RIGHT LANE MUST TURN RIGHT — 700-1-60 — 1 AS

6" WHITE W/W/R RPM'S @ 20' O/C

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

℄ SURVEY SR 823 & RANGE LINE

408+06.00 18.11' LT

6" WHITE

407+95.00 1.51' LT

6" WHITE W/W/R RPM'S @ 20' O/C

6" WHITE

409+14.00 16.85' LT

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" WHITE W/W/R RPM'S @ 20' O/C

6" WHITE

6" WHITE

404 405 406 407 408 409 410

10' 11' 11' 11' 11' 10'

6" DBL YELLOW

18" YELLOW

24" WHITE

12" WHITE

404+56.00

12" WHITE

409+30.00 0.28' RT

2/4 SKIP 6" WHITE

24" WHITE

409+95.00

S.R. 823 / NW 57th AVENUE SOUTHBOUND

11' 11' 12'

407+79.00

6" YELLOW

405+05.00

R 95' R 85' R 80' R 92'

10' 5'

24" WHITE

2/4 SKIP 6" WHITE

409+45.00

6" YELLOW

404+55.00

8" WHITE W/W/R RPM'S @ 10' O/C

407+29.00

S.R. 823 / NW 57th AVENUE NORTHBOUND

11' 11' 11' 10'

12' 11' 11'

5' 10'

R/W LINE

6" WHITE

405+59.00

405+72.00

MATCH EXIST. 406+00.00

12" WHITE

6" WHITE

24" WHITE

6" WHITE

409+30.00 111.39' RT

409+21.00 125.66' RT

6" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

R/W LINE

FRONTAGE ROAD

20'

6" WHITE

6" WHITE W/W/R RPM'S @ 20' O/C

407+93.00 102.54' RT

408+13.00 123.78' RT

Exist. Sign (TO REMAIN) — DO NOT BLOCK INTERSECTION

6" WHITE

10' 11' 11' 11' 11' 10'

Exist. Sign (TO REMAIN) — DO NOT BLOCK INTERSECTION

Exist. Sign (TO REMAIN) — STADIUM

Exist. Sign (TO BE REMOVED) — WEST 860 / EAST 860

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

SPEED LIMIT 45

1 AS — 700-1-11 — R2-1 — 30" X 36"

STA. 404+15.00

Exist. Sign (TO BE REMOVED) — SPEED LIMIT 45 — 700-1-60 — 1 AS

Exist. Sign (TO REMAIN) — STADIUM

Exist. Sign (TO REMAIN) — STOP

1 AS — 700-1-60 — FTP-17-06 — 30" X 24"

M6-1L — 21" X 15" — WEST 860 — M3-4 — 24" X 12"

M6-1R — 21" X 15" — EAST 860 — M3-2 — 24" X 12"

FTP-17-06 — 30" X 24"

1 AS — 700-1-12

STA. 407+06.00

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

6" YELLOW

6" WHITE W/W/R RPM'S @ 20' O/C

Exist. Sign (TO REMAIN) — SPEED LIMIT 45

S.R. 860 / NW 183rd STREET (MIAMI GARDENS DRIVE)

Exist. Sign (TO REMAIN) — DO NOT BLOCK INTERSECTION

LIMITS OF SIGNING & PAV'T MARKINGS MATCH EXIST.

Exist. Sign (TO REMAIN) — RIGHT LANE MUST TURN RIGHT

Exist. Sign (TO REMAIN) — SOUTH 823 / NORTH 823

MATCH LINE STA. 403+40.00

MATCH LINE STA. 410+60.00

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REVISIONS			
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JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-26

USER: Rosellm 11/23/2015 4:39:05 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\PLANSP20.dgn

1" = 50'

700-1-12 1 AS
STA. 413+45.00
FTP-17-06
30" X 24"
M3-2
24" X 12"
EAST 860
M6-1R
21" X 15"
M3-4
24" X 12"
WEST 860
M6-1L
21" X 15"
FTP-17-06
30" X 24"

Exist. Sign (TO REMAIN)
STOP

CANAL R/W LINE

Exist. Sign (TO BE REMOVED)
1 AS 700-2-60
MIAMI GARDENS DR NEXT SIGNAL

Miami Gardens Dr
NW 183 St
NEXT SIGNAL

700-2-15 1 AS
D3-2-3
14'-0" X 5'-6"
STA. 415+60.00

MATCH LINE STA. 410+60.00

RED ROAD CANAL

6" WHITE

6" WHITE W/W/R RPM'S @ 20' O/C

MATCH EXIST.
412+40.00

MATCH EXIST.
413+38.00

WEST 860
EAST 860

Exist. Sign (TO BE REMOVED)
700-1-60 1 AS

℄ SURVEY SR 823 & RANGE LINE

411 412 413 414 415 416 417

RED ROAD CANAL

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

6" WHITE

MATCH LINE STA. 417+80.00

S.R. 823 / NW 57th AVENUE SOUTHBOUND

414+66.00

412+22.00

10' 11' 11' 11'

6" YELLOW

S.R. 823 / NW 57th AVENUE NORTHBOUND

11' 12' 11' 11'

414+11.54

412+58.00

6" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

R/W LINE

6" WHITE W/W/R RPM'S @ 20' O/C

MATCH EXIST
414+11.73

BEGIN LANE WIDTH TRANSITION
413+50.73

15' 15'

MATCH EXIST
414+85.12

Exist. Sign (TO BE REMOVED)
ONE WAY
700-1-60 1 AS

6" WHITE

10/30 SKIP 6" WHITE W/W/R RPM'S @ 40' O/C

NAVAL AND MARINE CORPS RESERVE CENTER

Exist. Sign (TO BE REMOVED)
1 AS 700-1-60

SIGN 2
48" X 42"
700-1-12 1 AS
STA. 416+87.00

STOP
ONLY
Exist. Sign (TO REMAIN)

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87" AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.
S-27

USER: Rosellm 11/23/2015 4:39:07 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\PLANSP21.dgn

1" = 50'

END PROJECT
END SIGNING AND
PAVEMENT MARKING
MATCH EXIST.
℄ SR 823/NW 57th AVE.
STA. 419+62.46

FTP-17-06
1 AS 700-1-11 30" X 24"
M2-1 21" X 15"
STA. 419+05.00
JCT 860

Exist. Sign
(TO REMAIN)
STOP

NW 186th STREET

Exist. Sign
(TO REMAIN)
RED RD
NW 57 AVE
NW 186 ST
NO THRU TRUCKS

CANAL R/W LINE

RED ROAD CANAL

Exist. Sign
(TO BE REMOVED)
1 AS 700-1-60
JCT 860

Exist. Sign
(TO REMAIN)

RED ROAD CANAL

10/30 SKIP 6" WHITE
W/W/R RPM'S @ 40' O/C

418 419 420 421 422 423 424

℄ SURVEY SR 823
& RANGE LINE

6" WHITE

6" DBL YELLOW
W/Y/Y RPM'S
@ 10" O/C

6" YELLOW

419+28.00

R 4'

11' 11' 11' 11' 10'

418+12.00

MATCH LINE STA. 417+80.00

S.R. 823 / NW 57th AVENUE SOUTHBOUND

S.R. 823 / NW 57th AVENUE NORTHBOUND

6" WHITE

6" WHITE W/W/R
RPM'S @ 20' O/C

10/30 SKIP 6" WHITE
W/W/R RPM'S @ 40' O/C

END LANE
WIDTH TRANSITION
418+11.60

18" YELLOW
@ 10'

STOP

Exist. Sign
(TO BE REMOVED)
700-1-60 1 AS

R/W LINE

NW 189 ST
NEXT SIGNAL

Exist. Sign
(TO REMAIN)

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

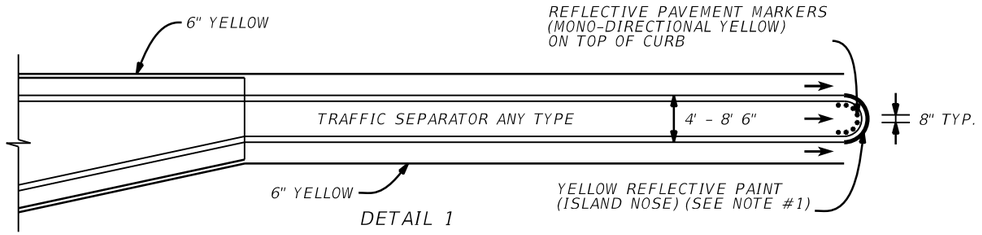
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

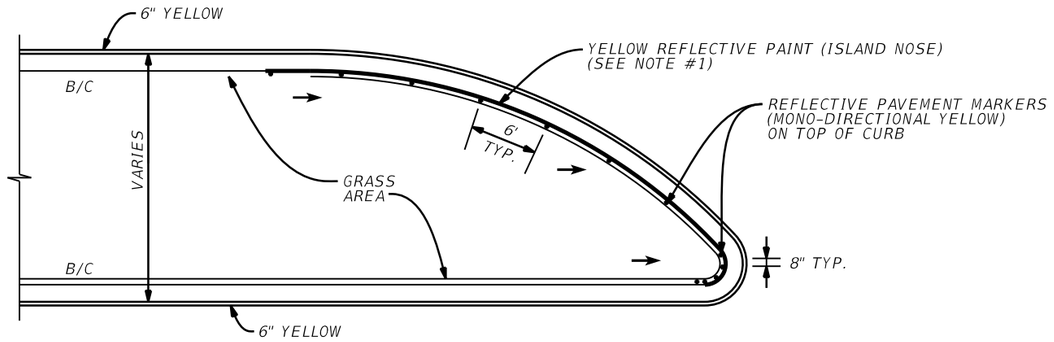
SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.
S-28

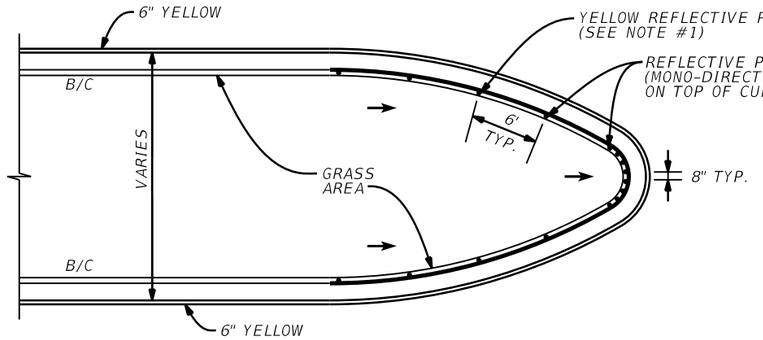
USER: Roselim 11/23/2015 4:39:08 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\PLANSP22.dgn



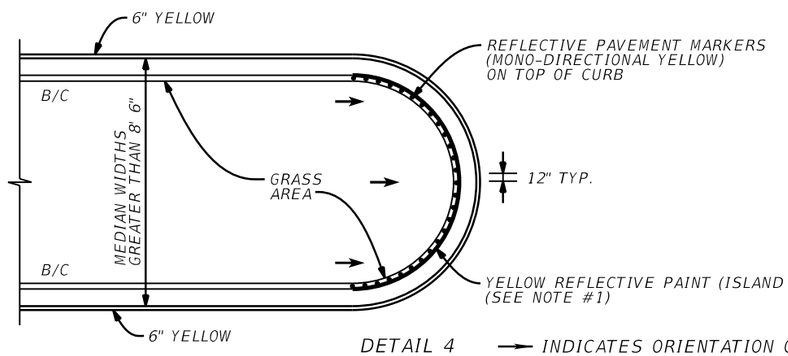
DETAIL 1



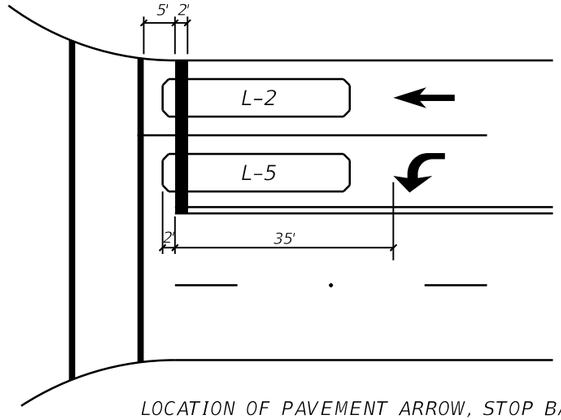
DETAIL 2



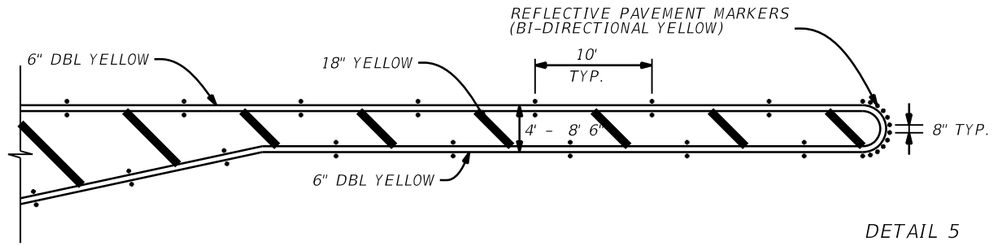
DETAIL 3



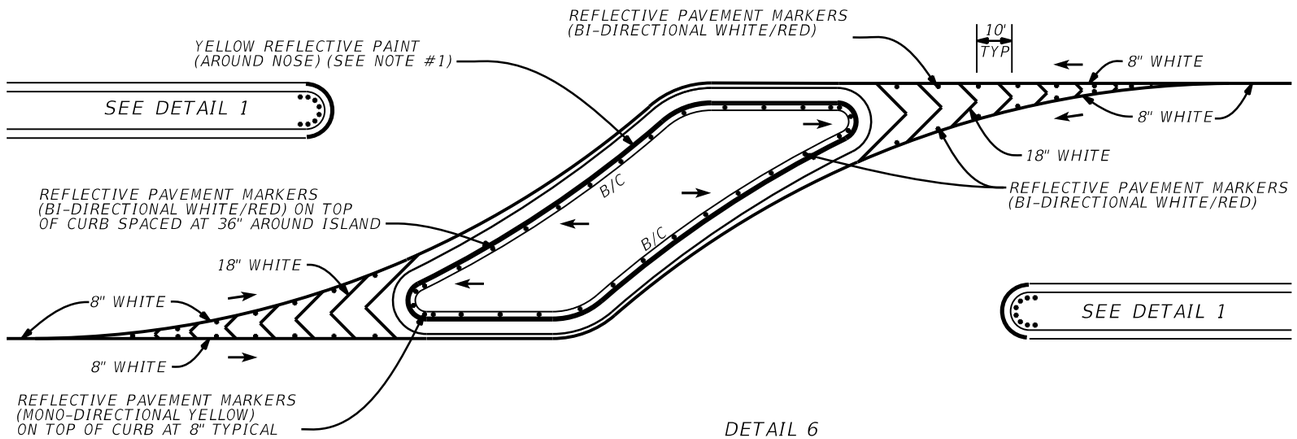
DETAIL 4 → INDICATES ORIENTATION OF RPM'S



LOCATION OF PAVEMENT ARROW, STOP BAR
AND LOOPS AT SIGNALIZED INTERSECTIONS
(NOTE: PAVEMENT ARROWS SHALL NOT OVERLAP LOOPS)



DETAIL 5



DETAIL 6

NOTES:

1. FURNISH AND INSTALL REFLECTIVE PAINT ON THE FACE OF CURB FOR THE LIMITS SHOWN IN THE ABOVE DETAILS.
2. FOR TYPE "E" CURB INSTALL RPM'S ALONG THE PAVEMENT EDGE MARKING USING THE SAME SPACING SHOWN.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87" AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SPECIAL MARKING DETAILS

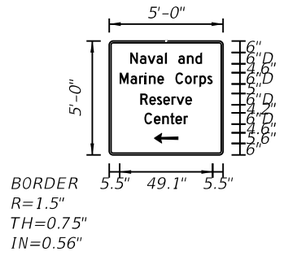
SHEET NO. S-29

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

SIGN NAME	Sign 2	QTY	1	SIGN NUMBER	STATION(S)
PANEL		BORDER			416+87.00
WIDTH	5'-0"	WIDTH	0.75"		
HEIGHT	5'-0"	RADII	1.5"		
LEGEND	White	COLOR	White		
COLOR	Green				

SYMBOL(S)	ANGLE	X	Y	WID	HT
AR_Type A	90	23.6	6	5.6	12.9						

SIGN NUMBER		CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH



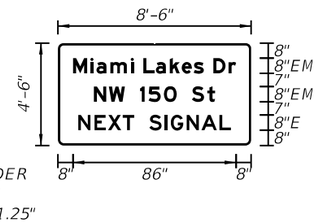
NO. OF LIGHT FIXTURES		FIXTURE SPACING		PHOTOMETRIC CURVE		WATT		VOLTAGE	

COPY		N	a	v	a	l		a	n	d		L											
SPACE	11	5.1	4.1	4.7	4.6	1	6	4.6	4.4	3.6	11	38											
COPY		M	a	r	i	n	e		C	o	r	p	s		L								
SPACE	5.5	5.7	4.6	3	2.2	4.4	3.5	6	5	4.6	3	4.2	2.8	5.5	49.1								
COPY		R	e	s	e	r	v	e		L													
SPACE	16.4	4.7	4	3.4	4.4	2.5	4.7	3.5	16.4	27.3													
COPY		C	e	n	t	e	r		L														
SPACE	18.5	5	4.4	4.1	2.8	4.4	2.3	18.5	23														
COPY																							
SPACE																							
COPY																							
SPACE																							

SIGN NAME	D3-2-2	QTY	2	SIGN NUMBER	STATION(S)
PANEL		BORDER			293+40.00
WIDTH	8'-6"	WIDTH	1.25"		309+60.00
HEIGHT	4'-6"	RADII	3"		
LEGEND	White	COLOR	White		
COLOR	Green				

SYMBOL(S)	ANGLE	X	Y	WID	HT

SIGN NUMBER		CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH



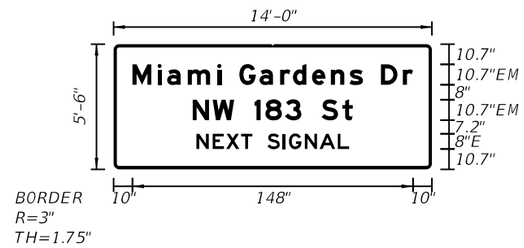
NO. OF LIGHT FIXTURES		FIXTURE SPACING		PHOTOMETRIC CURVE		WATT		VOLTAGE	

COPY		M	i	a	m	i		L	a	k	e	s		D	r		L						
SPACE	8	9.2	3.2	7.3	10.8	1.6	5.1	6.6	7.3	6.4	6.3	5.3	5.1	8	4	8	86						
COPY		N	W		1	5	0		S	t		L											
SPACE	19	7.9	8.5	8	4.4	8.2	6.7	8	8.2	4.2	19	64											
COPY		N	E	X	T		S	I	G	N	A	L		L									
SPACE	10.7	8.6	7.1	7.8	6	8	8.1	3.3	8.3	7.8	9.5	6	10.7	80.6									
COPY																							
SPACE																							
COPY																							
SPACE																							
COPY																							
SPACE																							

SIGN NAME	D3-2-3	QTY	2	SIGN NUMBER	STATION(S)
PANEL		BORDER			403+10.00
WIDTH	14'-0"	WIDTH	1.75"		415+60.00
HEIGHT	5'-6"	RADII	3"		
LEGEND	White	COLOR	White		
COLOR	Green				

SYMBOL(S)	ANGLE	X	Y	WID	HT

SIGN NUMBER		CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH



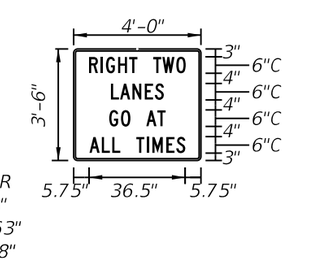
NO. OF LIGHT FIXTURES		FIXTURE SPACING		PHOTOMETRIC CURVE		WATT		VOLTAGE	

COPY		M	l	a	m	l		G	a	r	d	e	n	s		D	r		L				
SPACE	10	13.2	5.1	10.9	15.6	2.1	9.5	10.7	10.9	6.8	10	10	9.8	7.1	9.5	11.5	5.3	10	148				
COPY		N	W		1	8	3		S	t		L											
SPACE	41.7	10.6	11.3	10.7	5.8	10.3	8.7	10.7	10.9	5.6	41.7	84.5											
COPY		N	E	X	T		S	I	G	N	A	L		L									
SPACE	43.7	8.6	7.1	7.8	6	8	8.1	3.3	8.3	7.8	9.5	6	43.7	80.6									
COPY																							
SPACE																							
COPY																							
SPACE																							
COPY																							
SPACE																							

SIGN NAME	SIGN 1	QTY	2	SIGN NUMBER	STATION(S)
PANEL		BORDER			295+80.00
WIDTH	4'-0"	WIDTH	0.63"		297+65.00
HEIGHT	3'-6"	RADII	1.13"		
LEGEND	Black	COLOR	Black		
COLOR	White				

SYMBOL(S)	ANGLE	X	Y	WID	HT

SIGN NUMBER		CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH



NO. OF LIGHT FIXTURES		FIXTURE SPACING		PHOTOMETRIC CURVE		WATT		VOLTAGE	

COPY		R	I	G	H	T		T	W	O		L											
SPACE	5.8	4.4	2	4.6	4.2	3.1	6	3.4	5.3	3.5	5.8	36.5											
COPY		L	A	N	E	S		L															
SPACE	14	3.4	4.7	4.7	3.8	3.4	14	19.9															
COPY		G	O		A	T		L															
SPACE	13.4	4.4	3.5	6	4.2	3.1	13.4	21.2															
COPY		A	L	L		T	I	M	E	S		L											
SPACE	5.9	4.7	3.9	3.1	6	3.9	2.2	5.3	3.8	3.4	5.9	36.1											
COPY																							
SPACE																							
COPY																							
SPACE																							

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

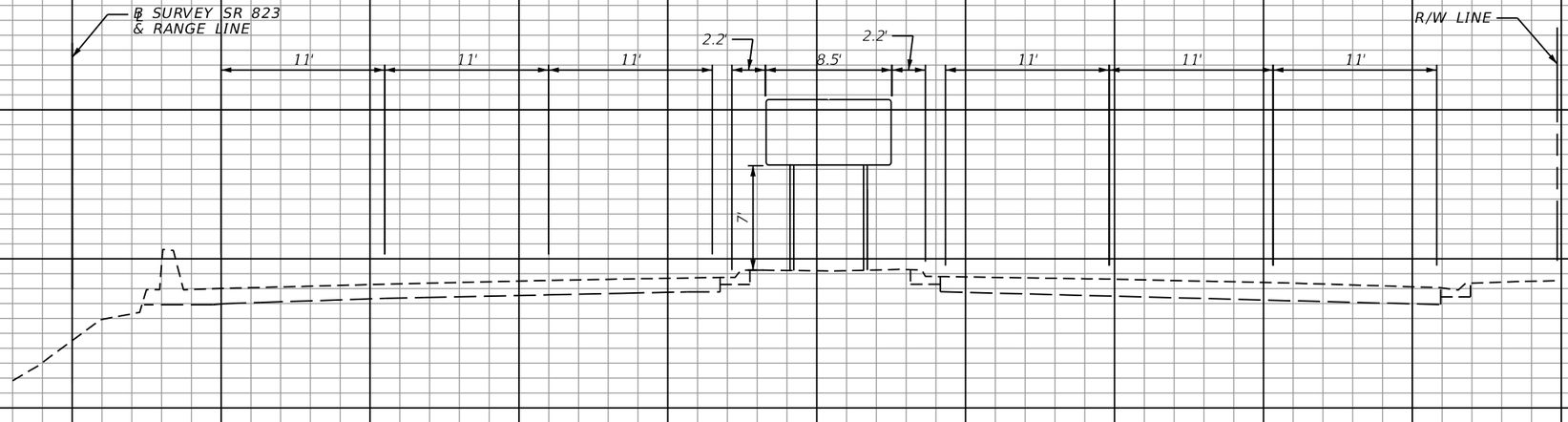
ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

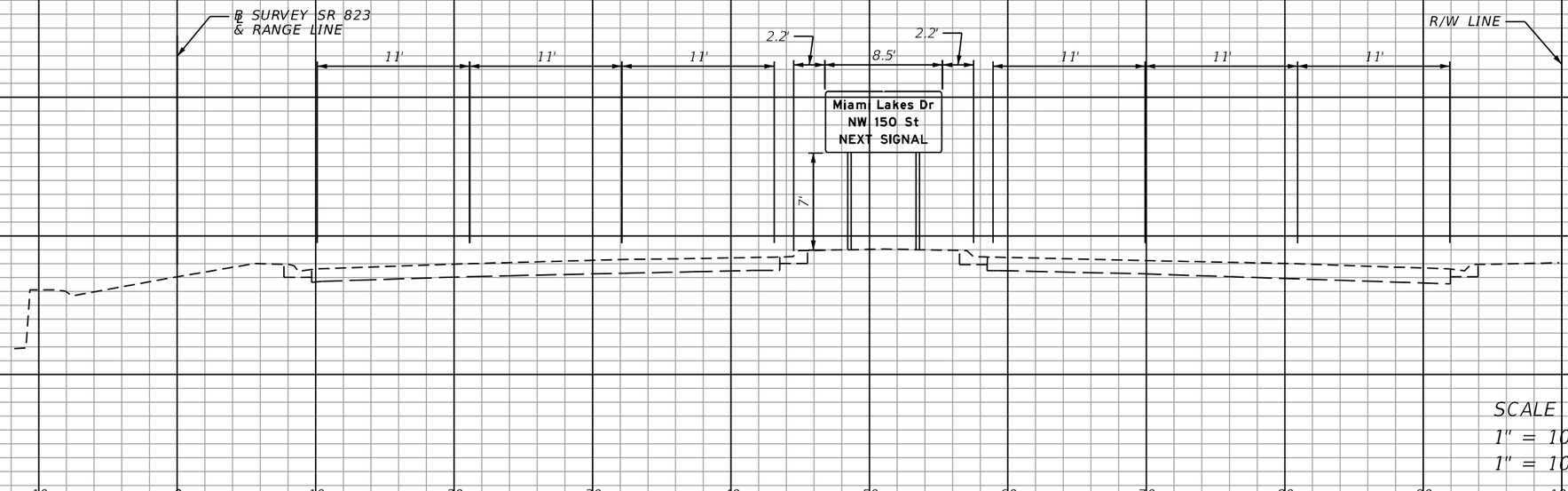
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

GUIDE SIGN WORKSHEET

SHEET NO. S-30



SIGN D3-2-2
9'-0" X 4'-6"
STA. 309+60.00



SIGN D3-2-2
9'-0" X 4'-6"
STA. 293+40.00

SCALE
1" = 10' Horizontal
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

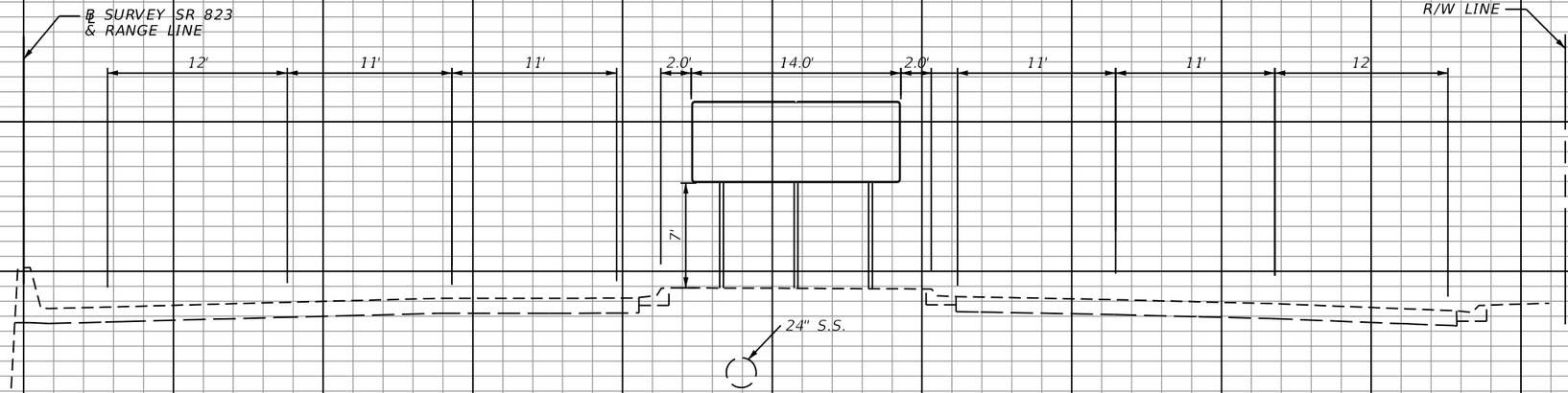
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGN CROSS SECTIONS

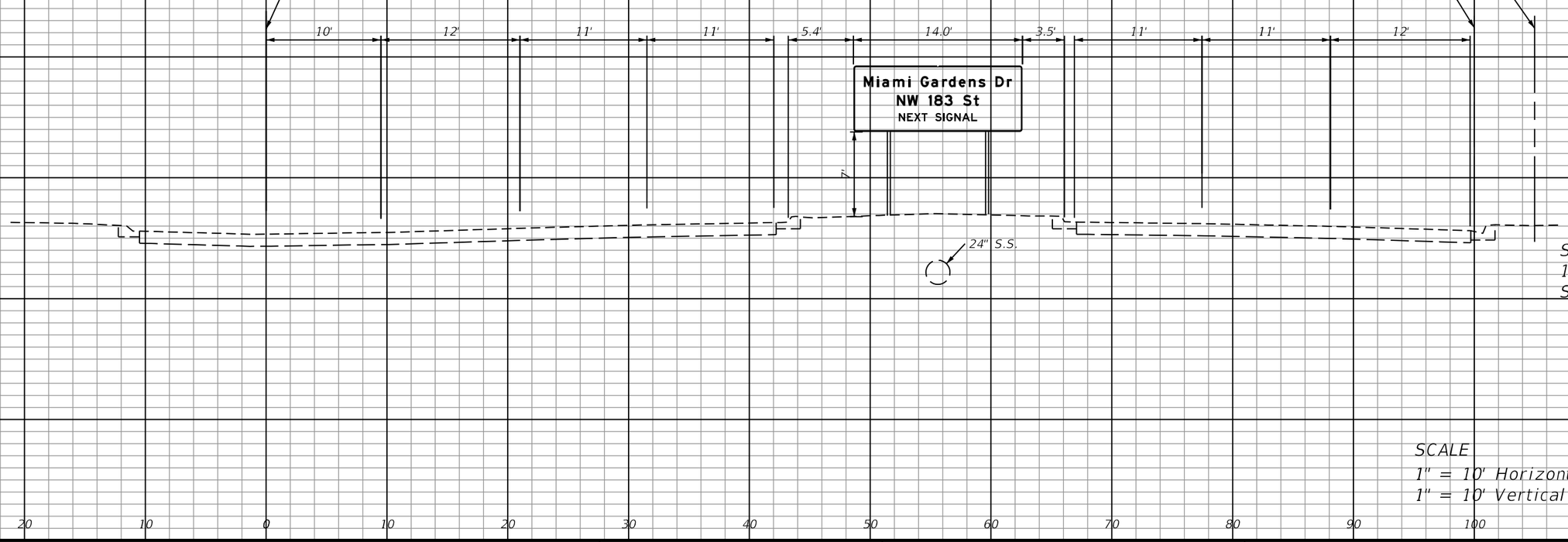
SHEET NO. S-31

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

USER: Rosellm 11/23/2015 4:39:10 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\RDXSSP01.DGN



SIGN D3-2-3
14'-6" X 5'-6"
STA. 415+60.00



SIGN D3-2-3
14'-6" X 5'-6"
STA. 403+10.00

SCALE
1" = 10' Horizontal
1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

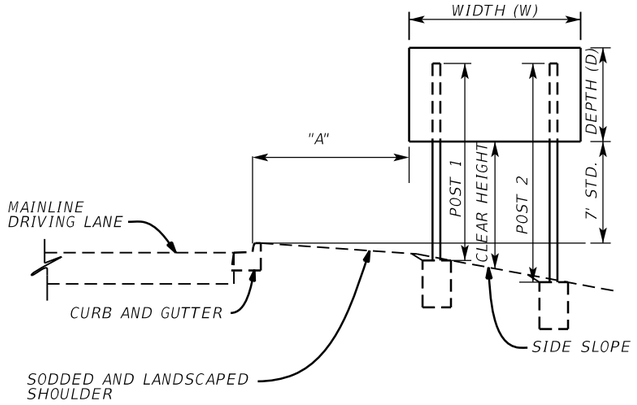
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGN CROSS SECTIONS

SHEET NO.
S-32

USER: Roselm 11/23/2015 4:39:11 PM P:\2012 Projects\E9Y18800\700CADD\43080315201\signing\RDXSSP01.DGN



TYPICAL SECTION FOR PLACEMENT OF MULTI-COLUMN SIGNS

N.T.S.

MULTI-COLUMN SIGN DATA

CLEARANCE FROM E.O.P. OR FACE OF CURB TO EDGE OF SIGN("A")(FT)	STATION	FROM EXIST. SIGN (FT)	SIGN NO.	SIGN SIZE (W x D) (FT)	SIDE SLOPE (%)	CLEAR HEIGHT (FT)	NO. OF POSTS	AVERAGE LENGTH OF POSTS (FT)	STEEL POSTS	ALUMINUM BEAMS	AVERAGE LENGTH OF POSTS AND FOOTING (FT)	LENGTH OF POST 1 (FT)	LENGTH OF POST 2 (FT)
2.2	293+40.00	N/A	D3-2-2	8'-6" X 4'-6"	FLAT	7'	2	11.055	W6X12		N/A	11.055	11.055
2.2	309+60.00	N/A	D3-2-2	8'-6" X 4'-6"	FLAT	7'	2	11.055	W6X12		N/A	11.055	11.055
5.4'/3.5'	403+10.00	N/A	D3-2-3	14'-0" X 5'-6"	FLAT	7'	2	11.845	W6X12		N/A	11.845	11.845
2.0	415+60.00	N/A	D3-2-3	14'-0" X 5'-6"	FLAT	7'	3	11.845	W6X12		N/A	11.845	11.845

NOTES:

1. FOR ADDITIONAL DETAILS, NOTES AND CONFIGURATIONS SEE STANDARD INDEX NOS. 11200 AND 17302.
2. CLEAR HEIGHT IS THE DISTANCE BETWEEN THE BOTTOM OF THE MAIN SIGN PANEL AND THE GROUND AT THE CENTER
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LENGTH OF THE SIGN SUPPORTS IN THE FIELD PRIOR TO FABRICATION.
4. AVERAGE LENGTH OF POSTS COLUMN IS APPLICABLE TO STEEL POSTS AND ALUMINUM BEAMS. AVERAGE LENGTH OF POSTS AND FOOTING COLUMN IS APPLICABLE TO U-CHANNEL POSTS AND SQUARE STEEL TUBES.
5. THE WIND SPEED USED TO DESIGN THE SIGN POSTS IS 150 M.P.H. IN ACCORDANCE WITH INDEX NO. 11200. STEEL POSTS SHALL BE AS SHOWN IN TABLE. MATERIAL SPECIFICATIONS SHALL BE PER INDEX 11200.
6. ANY EXISTING SOD OR LANDSCAPING DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL POSITION.

* CONTRACTOR SHALL FIELD VERIFY EXISTING SIDE SLOPES PRIOR TO FABRICATING AND INSTALLING THE NEW SIGN POSTS.

7. PROPOSED SIGN AT STA. 415+60.00 SHALL HAVE A 4 FT FOUNDATION DEPTH TO AVOID CONFLICT WITH EXISTING STORM SEWER UNDERGROUND. ALL OTHER FOUNDATION DETAILS REMAIN AS PER INDEX 11200.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
SHELLEY ORTIZ PE No. 63892

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

MULTI-COLUMN SIGN DATA

SHEET NO. S-33

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

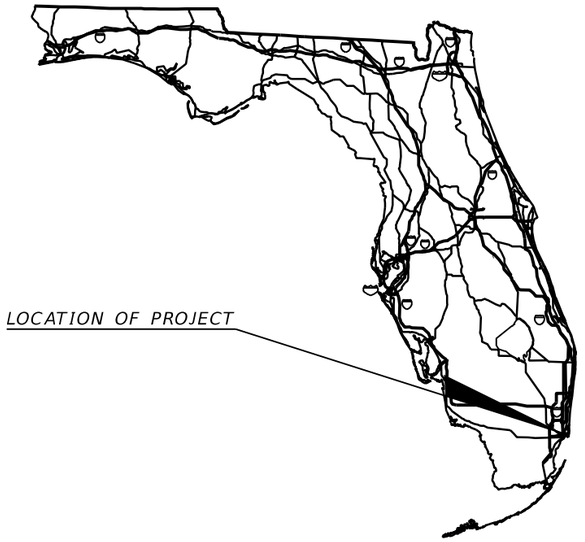
FINANCIAL PROJECT ID 430803-1-52-01

MIAMI-DADE COUNTY (87002)

STATE ROAD NO. 823 / NW 57 AVENUE

FROM N OF SR 916 / NW 135TH STREET / W 84 ST TO NW 186 ST

SIGNALIZATION PLANS



INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2 - T-3	TABULATION OF QUANTITIES
T-4	GENERAL NOTES
T-5 - T-15	SIGNALIZATION PLAN
T-16 - T-18	TRAFFIC MONITORING SITE

SIGNALIZATION SHOP DRAWINGS
TO BE SUBMITTED TO:

PAUL VETTER, P.E.
JACOBS ENGINEERING GROUP INC.
3750 NW 87 AVENUE, STE 750
MIAMI, FL 33178

PLANS PREPARED BY:

JACOBS ENGINEERING GROUP, INC.
3750 NW 87 AVENUE, STE 750
MIAMI, FL 33178
PHONE NO. (305) 718 0599
CONTRACT NO. C-9815
VENDOR NO. F954081636
CERTIFICATE OF AUTHORIZATION NO. 2822

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

KEY SHEET REVISIONS	
DATE	DESCRIPTION

SIGNALIZATION PLANS
ENGINEER OF RECORD: PAUL VETTER, P.E.

P.E. NO.: 59644

FISCAL YEAR	SHEET NO.
16	T-1

FDOT PROJECT MANAGER: HONG BENITEZ, PE

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET		REF SHEET
			T-5		T-6		T-7		T-8		T-9		T-10		T-11		T-12				
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	69				47		34		84		47				5		286		
630-2-12	CONDUIT, FUNISH & INSTALL, DIRECTIONAL BORE	LF	43		270														313		
632-7-1	SIGANL CABLE NEW OR RECONSTRUCTED INTERSECTION, F&I	PI	1		1		1		1		1		1				1		7		
635-2-11	PULL AND SPLICE BOX, F&I, 13"X24" COVER SIZE	EA	6		9		8		2		9		6						40		
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	2		2		2		4		2		3				1		16		
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	EA					1										1		2		
650-1-34	TRAFFIC SIGNAL, F&I, POLYCARBONATE, 3 SECTION, 1 WAY	AS			3														3		
650-1-38	TRAFFIC SIGNAL, F&I, POLYCARBONATE, 5 SECTION, 1 WAY	AS			1														1		
650-1-60	TRAFFIC SIGNAL, REMOVE	AS			4														4		
653-1-60	PEDESTRIAN SIGNAL, REMOVE	AS					1						2						3		
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 1 WAY	AS	2		2				2		2		2						10		
653-1-12	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 2 WAY	AS			1						1		1						3		
660-1-109	LOOP DETECTOR INDUCTIVE, TYPE 9, 2 CH, SS, RM	EA	1																1		
660-2-101	LOOP ASSEMBLY-F&I, TYPE A	AS	4		4		3		5		7		7		5		5		40		
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	EA			2		2				2		2				1		9		
665-1-60	PEDESTRAIN DETECTOR, REMOVE	EA					1						2						3		
670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1		1		1		1		1		1				1		7		
700-3-201	SIGN PANEL, F&I OVERHEAD MOUNT, UP TO 12 SF	EA							1						1		1		3		
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SP	EA			2				2						1		1		6		
695-1-1	TRAFFIC MONITORING SITE VEHICLE SENSOR-NON-WEIGHT	EA																			
	F&I																				
695-3-11	TRAFFIC MONITORING SITE VEHICLE SPEED/CLASSIFICATION	AS																			
	UNIT, F&I, VOLUME, SPEED AND CLASSIFICATION																				
695-6-12	TRAFFIC MONITORING SITE INDUCTIVE LOOP ASSEMBLY, F&I	EA																			
	2 LOOPS																				
695-7-141	TRAFFIC MONOTORING SITE CABINET, F&I, TYPE 4, BASE	EA																			
	MOUNT																				

PAY ITEM NOTE:

THE CONTRACTOR SHALL CONSTRUCT CONCRETE SLABS AROUND ALL PULL BOXES; MAST ARM POLES, CONTROLLERS, SERVICE POINTS AND ELECTRICAL DEVICES LOCATED IN UNPAVED/GRASS AREA. SEE INDEX 17500 FOR DETAILS AND NOTES. COST OF THE SLAB CONSTRUCTION, INCLUDING REINFORCED STEEL FABRIC, SHALL BE INCLUDED IN THE RELATED PAY ITEMS FOR PULL BOXES; MAST ARM POLES, CONTROLLERS, SERVICE POINTS AND ELECTRICAL DEVICES.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TABULATION OF QUANTITIES (1)

SHEET NO. T-2

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	T-13		T-14		T-15		T-16		T-17		T-18				TOTAL THIS SHEET		GRAND TOTAL		REF SHEET
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL			PLAN	FINAL	PLAN	FINAL	
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	176		47		14		62		62		62				423		709		
630-2-12	CONDUIT, FUNISH & INSTALL, DIRECTIONAL BORE	LF	264		28				45		45		245				627		940		
632-7-1	SIGANL CABLE NEW OR RECONSTRUCTED INTERSECTION, F&I	PI	1		1												2		9		
635-2-11	PULL AND SPLICE BOX, F&I, 13"X24" COVER SIZE	EA	9		5				2		2		3				21		61		
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	4		2												6		22		
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	EA																	2		
650-1-34	TRAFFIC SIGNAL, F&I, POLYCARBONATE, 3 SECTION, 1 WAY	AS																	3		
650-1-38	TRAFFIC SIGNAL, F&I, POLYCARBONATE, 5 SECTION, 1 WAY	AS																	1		
650-1-60	TRAFFIC SIGNAL, REMOVE	AS																	4		
653-1-60	PEDESTRIAN SIGNAL, REMOVE	AS			6												6		9		
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 1 WAY	AS			4												4		14		
653-1-12	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 2 WAY	AS	4		2												6		9		
660-1-109	LOOP DETECTOR INDUCTIVE, TYPE 9, 2 CH, SS, RM	EA																	1		
660-2-101	LOOP ASSEMBLY-F&I, TYPE A	AS	6		5		16										27		67		
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	EA	4		4		4										12		21		
665-1-60	PEDESTRAIN DETECTOR, REMOVE	EA	2		2												4		7		
670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1		1												2		9		
700-3-201	SIGN PANEL, F&I OVERHEAD MOUNT, UP TO 12 SF	EA																	3		
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SP	EA																	6		
695-1-1	TRAFFIC MONITORING SITE VEHICLE SENSOR-NON-WEIGHT	EA							6		6		6				18		18		
	F&I																				
695-3-11	TRAFFIC MONITORING SITE VEHICLE SPEED/CLASSIFICATION	AS							1		1		1				3		3		
	UNIT, F&I, VOLUME, SPEED AND CLASSIFICATION																				
695-6-12	TRAFFIC MONITORING SITE INDUCTIVE LOOP ASSEMBLY, F&I	EA							6		6		6				18		18		
	2 LOOPS																				
695-7-141	TRAFFIC MONOTORING SITE CABINET, F&I, TYPE 4, BASE	EA							1		1						2		2		
	MOUNT																				

NOTE:
THE CONTRACTOR SHALL CONSTRUCT CONCRETE SLABS AROUND ALL PULL BOXES; MAST ARM POLES, CONTROLLERS, SERVICE POINTS AND ELECTRICAL DEVICES LOCATED IN UNPAVED/GRASS AREA. SEE INDEX 17500 FOR DETAILS AND NOTES. COST OF THE SLAB CONSTRUCTION, INCLUDING REINFORCED STEEL FABRIC, SHALL BE INCLUDED IN THE RELATED PAY ITEMS FOR PULL BOXES; MAST ARM POLES, CONTROLLERS, SERVICE POINTS AND ELECTRICAL DEVICES.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TABULATION OF QUANTITIES (2)

SHEET NO. T-3

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

GENERAL NOTES
==========

1. THE CONTRACTOR SHALL PERFORM AN INVENTORY OF THE EXISTING INTERSECTIONS PRIOR TO THE BEGINNING CONSTRUCTION ACTIVITIES, AND SUBMIT TWO (2) COPIES OF THE INVENTORY REPORT, LISTING ALL OPERABLE AND INOPERABLE SIGNAL ITEMS TO THE ENGINEER. ALL DAMAGED ITEMS SHOULD BE CLEARLY IDENTIFIED IN THE REPORT.

2. GOVERNING STANDARDS AND SPECIFICATIONS FOR SIGNALIZATION ITEMS OF WORK ARE: THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS, THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE TRAFFIC CONTROL EQUIPMENT SPECIFICATIONS AND STANDARDS FOR THE METRO TRAFFIC CONTROL SYSTEM MIAMI-DADE COUNTY 2000 EDITION; MODIFICATIONS TO TRAFFIC CONTROL EQUIPMENT SPECIFICATIONS AND STANDARDS FOR THE METRO TRAFFIC CONTROL SYSTEM MIAMI-DADE COUNTY 2000 EDITION.

3. ALL ELECTRICAL AND ELECTRONIC EQUIPMENT AND STRUCTURES SHALL COMPLY WITH THE FDOT APL AND THE MIAMI DADE COUNTY QPL.

4. THE SIGNAL-MAINTAINING AGENCY IS:

   MIAMI DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT
   DEPARTMENT, TRAFFIC SIGNAL & SIGN DIVISION.

5. THE CONTRACTOR SHALL NOTIFY THE MAINTAINING AGENCY AT LEAST FORTY-EIGHT (48) HOURS IN DVANCE OF ANY WORK TO BE CARRIED OUT AT ANY SIGNAL RELATED INSTALLATION.

6. EACH MAST ARM POLE FOUNDATION SHALL INCLUDE TWO SPARE CONDUITS THAT ARE TERMINATED IN THE ASSOCIATED PULL BOX. A MINIMUM OF THREE CONDUITS HAVE TO BE PROVIDED TO EACH POLE.

7. PULL BOXES, MAST ARM FOUNDATIONS AND CONTROLLER FOUNDATIONS SHALL HAVE A MINIMUM 4" CLEARANCE FROM ALL JOINTS AND EDGE OF SIDEWALK. THERE SHALL BE NO EXPANSION MATERIAL AROUND PULL BOXES, MAST ARM FOUNDATIONS AND CONTROLLER FOUNDATIONS.

8. ALL SALVAGEABLE SIGNAL EQUIPMENT THAT ARE REMOVED MUST BE DELIVERED AND UNLOADED AT THE, MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT TRAFFIC SIGNALS & SIGNS DIVISION:

   A. 7100 N.W. 36TH STREET
      MIAMI, FLORIDA 33166

   B. RECEIPTS MUST BE OBTAINED FROM THE ABOVE AGENCY AND SUBMITTED TO THE PROJECT ENGINEER TO RECEIVE PAYMENT FOR REMOVAL ITEMS.

9. SIGNAL EQUIPMENT CONSIDERED SALVAGEABLE IS AS FOLLOWS:

   CONTROLLERS, CONTROLLER CABINETS, CONTROLLER HARDWARE AND SOFTWARE, FLASHERS, COMMUNICATION DEVICES AND HARDWARE, SIGNAL HEADS, MAST-ARM POLES AND ASSOCIATED HARDWARE, MOUNTED MAST ARM SIGNS, PEDESTRIAN DETECTORS, PEDESTRIAN SIGNAL HEADS. ALL OTHER EQUIPMENT SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE.

10. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT IN WRITING, NO LESS THAN 14 WORKING DAYS IN ADVANCE OF THE NEED OF ELECTRICAL POWER SERVICE HOOKUPS OF SIGNALIZATION / STREET LIGHTING FACILITIES. THE CONTRACTOR SHALL SUBMIT A LETTER OF REQUEST ALONG WITH AN AFFIDAVIT OF GENERAL ELECTRICAL WORK, SIGNED AND CERTIFIED BY A MASTER ELECTRICIAN.

11. INSTALLATIONS OF NEW PULL BOXES SHALL BE PERFORMED BY A QUALIFIED ELECTRICAL CONTRACTOR. WHEN NEW PULL BOX IS REPLACING EXISTING PULL BOX, THE CONTRACTOR SHALL ADJUST CONDUITS AND CABLES TO FIT THE NEW PULL BOX ELEVATION. COST OF ADJUSTMENTS IS INCLUDED IN THE PULL BOX PAY ITEM.

12. THE CONTRACTOR SHALL RESPOND TO ALL TROUBLE CALL DISPATCHES AND REPORTED MALFUNCTIONS OF TRAFFIC SIGNAL WITHIN (2) HOURS. CLEAR DISPATCHES WITH THE TRAFFIC CONTROL CENTER (TCC) OPERATOR OR TIMING ENGINEER AT 305 592-8925 EXT. 248.

13. THE CONTRACTOR SHALL NOTIFY THE MIAMI DADE PUBLIC WORK AND WASTE MANAGEMENT DEPARTMENT, TRAFFIC SIGNAL & SIGN DIVISION DAILY, VIA E-MAIL AND FAX 305 477-6422, OF THE SIGNAL AND ELECTRICAL WORK LOCATIONS. ALL THE DAILY E-MAILS AND FAXES SHALL BE SENT BETWEEN 7:00 AM AND 8:00 AM.

14. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF FOUR (4) SPARE SIGNAL CONDUCTORS FROM EXISTING MAST ARM AND PEDESTRIAN POLES TO THE CONTROLLER CABINET.

15. GALVANIZED STEEL COUPLINGS AND FITTINGS WHEN INSTALLED IN DIRECT CONTACT WITH THE SOIL OR IN CONCRETE SHALL BE COATED WITH A PROTECTIVE ANTICORROSION PAINT, ASPHALT COMPOUND, OR OTHER EQUIVALENT PROTECTION TO HELP PREVENT DETERIORATION.

PTMS GENERAL NOTES
==========

1. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES FOURTY-EIGHT (48) HOURS IN ADVANCE OF WORK COMMENCING.

2. SHOP DRAWING/SUBMITTED DATA FOR EQUIPMENT TO BE INSTALLED MUST BE SUBMITTED FOR PRIOR APPROVAL TO:

   MULDER BROWN
   FLORIDA DEPT. OF TRANSPORTATION
   605 SUAWANNEE STREET, MS27
   TALLAHASSEE, FL. 32399-0450
   PH: (850) 414-4716

3. ALL SHIELDED LOOP LEAD-IN WIRES MUST BE GROUNDED TO THE CONTROLLER CABINET GROUND.

4. PLANNING'S TRAFFIC COUNTS ENGINEER MUST BE CONTACTED NO LESS THAN TEN (10) WORKING DAYS PRIOR TO CUTTING THE LOOPS. THIS WILL ALLOW THE FIELD TECHNICIAN TO BE PRESENT DURING CUTTING IN OF THE LOOPS. PLANNING/ CONSULTANT WILL CONDUCT ON FINAL INSPECTION OF THE CABINET WIRING AND OPERATION OF THE MONITORING SITE INSTALLATION BEFORE FINAL ACCEPTANCE OF THE PROJECT.

   DEPARTMENT SUPERVISOR - NEIL LYN (305) 470-5373

5. ALL SAW CUTS SHALL BE SEALED WITHIN FOURTY-EIGHT (48) HOURS AFTER THE LOOP WIRES AND LEAD-IN WIRES HAVE BEEN PLACED IN THE SAW CUTS.

6. CONTRACTOR WILL SUPPLY TO THE DEPARTMENT'S ENGINEER ALL CABINET KEYS CLEARLY MARKED AS TO WHICH CABINET THEY BELONG. THE DEPARTMENT'S ENGINEER WILL ENSURE THAT ALL KEYS ARE PROVIDED TO THE PLANNING'S TRAFFIC COUNT ENGINEER FOR THE DISTRIBUTION TO PLANNING AND TRAFFIC OPERATIONS.

7. SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 17900.

PAY ITEM NOTES
==========

110-1-1	REMOVAL OF EXISTING PULL BOXES IS INCLUDED WITH CLEARING AND GRUBBING.
630-2-12	CONDUIT, (F&I), DIRECTIONAL BORE, UNDERGROUND OR UNDERPAVEMENT INCLUDES OPEN TRENCH INSTALLATION UNDERPAVEMENT.
635-2-11	INSTALLATIONS FOR NEW PULL BOXES SHALL BE PERFORMED BY A QUALIFIED ELECTRICAL CONTRACTOR. WHEN NEW PULL BOX IS REPLACING EXISTING PULL BOX, THE CONTRACTOR SHALL ADJUST CONDUITS AND CABLES TO FIT THE NEW PULL BOX ELEVATION. COST OF ADJUSTMENTS IS INCLUDED IN THE PULL BOX PAY ITEM. REFER TO THE ROADWAY PLANS FOR ADDITIONAL PULL BOXES TO BE REPLACED.
646-1-11	GROUNDING TO BE IN A NEW PULL BOX INSTALLED ADJACENT TO THE PEDESTAL. CONDUIT CONNECTING THE THE PEDESTAL TO THE PULL BOX IS INCLUDED IN THIS PEDESTAL PAY ITEM.
660-2-101	THE LOOP DETECTORS ARE TO BE CONNECTED TO THE EXISTING LOOP WINDOWS, PULL BOXES AND CONDUIT, EXCEPT WHERE NEW CONDUITS ARE PROVIDED.
670-5-400	SHALL INCLUDE ALL WIRING AND CONNECTIONS ACCORDING TO THE SOP ON THE SIGNALIZATION PLAN AND THE TIMING SHEET PROVIDED BY THE COUNTY, FROM THE TERMINAL BOARD TO AND INCLUDING ALL CONTROLLER UNITS, PREEMPTOR, FLASHERS, RELAYS, COORDINATING UNITS, RADIOS, SWITCHES, SERVICE LEAD-INS, INTERCONNECT AND ANY OTHER EQUIPMENT NECESSARY TO PROVIDE SATISFACTORY OPERATIONS TO THE EXISTING CONTROLLER CABINET. CONTRACTOR SHALL PROVIDE NEW CONFLICT MONITOR PROGRAM SHEET AND NEW HOOP-UP CHART, BASED ON SIGNAL OPERATION PLAN (SOP) AND TIMING SHEET PROVIDED BY THE COUNTY AND ALL MODIFICATIONS INDICATED ABOVE AT EXISTING CABINET INSTALLATIONS. PAYMENT OF SUCH WORK TO BE INCLUDED IN THE RELATED PAY ITEM.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

GENERAL NOTES

SHEET NO. T-4

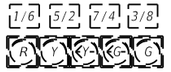
PEDESTRIAN HEAD DETAILS

P6

PED. SIGNAL (LED)
COUNT-DOWN
1-SECT., 1-WAY

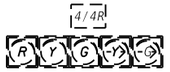
653-1-11 2 AS

SIGNAL HEAD DETAILS



5-SECT., 1-WAY
TO REMAIN

3-SECT., 1-WAY
TO REMAIN



5-SECT., 1-WAY
TO REMAIN

DETECTORS FOR LOOPS			
LOOP	NO. OF LOOPS	EXISTING NO. OF DETS.	PROPOSED NO. OF DETS.
L-1	1	1	1
L-5	1	1	1
L-3	1	1	1
L-8	1	1	1
L-7*	1	1	1
L-4*	1	1	1
L-4R*	1	1	1

LEGEND:

* EXISTING REMAINS

OVERHEAD SIGNS

X

NW 57 AV
Red Road

72"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

Y

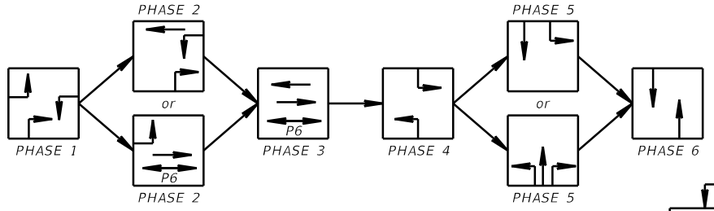
NW 142 ST

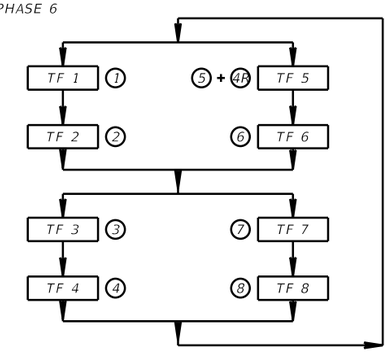
72"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

A

R3-4 (24"X24")
TO REMAIN

SIGNAL OPERATING PLAN



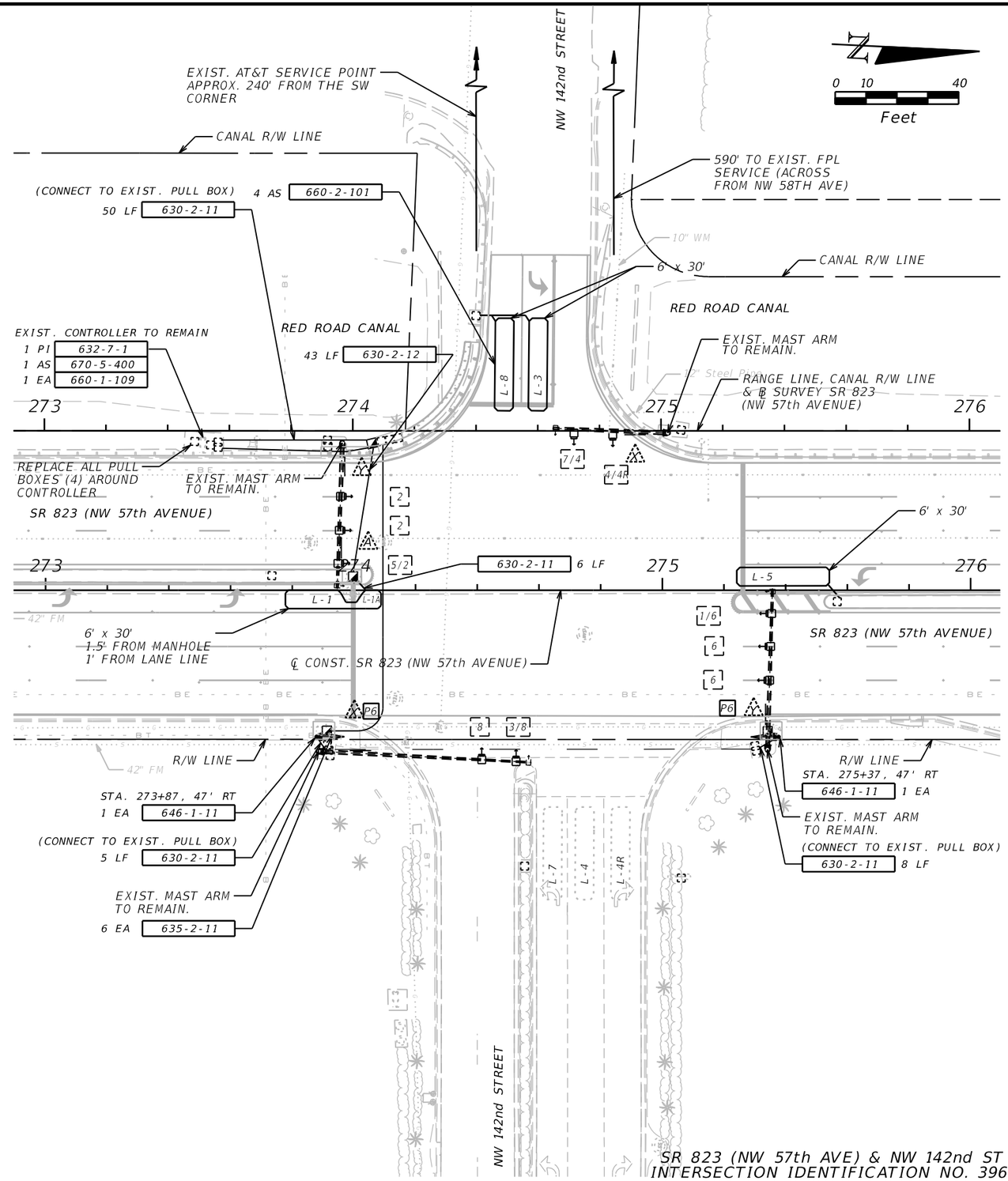


NOTES:

1. CONTROLLER OPERATIONS:
   A. EXISTING MODEL 170 CONTROLLER ASSEMBLY WITH COORDINATION CAPABILITIES.
   B. MAJOR STREET IS NW 57 AVE
      MINOR STREET IS NW 142 ST
   C. COORDINATION ON PHASE 3 MOVEMENTS (2) + (6)
   D. FLASHING OPERATION:
      YELLOW ON NW 57 AVE MOVEMENTS (2) + (6)
      RED ON NW 142 ST MOVEMENTS (4) + (8)

2. LOOP ASSEMBLIES SHALL BE 2' IN FRONT OF STOP BAR FOR ALL LANES.

3. TIMING WILL BE PROVIDED BY MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SIGNALS AND SIGNS DIVISION. 7100 NW 36 ST TELEPHONE (305) 592-8925.



SR 823 (NW 57th AVE) & NW 142nd ST
INTERSECTION IDENTIFICATION NO. 3961

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNALIZATION PLAN (1)

SHEET NO.
T-5

SIGNAL HEAD & SIGN DETAILS

[2] 3-SECT., 1-WAY — EXISTING (TO REMAIN)

[1/6] 5-SECT., 1-WAY, 1 AS — EXISTING (TO BE REMOVED)

[4R] 5-SECT., 1-WAY — EXISTING (TO REMAIN)

[6R] 1-SECT., 1-WAY, 2 AS — EXISTING (TO BE REMOVED)

[6S] 3-SECT., 1-WAY, 2 AS (WITHOUT BACKPLATES) — 650- 1- 24

[4] 3-SECT., 1-WAY — EXISTING (TO REMAIN)

[1/6] 5-SECT., 1-WAY, 1 AS (WITHOUT BACKPLATES) — 650- 1- 29

[6] 3-SECT., 1-WAY, 1 AS — EXISTING (TO BE REMOVED)

[6] 3-SECT., 1-WAY, 1 AS (WITHOUT BACKPLATES) — 650- 1- 24

(X) NW 57 AV / RED ROAD — EXISTING INTERNALLY LED ILLUMINATED SIGNS (TO REMAIN)

(Y) NW 150 ST / MIAMI LAKES DR E. — EXISTING INTERNALLY LED ILLUMINATED SIGNS (TO REMAIN)

P8 P2 — PED. SIGNAL COUNT-DOWN 1-SECT., 2-WAY, 1 AS — 653- 1- 12

P8 P2 — PED. SIGNAL COUNT-DOWN 1-SECT., 1-WAY, 2 AS — 653- 1- 11

(A) EXISTING SIGN (TO BE REMOVED)

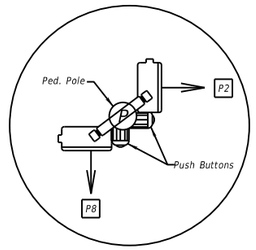
(B) RIGHT TWO LANES GO AT ALL TIMES — EXISTING SIGN (TO BE REMOVED)

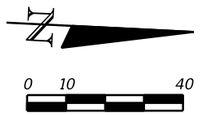
(M) START CROSSING Watch For Vehicles / DON'T START Finish Crossing If Started / TIME REMAINING To Finish Crossing / DON'T CROSS / PUSH BUTTOM TO CROSS NW 57 Av

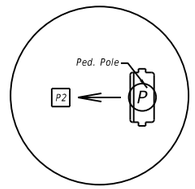
R10-3E (MODIFIED) 9" X 15" (COST INCLUDED IN PAY ITEM 665-1-11) 2 EA

630- 2- 12 290 LF

632- 7- 2 140 LF

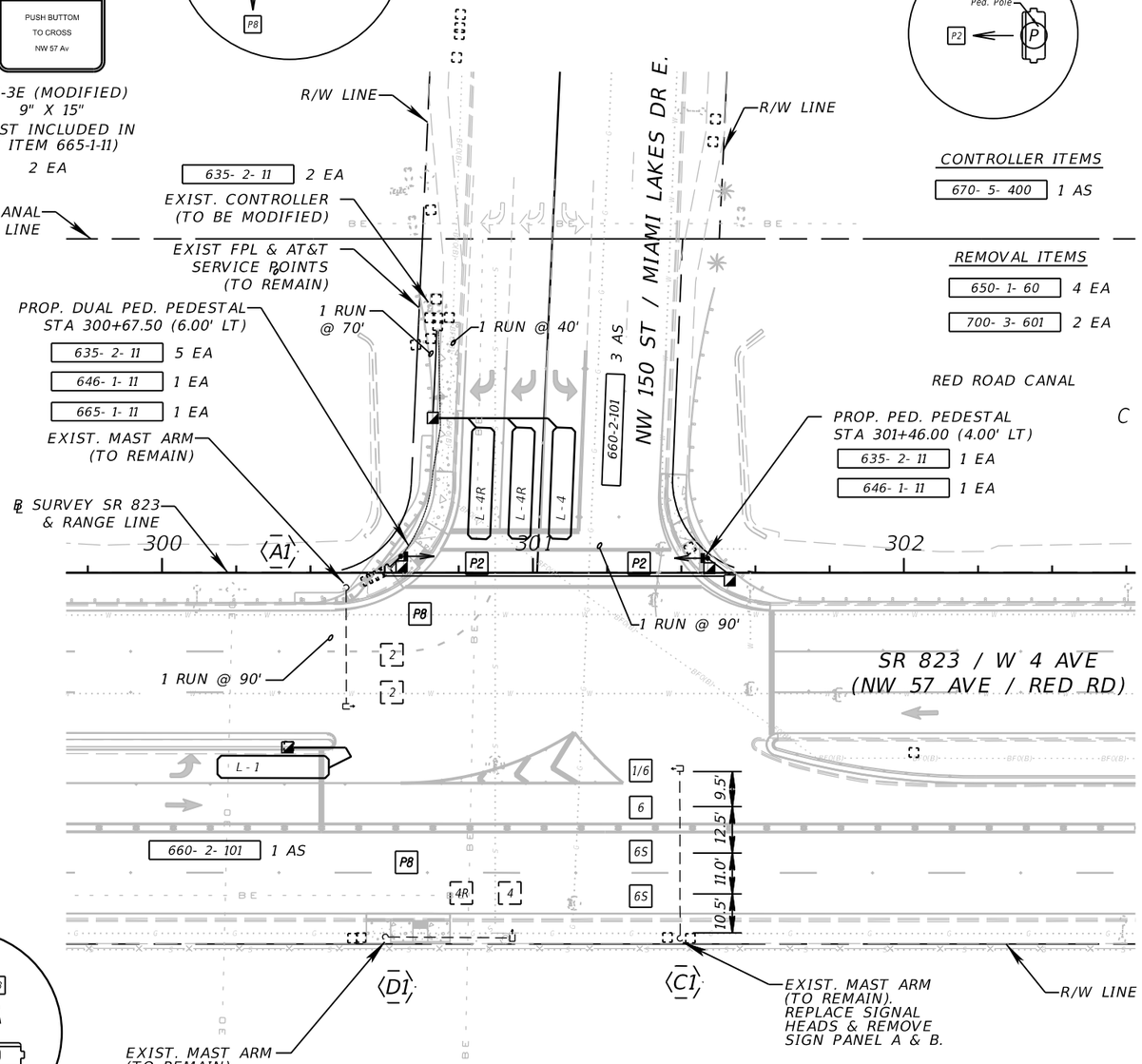






CONTROLLER ITEMS
670- 5- 400 1 AS

REMOVAL ITEMS
650- 1- 60 4 EA
700- 3- 601 2 EA



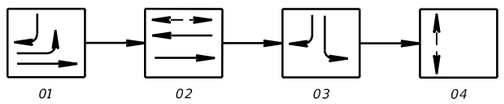
NOTES:

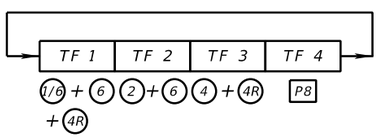
1. FINAL SIGNAL TIMING TO BE PROVIDED BY MIAMI-DADE COUNTY SIGNAL DIVISION.
2. PED. SIGNAL HEADS TO BE ALIGNED WITH CENTER OF FAR-SIDED END OF CROSSWALK THEY SERVE.

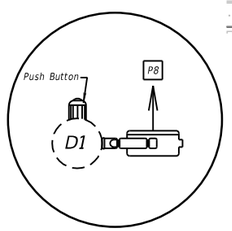
CONTROLLER OPERATIONS

1. MAJOR STREET: SR 823 / W 4 AVE / RED RD / NW 57 AVE.
   MINOR STREET: MIAMI LAKES DR E / NW 150 ST.
2. S.O.P: AS SHOWN.
3. PHASE 2 RECALL.
   PHASES: 1, 3 & 4 ACTUATED.
4. FLASHING OPERATION: 1/6, 2, 6 & 6S YELLOW 4 & 4R RED.
5. PED. SIGNALS P8 UPON ACTUATION ONLY. P2 ON RECALL.

S.O.P.







DETECTORS FOR LOOPS		
LOOP	NO. OF LOOPS	NO. OF EXIST. DET. (TO REMAIN)
L-1	1	1
L-4	1	1
L-4R	2	1

NW 57 AVE / RED ROAD AT NW 150 ST / MIAMI LAKE DR E.

ID NO. 3838

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

A&P Consulting Transportation Engineers Corp.
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Eithel M. Sierra, P.E. No. 55401

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNALIZATION PLAN (2)

SHEET NO. T-6

PUSHBUTTON SIGN

R10-3E (MODIFIED)
9" x 15"
INCLUDED WITH
ITEM No. 665-1-11
[2 EA]

OVERHEAD SIGNS

X

NW 57 AV
Red Road

60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

Y

NW 158 ST

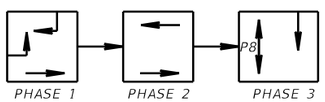
60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

A

R3-4 (24"X24")
EXIST.

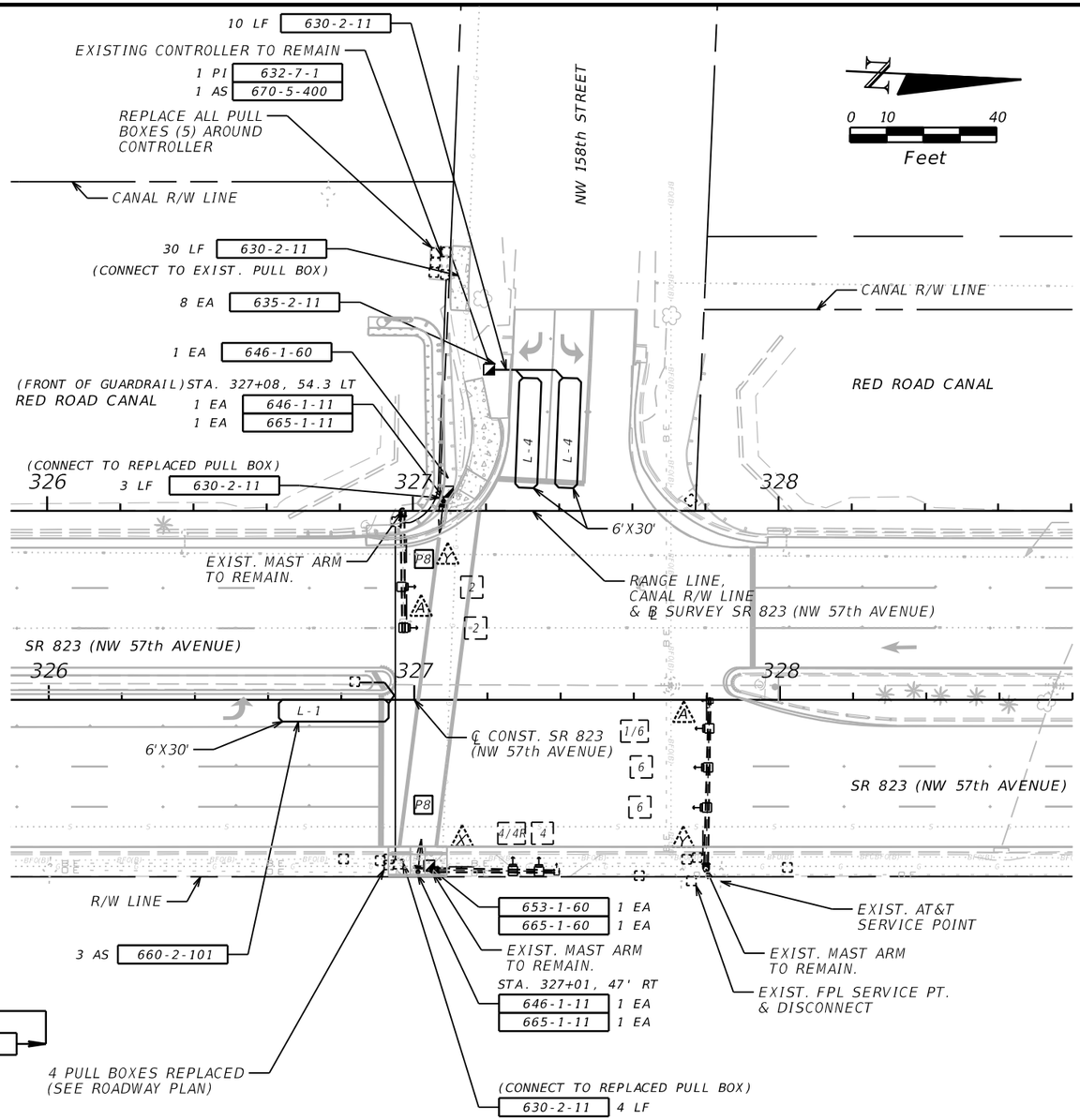
DETECTORS FOR LOOPS		
LOOP	NO. OF LOOPS	EXISTING NO. OF DETS.
L-1	1	1
L-4	2	1

SIGNAL OPERATING PLAN

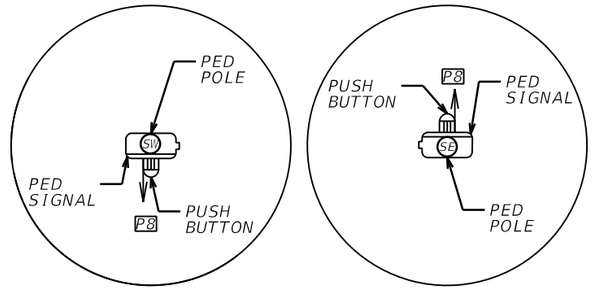


NOTE:

1. MAJOR STREET: NW 57 AVE (RED ROAD)
   MINOR STREET: NW 158 ST
2. PHASE 2, 3, 4 ACTUATED. PHASE 1 RECALL MOVEMENT 1 WITH PHASE 1 IS PERMISSIVE
3. SIGNAL OPERATION PLAN 14 MODIFIED SIGNAL COORDINATION PHASE 1.
4. FLASHING OPERATION 1, 2, 6 YELLOW, 4, 4R RED
5. INITIAL CONTROLLER TIMING TO BE PROVIDED BY MIAMI-DADE COUNTY.
6. LOOP ASSEMBLIES SHALL BE 2' IN FRONT OF STOP BAR FOR ALL LANES.



PEDESTRIAN PUSH BUTTON LOCATION



SIGNAL HEAD DETAILS

PEDESTRIAN HEAD DETAILS

PED. SIGNAL (LED)
COUNT-DOWN
1-SECT., 1-WAY
653-1-11 2 AS

SR 823 (NW 57th AVE) & NW 158th ST
INTERSECTION IDENTIFICATION NO. 4111

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNALIZATION PLAN (3)

SHEET NO. T-7

USER: chas.goblisch 11/23/2015 9:11:21 AM \\miafil01\Proj\2012 Projects\E9Y18800\700CADD\43080315201\signals\PLANSG03.DGN

SIGNAL HEAD DETAILS

5-SECT., 1-WAY
TO REMAIN

3-SECT., 1-WAY
TO REMAIN

OVERHEAD SIGNS

X

NW 57 AV
Red Road

60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

Y

NW 159 ST

60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

PEDESTRIAN HEAD DETAILS

PED. SIGNAL (LED)
COUNT-DOWN
1-SECT., 1-WAY

653-1-11 2 AS

A

R3-18
36"X36"

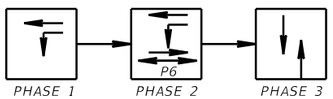
700-3-201

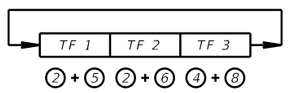
R3-2
REMOVE

R3-3
REMOVE

DETECTORS FOR LOOPS		
LOOP	NO. OF LOOPS	EXISTING NO. OF DETS.
L-4	T2	1
L-5	1	1
L-8	2	1

SIGNAL OPERATING PLAN



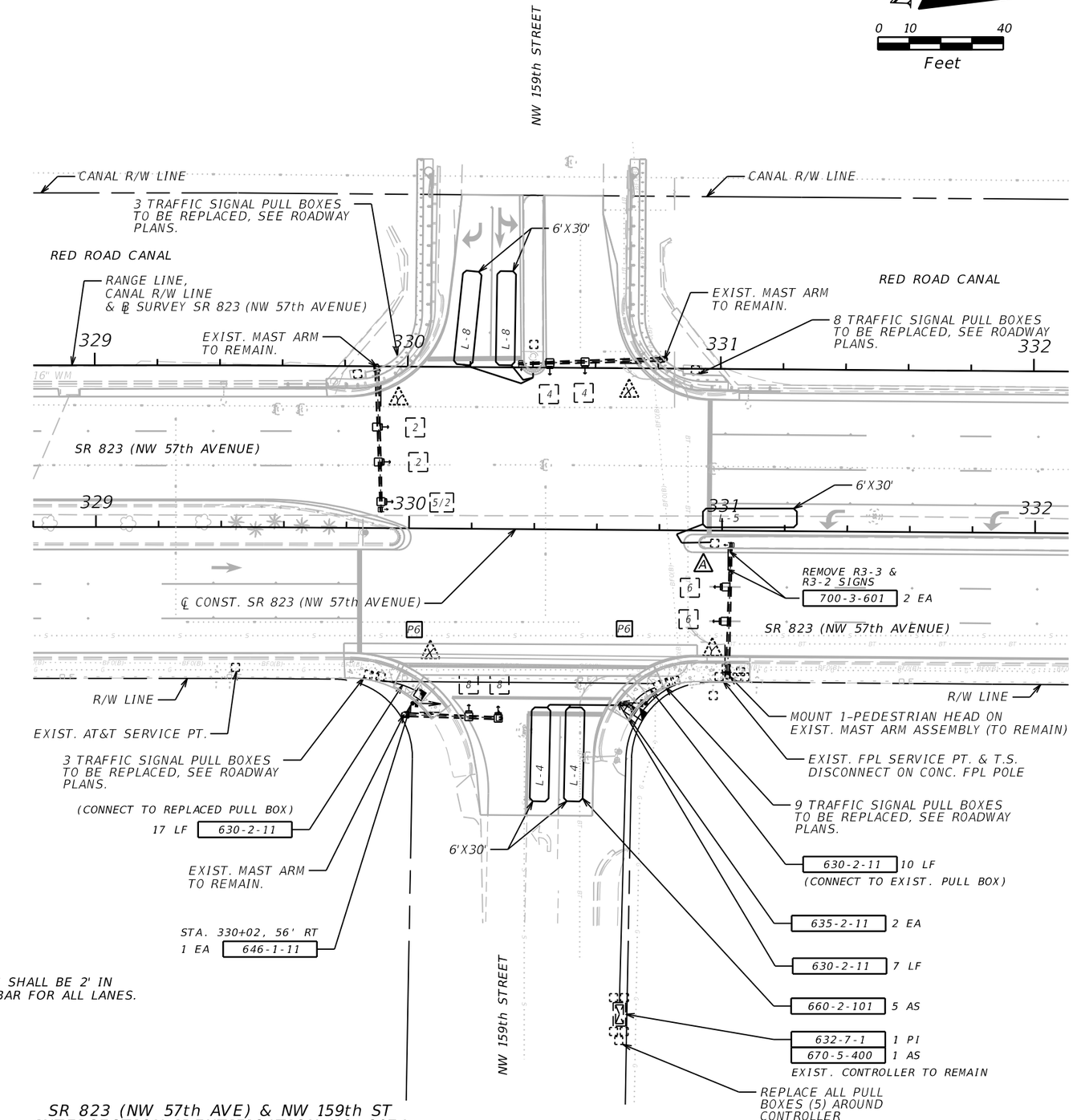


CONTROLLER OPERATION:

1. MAJOR STREET: NW 57 AVE (RED ROAD)
   MINOR STREET: NW 159 ST
2. PHASE 1, 3 ACTUATED, PHASE 2 RECALL
   MOVEMENT 5 WITH PHASE 2 IS PERMISSIVE.
3. SIGNAL OPERATING PLAN II
   SIGNAL COORDINATION PHASE 2
4. FLASHING OPERATION: 2, 5, 6 YELLOW
   4 & 8 RED.
5. INITIAL CONTROLLER TIMING TO BE
   PROVIDED BY MIAMI-DADE COUNTY.

NOTE:

1. LOOP ASSEMBLIES SHALL BE 2' IN
   FRONT OF STOP BAR FOR ALL LANES.



SR 823 (NW 57th AVE) & NW 159th ST
INTERSECTION IDENTIFICATION NO. 3974

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNALIZATION PLAN (4)

SHEET NO.
T-8

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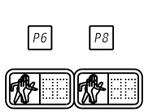
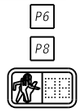
USER: chas.goblisch 11/23/2015 9:11:31 AM \\miafil01\Proj\2012 Projects\E9Y18800\700CADD\43080315201\signals\PLANSG04.DGN

PEDESTRIAN HEAD DETAILS

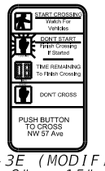


PED. SIGNAL (LED)
COUNT-DOWN
1-SECT., 2-WAY
653-1-12 1 AS



PED. SIGNAL (LED)
COUNT-DOWN
1-SECT., 1-WAY
653-1-11 2 AS

PUSHBUTTON SIGN



R10-3E (MODIFIED)
9" x 15"
INCLUDED WITH
ITEM No. 665-1-11
[2 EA]

DETECTORS FOR LOOPS

LOOP	NO. OF LOOPS	EXISTING NO. OF DETS.
L-1	1	1
L-4	1	1
L-5	1	1
L-3	1	1
L-7	1	
L-8	2	1

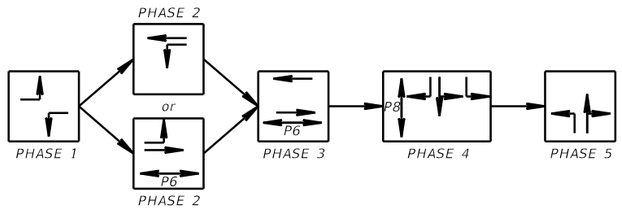
SIGNAL HEAD DETAILS

5-SECT., 1-WAY
TO REMAIN

3-SECT., 1-WAY
TO REMAIN

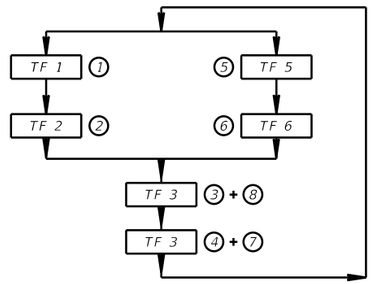
4-SECT., 1-WAY
TO REMAIN

SIGNAL OPERATING PLAN

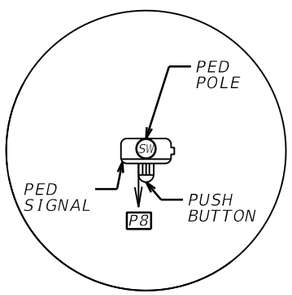


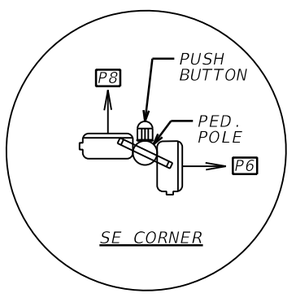
NOTE:

1. MAJOR STREET: NW 57 AVE (RED ROAD)
   MINOR STREET: NW 163 ST
2. PHASE 1, 3, 4 ACTUATED, PHASE 2 RECALL
   MOVEMENT 1, 5 WITH PHASE 3 IS PERMISSIVE.
3. SIGNAL OPERATING PLAN 9
   SIGNAL COORDINATION PHASE 3
4. FLASHING OPERATION: 1, 2, 5, 6 YELLOW
   3, 4, 7, 8 RED
5. INITIAL CONTROLLER TIMING TO BE
   PROVIDED BY MIAMI-DADE COUNTY.
6. LOOP ASSEMBLIES SHALL BE 2' IN
   FRONT OF STOP BAR FOR ALL LANES.



PEDESTRIAN PUSH BUTTON LOCATION





SE CORNER

OVERHEAD SIGNS

X

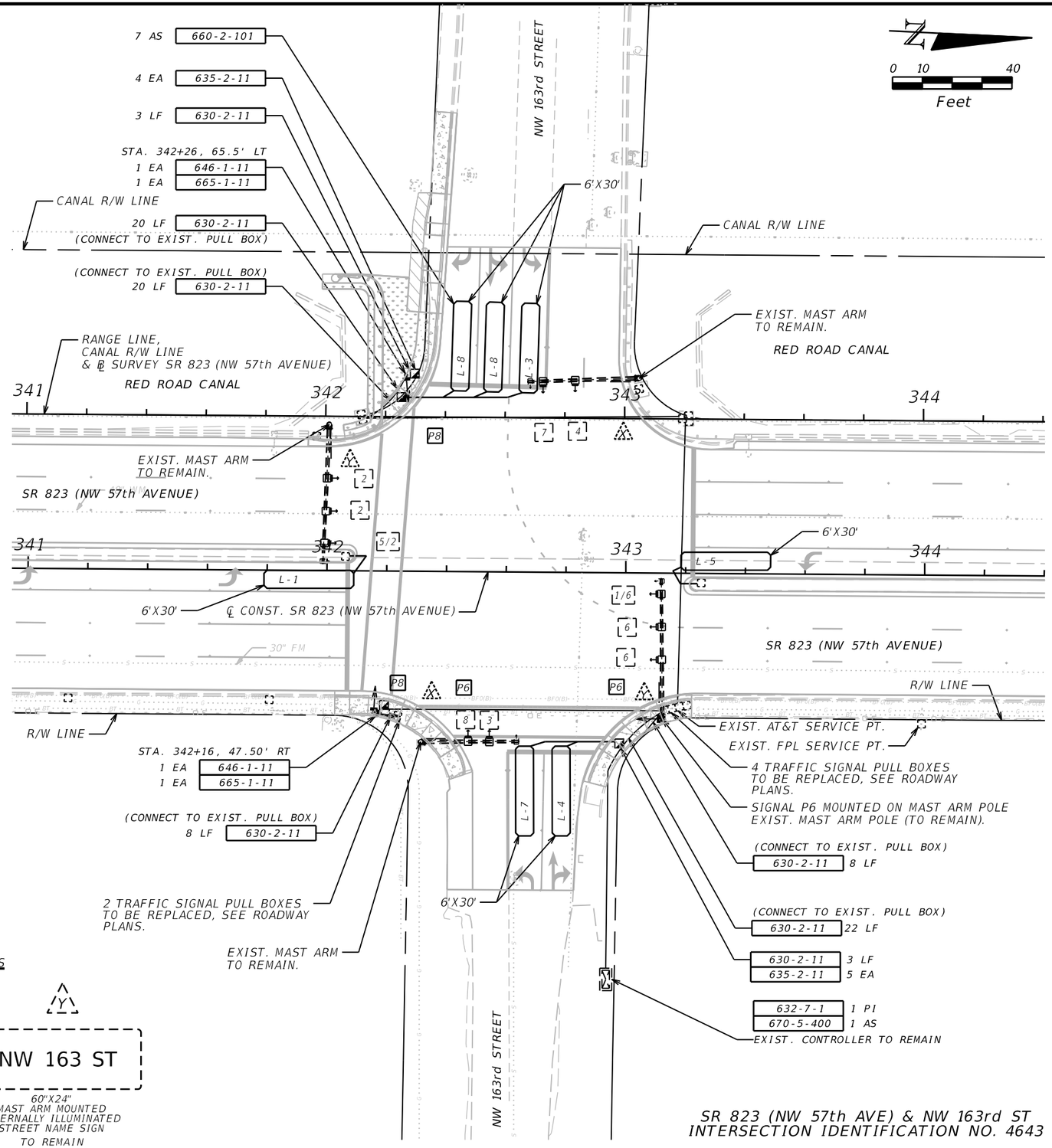
NW 57 AV
Red Road

60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

Y

NW 163 ST

60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN



SR 823 (NW 57th AVE) & NW 163rd ST
INTERSECTION IDENTIFICATION NO. 4643

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNALIZATION PLAN (5)

SHEET NO.
T-9

USER: chas.goblisch 11/23/2015 9:11:40 AM \\miafil01\Proj\2012 Projects\E9Y18800\700CADD\43080315201\signals\PLANSG05.DGN

PUSHBUTTON SIGN

R10-3E (MODIFIED)
9" x 15"
INCLUDED WITH
ITEM No. 665-1-11
[2 EA]

OVERHEAD SIGNS

X

NW 57 AV
Red Road

60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

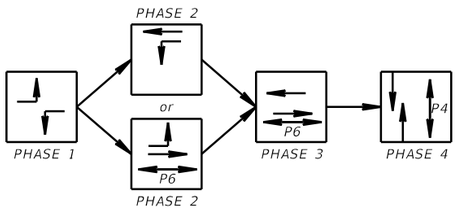
Y

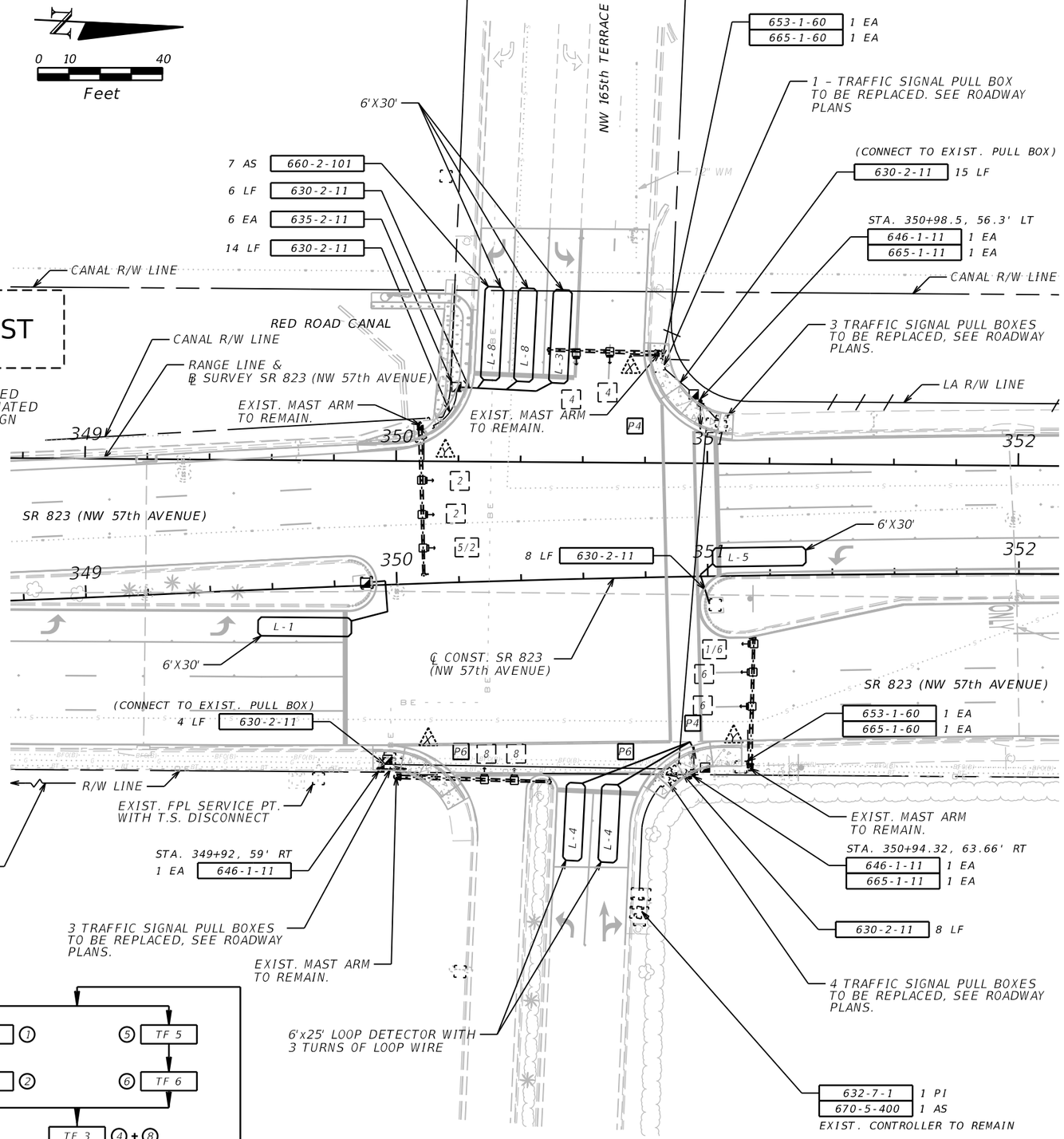
NW 165 ST

60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

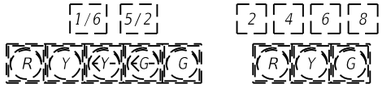
DETECTORS FOR LOOPS		
LOOP	NO. OF LOOPS	EXISTING NO. OF DETS.
L-1	1	1
L-3	1	1
L-4	2	1
L-5	1	1
L-8	2	2

SIGNAL OPERATING PLAN

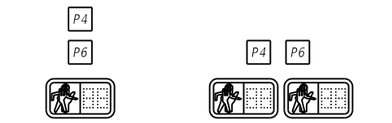




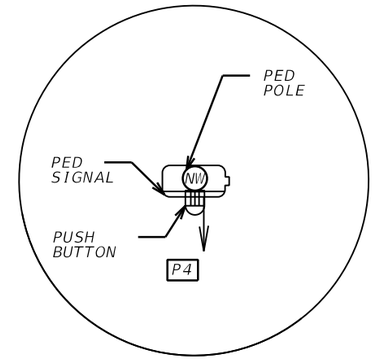
SIGNAL HEAD DETAILS

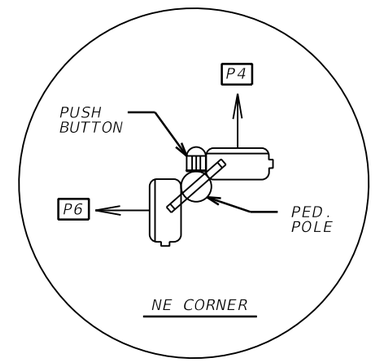


PEDESTRIAN HEAD DETAILS



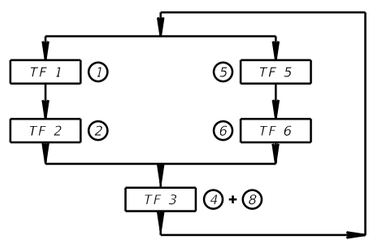
PEDESTRIAN PUSH BUTTON LOCATION





NOTE:

1. MAJOR STREET: NW 57 AVE (RED ROAD)
   MINOR STREET: NW 165 TERR
2. PHASE 1, 2, 4 ACTUATED, PHASE 3 RECALL
   MOVEMENT 1, 5 WITH PHASE 3 IS PERMISSIVE.
3. SIGNAL OPERATING PLAN 7
   SIGNAL COORDINATION PHASE 3
4. FLASHING OPERATION: 1, 2, 5, 6 YELLOW
   4, 8 RED
5. INITIAL CONTROLLER TIMING TO BE
   PROVIDED BY MIAMI-DADE COUNTY.
6. LOOP ASSEMBLIES SHALL BE 2' IN
   FRONT OF STOP BAR FOR ALL LANES.



SR 823 (NW 57th AVE) & NW 165th TERRACE
INTERSECTION IDENTIFICATION NO. 4987

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNALIZATION PLAN (6)

SHEET NO. T-10

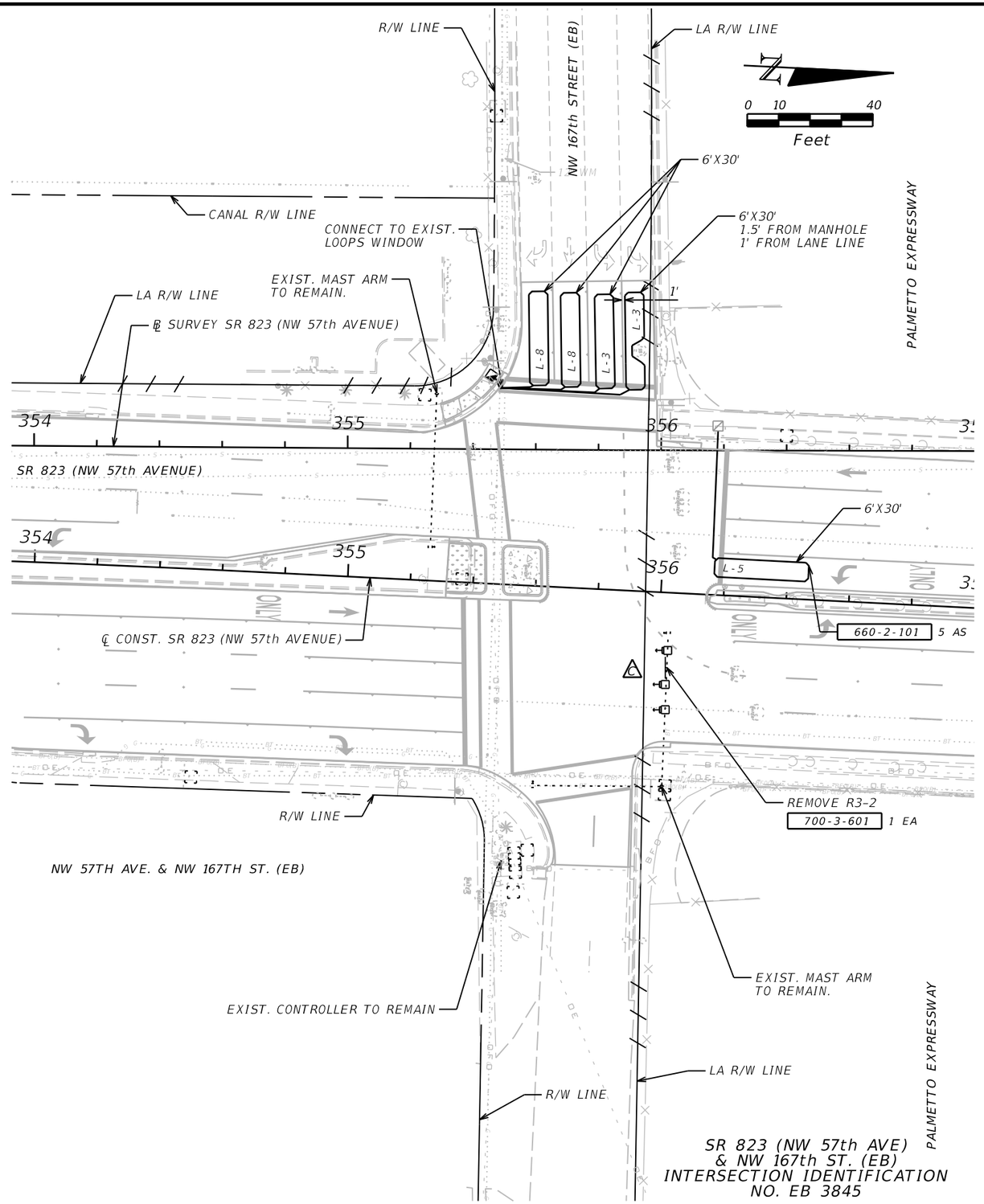
USER: chas.goblisch 11/23/2015 9:11:47 AM \\miafil01\Proj\2012 Projects\E9Y18800\700CADD\43080315201\signals\PLANSG06.DGN

DETECTORS FOR LOOPS			
LOOP	NO. OF LOOPS	EXISTING NO. OF DETS.	PROPOSED NO. OF LOOPS
L-3	2	1	2
L-5	1	1	1
L-8	2	1	2

OVERHEAD SIGNS

R3-2
REMOVE

R3-18
36"x36"
700-3-201



SR 823 (NW 57th AVE)
& NW 167th ST. (EB)
INTERSECTION IDENTIFICATION
NO. EB 3845

NOTES:

1. INITIAL CONTROLLER TIMING TO BE PROVIDED BY MIAMI-DADE COUNTY.
2. PULL BOXES FOR LOOP DETECTORS TO BE INSTALLED BY PROJECT 429135-1-52-01.
3. LOOP ASSEMBLIES SHALL BE 2' IN FRONT OF STOP BAR FOR ALL LANES.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNALIZATION PLAN (7)

SHEET NO.
T-11

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USER: chas.goblisch 11/23/2015 9:11:57 AM \\miafil01\Proj\2012 Projects\E9Y18800\700CADD\43080315201\signals\PLANSG07.DGN

PEDESTRIAN HEAD DETAILS

PED. SIGNAL (LED)
TO REMAIN

PED. SIGNAL (LED)
COUNT-DOWN
1-SECT., 1-WAY
653-1-11 1 AS

PUSHBUTTON SIGN

R10-3E (MODIFIED)
9" x 15"
INCLUDED WITH
ITEM No. 665-1-11
3-EXIST. WITH
EXIST. PUSHBUTTONS

SIGNAL HEAD DETAILS

3-SECT., 1-WAY
TO REMAIN

3-SECT., 1-WAY
TO REMAIN

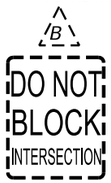
3-SECT., 1-WAY
TO REMAIN

DETECTORS FOR LOOPS			
LOOP	NO. OF LOOPS	EXISTING NO. OF DETS.	PROPOSED NO. OF LOOPS
L-1	1	1	1
L-4	2	1	2
L-7	2	1	2

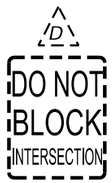
OVERHEAD SIGNS

60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN



EXIST. SIGN
TO REMAIN

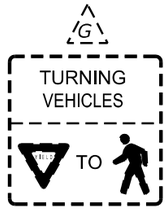


EXIST. SIGN
TO REMAIN

EXIST. SIGN
TO REMAIN

R3-18
36"X36"
700-3-201 1 EA

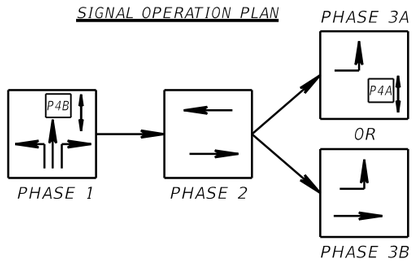
EXIST. SIGN
TO REMAIN



EXIST. SIGN
TO REMAIN

R3-2
REMOVE

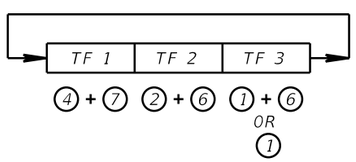
SIGNAL OPERATION PLAN



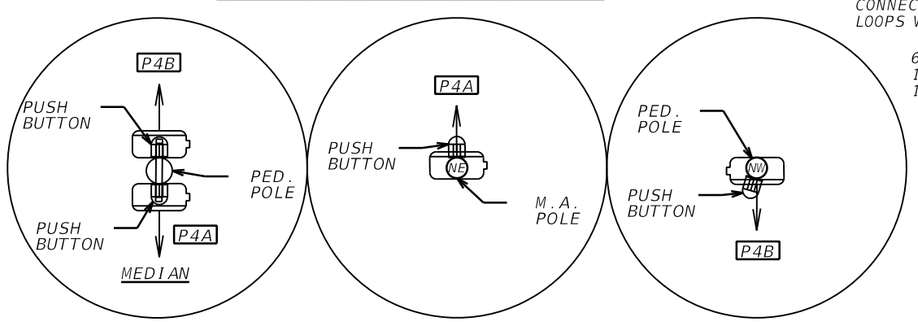
CONTROLLER OPERATION

1. MAJOR STREET: NW 57 AVE. (RED ROAD)
   MINOR STREET: NW 167 ST.
2. SIGNAL COORDINATION: PHASE 2
3. PHASE 2: RECALL
4. MOVEMENTS 1, 4 AND 7: ACTUATED
5. FLASHING OPERATION:
   MOVEMENTS 2 AND 6: YELLOW
   MOVEMENTS 1, 7 AND 4: RED

PPHASE MOVEMENT DIAGRAM

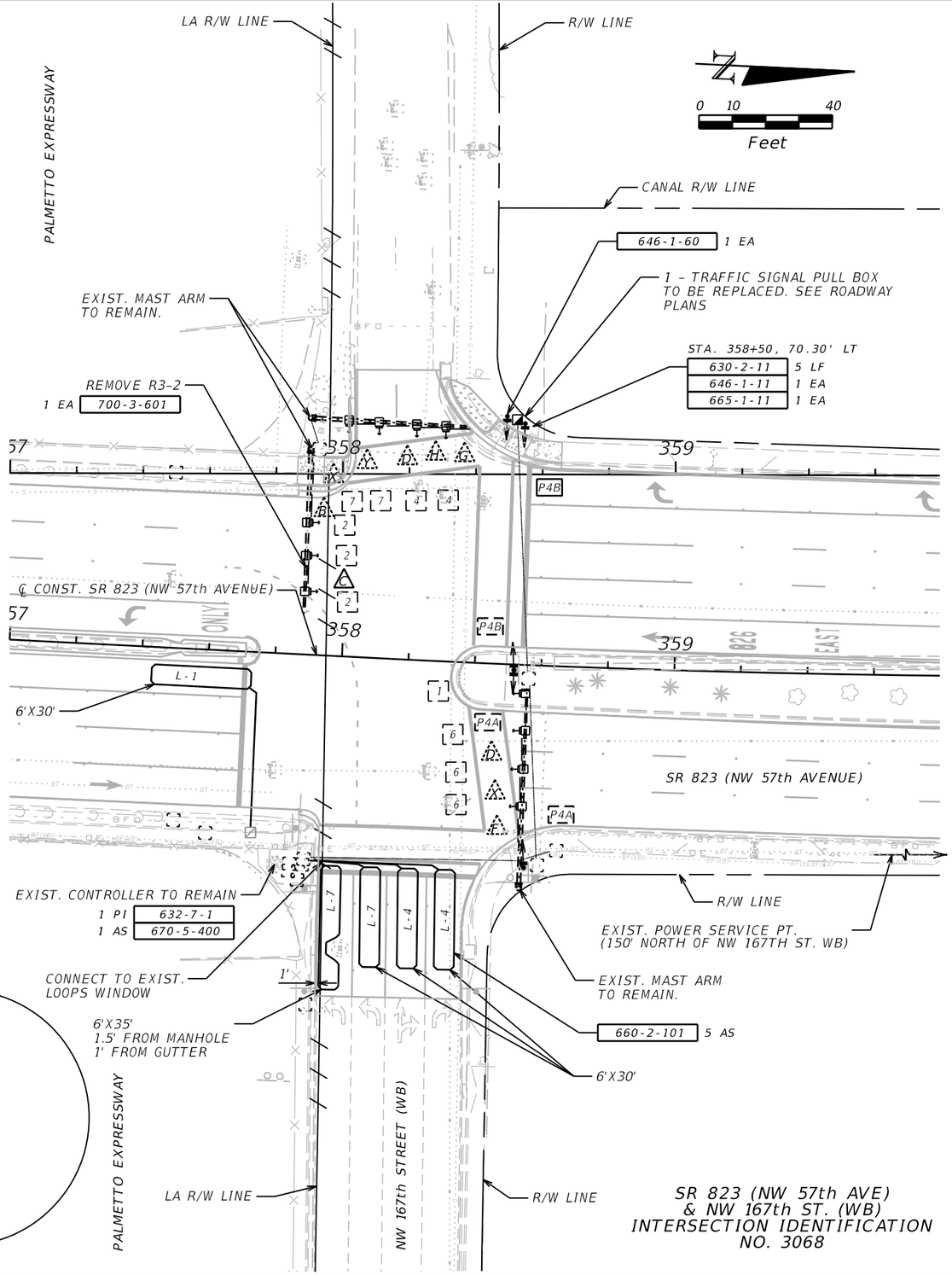


PEDESTRIAN PUSH BUTTON LOCATION



NOTES:

1. INITIAL CONTROLLER TIMING TO BE PROVIDED BY MIAMI-DADE COUNTY.
2. PULL BOXES FOR LOOP DETECTORS TO BE INSTALLED BY PROJECT 429135-1-52-01.
3. LOOP ASSEMBLIES SHALL BE 2' IN FRONT OF STOP BAR FOR ALL LANES.



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNALIZATION PLAN (8)

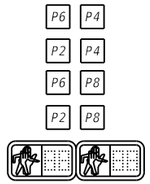
SHEET NO.
T-12

SIGNAL HEAD DETAILS

5-SECT., 1-WAY
TO REMAIN

3-SECT., 1-WAY
TO REMAIN

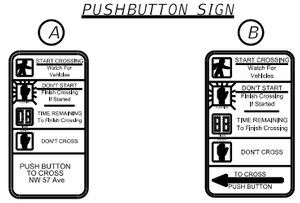
PEDESTRIAN HEAD DETAILS



PED. SIGNAL (LED)
COUNT-DOWN
1-SECT., 2-WAY

653-1-12 4 AS

PUSHBUTTON SIGN



R10-3E (MODIFIED)
9" x 15"
INCLUDED WITH
ITEM No. 665-1-11
[3 EA]

R10-3E
9" x 15"
INCLUDED WITH
ITEM No. 665-1-11
[1 EA]

OVERHEAD SIGNS

X

NW 57 AV
Red Road

60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

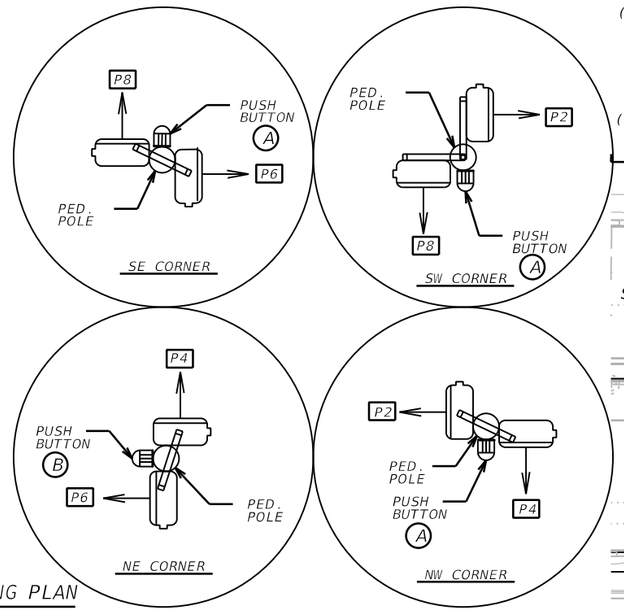
Y

NW 173 DR

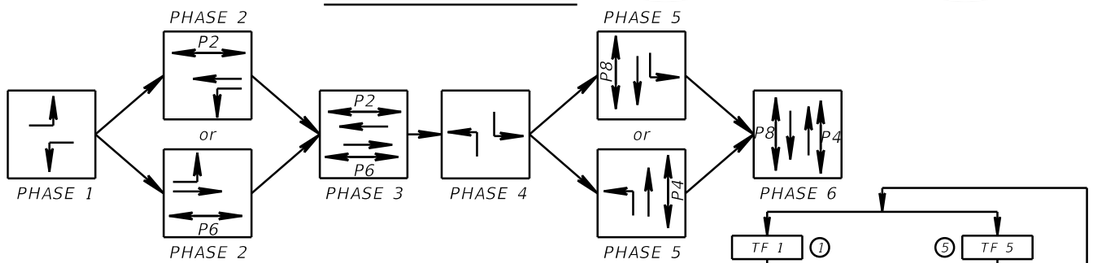
60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

DETECTORS FOR LOOPS		
LOOP	NO. OF LOOPS	EXISTING NO. OF DETS.
L-1	1	1
L-3	1	1
L-4	1	1
L-5	1	1
L-7	1	1
L-8	1	1

PEDESTRIAN PUSH BUTTON LOCATION

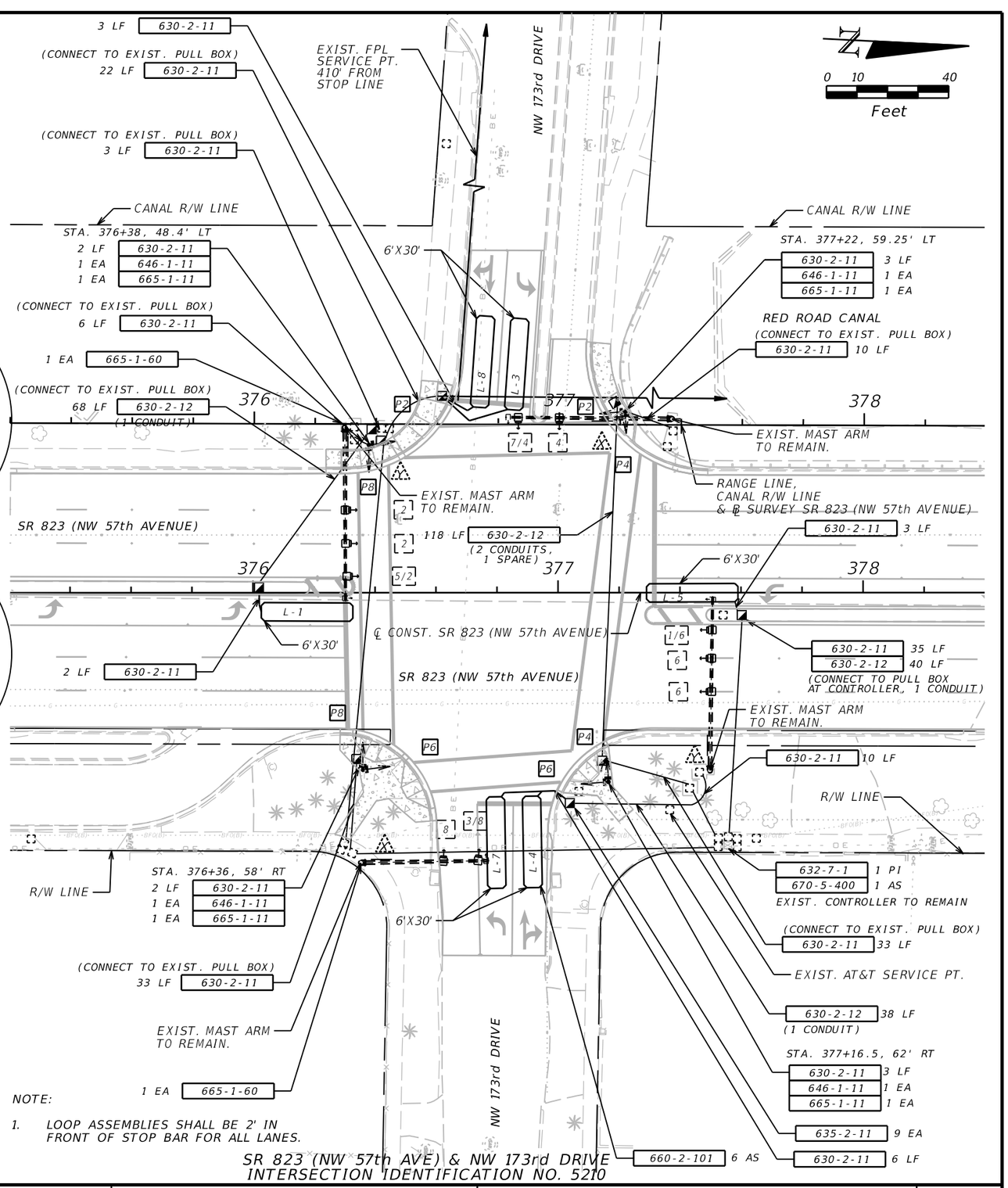


SIGNAL OPERATING PLAN



NOTE:

1. MAJOR STREET: NW 57 AVE (RED ROAD)
   MINOR STREET: NW 173 DR
2. PHASE 1, 2, 4, 5, 6 ACTUATED, PHASE 3 RECALL
   MOVEMENT 1, 5 WITH PHASE 3 AND MOVEMENT
   3, 7 WITH PHASE 6 ARE PERMISSIVE.
3. SIGNAL OPERATING PLAN 7
   SIGNAL COORDINATION PHASE 3
4. FLASHING OPERATION: 1, 2, 5, 6 YELLOW
   4, 8 RED
5. INITIAL CONTROLLER TIMING TO BE
   PROVIDED BY MIAMI-DADE COUNTY.



NOTE:

1. LOOP ASSEMBLIES SHALL BE 2' IN FRONT OF STOP BAR FOR ALL LANES.

SR 823 (NW 57th AVE) & NW 173rd DRIVE
INTERSECTION IDENTIFICATION NO. 5210

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNALIZATION PLAN (9)

SHEET NO.
T-13

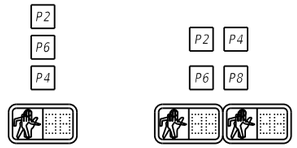
USER: chas.goblisch 11/23/2015 9:12:16 AM \\miafil01\Proj\2012 Projects\E9Y18800\700CADD\43080315201\signals\PLANSG09.DGN

SIGNAL HEAD DETAILS

5-SECT., 1-WAY
TO REMAIN

3-SECT., 1-WAY
TO REMAIN

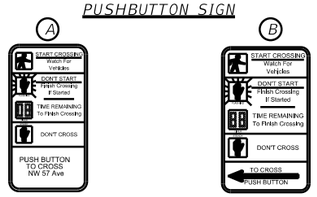
PEDESTRIAN HEAD DETAILS



PED. SIGNAL (LED)
COUNT-DOWN
1-SECT., 1-WAY
653-1-11 4 AS

PED. SIGNAL (LED)
COUNT-DOWN
1-SECT., 2-WAY
653-1-12 2 AS

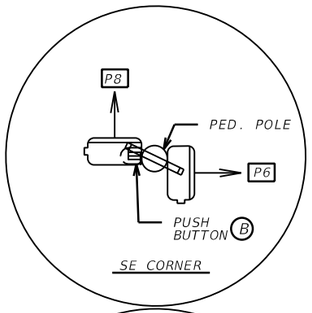
PUSHBUTTON SIGN



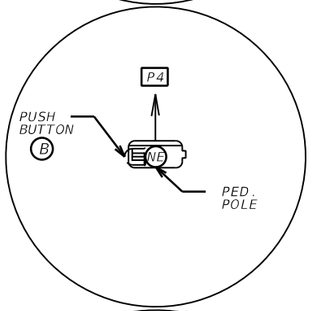
R10-3E (MODIFIED)
9" x 15"
INCLUDED WITH
ITEM No. 665-1-11
[2 EA]

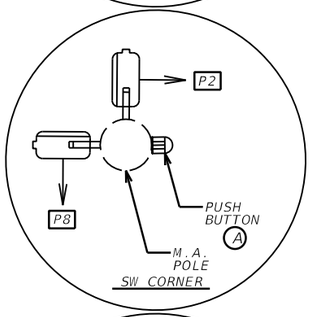
R10-3E
9" x 15"
INCLUDED WITH
ITEM No. 665-1-11
[2 EA]

PEDESTRIAN PUSH BUTTON LOCATION

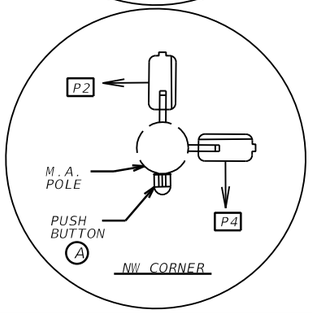


SE CORNER





SW CORNER



NW CORNER

OVERHEAD SIGNS

X

NW 57 AV
Red Road

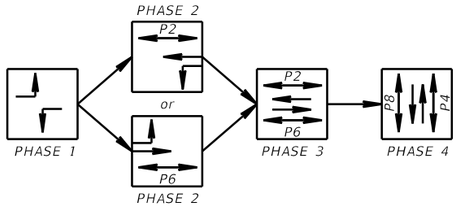
60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

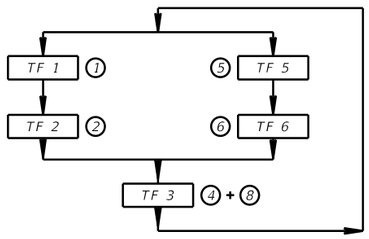
Y

NW 176 ST

60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

SIGNAL OPERATING PLAN





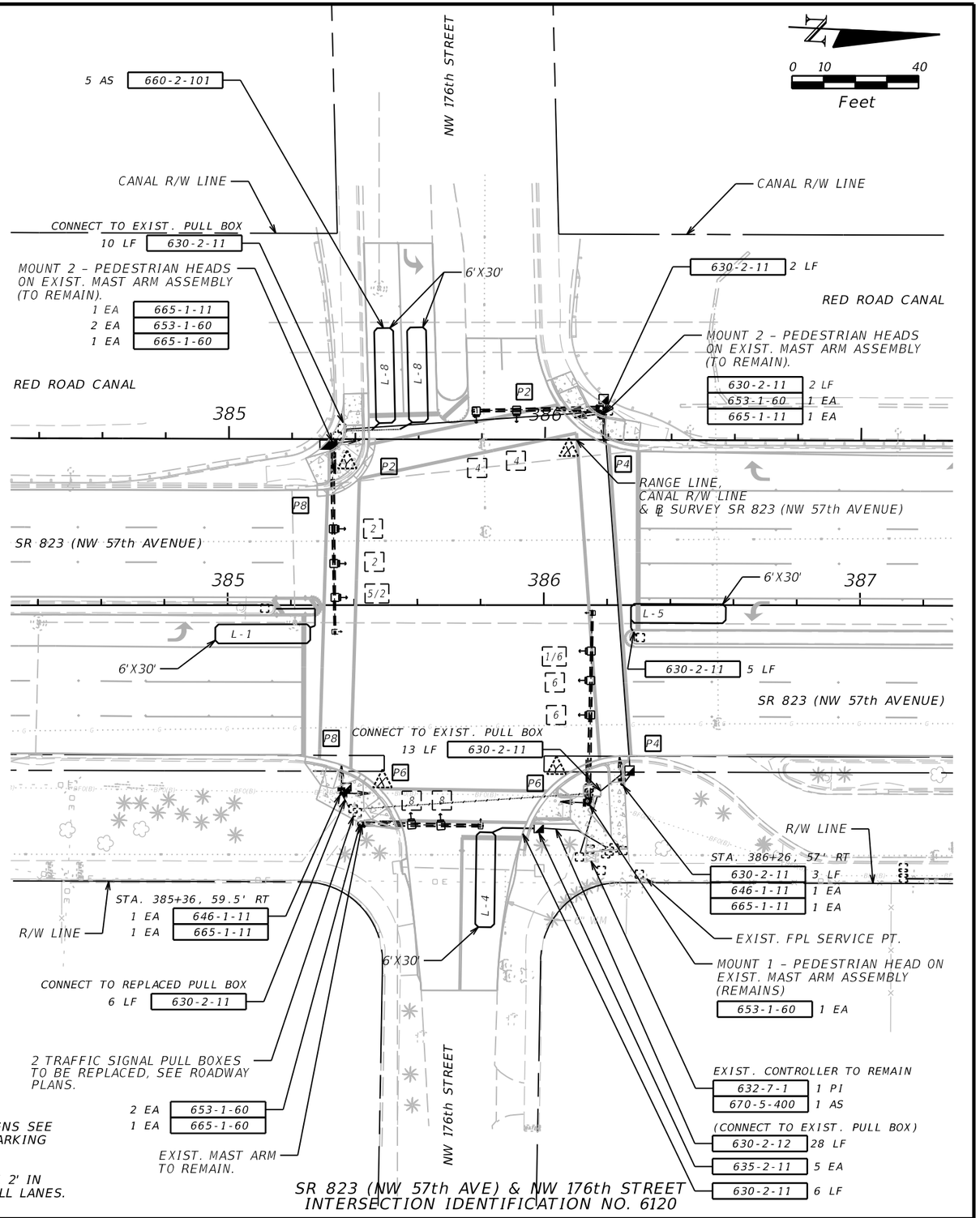
DETECTORS FOR LOOPS		
LOOP	NO. OF LOOPS	EXISTING NO. OF DETS.
L-1	1	1
L-4	1	1
L-5	1	1
L-8	2	1

NOTE:

1. MAJOR STREET: NW 57 AVE (RED ROAD)
   MINOR STREET: NW 176 ST
2. PHASE 1, 2, 4 ACTUATED, PHASE 3 RECALL
   MOVEMENT 1, 5 WITH PHASE 3 IS PERMISSIVE.
3. SIGNAL OPERATING PLAN 7
   SIGNAL COORDINATION PHASE 3
4. FLASHING OPERATION: 1, 2, 5, 6 YELLOW
   4, 8 RED
5. INITIAL CONTROLLER TIMING TO BE
   PROVIDED BY MIAMI-DADE COUNTY.

NOTES:

1. FOR "NO TURN ON RED" SIGNS SEE SIGNING AND PAVEMENT MARKING PLANS.
2. LOOP ASSEMBLIES SHALL BE 2' IN FRONT OF STOP BAR FOR ALL LANES.



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNALIZATION PLAN (10)

SHEET NO.
T-14

SIGNAL HEAD DETAILS

3-SECT., 1-WAY TO REMAIN

3-SECT., 1-WAY TO REMAIN

5-SECT., 1-WAY TO REMAIN

OVERHEAD SIGNS

X

NW 57 AV
Red Road

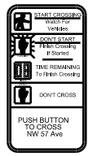
60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

Y

MIAMI GARDENS DR
NW 183 ST

60"X24"
MAST ARM MOUNTED
INTERNALLY ILLUMINATED
STREET NAME SIGN
TO REMAIN

PUSHBUTTON SIGN

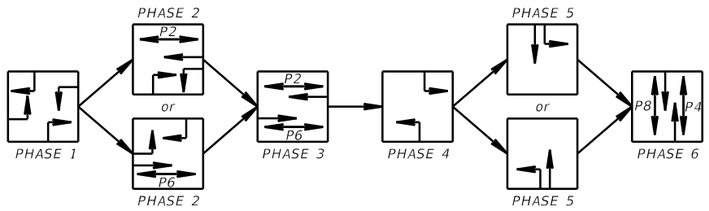


R10-3E (MODIFIED)
9" x 15"
INCLUDED WITH
ITEM No. 665-1-11
[4 EA]

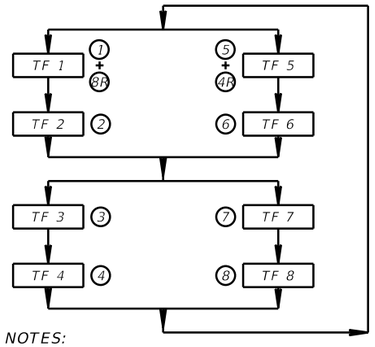
T

R3-4 (24"X24")
TO REMAIN

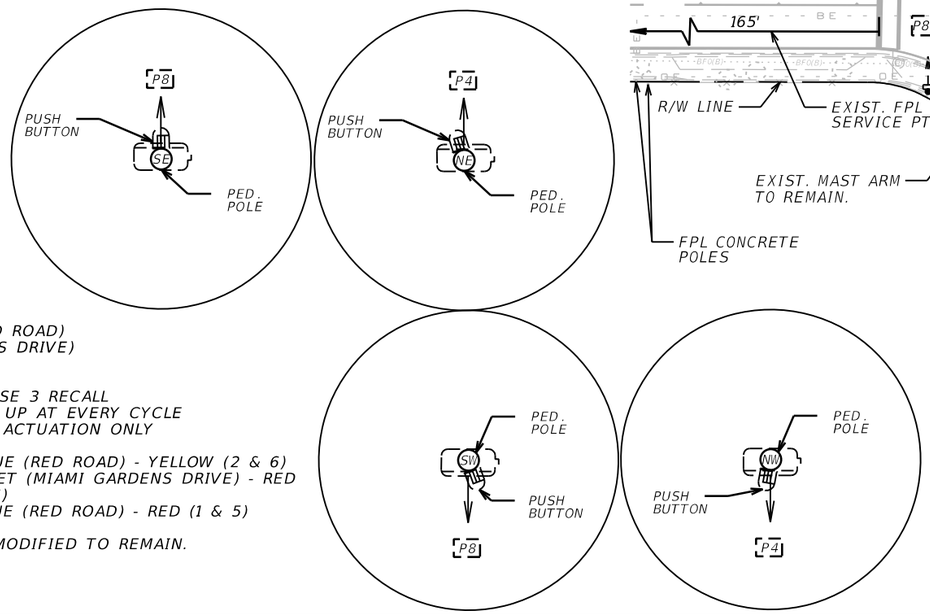
SIGNAL OPERATING PLAN



DETECTORS FOR LOOPS		
LOOP	NO. OF LOOPS	EXISTING NO. OF DETS.
L-1	2	1
L-3	2	1
L-4	3	2
L-5	2	1
L-7	2	1
L-8	3	2
L-4R	1	1
L-8R	1	1

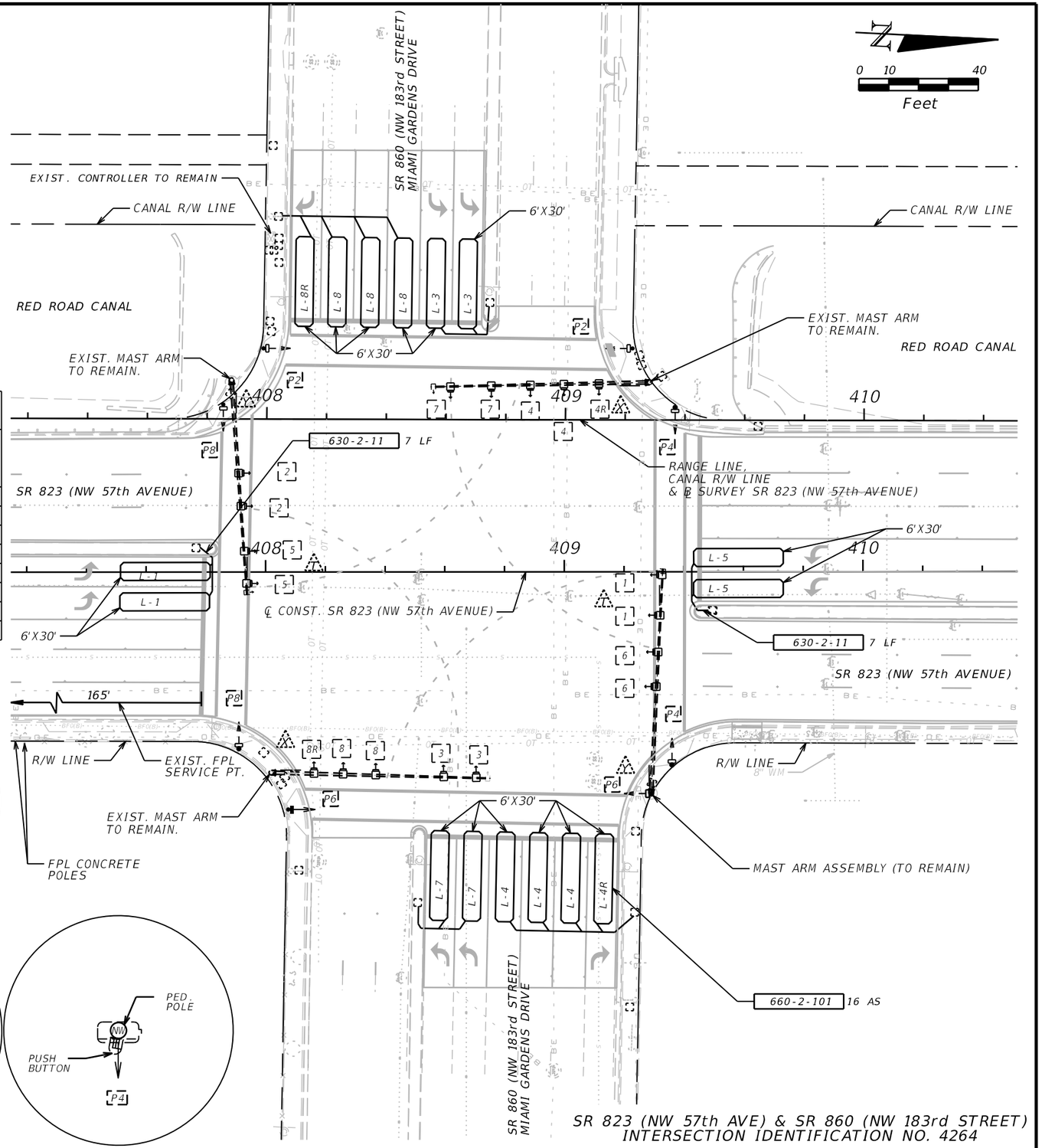


PEDESTRIAN PUSHBUTTON LOCATION



NOTES:

1. MAJOR STREET: N.W. 57TH AVENUE (RED ROAD)
   MINOR STREET: SR 860 (MIAMI GARDENS DRIVE)
   (NW 183RD STREET)
2. PHASE 1, 2, 4, 5 AND 6 ACTUATED, PHASE 3 RECALL
   PEDESTRIAN SIGNALS P2 AND P6 COME UP AT EVERY CYCLE
   PEDESTRIAN SIGNALS P4 AND P8 UPON ACTUATION ONLY
3. FLASHING OPERATION: N.W. 57TH AVENUE (RED ROAD) - YELLOW (2 & 6)
   N.W. 183RD STREET (MIAMI GARDENS DRIVE) - RED
   (ALL MOVEMENTS)
   N.W. 57TH AVENUE (RED ROAD) - RED (1 & 5)
4. EXISTING SIGNAL OPERATING PLAN 10 MODIFIED TO REMAIN.
5. INITIAL CONTROLLER TIMING TO BE
   PROVIDED BY MIAMI-DADE COUNTY.



SR 823 (NW 57th AVE) & SR 860 (NW 183rd STREET)
INTERSECTION IDENTIFICATION NO. 4264

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

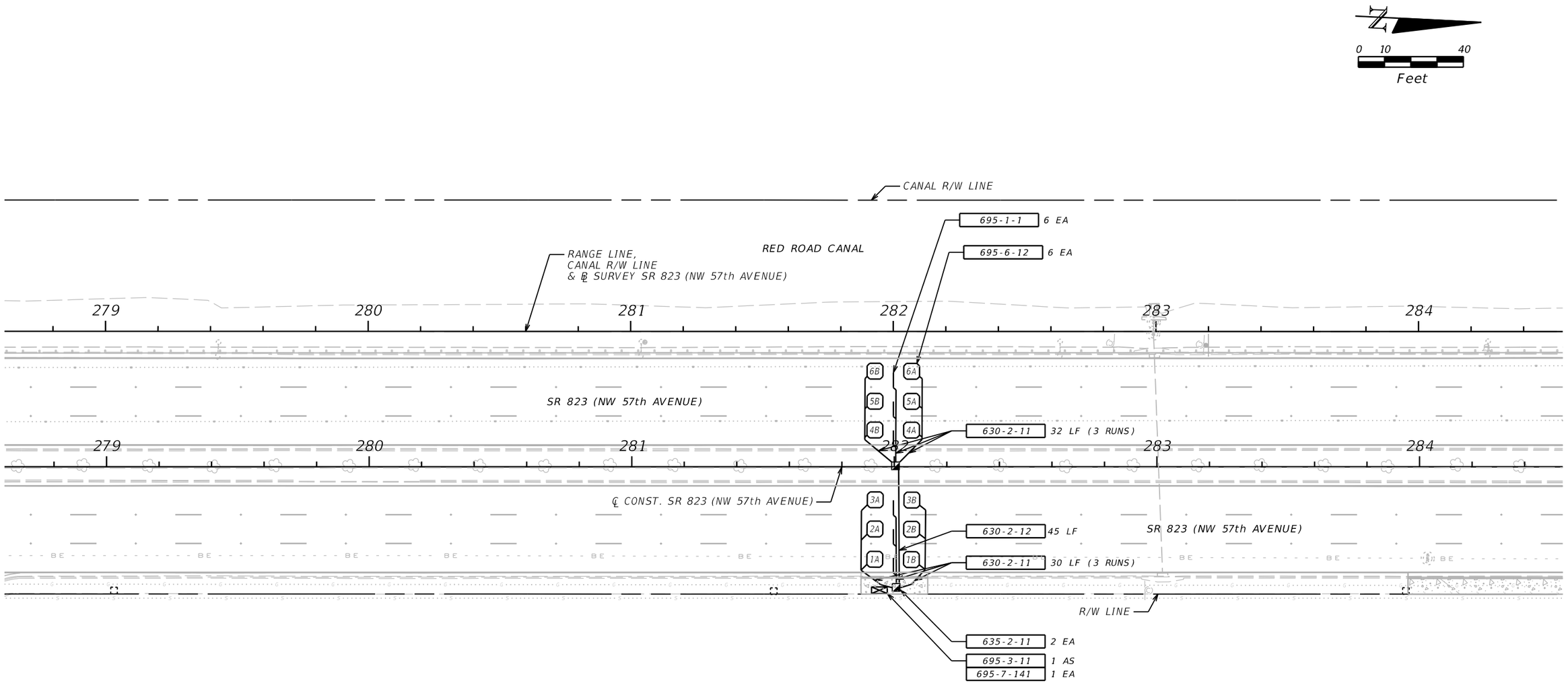
ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

SIGNALIZATION PLAN (11)

SHEET NO.
T-15



PTMS STATION 870038

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

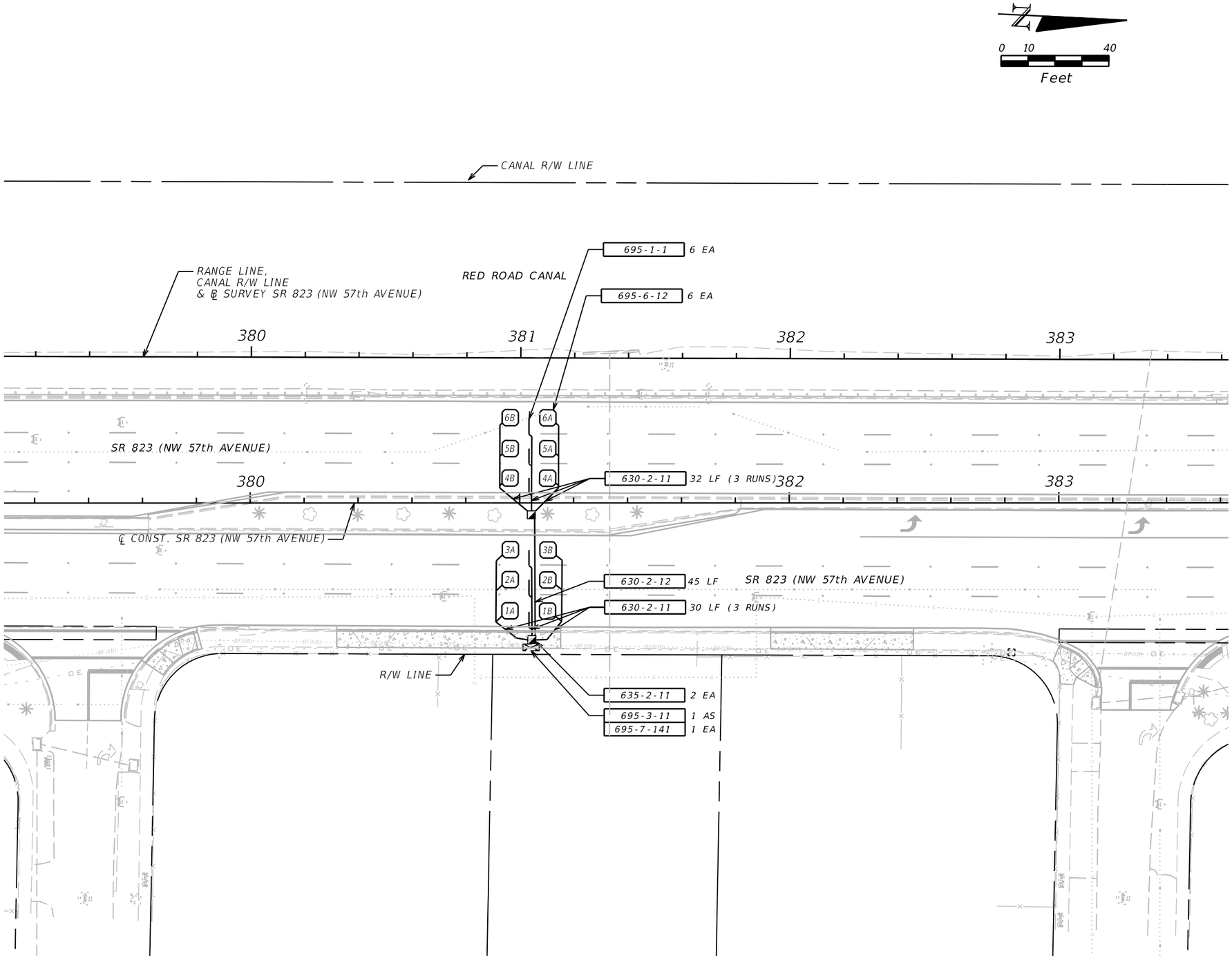
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TRAFFIC MONITORING SITE (1)

SHEET NO.
T-16

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

USER: chas.goblisch 11/23/2015 9:12:40 AM \\miafil01\Proj\2012 Projects\E9Y18800\700CADD\43080315201\signals\PLANSG12.DGN



PTMS STATION 871190

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

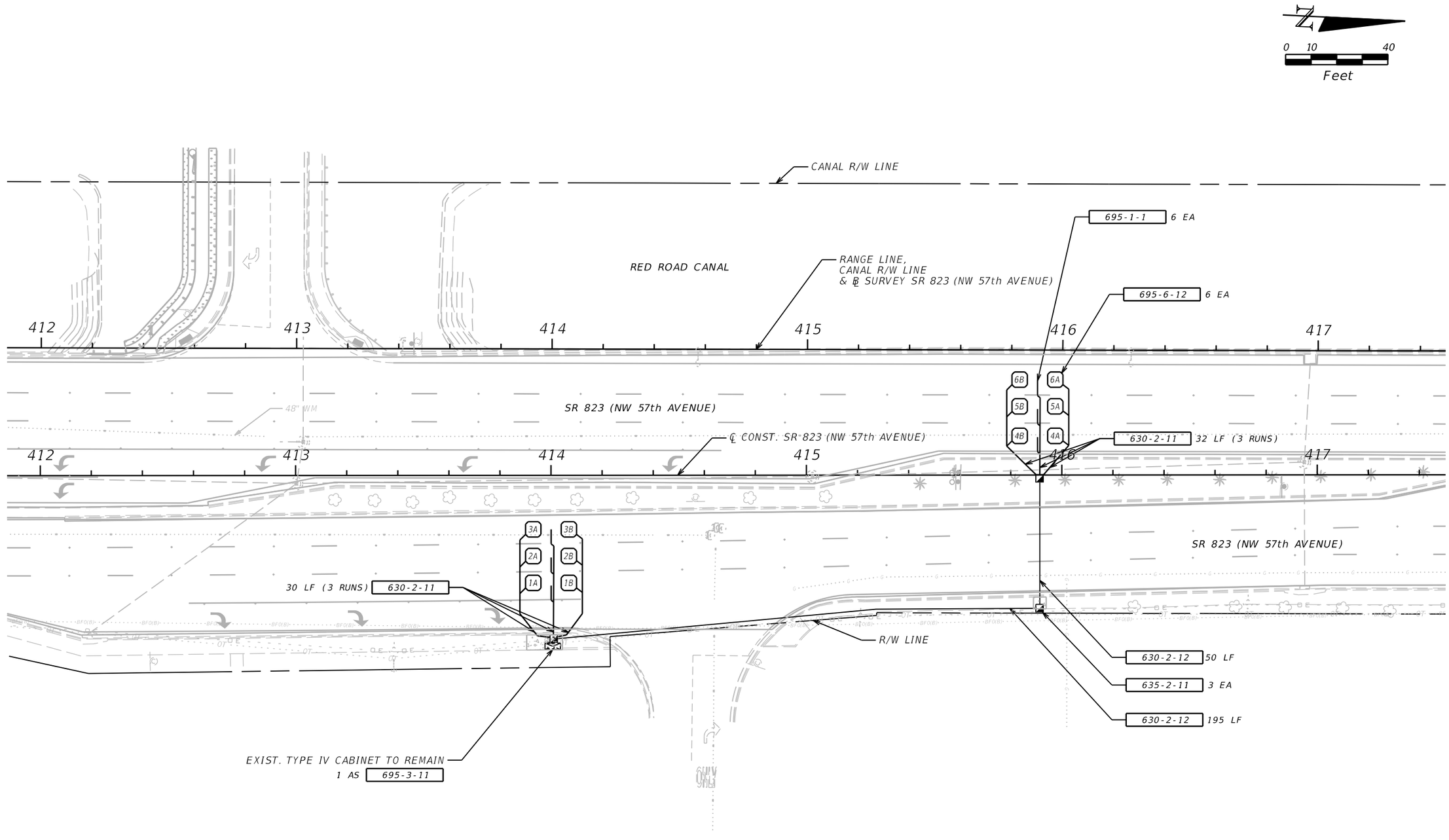
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TRAFFIC MONITORING SITE (2)

SHEET NO. T-17

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



PTMS STATION 872514

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
PAUL VETTER, P.E. P.E. No. 59644

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	430803-1-52-01

TRAFFIC MONITORING SITE (3)

SHEET NO. T-18

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

USER: chas.goblisch 11/23/2015 9:12:54 AM \\miafil01\Proj\2012 Projects\E9Y18800\700CADD\43080315201\signals\PLANSG14.DGN

APPENDIX F-4

FPID 431433-3-52-01

(FY 2021)

Project Info [431433-3] (Click to collapse)

Item Segment (Click to collapse)

District:	Version:	PSEE Project Manager:	WP Project Manager:
District 6	G1		KHAN, SAUD

Item Segment Description: MIAMI-DADE TRAFFIC OPS PUSHBUTTON - ROADS MISCELLANEOUS CONSTRUCTION

Item Segment Comments: CNT# E6M53 $815,000.00 (BUDGETARY CEILING AMOUNT)

Location (Click to collapse)

County	Roadway ID	Roadway Side	Number of Lanes	MP From/To	Section Work Length
MIAMI-DADE					

Work Length: **Project Length:**

Description (Click to collapse)

Work Mix:	Status:	Contract Class:	Federal Oversight:
9924 - MISCELLANEOUS CONSTRUCTION	UNDER CONSTRUCTION	7 - DISTRICT LET	NO

Trans System: 03 - INTRASTATE STATE HIGHWAY

Item Segment Groups (Click to collapse)

Group	Description	Date
ITS	Intelligent Trans Sys Projects	10/26/2017
PB	Push Button Contract	8/19/2015
T	Traffic Ops.	7/14/2014

Important Project Dates **(Click to collapse)**

Production Date: 3/25/2020 A
Plans to District: 6/1/2020 A
Letting Date: 9/24/2020

PSEE Project Documents **(Click to collapse)**

No Documents Found

APPENDIX F-5

Plans from Previous

FPID 433425-1-52-01

(FY 2016)

CONSTRUCTION CONTRACT NO. 00000

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

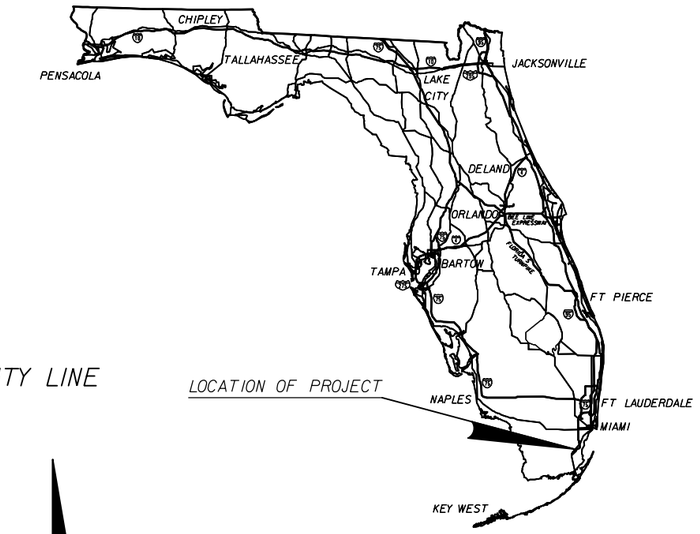
FINANCIAL PROJECT ID 433425-1-52-01

MIAMI-DADE COUNTY (87002000)

STATE ROAD NO. 823

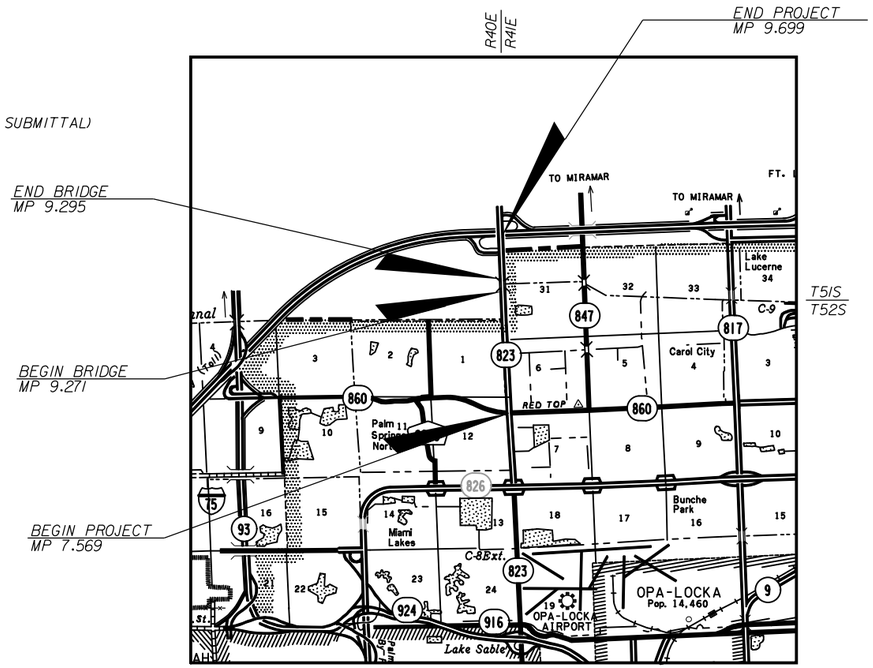
RED ROAD/ NW57TH AVENUE FROM NW 183RD STREET TO THE COUNTY LINE

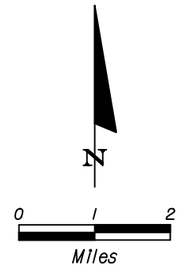
LANDSCAPE PLANS



INDEX OF LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2	SIGNATURE SHEET
LD-3	SUMMARY OF QUANTITIES
LD-4	TABULATION OF QUANTITIES
LD-5	EXISTING TREE DISPOSITION
LD-6	DISTRICT GENERAL AND UTILITY NOTES
LD-7	DISTRICT LANDSCAPE NOTES
LD-8 - LD-28	LANDSCAPE PLANS
LD-29 - LD-31	TEMPORARY TRAFFIC CONTROL PLAN
LD-32 - LD-33	PROJECT NETWORK CONTROL (NOT INCLIDED IN THIS SUBMITTAL)





HARRY BELTON, RLA
ATKINS
3230 W. COMMERCIAL BLVD., SUITE 100
FORT LAUDERDALE, FLORIDA 33309
PHONE: (954) 733-7233
VENDOR NO. 59-0896138

PLANS PREPARED BY:

ATKINS
3230 W. COMMERCIAL BLVD., SUITE 100
FORT LAUDERDALE, FLORIDA 33309
PHONE: (954) 733-7233
VENDOR NO. 59-0896138
CONTRACT NO. C-9192
CERTIFICATE OF AUTHORIZATION NO. 24

GOVERNING STANDARDS AND SPECIFICATIONS:

Florida Department of Transportation, JANUARY 2016 Design Standards and revised Index Drawings as appended herein, and JANUARY 2016 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

For Design Standards click on the "Design Standards" link at the following web site:
http://www.dot.state.fl.us/rddesign/

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:
http://www.dot.state.fl.us/specificationsoffice/

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

PROJECT LENGTH IS BASED ON ℄ OF CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	11119.68	2.106
BRIDGES	126.72	0.024
NET LENGTH OF PROJECT	11246.40	2.130
EXCEPTIONS	0.000	0.000
GROSS LENGTH OF PROJECT	11246.40	2.130

FDOT PROJECT MANAGER: KIRK HOOSAC, R.L.A.

REVISIONS

KEY SHEET REVISIONS	
DATE	DESCRIPTION

LANDSCAPE PLANS
LANDSCAPE
ARCHITECT OF RECORD: HARRY L. BELTON, R.L.A.

R.L.A. NO.: 900

FISCAL YEAR	SHEET NO.
16	LD-1

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

ATKINS
3230 W. COMMERCIAL BLVD., SUITE 100
FORT LAUDERDALE, FLORIDA 33309
PHONE: (954) 733-7233
VENDOR NO.: F-590-896-138-001
CERTIFICATE OF AUTHORIZATION NO. 24
HARRY L. BELTON, R.L.A. #900

THE ABOVE NAMED PROFESSIONAL LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH THE RULE 61G10-11.011, F.A.C.

LANDSCAPE PLANS:

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2	SIGNATURE SHEET
LD-4	TABULATION OF QUANTITIES
LD-5	EXISTING TREE DISPOSITION
LD-6	DISTRICT GENERAL AND UTILITY NOTES
LD-7	DISTRICT LANDSCAPE NOTES
LD-8 - LD-28	LANDSCAPE PLAN

ATKINS
3230 W. COMMERCIAL BLVD., SUITE 100
FORT LAUDERDALE, FLORIDA 33309
PHONE: (954) 733-7233
VENDOR NO.: F-590-896-138-001
CERTIFICATE OF AUTHORIZATION NO. 24
RAUL L. ANDUJAR, P.E. #62989

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH THE RULE 61G15-23.003, F.A.C.

LANDSCAPE PLANS:

SHEET NO.	SHEET DESCRIPTION
LD-2	SIGNATURE SHEET
LD-3	SUMMARY OF PAY ITEMS
SQ-1 - SQ-3	SUMMARY OF QUANTITIES
LD-23 - LD-24	TRAFFIC CONTROL PLAN
LD-25	GUIDE SIGN WORK SHEET

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ATKINS NORTH AMERICA, INC
3230 W. Commercial Blvd., Ste. 100
Ft. Lauderdale, FL 33309
(954) 733-7233
Certificate of Authorization No. 24
Harry L. Belton, R.L.A. No.: 900

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

SIGNATURE SHEET

SHEET NO.
LD-2

PLANT SCHEDULE

SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	REMARKS	UNIT	SHEET LD-8	SHEET LD-9	SHEET LD-10	SHEET LD-11	SHEET LD-12	SHEET LD-13	SHEET LD-14	SHEET LD-15	SHEET LD-16	SHEET LD-17	SHEET LD-18
BB	BUCIDA BUCERUS	BLACK OLIVE	12' HT. X 6' SPR.	2-1/2" CALIPER	EA											
BN	BISMARCKIA NOBILIS	BISMARK PALM	14' CT		EA											
BS	BURSERA SIMARUBA	GUMBO LIMBO	14' HT. X 7' SPR.	4" CALIPER	EA											
CES	CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	12' HT. X 6' SPR.	2-1/2" CALIPER	EA											
DR	DELONIX REGIA	ROYAL POINCIANA	12' HT. X 6' SPR.	2-1/2" CALIPER	EA											
ER	EUGENIA RHOMBEA	RED STOPPER	8' HT. X 4' SPR.	1-1/2" CALIPER	EA											
LL	LATANIA LODDIGESII	BLUE LATAN PALM	6' C.T.		EA											
LIM	LAGERSTROEMIA INDICA 'MUSKOGEE'	MUSKOGEE CRAPE MYRTLE	12' HT. X 6' SPR.	2-1/2" CALIPER	EA											
LIN	LAGERSTROEMIA INDICA 'NATCHEZ'	NATCHEZ CRAPE MYRTLE	12' HT. X 6' SPR.	2-1/2" CALIPER	EA											
NO	NERIUM OLEANDER	OLEANDER	6' HT OA		EA											
PDM	PHOENIX DACTYLIFERA 'MEDJOOL'	MEDJOOL DATE PALM	10'-18' C.W.	SEE PLAN FOR HEIGHTS	EA											
QV	QUERCUS VIRGINIANA	LIVE OAK	16' HT. X 8' SPR.	4" CALIPER	EA			1					2			
RR	ROYSTONEA REGIA	ROYAL PALM	10'-18' G.W.	SEE PLAN FOR HEIGHTS	EA											
SM	SWIETENIA MAHAGONI	MAHOGANY	16' HT. X 8' SPR.	4" CALIPER	EA							3				14
SP	SABAL PALMETTO	SABAL PALM	14' (MIN.)-22' C.T.	STAGGER HEIGHTS	EA							12	15	7	5	10
RLC	RELOCATED EXISTING LIVISTONA CHINENSIS		6'-8' O.A.		EA											8

PLANT SCHEDULE

SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	REMARKS	UNIT	SHEET LD-19	SHEET LD-20	SHEET LD-21	SHEET LD-22	SHEET LD-23	SHEET LD-24	SHEET LD-25	SHEET LD-26	SHEET LD27	SHEET LD-28	
BB	BUCIDA BUCERUS	BLACK OLIVE	12' HT. X 6' SPR.	2-1/2" CALIPER	EA						1	21	14	27	17	
BN	BISMARCKIA NOBILIS	BISMARK PALM	14' CT		EA										13	
BS	BURSERA SIMARUBA	GUMBO LIMBO	14' HT. X 7' SPR.	4" CALIPER	EA							12	10	3		
CES	CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	12' HT. X 6' SPR.	2-1/2" CALIPER	EA		13		4	11	2					
DR	DELONIX REGIA	ROYAL POINCIANA	12' HT. X 6' SPR.	2-1/2" CALIPER	EA		3	3		1		4		1	8	
ER	EUGENIA RHOMBEA	RED STOPPER	8' HT. X 4' SPR.	1-1/2" CALIPER	EA		20	7	12	15	5					
LL	LATANIA LODDIGESII	BLUE LATAN PALM	6' C.T.		EA									19		
LIM	LAGERSTROEMIA INDICA 'MUSKOGEE'	MUSKOGEE CRAPE MYRTLE	12' HT. X 6' SPR.	2-1/2" CALIPER	EA		3	5	5							
LIN	LAGERSTROEMIA INDICA 'NATCHEZ'	NATCHEZ CRAPE MYRTLE	12' HT. X 6' SPR.	2-1/2" CALIPER	EA		5	17	13	15						
NO	NERIUM OLEANDER	OLEANDER	6' HT OA		EA									54	6	
PDM	PHOENIX DACTYLIFERA 'MEDJOOL'	MEDJOOL DATE PALM	10'-18' C.W.	SEE PLAN FOR HEIGHTS	EA									16		
QV	QUERCUS VIRGINIANA	LIVE OAK	16' HT. X 8' SPR.	4" CALIPER	EA						2	30	17	6		
RR	ROYSTONEA REGIA	ROYAL PALM	10'-18' G.W.	SEE PLAN FOR HEIGHTS	EA							10	13			
SM	SWIETENIA MAHAGONI	MAHOGANY	16' HT. X 8' SPR.	4" CALIPER	EA		1	7		19	7	3		4	13	
SP	SABAL PALMETTO	SABAL PALM	14' (MIN.)-22' C.T.	STAGGER HEIGHTS	EA	7	9	5	10	14	24		10			
RLC	RELOCATE EXISTING LIVISTONA CHINENSIS		6'-8' O.A.		EA	4										

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ATKINS NORTH AMERICA, INC
3230 W. Commercial Blvd., Ste. 100
Ft. Lauderdale, FL 33309
(954) 733-7233
Certificate of Authorization No. 24
Harry L. Belton, R.L.A. No.: 900

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

TABULATION OF QUANTITIES

SHEET NO.
LD-4

EXISTING TREE DISPOSITION TABLE

SHEET #	BOTANICAL NAME	COMMON NAME	SIZE	CAL.	EXISTING CONDITION	DISPOSITION	COMMENTS
LD-13	SWIETENIA MAHAGONI	MAHOGANY	14' HT X 8' SPR	4" CAL	POOR	REMOVE	
LD-14	QUERCUS VIRGINIANA	LIVE OAK	14' HT X 8' SPR	4" CAL	DEAD	REMOVE	
LD-14	QUERCUS VIRGINIANA	LIVE OAK	14' HT X 8' SPR	4" CAL	POOR	REMOVE	
LD-15	SABAL PALMETTO	SABAL PALM	12' CT	11" CAL	DEAD	REMOVE	
LD-16	SABAL PALMETTO	SABAL PALM	12' CT	11" CAL	DEAD	REMOVE	
LD-16	SABAL PALMETTO	SABAL PALM	12' CT	11" CAL	DEAD	REMOVE	
LD-16	SABAL PALMETTO	SABAL PALM	12' CT	11" CAL	DEAD	REMOVE	
LD-16	SABAL PALMETTO	SABAL PALM	12' CT	11" CAL	DEAD	REMOVE	
LD-16	SABAL PALMETTO	SABAL PALM	12' CT	11" CAL	DEAD	REMOVE	
LD-16	SENNA POLYPHYLLA	DESERT CASSIA	6' HT	3" CAL	VERY POOR	REMOVE	
LD-16	SENNA POLYPHYLLA	DESERT CASSIA	6' HT	3" CAL	VERY POOR	REMOVE	
LD-16	SENNA POLYPHYLLA	DESERT CASSIA	6' HT	3" CAL	VERY POOR	REMOVE	
LD-17	LAGERSTROEMIA INDICA	CREPE MYRTLE	9' HT	4" CAL	DEAD	REMOVE	
LD-17	SENNA POLYPHYLLA	DESERT CASSIA	6' HT	3" CAL	VERY POOR	REMOVE	
LD-17	SENNA POLYPHYLLA	DESERT CASSIA	6' HT	3" CAL	VERY POOR	REMOVE	
LD-17	SENNA POLYPHYLLA	DESERT CASSIA	6' HT	3" CAL	VERY POOR	REMOVE	
LD-18	LIVISTONA CHINENSIS	CHINESE FAN PALM	3' CT	5" CAL	GOOD	RELOCATE	
LD-18	QUERCUS VIRGINIANA	LIVE OAK	14' HT X 8' SPR	4" CAL	DEAD	REMOVE	
LD-18	LIVISTONA CHINENSIS	CHINESE FAN PALM	3' CT	5" CAL	GOOD	RELOCATE	
LD-18	LIVISTONA CHINENSIS	CHINESE FAN PALM	3' CT	5" CAL	GOOD	RELOCATE	
LD-18	LIVISTONA CHINENSIS	CHINESE FAN PALM	3' CT	5" CAL	GOOD	RELOCATE	
LD-18	LIVISTONA CHINENSIS	CHINESE FAN PALM	3' CT	5" CAL	GOOD	RELOCATE	
LD-18	LIVISTONA CHINENSIS	CHINESE FAN PALM	3' CT	5" CAL	GOOD	RELOCATE	
LD-18	LIVISTONA CHINENSIS	CHINESE FAN PALM	3' CT	5" CAL	GOOD	RELOCATE	
LD-18	LIVISTONA CHINENSIS	CHINESE FAN PALM	3' CT	5" CAL	GOOD	RELOCATE	
LD-18	LIVISTONA CHINENSIS	CHINESE FAN PALM	3' CT	5" CAL	GOOD	RELOCATE	
LD-18	LIVISTONA CHINENSIS	CHINESE FAN PALM	3' CT	5" CAL	GOOD	RELOCATE	
LD-28	ROYSTONEA REGIA	ROYAL PALM	12' GW	14" CAL	POOR	REMOVE	

NOTE: ALL EXISTING TREES ARE TO REMAIN UNLESS OTHERWISE NOTED IN THE EXISTING TREE DISPOSITION TABLE AND IN THE PLANS

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

EXISTING TREE DISPOSITION

SHEET NO.
LD-5

GENERAL NOTES

1) IF ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, IMMEDIATELY NOTIFY THE ENGINEER IN CONJUNCTION WITH THE DISTRICT LOCATION SURVEYOR.

2) THE CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK. CLEANING AND SWEEPING IS TO BE INCLUDED IN ITEM 102-1 MAINTENANCE OF TRAFFIC.

3) THE CONTRACTOR SHALL PERFORM AN INVENTORY OF ALL EXISTING STREET LIGHTING, TRAFFIC SIGNAL AND OTHER ELECTRIC AND COMMUNICATION INSTALLATIONS (POLES, PULL BOXES, CONTROLLER CABINET, SERVICE POINTS, ETC.) WITHIN THE AFFECTED LIMITS. AFFECTED LIMITS INCLUDE ALL AREAS WHERE CLEARING AND GRUBBING, EXCAVATION, REMOVAL OF SIDEWALK, OR ANY SPECIFIED ELECTRICAL WORKS ARE BEING PERFORMED. THE CONTRACTOR SHALL SUBMIT A REPORT OF THE CONDITION OF EACH INSTALLATION AND ITS CONTENT TO THE ENGINEER PRIOR TO THE BEGINNING OF CONSTRUCTION; INCLUDING PHOTOGRAPHS OF ANY IDENTIFY DEFICIENCIES.

ENVIRONMENTAL NOTES

1) THE CONTRACTOR SHALL REVIEW ENVIRONMENTAL REQUIREMENTS OF ANY PROPOSED STAGING AREAS WITH THE DISTRICT ENVIRONMENTAL PERMITS COORDINATOR AT (305) 470-5223 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO USE.

2) ANY MATERIAL TO BE STOCKPILED FOR PERIODS GREATER THAN 24 HOURS SHALL BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES. COST TO BE INCLUDED IN THE RELATED BID ITEM.

3) ALL EXISTING TREES ARE TO REMAIN UNLESS OTHERWISE DESIGNATED ON THE PLANS.

4) THE CONTRACTOR SHALL NOT STAGE OR OPERATE EQUIPMENT WITHIN THE DRIPLINE OF TREES.

5) NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT WILL BE ALLOWED WITHIN OR ADJACENT TO THE SNAKE CREEK CANAL.

UTILITY NOTES

1) FOR UTILITY ADJUSTMENT SYMBOLS, SEE STANDARD INDEX NO.002.

2) ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.

3) TWO FULL BUSINESS DAYS PRIOR TO DIGGING THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL OF FLORIDA, TELEPHONE NUMBER 811, AND THE UTILITY OWNER AND REQUEST UTILITY LOCATIONS. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

4) TWO FULL BUSINESS DAYS PRIOR TO DIGGING NOTIFY THE ENGINEER AND CALL THE FDOT MAINTENANCE DEPARTMENT, TELEPHONE NUMBER (305) 640-7160 AND REQUEST LIGHTING CONDUITS LOCATIONS.

5) PRE-TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES STRUCTURES, FRENCH DRAINS, SLAB COVERED TRENCHES, CONDUITS, POLE FOUNDATIONS AND/OR SUB-GRADE SHALL BE PERFORMED SEVEN DAYS IN ADVANCE OF ITS CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS AND THE DEPARTMENT WITH A SEVEN DAYS ADVANCE NOTICE OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS. PAYMENT FOR PRE-TRENCHING, SURVEY AND BACKFILLING SHALL BE INCLUDED IN THE COST OF THE RELATED BID ITEM FOR THE WORK BEING DONE.

6) UTILITY OWNERS	CONTACT NAME	TELEPHONE NUMBERS
ATLANTIC BROADBAND	MR. DAVID McBRIDE	305-861-8069 EXT.5204
AT&T	MR. STEVE MASSIE	305-222-8745
CENTURY LINK CORE NETWORK	MR. GEORGE McELVAINE	303-299-0170
COLUMBUS NETWORKS	MR. BILL DIETZ	786-274-7400
COMCAST	MR. LEONARD MAXWELL-NEWBOLD	954-447-8405
CROWN CASTLE NG	MR. RICK SANDALA	724-416-2180
EVERGLADES PIPELINE CO.	MR. GARY WURSTER	954-522-8464
FDOT TRAFFIC OPERATIONS	MS. IVETTE FUNTANELLAS	305-470-5545
FDOT STREET LIGHTS	MR. MIKE HUGHES	305-640-7160
FIBERLIGHT LLC	MR. TROY GAETA	954-422-5618
FLORIDA CITY GAS	MR. ROLAND RUIZ	786-457-0937
FLORIDA GAS TRANSMISSION	MR. JOSEPH E. SANCHEZ	407-838-7171
FLORIDA POWER & LIGHT CO.	MS. ANGEL VARGAS	305-442-5129
FPL FIBERNET	MR. DANNY HASKETT	305-552-2931
FPL TRANSMISSION	MR. GEORGE BECK	561-904-3604
HOTWIRE COMMUNICATION	MR. PHIL GALLUB	954-628-7022
INTELLIGENT TRANSPORTATION SYSTEM OF FLORIDA	MR. SERGIO BRAVO	305-640-7344
INTER METRO FIBER LLC	MR. JESUS ZAMORA	954-342-5001 EXT.225
LEVEL 3 COMMUNICATIONS	MR. TONY CHARLTON	321-308-0205
MIAMI-DADE COUNTY ENTERPRISE TECHNOLOGY SERVICES DEPT.	MR. JUAN AGUIRRE	305-596-8941
MIAMI-DADE PUBLIC WORKS	MR. OCTAVIO MARIN	305-375-4664
MIAMI-DADE TRAFFIC SIGNAL	MR. VISHNU RAJKUMNR	305-375-2090
MIAMI-DADE TRANSIT AUTHORITY	MR. FROILAN BAEZ	786-469-5244
MIAMI-DADE WATER & SEWER DEPT.	MR. PATRICK CHONG	786-268-5255
MIAMI PUBLIC WORKS, CITY OF	MR. JUVENAL SANTANA	305-416-1218
PEOPLES GAS/ TECO	MR. ANGEL QUANT	954-453-0805
VERIZON BUSINESS	MR. JOHN McNEIL	904-355-0187
SPRINT LONG DISTANCE	MR. MARK CALDWELL (WOODY)	321-280-2178
SUBURBAN PROPANE	MR. JULIO NUNEZ	305-891-8393
SYSTEMS INTEGRATION AND MAINTENANCE, INC. (TURNPIKE)	MR. MICHAEL COLLIER	305-624-1113
WINDSTREAM COMMUNICATIONS	MR. GARY CARY	386-462-6530
XO COMMUNICATIONS	MR. ANTHONY	305-356-3160
ZAYO GROUP	MR. RON DONNELL	267-374-7047

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823	MIAMI-DADE	433425-1-52-01

DISTRICT GENERAL AND UTILITY NOTES

SHEET NO. LD-6

LANDSCAPE NOTES

1) VERIFY SITE CONDITIONS BEFORE BIDDING. INSTALLATIONS MAY REQUIRE ADDITIONAL EQUIPMENT FOR SPECIFIC SITE CONDITIONS.

2) BEFORE THE PRECONSTRUCTION MEETING, SUBMIT:
- 2-1) UNIT COST BREAKDOWN FOR EACH ITEM OF WORK;
- 2-2) WEED CONTROL PRODUCT INFORMATION AND APPLICATION PROCEDURES;
- 2-3) SOIL AMENDMENT PRODUCT INFORMATION AND APPLICATION PROCEDURES;
- 2-4) WATERING APPLICATION PROCEDURES;
- 2-5) FERTILIZER PRODUCT INFORMATION AND APPLICATION PROCEDURES;

3) A FNGLA CERTIFIED LANDSCAPE CONTRACTOR SHALL DIRECT LANDSCAPE OPERATIONS.

4) SOIL AMENDMENT:
BACKFILL PLANTING HOLES WITH A 50/50 MIX OF 100 PERCENT DECOMPOSED COMPOST AND EXISTING SOIL. WHERE MEDIAN SOIL EXCAVATION AND REPLACEMENT IS SPECIFIED, BACKFILL WITH A 75/25 MIX OF 100 PERCENT DECOMPOSED COMPOST AND CLEAN SAND.

5) PLANT INSTALLATION AND ESTABLISHMENT:

5-1) WEED CONTROL: ERADICATE FLORIDA EXOTIC PEST PLANT COUNCIL CATEGORY ONE INVASIVE PLANT SPECIES AND THEIR SEEDS, AND VINES, BOTH NATIVE AND NON-NATIVE. THIS INCLUDES FROM WALLS AND WITHIN FENCES.

5-2) WATERING: MAINTAIN THE SOIL MOISTURE AT FIELD CAPACITY. FIELD CAPACITY WILL BE DETERMINED FROM A 4 INCH DEEP EXCAVATION WHERE THE SOIL MUST HOLD TOGETHER AND FORM A HAND CLUMP.

5-3) FERTILIZATION: APPLY AN 8-2-12+4 MG FERTILIZER, PLUS WATER SOLUBLE MICRONUTRIENTS. 100 PERCENT OF THE (N) NITROGEN, (K) POTASSIUM, (MG) MAGNESIUM AND (B) BORON MUST BE IN CONTROLLED RELEASE FORM. APPLY AT A RATE OF 1.5 POUNDS OF ACTUAL FERTILIZER (NOT N) PER 100 SQUARE FEET FROM A CALIBRATED SPREADER. BEGIN FERTILIZATION DURING INSTALLATION AND REPEAT EVERY 3 MONTHS.

5-4) MAINTAIN A 3 INCH MULCH COVER.

5-5) PRUNING: A CERTIFIED ARBORIST SHALL DIRECT PRUNING OPERATIONS. FOLLOW ANSI A300 PART 1 PRUNING STANDARDS AND THESE PLANS. PRUNING IS REQUIRED DURING INSTALLATION AND THROUGHOUT ESTABLISHMENT TO:

5-5.1) REMOVE CROSSING, DEFLECTING, AND CIRCLING ROOTS;

5-5.2) REMOVE CROSSING, DEAD, DAMAGED AND CODOMINANT BRANCHES;

5-5.3) MAINTAIN FLORIDA NUMBER 1 BRANCH STRUCTURE;

5-5.4) MAINTAIN FDOT MAINTENANCE RATING PROGRAM REQUIREMENTS;

5-5.5) MAINTAIN INDEX 546 HORIZONTAL AND VERTICAL CLEARANCES WITHIN THE LIMITS OF CLEAR SIGHT;

5-5.6) MAINTAIN VISIBILITY OF SIGNS;

5-5.7) MAINTAIN SHRUBS PER PLANS;

RELOCATION NOTES

1) FOLLOW THESE NOTES FOR RELOCATED MATERIALS IN ADDITION TO FDOT STANDARD SPECIFICATIONS AND DESIGN STANDARDS.

2) INSTALL TREES WITHIN 24 HOURS OF REMOVAL FROM THEIR ORIGINAL LOCATION TO LOCATIONS SHOWN ON PLANS.

3) WATER THE ROOT ZONES TO FIELD CAPACITY FOR 5 CONTINUOUS DAYS BEFORE ROOT PRUNING.

4) ROOT PRUNE 8 WEEKS BEFORE RELOCATION.

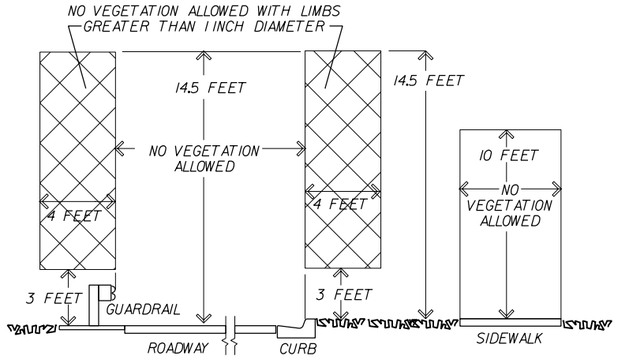
5) ROOT PRUNE WITH EQUIPMENT TO SEVER ROOTS. ENSURE ROOTS ARE NOT TORN OR PULLED APART. SUBMIT ROOT PRUNING PROCEDURES BEFORE THE PRECONSTRUCTION MEETING.

6) FORM A ROOTBALL SIZE IN COMPLIANCE WITH FLORIDA GRADES AND STANDARDS FLORIDA NUMBER ONE OR BETTER.

7) MAINTAIN THE SOIL MOISTURE AT FIELD CAPACITY THROUGHOUT THE 8 WEEKS.

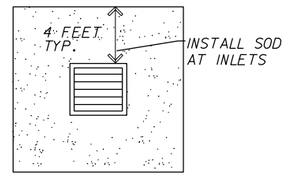
8) BRACE ROOT PRUNED TREES AWAITING RELOCATION.

9) MAINTAIN TREES IN A HEALTHY AND VIGOROUS CONDITION DURING INSTALLATION AND THROUGHOUT THE PLANT ESTABLISHMENT PERIOD. REPLACE TREES THAT DO NOT MEET THIS REQUIREMENT WITH THE SAME SPECIES, SIZE, AND QUALITY, OR BETTER.



MAINTENANCE RATING PROGRAM REQUIREMENTS

N.T.S.



SOD INSTALLATION AT INLETS

N.T.S.

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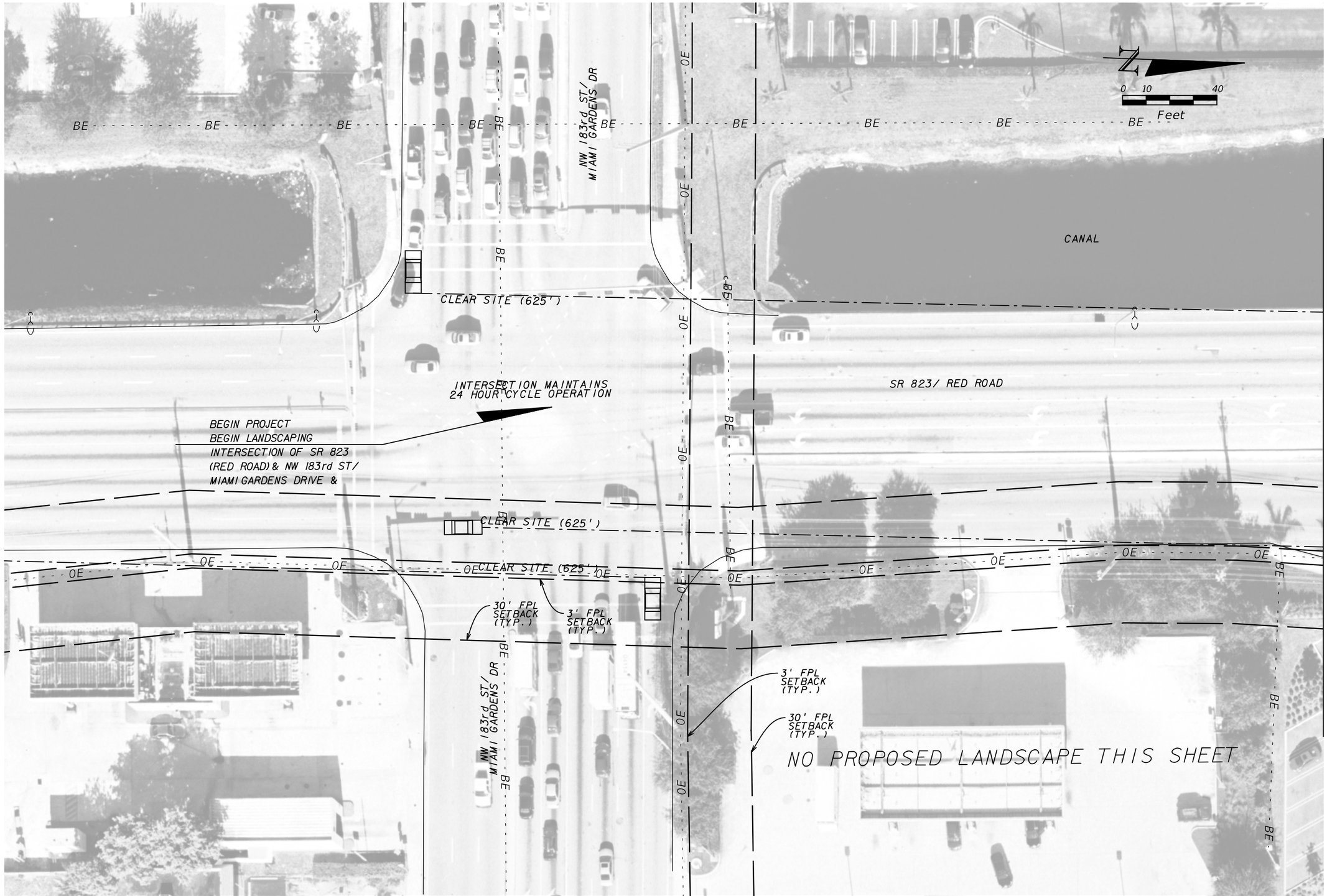
823	MIAMI-DADE	433425-1-52-01

DISTRICT LANDSCAPE NOTES

SHEET NO.
LD-7



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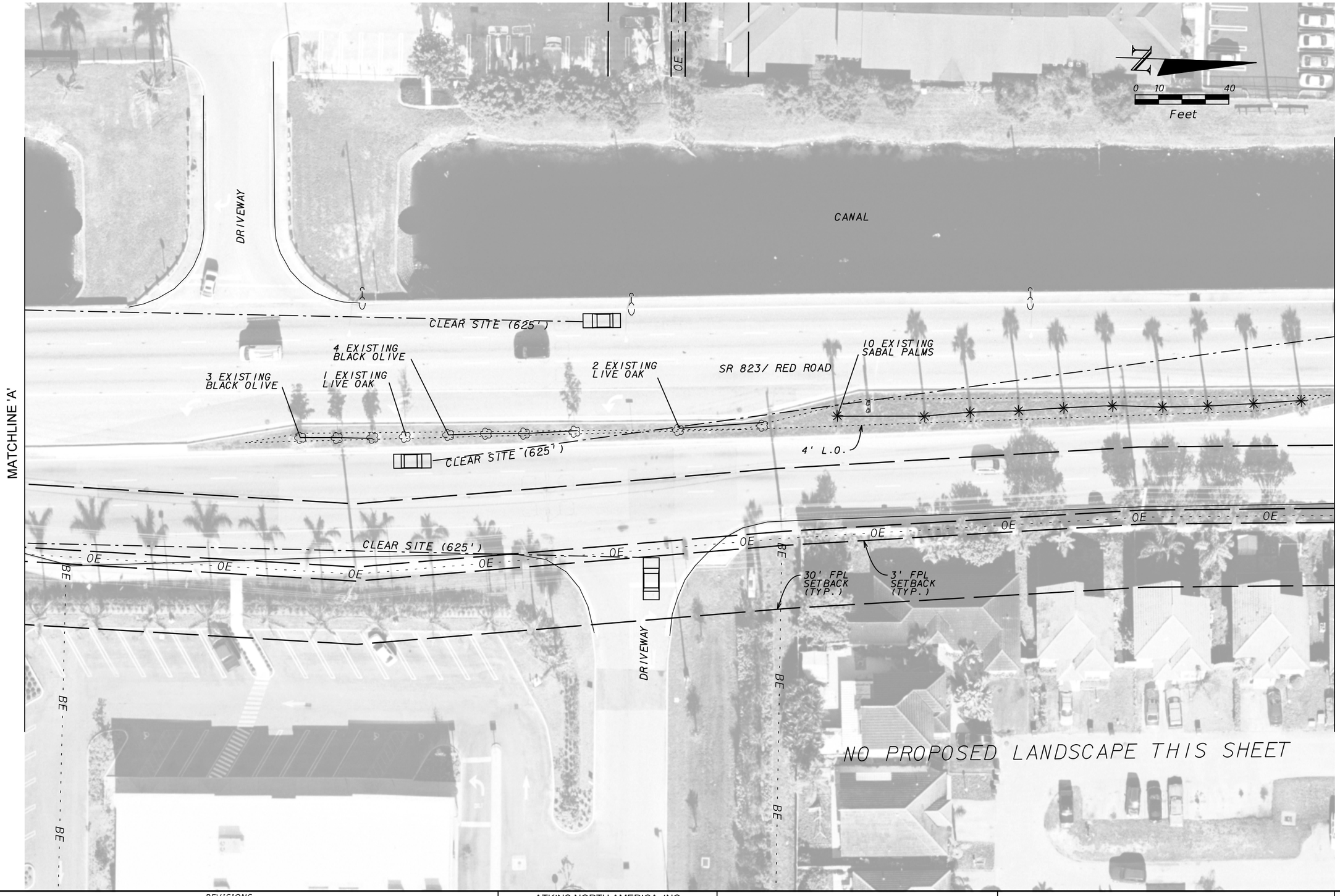
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.
LD-8

USER: scho2725 9/9/2015 10:36:07 AM F:\1-Projects\FDOT Dist 6\SR 823 - Red Road\43342515201\landscp\planld01.dgn



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823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.
LD-9

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USER: scho2725 9/9/2015 10:36:15 AM F:\1-Projects\FDOT Dist 6\SR 823 - Red Road\43342515201\landscp\planld02.dgn

MATCHLINE 'B'

MATCHLINE 'C'

CANAL

CANAL

NW 186th ST

SR 823/ RED ROAD

ROAD CLOSED

BE

OE

CLEAR SITE (625')

CLEAR SITE (625')

CLEAR SITE (625')

CLEAR SITE (430')

CLEAR SITE (625')

100'

4' L.O.

1 QV

6 EXISTING SABAL PALMS

1 EXISTING DELONIX REGIA

2 EXISTING BLACK OLIVE

3 EXISTING MAHOGANY

2 EXISTING LIVE OAK

1 EXISTING LIVE OAK

30' FPL SETBACK (TYP.)

3' FPL SETBACK (TYP.)

N

0 10 40

Feet

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REVISIONS			
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ATKINS NORTH AMERICA, INC
3230 W. Commercial Blvd., Ste. 100
Ft. Lauderdale, FL 33309
(954) 733-7233
Certificate of Authorization No. 24
Harry L. Belton, R.L.A. No.: 900

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

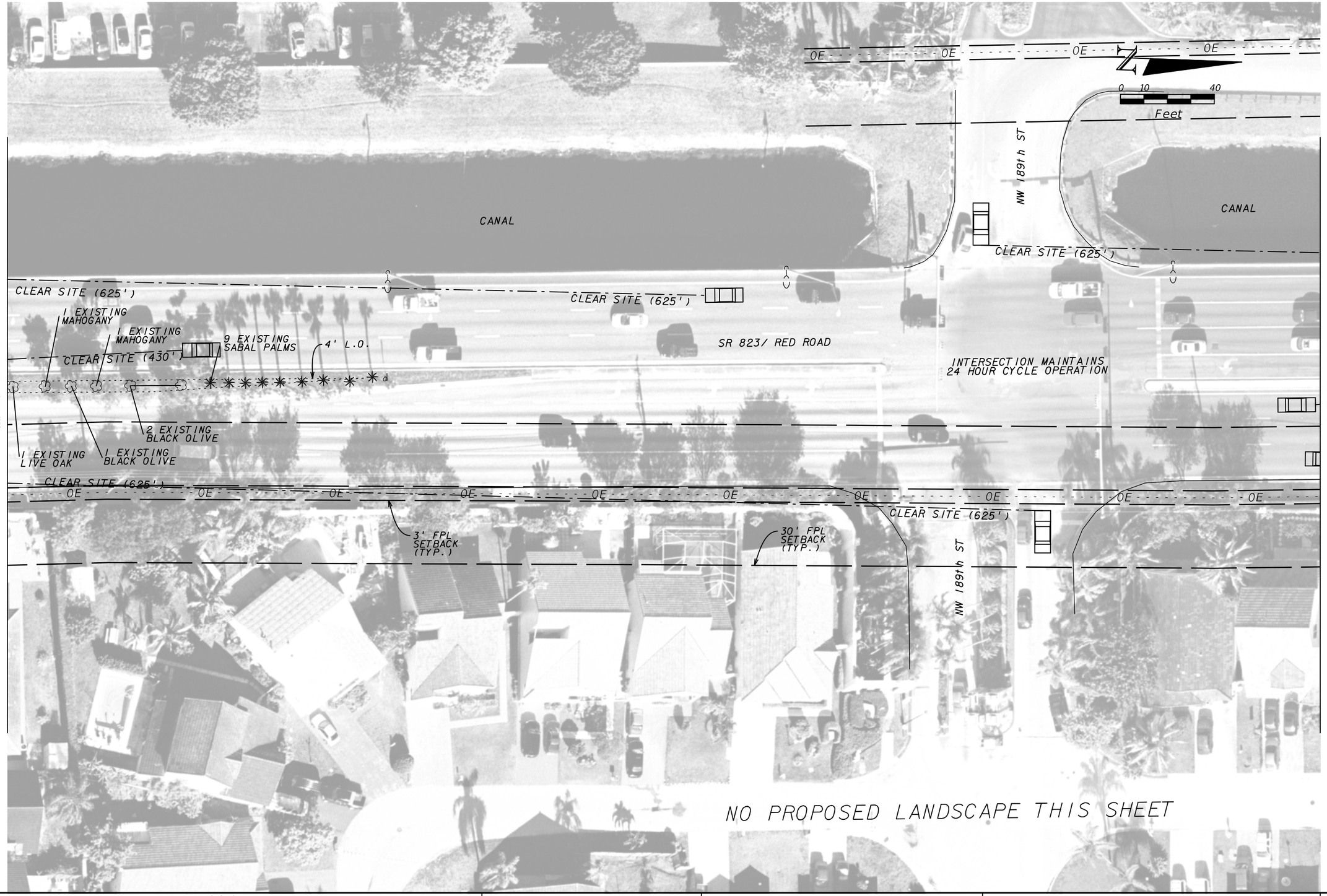
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.

LD-10

USER: scho2725 9/9/2015 10:36:22 AM F:\1-Projects\FDOT Dist 6\SR 823 - Red Road\43342515201\landscp\planld03.dgn



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.
LD-11

USER: scho2725 9/9/2015 10:36:29 AM F:\1-Projects\FDOT Dist 6\SR 823 - Red Road\43342515201\landscp\planld04.dgn

MATCHLINE 'D'

MATCHLINE 'E'

OE

CANAL

CLEAR SITE (625')

SR 823/ RED ROAD

4' L.O.

7 EXISTING SABAL PALMS

30' FPL SETBACK (TYP.)

3' FPL SETBACK (TYP.)

N

0 10 40

Feet

NO PROPOSED LANDSCAPE THIS SHEET

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.

LD-12

USER: scho2725 9/9/2015 10:36:36 AM F:\1-Projects\FDOT Dist 6\SR 823 - Red Road\43342515201\landscp\planld05.dgn

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.
LD-13

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MATCHLINE 'F'

MATCHLINE 'G'

N

0 10 40

Feet

CANAL

EXISTING QUERCUS VIRGINIANA IN POOR CONDITION, BROKEN CENTRAL LEADER, REMOVE TREE

CLEAR SITE (625')

4 EXISTING LIVE OAK

SR 823/ RED ROAD

4' L.O.

EXISTING QUERCUS VIRGINIANA DEAD, REMOVE TREE

3 SM

CLEAR SITE (625')

18' 14' 22' 18' 14' 22' 18' 14' 22' 18' 14' 22'

9 EXISTING MAHOGANY

24 EXTSTING CHINESE FAN PALM

12 SP

1 EXISTING LIVE OAK

1 EXISTING ROYAL POINCIANA

OE OE OE OE OE OE OE BE OE BE OE BE OE BE

30' FPL SETBACK (TYP.)

3' FPL SETBACK (TYP.)

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.

LD-14

USER: scho2725 9/9/2015 10:36:50 AM F:\1-Projects\FDOT Dist 6\SR 823 - Red Road\43342515201\landscp\planld07.dgn

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.
LD-15

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MATCHLINE 'H'

MATCHLINE 'I'

CANAL

SR 823/ RED ROAD

N

0 10 40

Feet

1 EXISTING CHINESE FAN PALM

5 EXISTING DEAD SABAL PALMETTO TO BE REMOVED

18' 22' 14' 18' 14' 22' 18'

100'

INTERSECTION MAINTAINS 24 HOUR CYCLE OPERATION

4' L.O.

7 SP

CLEAR SITE (625')

OE

BE

NW 195th DR

30' FPL SETBACK (TYP.)

3' FPL SETBACK (TYP.)

3 EXISTING SENNA POLYPHYLLA VERY POOR CONDITION, REMOVE TREE

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REVISIONS			
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Harry L. Belton, R.L.A. No.: 900

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.

LD-16

USER: scho2725 9/9/2015 10:37:04 AM F:\1-Projects\FDOT Dist 6\SR 823 - Red Road\43342515201\landscp\planld09.dgn

MATCHLINE 'I'

MATCHLINE 'J'

CANAL

CANAL

NW 199th ST

BE

SR 823/ RED ROAD

CLEAR SITE (625')

INTERSECTION MAINTAINS
24 HOUR CYCLE OPERATION

EXISTING SENNA POLYPHYLLA VERY POOR CONDITION, REMOVE TREE (2)

EXISTING SENNA POLYPHYLLA VERY POOR CONDITION, REMOVE TREE

EXISTING DEAD LAGERSTROEMIA INDICA, REMOVE TREE

4' L.O.

5 SP

14'

18'

22'

OE

30' FPL SETBACK (TYP.)

3' FPL SETBACK (TYP.)

0 10 40

Feet

N

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.

LD-17

USER: scho2725 9/9/2015 10:37:11 AM F:\1-Projects\FDOT Dist 6\SR 823 - Red Road\43342515201\landscp\planld10.dgn

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.
LD-18

USER: scho2725 9/9/2015 10:37:18 AM F:\1-Projects\FDOT Dist 6\SR 823 - Red Road\43342515201\landscp\planld11.dgn

MATCHLINE 'K'

MATCHLINE 'L'

CANAL

SR 823/ RED ROAD

NW 202nd ST

N

0 10 40

Feet

7 EXISTING CHINESE FAN PALM

7 SP

4' L.O.

4 RLC

18' 14' 18' 14' 22' 18' 18' 22'

CLEAR SITE (625')

OE

INTERSECTION MAINTAINS 24 HOUR CYCLE OPERATION

3' FPL SETBACK (TYP.)

30' FPL SETBACK (TYP.)

CLEAR SITE (625')

30' FPL SETBACK (TYP.)

3' FPL SETBACK (TYP.)

HONEY HILL DR

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.

LD-19

USER: scho2725 9/9/2015 10:37:25 AM F:\1-Projects\FDOT Dist 6\SR 823 - Red Road\43342515201\landscp\planld12.dgn

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.
LD-20

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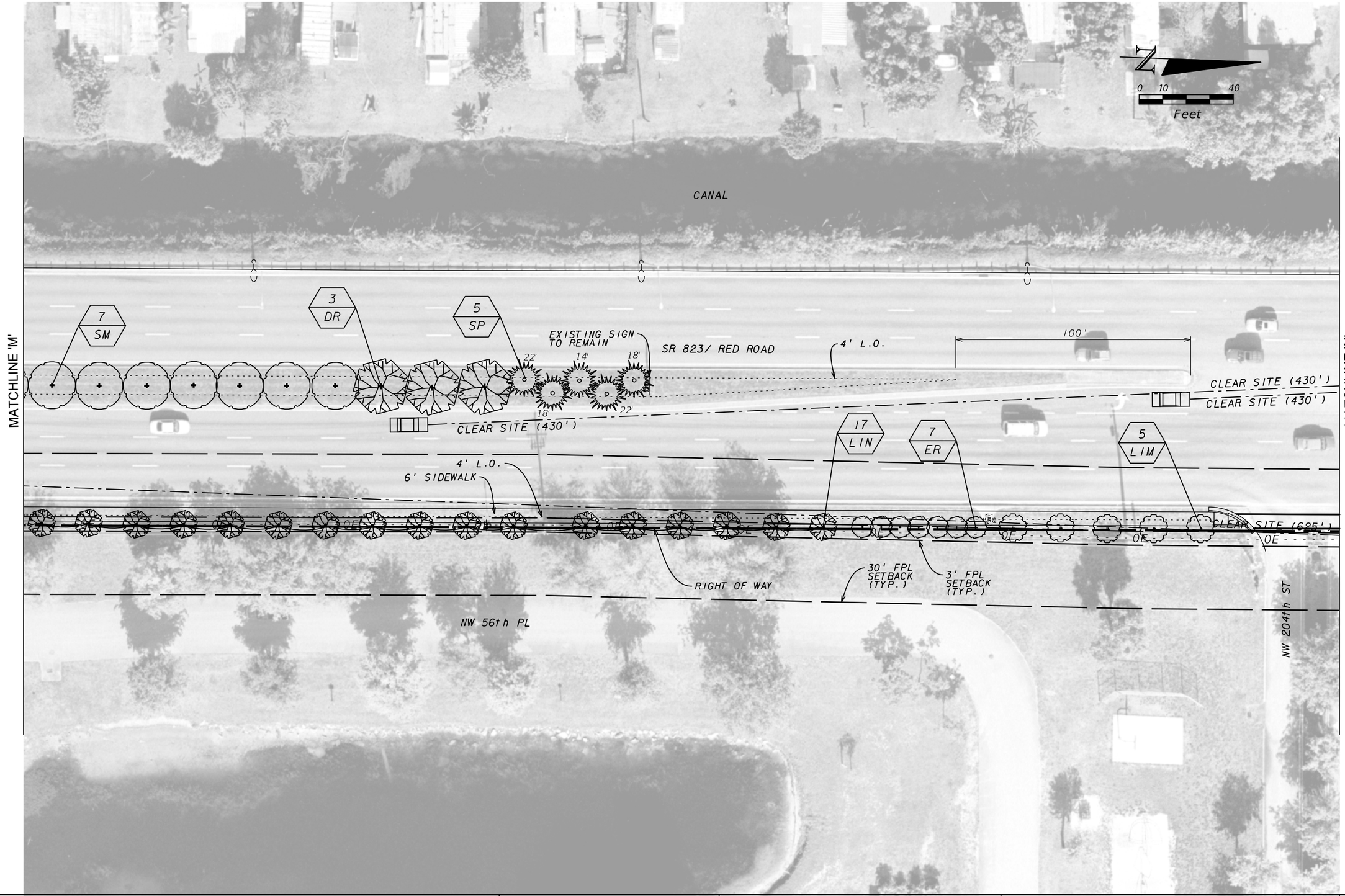

REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.
LD-21

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MATCHLINE 'N'

MATCHLINE 'O'

CANAL

0 10 40
Feet

3' FPL SETBACK (TYP.)

30' FPL SETBACK (TYP.)

SR 823/ RED ROAD

CLEAR SITE (430')

CLEAR SITE (690')

CLEAR SITE (625')

40' TYP.

4' L.O.

6' SIDEWALK

RIGHT OF WAY

OE

NW 204th ST

5 LIM

7 ER

13 LIN

5 ER

4 CES

11 SP

14' 14' 14' 14' 14' 18' 22' 22' 14'

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REVISIONS			
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(954) 733-7233
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Harry L. Belton, R.L.A. No.: 900

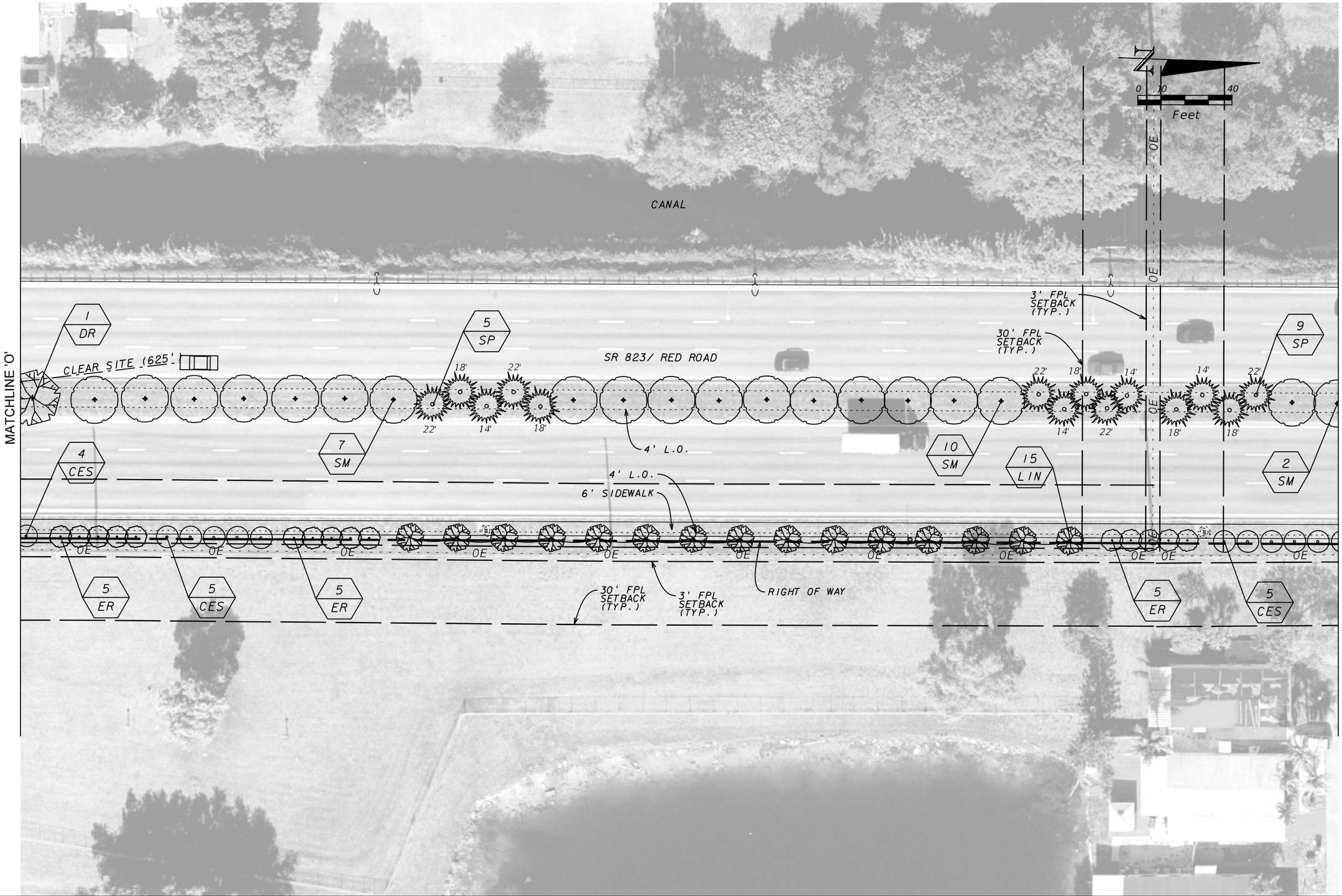
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.
LD-22

USER: scho2725 9/9/2015 10:37:46 AM F:\1-Projects\FDOT Dist 6\SR 823 - Red Road\43342515201\landscp\planld15.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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Ft. Lauderdale, FL 33309
(954) 733-7233
Certificate of Authorization No. 24
Harry L. Belton, R.L.A. No.: 900

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO. LD-23

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MATCHLINE 'P'

MATCHLINE 'Q'

CANAL

OE

CANAL

SR 823/ RED ROAD

0 10 40

Feet

5 SM

5 SP

5 ER

2 CES

7 SP

1 QV

2 SM

1 BB

22' 14' 18'

3' FPL SETBACK (TYP.)

30' FPL SETBACK (TYP.)

4' L.O.

6' SIDEWALK

RIGHT OF WAY

BEGIN EXISTING RETAINING WALL BACK OF SIDEWALK

30' FPL SETBACK (TYP.)

CANAL

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

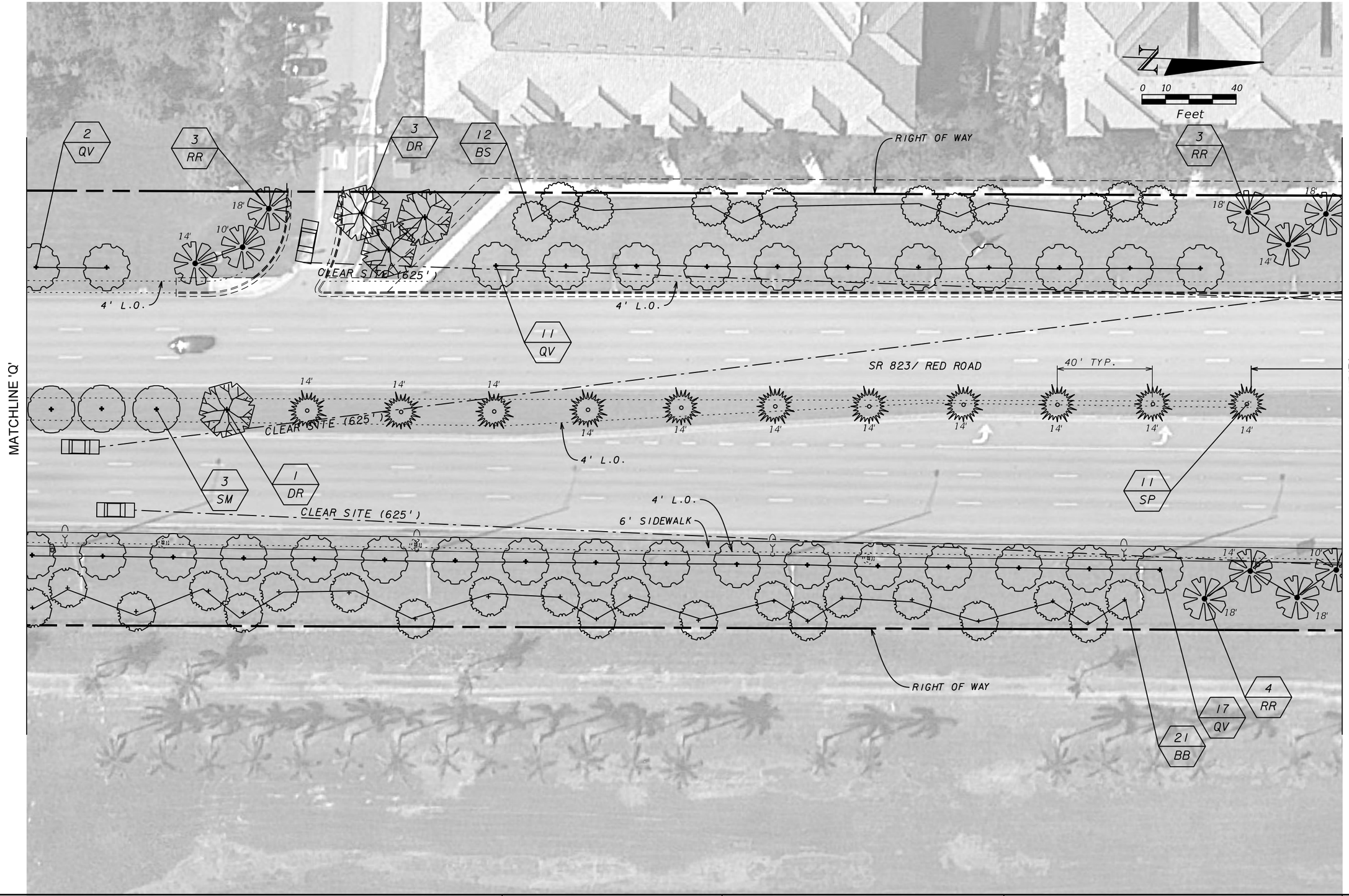
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.

LD-24

USER: scho2725 9/9/2015 10:37:59 AM F:\1-Projects\FDOT Dist 6\SR 823 - Red Road\43342515201\landscp\planld17.dgn



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.
LD-25

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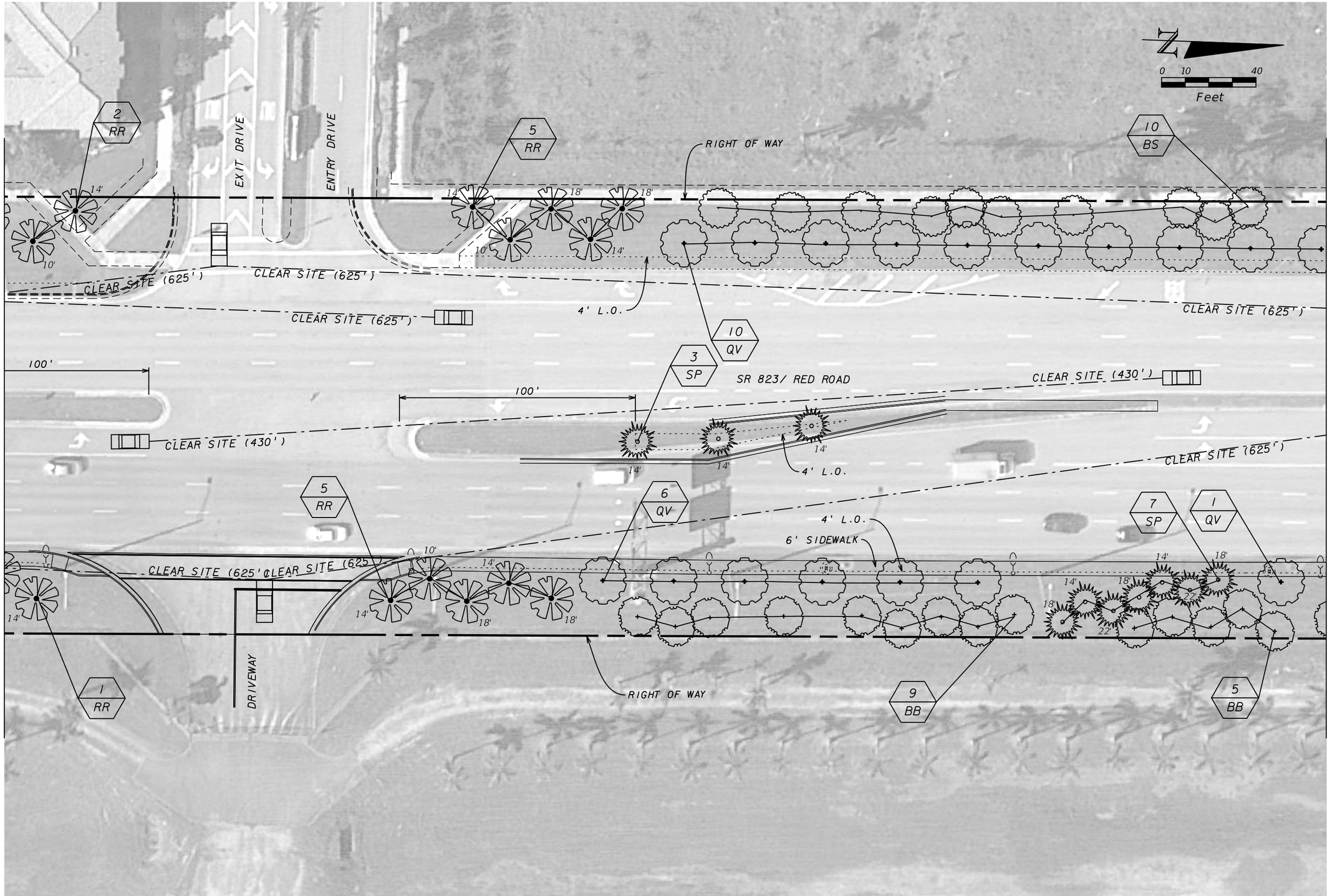

REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.
LD-26

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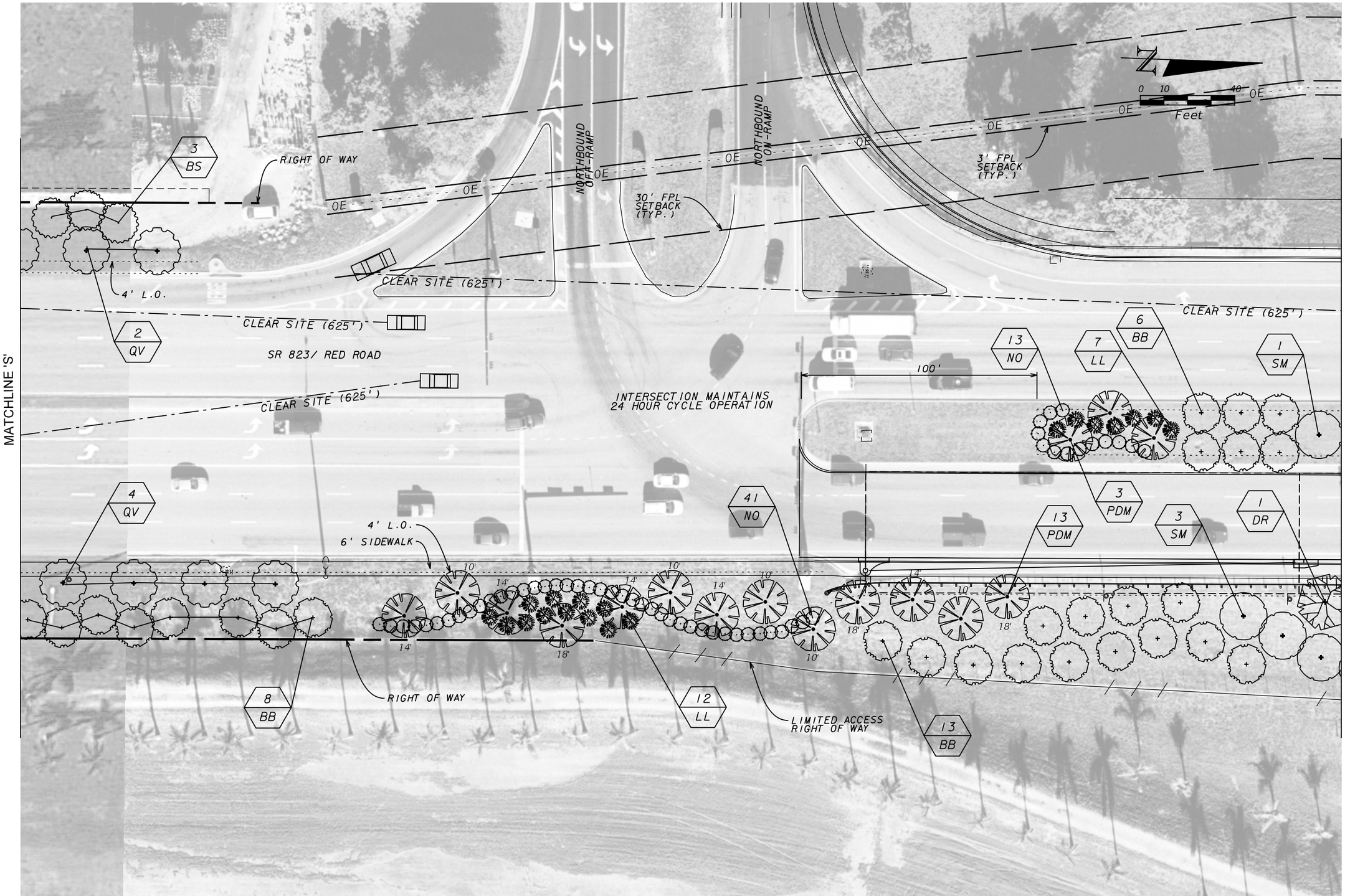

REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.
LD-27

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MATCHLINE 'T'

OE

30' FPL SETBACK (TYP.)

3' FPL SETBACK (TYP.)

EASTBOUND HOMESTEAD EXTENSION OF FLORIDA'S TURNPIKE (Toll Road)

0 10 40
Feet

6 SM

SR 823/ RED ROAD

1 EXISTING ROYSTONEA REGIA TO BE REMOVED

CLEAR SITE (625')

6 BB

3 DR

6 BN

6 NO

END PROJECT
END LANDSCAPING
℄ CONST. STA 885+55

BROWARD COUNTY

MIAMI DADE COUNTY

2 DR

3 DR

7 BN

5' CLEAR BEHIND GUARDRAIL

6' SIDEWALK

N 87° 46' 38.00" E

11 BB

7 SM

LIMITED ACCESS RIGHT OF WAY

MIAMI DAD

BROWARD

50' R/W (DB 63

FLORID

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REVISIONS			
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Harry L. Belton, R.L.A. No.: 900

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433425-1-52-01

LANDSCAPE PLANS

SHEET NO.
LD-28

USER: scho2725 9/9/2015 10:38:29 AM F:\1-Projects\FDOT Dist 6\SR 823 - Red Road\43342515201\landscp\planld21.dgn

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE I			PHASE II			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL				
			DAYS	P	P	DAYS	P	P	P	F		
0102 1	MAINTENANCE OF TRAFFIC	LS							1		180 DAYS	
0102 60	WORK ZONE SIGN	ED	90	33	2970	90	54	4860	7830			
0102 74 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	90	224	20160	90	559	50310	70470			
0102 74 2	CHANNELIZING DEVICE- TYPE III, 6'	ED	90	10	900	90	26	2340	3240			
0102 76	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	90	5	450	90	13	1170	1620			
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	90	2	180	90	2	180	360			

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(954) 733-7233
Certificate of Authorization No. 24
Raul L. Andujar, P.E. 62989

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433451-5-20-1

SUMMARY OF QUANTITIES

SHEET NO.
LD-3

TRAFFIC CONTROL GENERAL NOTES:

GENERAL:

1. NOTIFICAITON OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO CLOSURE, DETOUR OR MOT PHASE CHANGE BY SUBMITTING THE REQUIRED ELECTRONIC LANE CLOSURE FORM (WWW. FDOTLCIS.COM), SKETCHES, CALCULATIONS, AND OTHER DATA THROUGH THE ENGINEER TO THE DISTRICT 6 TRAFFIC OPERATIONS OFFICE.

2. LANE CLOSURE SHALL OCCUR ONLY DURING NON-PEAK HOURS OR NON-EVENT DAYS/NIGHTS/WEEKENDS. NON-PEAK HOURS ARE:
9:00 AM TO 3:30 PM - WEEKDAYS AND WEEKENDS

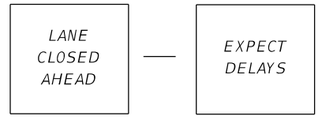
3. REGULATORY SPEED ESTABLISHED WITHIN WORK ZONE TRAVEL WAYS SHALL BE 45 MPH AND THE POSTED SPEED IS 45 MPH. REDUCED SPEED AND REGULATORY SPEED SIGNS SHALL BE INSTALLED ON SEPARATE POSTS IN ACCORDANCE WITH THE STANDARDS FDOT INDEXES.

4. ARROWS ON THE TCP DENOTE THE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS UNLESS SPECIFICALLY NOTED.

CHANGEABLE (VARIABLE) MESSAGE SIGN MESSAGES:

CVMS TO BE PLACED ON SR 823:

DURING
LANE CLOSURES



MESSAGE 1 MESSAGE 2

CVMS 1

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ATKINS NORTH AMERICA, INC
3230 W. Commercial Blvd., Ste. 100
Ft. Lauderdale, FL 33309
(954) 733-7233
Certificate of Authorization No. 24
Raul L. Andujar, P.E. 62989

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

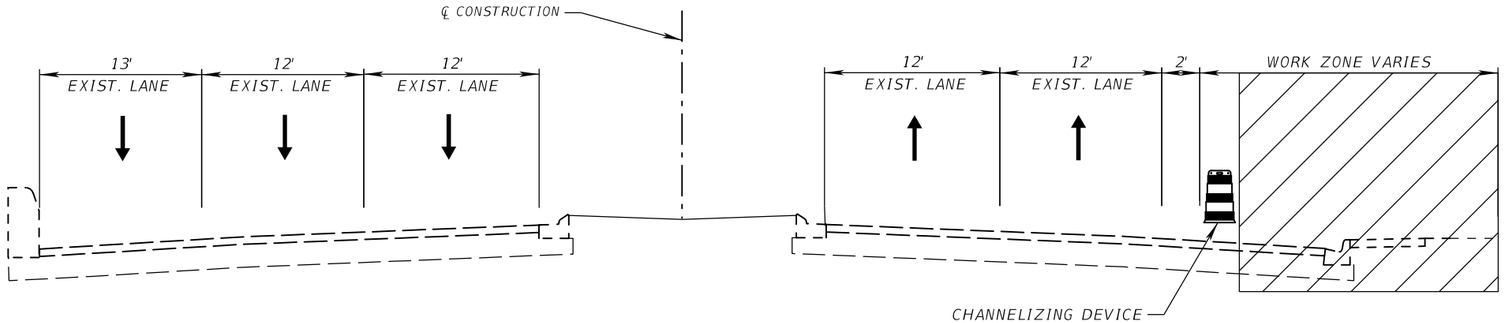
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433451-5-20-1

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
LD-29

RED ROAD (SR 823)
FROM NW 183RD ST
TO NW 199TH ST
PHASE 1

1. MAINTAIN TRAFFIC PATTERNS IN ACCORDANCE WITH FDOT STANDARD INDEX NOS. 600, 613, AND 616.
2. INSTALL LANDSCAPING AS SHOWN IN THE LANDSCAPE PLANS.

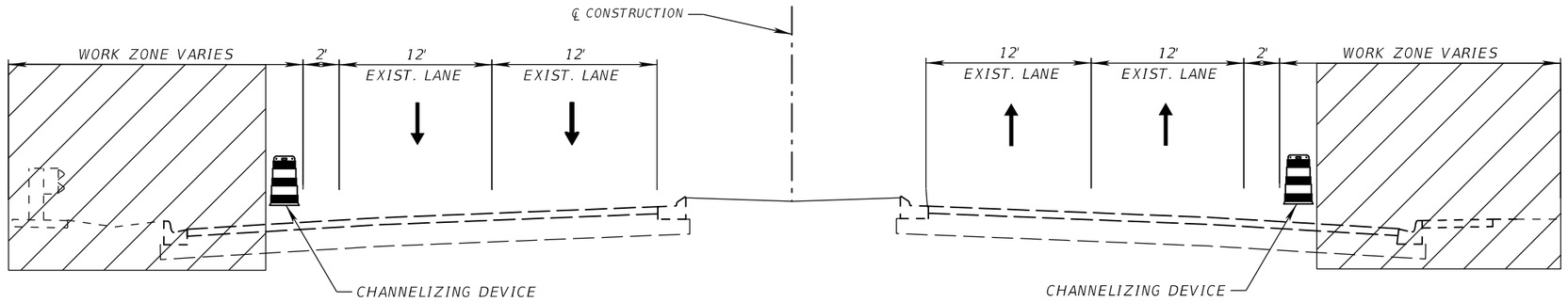


TYPICAL SECTION

N.T.S.

RED ROAD (SR 823)
FROM NW 199TH ST
TO CANAL BRIDGE
PHASE 1

1. MAINTAIN TRAFFIC PATTERNS IN ACCORDANCE WITH FDOT STANDARD INDEX NOS. 600, 613, AND 616.
2. INSTALL LANDSCAPING AS SHOWN IN THE LANDSCAPE PLANS.

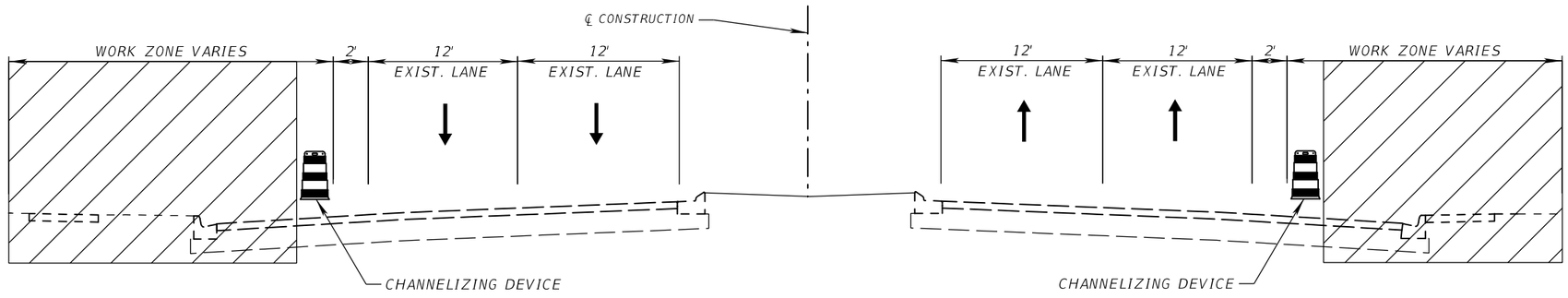


TYPICAL SECTION

N.T.S.

RED ROAD (SR 823)
FROM CANAL BRIDGE
TO BROWARD/MIAMI-DADE COUNTY LINE
PHASE 1

1. MAINTAIN TRAFFIC PATTERNS IN ACCORDANCE WITH FDOT STANDARD INDEX NOS. 600, 613, AND 616.
2. INSTALL LANDSCAPING AS SHOWN IN THE LANDSCAPE PLANS.



TYPICAL SECTION

N.T.S.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ATKINS NORTH AMERICA, INC
3230 W. Commercial Blvd., Ste. 100
Ft. Lauderdale, FL 33309
(954) 733-7233
Certificate of Authorization No. 24
Raul L. Andujar, P.E. 62989

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433451-5-20-1

TEMPORARY TRAFFIC CONTROL PLAN

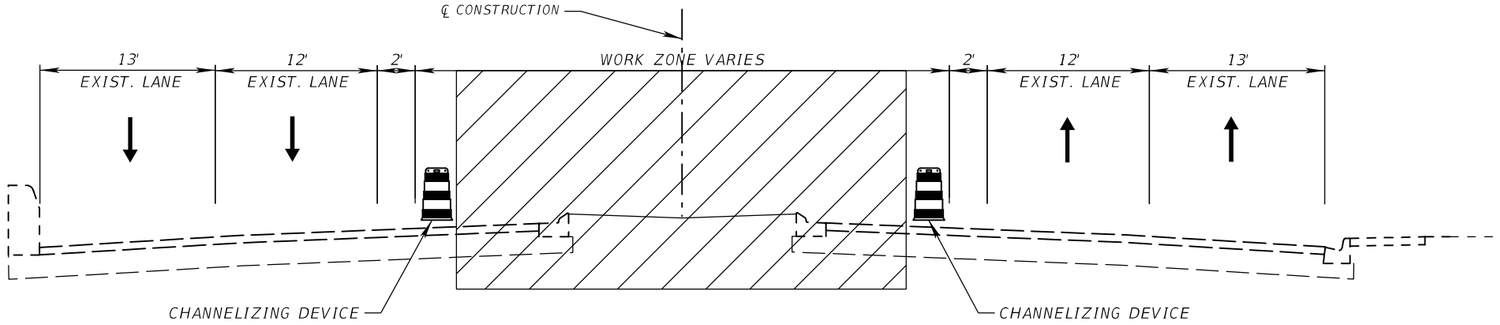
SHEET NO.
LD-30

USER: GREE6976 9/9/2015 2:51:11 PM F:\1-Projects\FDOT Dist 6\SR 823 - Red Road\43342515201\roadway\Roadway_TCP\TCTY

RED ROAD (SR 823)
FROM NW 183RD ST
TO NW 199TH ST
PHASE 2

1. MAINTAIN TRAFFIC PATTERNS IN ACCORDANCE WITH FDOT STANDARD INDEX NOS. 600, 613, AND 616.

2. INSTALL LANDSCAPING IN THE MEDIAN AS SHOWN IN THE LANDSCAPE PLANS.



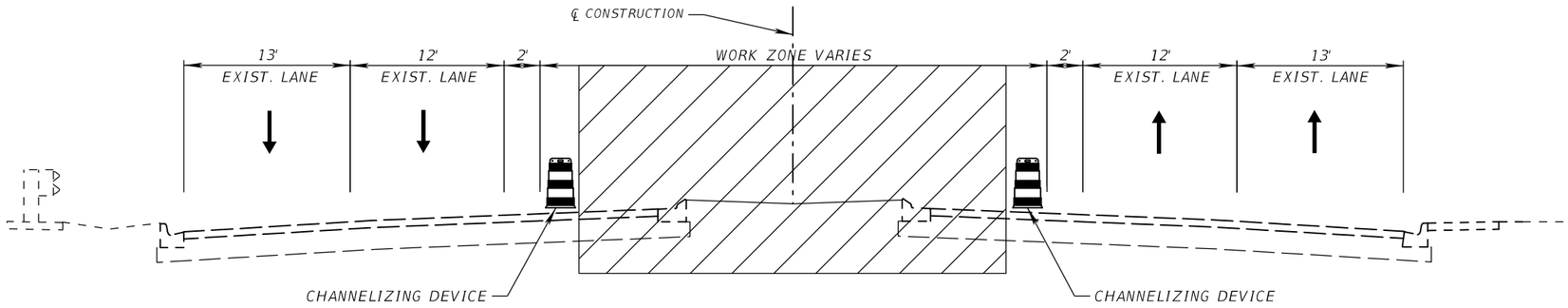
TYPICAL SECTION

N.T.S.

RED ROAD (SR 823)
FROM NW 199TH ST
TO CANAL BRIDGE
PHASE 2

1. MAINTAIN TRAFFIC PATTERNS IN ACCORDANCE WITH FDOT STANDARD INDEX NOS. 600, 613, AND 616.

2. INSTALL LANDSCAPING IN THE MEDIAN AS SHOWN IN THE LANDSCAPE PLANS.



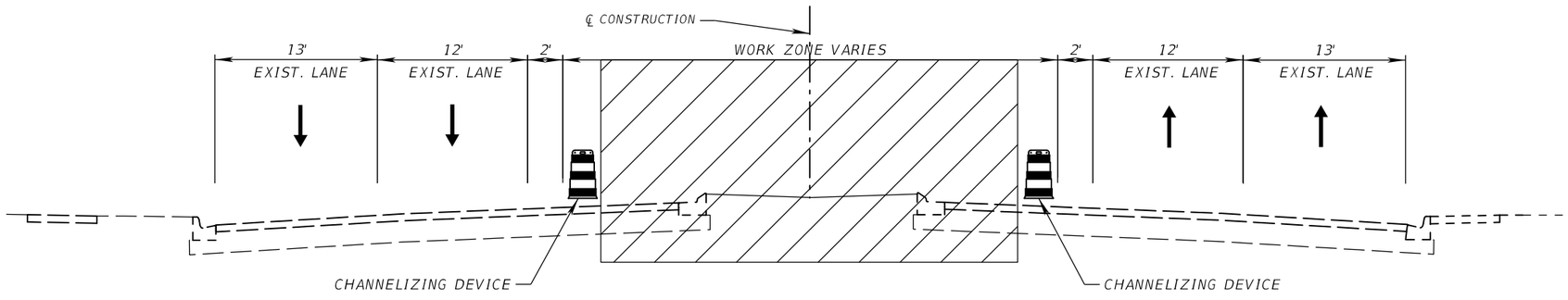
TYPICAL SECTION

N.T.S.

RED ROAD (SR 823)
FROM CANAL BRIDGE
TO BROWARD/MIAMI-DADE COUNTY LINE
PHASE 2

1. MAINTAIN TRAFFIC PATTERNS IN ACCORDANCE WITH FDOT STANDARD INDEX NOS. 600, 613, AND 616.

2. INSTALL LANDSCAPING IN THE MEDIAN AS SHOWN IN THE LANDSCAPE PLANS.



TYPICAL SECTION

N.T.S.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ATKINS NORTH AMERICA, INC
3230 W. Commercial Blvd., Ste. 100
Ft. Lauderdale, FL 33309
(954) 733-7233
Certificate of Authorization No. 24
Raul L. Andujar, P.E. 62989

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
823	MIAMI-DADE	433451-5-20-1

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
LD-31

APPENDIX F-6

FPID 429328-1-52-01

(FY 2018, Completed 2020)

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

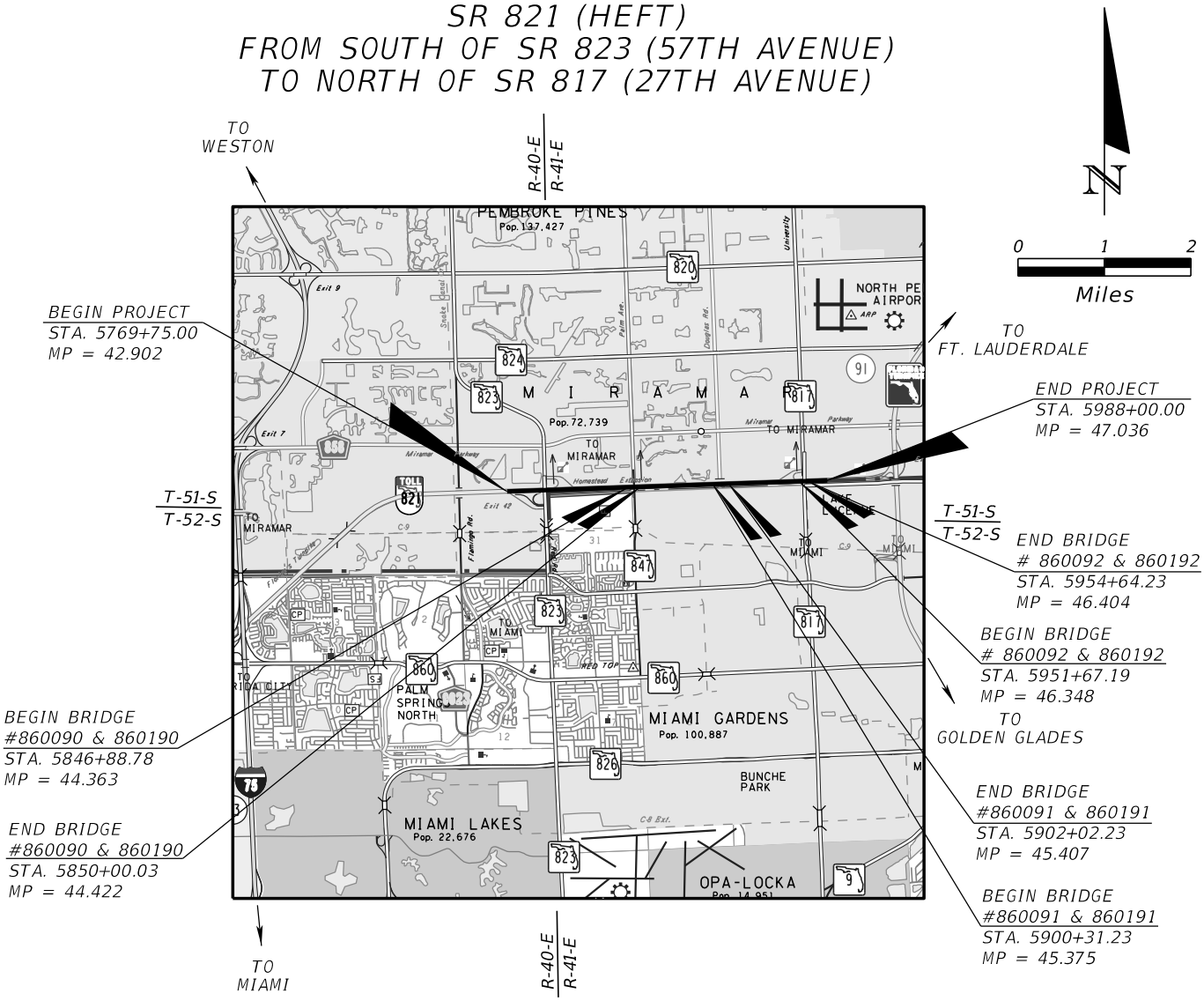
TYPICAL SECTION PACKAGE

FINANCIAL PROJECT ID 429328-1-52-01

MIAMI-DADE & BROWARD COUNTIES (86471)

STATE ROAD NO. 821

SR 821 (HEFT)
FROM SOUTH OF SR 823 (57TH AVENUE)
TO NORTH OF SR 817 (27TH AVENUE)



FDOT Project Manager: Patrick Muench, PE
GEC Project Manager: Carnot W. Evans, PE

Florida's Turnpike Enterprise
Turkey Lake Service Plaza, Milepost 263, Bldg. No. 5315
Ocoee, Florida 34761
(407) 264-3068 (Phone) * (407) 532-3999 (Fax)
carnot.evans@dot.state.fl.us (email)

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 429328-1-52-01 COUNTY (SECTION) MIAMI-DADE (87002)

PROJECT DESCRIPTION WIDENING FROM SOUTH OF SR 823 (57TH AVENUE) TO NORTH OF SR 817 (27TH AVENUE)

PROJECT CONTROLS (SR 823/NW 57TH AVE./RED ROAD)

FUNCTIONAL CLASSIFICATION

( ) RURAL

(X) URBAN

( )	FREEWAY/EXPWY.	( )	MAJOR COLL.
(X)	PRINCIPAL ART.	( )	MINOR COLL.
( )	MINOR ART.	( )	LOCAL

HIGHWAY SYSTEM

Yes	No	
( )	(X)	NATIONAL HIGHWAY SYSTEM
( )	(X)	STRATEGIC INTERMODAL SYSTEM
(X)	( )	STATE HIGHWAY SYSTEM
( )	(X)	OFF STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

( ) 1 - FREEWAY

( ) 2 - RESTRICTIVE w/Service Roads

(X) 3 - RESTRICTIVE w/660 ft. Connection Spacing

( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing

( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing

( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing

( ) 7 - BOTH MEDIAN TYPES

CRITERIA

( ) NEW CONSTRUCTION / RECONSTRUCTION

( ) RRR INTERSTATE / FREEWAY

(X) RRR NON-INTERSTATE / FREEWAY

( ) TDLC / NEW CONSTRUCTION / RECONSTRUCTION

( ) TDLC / RRR

( ) MANUAL OF UNIFORM MINIMUM STANDARDS (FLORIDA GREENBOOK) (OFF-STATE HIGHWAY SYSTEM ONLY)

TRAFFIC

	YEAR	AADT
CURRENT	2012	52,630
OPENING	2020	57,950
DESIGN	2040	63,300

DESIGN SPEED 45 MPH

POSTED SPEED 45 MPH

DISTRIBUTION

K = 9.0%

D = 56.0%

T_{24} = 3.6%

LIST ANY POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION ELEMENTS:

NONE

LIST MAJOR STRUCTURES LOCATION/DESCRIPTION - REQUIRING INDEPENDENT STRUCTURE DESIGN:

NONE

LIST MAJOR UTILITIES WITHIN PROJECT CORRIDOR:

AT&T
FLORIDA CITY GAS
FPL - DISTRIBUTION
CITY OF MIRAMAR
COMCAST CABLE

LIST OTHER INFORMATION PERTINENT TO DESIGN OF PROJECT:

WORK INCLUDES MINOR CAPACITY IMPROVEMENTS TO ACCOMMODATE WIDENING ALONG SR 821 (HEFT).

SHEET NO. 36

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PROJECT IDENTIFICATION

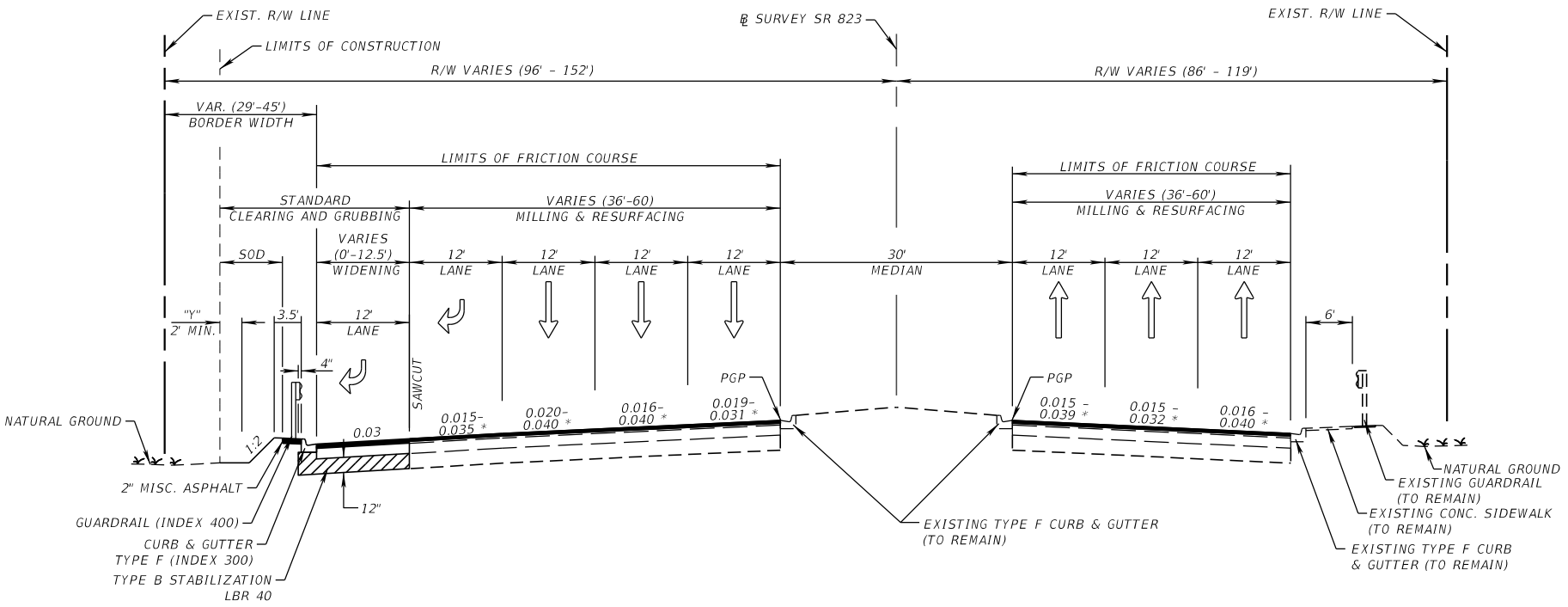
FINANCIAL PROJECT ID 429328-1-52-01 FEDERAL AID PROJECT NO. N/A COUNTY NAME MIAMI-DADE

SECTION NO. 87002 ROAD DESIGNATION SR 823 LIMITS/MILEPOST MP 9.378 TO MP 9.699

PROJECT DESCRIPTION WIDENING FROM SOUTH OF SR 823 (57TH AVENUE) TO NORTH OF SR 817 (27TH AVENUE)

PROPOSED ROADWAY TYPICAL SECTION No. 30

SR 823 (NW 57TH AVE.)



TYPICAL SECTION
SR 823 (NW 57TH AVE.)
STA. 871+18.00 TO STA. 888+09.36
DESIGN SPEED = 45 MPH

LEGEND:
"Y" THE AREA DISTURBED BY CONSTRUCTION

* MATCH EXISTING CROSS SLOPE:
VALUE RANGE IS SHOWN (DOES NOT INCLUDE INTERSECTIONS)

SHEET NO. 37

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 429328-1-52-01 COUNTY (SECTION) BROWARD (86190)

PROJECT DESCRIPTION WIDENING FROM SOUTH OF SR 823 (57TH AVENUE) TO NORTH OF SR 817 (27TH AVENUE)

PROJECT CONTROLS (SR 823/NW 57TH AVE./RED ROAD)

FUNCTIONAL CLASSIFICATION

( ) RURAL

(X) URBAN

( )	FREEWAY/EXPWY.	( )	MAJOR COLL.
(X)	PRINCIPAL ART.	( )	MINOR COLL.
( )	MINOR ART.	( )	LOCAL

HIGHWAY SYSTEM

Yes	No	
( )	(X)	NATIONAL HIGHWAY SYSTEM
( )	(X)	STRATEGIC INTERMODAL SYSTEM
(X)	( )	STATE HIGHWAY SYSTEM
( )	(X)	OFF STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

( ) 1 - FREEWAY

( ) 2 - RESTRICTIVE w/Service Roads

(X) 3 - RESTRICTIVE w/660 ft. Connection Spacing

( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing

( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing

( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing

( ) 7 - BOTH MEDIAN TYPES

CRITERIA

( ) NEW CONSTRUCTION / RECONSTRUCTION

( ) RRR INTERSTATE / FREEWAY

(X) RRR NON-INTERSTATE / FREEWAY

( ) TDLC / NEW CONSTRUCTION / RECONSTRUCTION

( ) TDLC / RRR

( ) MANUAL OF UNIFORM MINIMUM STANDARDS (FLORIDA GREENBOOK) (OFF-STATE HIGHWAY SYSTEM ONLY)

TRAFFIC

	YEAR	AADT
CURRENT	2012	52,630
OPENING	2020	57,950
DESIGN	2040	63,300

DESIGN SPEED 50 MPH

POSTED SPEED 45 MPH

DISTRIBUTION

K = 9.0%

D = 56.0%

T_{24} = 3.6%

LIST ANY POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION ELEMENTS:

NONE

LIST MAJOR STRUCTURES LOCATION/DESCRIPTION - REQUIRING INDEPENDENT STRUCTURE DESIGN:

NONE

LIST MAJOR UTILITIES WITHIN PROJECT CORRIDOR:

AT&T
FLORIDA CITY GAS
FPL - DISTRIBUTION
CITY OF MIRAMAR
COMCAST CABLE

LIST OTHER INFORMATION PERTINENT TO DESIGN OF PROJECT:

SHEET NO. 38

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PROJECT IDENTIFICATION

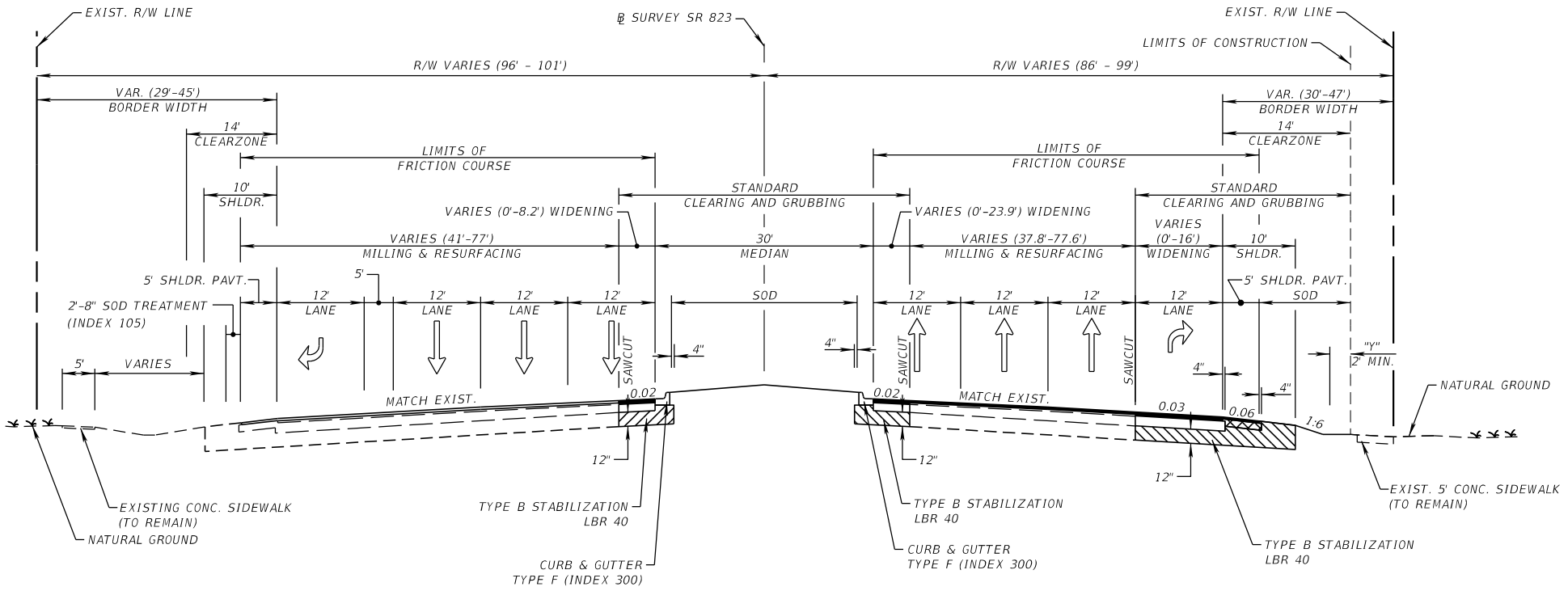
FINANCIAL PROJECT ID 429328-1-52-01 FEDERAL AID PROJECT NO. N/A COUNTY NAME BROWARD

SECTION NO. 86190 ROAD DESIGNATION SR 823 LIMITS/MILEPOST MP 0.000 TO MP 0.549

PROJECT DESCRIPTION WIDENING FROM SOUTH OF SR 823 (57TH AVENUE) TO NORTH OF SR 817 (27TH AVENUE)

PROPOSED ROADWAY TYPICAL SECTION No. 31

SR 823 (NW 57TH AVE.)



TYPICAL SECTION

SR 823 (NW 57TH AVE.)

STA. 888+09.36 TO STA. 917+08.81

DESIGN SPEED = 50 MPH

NTS

SHEET NO.
39

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APPENDIX F-7

NW 57 Ave-NW 191 Street

Signal Warrant Analysis

CTP 2022-02-0015

(Refer to Appendix C of the FDOT Safety Review in Appendix I of this Report)

APPENDIX F-8

NW 57 Ave at NW 202 Street

Qualitative Assessment

CTP 2022-01-0014

(Not Available)

APPENDIX G
LONG RANGE ESTIMATES
(LRE)

Date: 7/28/2025 3:00:44 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 452567-1-52-01 **Letting Date:** 01/2028

Description: SR 823/NW 57TH AVENUE/RED RD FROM S. OF NW 186TH STREET TO S. OF HEFT

District: 06 **County:** 87 MIAMI-DADE **Market Area:** 13 **Units:** English

Contract Class: 1 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 1.647 MI

Project Manager: FUENTES, KARINA

Version 1-P Project Grand Total **$5,192,571.00**

Description: SR 823/NW 57TH AVENUE/RED RD FROM S. OF NW 186TH STREET TO S. OF HEFT. RRR FUNDING CATEGORY A - MILLING AND RESURFACING

Sequence: 1 RSD - Resurfacing, Divided **Net Length:** 1.647 MI 8,696 LF

Description: 1 Resurfacing, Divided

Special Conditions: Typical section consists of six-lane divided roadway with 15.5-foot raised median, 11-foot inside travel lanes, 12-foot outside travel lane, 2-foot-curb and gutters, 6.5-foot concrete sidewalk on the east side, 4.5-foot paved shoulder and concrete barrier wall on the west side. Reconstruct non-ADA compliant curb ramps, install detectable warning material, upgrade guardrail connection to concrete barrier walls and bridge 870950 traffic railing. Replace loop detectors. Install new crosswalks and signalized intersection. correct 2-lane pavement depression.

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	43.00 / 36.00
Structural Spread Rate	0
Friction Course Spread Rate	0

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-8	MILLING EXIST ASPH PAVT,2 1/2" AVG DEPTH	90,935.00	SY	$4.80	$436,488.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	6,252.00	TN	$225.00	$1,406,700.00
337-7-82	ASPH CONC FC,TRAFFIC C,FC-9.5,PG 76-22	6,252.00	TN	$260.00	$1,625,520.00
339-1	MISCELLANEOUS ASPHALT PAVEMENT	13.00	TN	$452.78	$5,886.14
515-4-2	BULLET RAIL, DOUBLE RAIL	167.00	LF	$177.71	$29,677.57
520-1-10	CONCRETE CURB & GUTTER, TYPE F	60.00	LF	$48.30	$2,898.00
520-5-22	TRAF SEP CONC - TYPE II, 6' WIDE	33.00	LF	$191.01	$6,303.33
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	52.00	SY	$94.65	$4,921.80
527-2	DETECTABLE WARNINGS	16.00	SF	$44.02	$704.32
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	375.00	LF	$32.08	$12,030.00
536-8-112	GUARDRA CONN TO RIGID BA, F&I, N APPR 3	3.00	EA	$3,541.00	$10,623.00
536-8-113	GUARDRL TRANS CONN TO RIGID BA, F&I, TR	3.00	EA	$1,639.91	$4,919.73
536-8-122	GUARDRA CONN TO RIGID BA, F&I, APP E3	1.00	EA	$4,253.54	$4,253.54

536-8-123	APPROACH TRANS CONN TO RIGID BA, F&I, ET	1.00	EA	$1,928.76	$1,928.76
536-73	GUARDRAIL REMOVAL	621.00	LF	$2.95	$1,831.95
536-85-24	GUARDRAIL END TREATMENT-PARA APP TERM	1.00	EA	$3,676.92	$3,676.92
706-1-3	RAISED PAVMT MARK, TYPE B	1,418.00	EA	$4.45	$6,310.10
710-12-290	PAINTED PAVT MARK,DUR,YELLOW,ISLAND NOSE	20.00	SF	$3.28	$65.60
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	1.00	LS	$10,564.77	$10,564.77
711-11-123	THERMOPLASTIC, STD, WHITE, SOLID, 12"	330.00	LF	$2.94	$970.20
711-11-124	THERMOPLASTIC, STD, WHITE, SOLID, 18"	272.00	LF	$4.48	$1,218.56
711-11-125	THERMOPLASTIC, STD, WHITE, SOLID, 24"	905.00	LF	$5.91	$5,348.55
711-11-141	THERMOPLASTIC, STD, WHITE, DOT GUIDE, 6"	0.09	GM	$2,441.86	$219.77
711-11-170	THERMOPLASTIC, STD, WHITE, ARROW	38.00	EA	$91.52	$3,477.76
711-11-224	THERMOPLASTIC, STD, YELLOW, SOLID, 18"	101.00	LF	$4.32	$436.32
711-11-241	THERMOPLASTIC,STD,YELLOW,DOT / GUIDE, 6"	1.79	GM	$3,274.90	$5,862.07
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	3.94	GM	$6,044.33	$23,814.66
711-16-102	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 8"	0.93	GM	$7,097.37	$6,600.55
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	6.13	GM	$1,916.94	$11,750.84
711-16-201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	3.11	GM	$6,106.50	$18,991.22
713-103-101	PERMANENT TAPE, WHITE,SOLID,6" CONC BR	0.05	GM	$36,250.11	$1,812.51
713-103-181	PERM TAPE, WHITE,10-30 SKIP,6", FOR CONC	0.10	GM	$12,493.56	$1,249.36
713-103-201	PERMANENT TAPE, YELLOW,SOLID,6" CONC BR	0.05	GM	$36,361.46	$1,818.07

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	4

Roadway Component Total $3,658,873.97

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	4.50 / 0.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	110

Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	300.00	LF	$17.70	$5,310.00
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	200.00	LF	$9.35	$1,870.00
104-18	INLET PROTECTION SYSTEM	38.00	EA	$142.87	$5,429.06
107-1	LITTER REMOVAL	11.97	AC	$21.51	$257.47
107-2	MOWING	11.97	AC	$47.03	$562.95
	Shoulder Component Total				$13,429.48

DRAINAGE COMPONENT

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-5	MANHOLE, ADJUST	2.00	EA	$904.00	$1,808.00
	Comment: Storm Sewer				
	Drainage Component Total				$1,808.00

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	Miscellaneous
Multiplier	1
Description	

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	$1,759.01	$3,518.02
	Comment: includes lighting pull box				
660-2-101	LOOP ASSEMBLY- F&I, TYPE A	21.00	AS	$1,969.05	$41,350.05
	Signalizations Component Total				$44,868.07

LIGHTING COMPONENT

Conventional Lighting Subcomponent

Description	Value
Spacing	MIN

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	$1,759.01	$3,518.02
	Lighting Component Total				$3,518.02

Sequence 1 Total $3,722,497.54

Sequence: 2 RSD - Resurfacing, Divided **Net Length:** 1.647 MI 8,696 LF

Description: 1 Resurfacing, Divided. FUNDING CATEGORY B2 SAFETY IMPROVEMENTS WITH RRR FUNDS

Special Conditions: Typical section consists of six-lane divided roadway with 15.5-foot raised median, 11-foot inside travel lanes, 12-foot outside travel lane, 2-foot-curb and gutters, 6.5-foot concrete sidewalk on the east side, 4.5-foot paved shoulder and concrete barrier wall on the west side. Reconstruct non-ADA compliant curb ramps, install detectable warning material. Replace loop detectors. New crosswalks, curb ramps, signing, pedestrian signal heads, flexible retroreflective backplates, lighting.

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	43.00 / 36.00
Structural Spread Rate	0
Friction Course Spread Rate	0

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	94.00 SY	$94.65	$8,897.10
	Comment: New curb ramps for new crosswalks at NW 199 St			
527-2	DETECTABLE WARNINGS	40.00 SF	$44.02	$1,760.80

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	4

Roadway Component Total $10,657.90

SIGNING COMPONENT

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	10.00 EA	$509.76	$5,097.60

Signing Component Total $5,097.60

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	Miscellaneous
Multiplier	1
Description	

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	950.00	LF	$41.57	$39,491.50
632-7-2	SIGNAL CABLE, REPAIR/REPL-FUR & INSTALL	950.00	LF	$16.81	$15,969.50
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	$1,759.01	$3,518.02
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	2.00	AS	$5,865.13	$11,730.26
639-2-1	ELECTRICAL SERVICE WIRE, F&I	300.00	LF	$10.91	$3,273.00
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	5.00	EA	$2,697.00	$13,485.00
650-2-109	VEHIC SIGNAL AUX, REP/RETR F&I, FLEX BAC	38.00	EA	$616.18	$23,414.84
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	14.00	AS	$1,215.30	$17,014.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	14.00	EA	$483.09	$6,763.26
	Signalizations Component Total				$134,659.58

LIGHTING COMPONENT

Conventional Lighting Subcomponent

Description	Value
Spacing	MIN

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00	LF	$41.57	$8,314.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	1.00	EA	$1,759.01	$1,759.01
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	200.00	LF	$5.55	$1,110.00
715-61-342	LIGHT POLE CMPLT,STD,F&I, 40'MH,12'ARM L	1.00	EA	$12,023.36	$12,023.36
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	1.00	EA	$1,060.34	$1,060.34
	Subcomponent Total				$24,266.71
	Lighting Component Total				$24,266.71

Sequence 2 Total $174,681.79

Sequence: 3 RSD - Resurfacing, Divided **Net Length:** 1.647 MI 8,696 LF

Description: 1 Resurfacing, Divided. CATEGORY C - OTHER IMPROVEMENTS

Special Conditions: Typical section consists of six-lane divided roadway with 15.5-foot raised median, 11-foot inside travel lanes, 12-foot outside travel lane, 2-foot-curb and gutters, 6.5-foot concrete sidewalk on the east side, 4.5-foot paved shoulder and concrete barrier wall on the west side. Overbuild (6" avg) 2-lane pavement depression approx. 150' north of bridge 870950. (Maintenance Office indicated the pavement depression is outside maintenance requirement.)

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	43.00 / 36.00
Structural Spread Rate	0
Friction Course Spread Rate	0

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	132.00	TN	$225.00	$29,700.00
337-7-82	ASPH CONC FC,TRAFFIC C,FC-9.5,PG 76-22	28.00	TN	$260.00	$7,280.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	4

Roadway Component Total $36,980.00

Sequence 3 Total $36,980.00

Date: 7/28/2025 3:00:45 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 452567-1-52-01 **Letting Date:** 01/2028

Description: SR 823/NW 57TH AVENUE/RED RD FROM S. OF NW 186TH STREET TO S. OF HEFT

District: 06 **County:** 87 MIAMI-DADE **Market Area:** 13 **Units:** English

Contract Class: 1 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 1.647 MI

Project Manager: FUENTES, KARINA

Version 1-P Project Grand Total **$5,192,571.00**

Description: SR 823/NW 57TH AVENUE/RED RD FROM S. OF NW 186TH STREET TO S. OF HEFT. RRR FUNDING CATEGORY A - MILLING AND RESURFACING

Resurfacing Lane Mile Cost **$175,128.87**

Project Sequences Subtotal **$3,934,159.33**

102-1	Maintenance of Traffic	10.00 %	$393,415.93
101-1	Mobilization	10.00 %	$432,757.53

Project Sequences Total **$4,760,332.79**

Project Unknowns	8.00 %	$380,826.62
Design/Build	0.00 %	$0.00

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	$51,411.59	$51,411.59

Project Non-Bid Subtotal **$51,411.59**

Version 1-P Project Grand Total **$5,192,571.00**

APPENDIX H

Context Class and Target Speed Memorandum

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MEMORANDUM

To: Kenneth Jeffries - FDOT District 6
Jessica Josselyn, Spencer Maddox, PE, and Alexander Eide – Kittelson & Associates, Inc.
From: John McWilliams, PE – Kimley-Horn

Date: March 18, 2024

Subject: FM# 452567-1-52-01 SR 823 / NW 57 Avenue / Red Road from south of NW 186 Street to south of HEFT – RRR Scoping Report Project-level Context Classification (PLCC) and Target Speed Review

City/Town:	Unincorporated Miami-Dade	County:	Miami-Dade
Road Name:	NW 57 Ave/Red Rd	State Road Number:	823
Section Number:	87002000		
Begin Mile Point:	7.752	End Mile Point:	9.399

BACKGROUND

The Planning Office performs Project-level Context Classification (PLCC) reviews as projects are conducted. The purpose of these reviews is to re-evaluate at a more detailed, project-specific level the Original Systemwide Context Classification (OSCC) assignments. A review is also conducted on the SHS network beyond the project limits to determine if the logical termini of the subject designation/review are appropriate or if gaps within PLCC reviews exist in the vicinity of the project limits. Therefore, this review may include the review of context classification on the SHS network beyond the project limits.

In addition, a Target Speed review is conducted for RRR Scopes for the project-related limits only.

PLCC OVERVIEW

Based on a detailed analysis following FDOT's Context Classification Guidance, the PLCC for SR 823 / NW 57 Avenue / Red Road from south of NW 186 Street to south of HEFT is C3R – Suburban Residential. SR 823 from south of NW 186 Street to NW 199 Street is recommended to change from C4 – Urban General to C3R – Suburban Residential. SR 823 from NW 199 Street to south of HEFT is recommended to remain consistent with the OSCC of C3R – Suburban Residential.

PLCC ANALYSIS AND JUSTIFICATION FOR ERC PROJECT-RELATED LIMITS

Begin Milepoint:	7.752 (south of NW 186 Street)	8.54 (NW 199 Street)
End Milepoint:	8.54 (NW 199 Street)	9.399 (south of HEFT)
OSCC:	*C4 – Urban General*	*C3R – Suburban Residential*
PLCC Recommendation:	**C3R – Suburban Residential**	**C3R – Suburban Residential**

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SR 823 / NW 57 Avenue / Red Road from south of NW 186 Street to NW 199 Street: C3R – Suburban Residential

- Distinguishing characteristics are consistent with C3R – Suburban Residential, including:
  - Mostly single and multi-family residential land uses.
  - Set within large and irregular blocks with a disconnected roadway network.

- Primary and secondary measures are consistent with C3R – Suburban Residential, including:
  - Intersection density is less than 100 intersections per square mile.
  - Has no fronting uses.
  - Mostly detached buildings with medium (20' to 75') front setbacks.
  - Zoning for surrounding parcels is primarily single family residential (2.5 – 6 du/acre).

SR 823 / NW 57 Avenue / Red Road from NW 199 Street to south of HEFT: C3R – Suburban Residential

- Distinguishing characteristics are consistent with C3R – Suburban Residential, including:
  - Mostly single and multi-family residential land uses.
  - Set within large and irregular blocks with a disconnected roadway network.

- Primary and secondary measures are consistent with C3R – Suburban Residential, including:
  - Intersection density is less than 100 intersections per square mile.
  - Has no fronting uses.
  - Mostly detached buildings with medium to large (>75') front setbacks.
  - Zoning for surrounding parcels is primarily single family residential (2.5 – 6 du/acre).

PLCC REVIEW EXTENSION

The PLCC review was extended south to SR 860 (Milepoint 7.569). This extension covers SR 823 to SR 860, the next signalized intersection, provides logical termini, and prevents gaps in the PLCC analysis.

Begin Milepoint:	7.569 (SR 860/NW 183 Street/Miami Gardens Drive)
End Milepoint:	7.752 (south of NW 186 Street)
OSCC:	C4 – Urban General
PLCC Recommendation:	**C3C – Suburban Commercial**

SR 823 / NW 57 Avenue / Red Road from SR 860 / NW 183 Street to NW 186 Street: C3C – Suburban Commercial

- Distinguishing characteristics are consistent with C3C – Suburban Commercial, including:
  - Primarily commercial land uses with large building footprints and large parking lots.
  - A disconnected roadway network.
- Primary and secondary measures are consistent with C3C – Suburban Commercial, including:
  - Intersection density is less than 100 intersections per square mile.
  - Has no fronting uses.
  - Parking is primarily in the front in large lots.
  - Block perimeter is greater than 3,000 feet.
  - Block length is greater than 500 feet.

Figure 1 on the following page summarizes the project review limits and determination.

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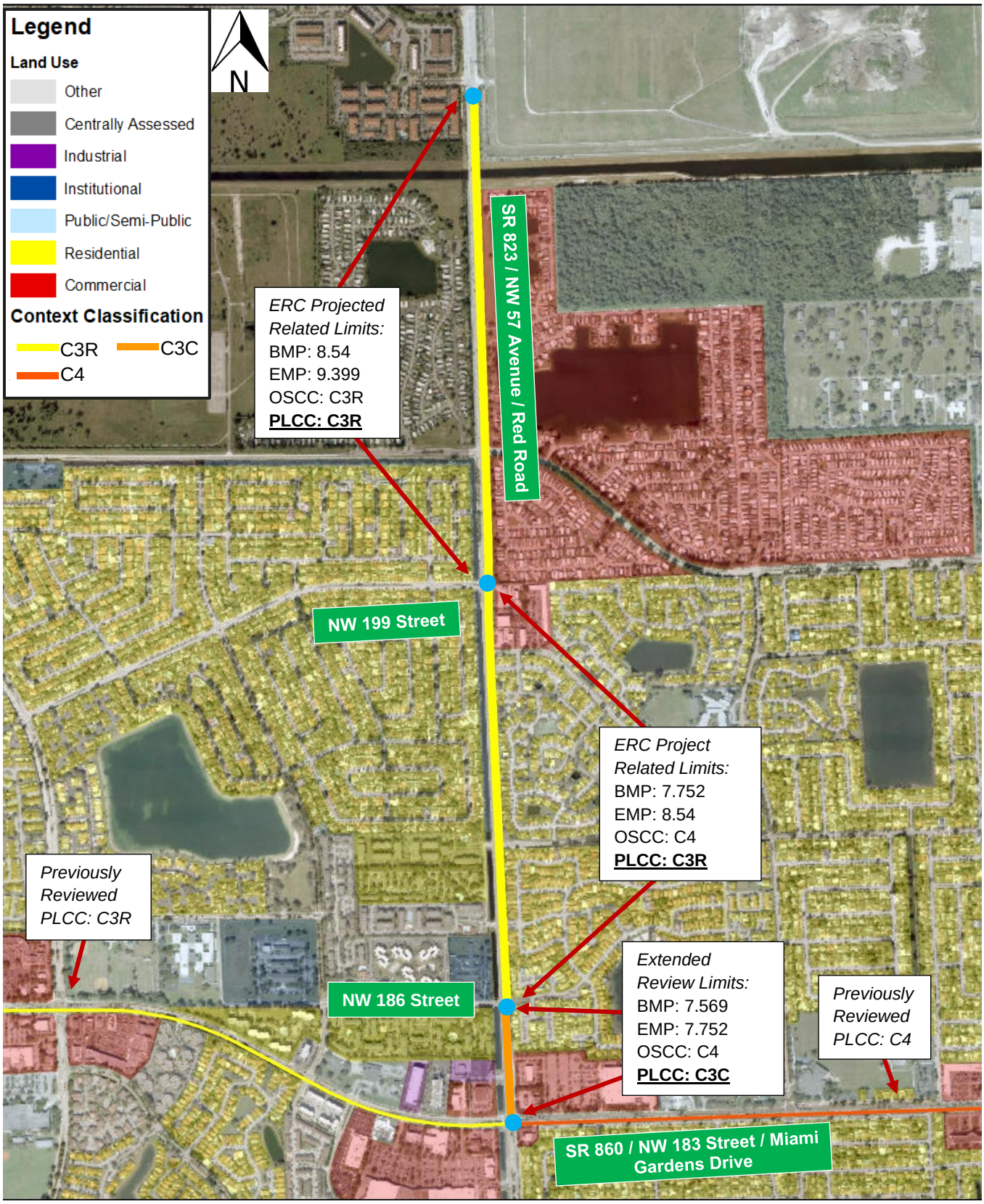

Figure 1. Project review limits along SR 823

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Target Speed Review

FDM Requirements and Guidance

Per the Florida Design Manual (FDM) 201.5.1, "it is considered best practice to provide initial Target Speed values as a part of the Context Classification determination." The Planning Office is conducting initial Target Speed evaluations as a part of the RRR process to inform the RRR Scope.

When setting the Target Speed, FDM 201.5.1 (provided in Appendix A) states "the Target Speed must:

- Be within the range of Design Speeds for the context classification (see Table 201.5.1);
- Reflect the needs of safety, quality of life, and economic development of the corridor; and
- Be established by a team that includes, but is not limited to, Design, Traffic Operations, Safety, Planning, and Program Management offices."

Additionally, FDM 201.5.1 provides the following guidance when determining the Target Speed:

- "In C2T through C6, consider starting with target speeds on the lower end of the range with justification provided for higher speeds…See the FDOT Context Classification Guide for more information about determining appropriate target speed."

The FDOT Context Classification Guide (excerpt provided in Appendix B), provides the steps to determine the target speed.

1. Determine *FDM* Consistency
2. Identify Starting Point for Target Speed
3. Identify Project Needs
    a. Who are the intended users? Are pedestrians, bicyclists, and transit riders traveling along or across the roadway?
    b. What are potential safety challenges? Are safety needs identified on the Safety Needs List Dashboard? Does crash data identify bicycle or pedestrian crashes? What is the frequency, severity, and key crash patterns of auto crashes?
    c. Are there special population groups using the corridor (lower income, 0-car households, aging population, school age children)?
    d. What is the level of community support? Has the community requested lower speeds?
    e. What is the transportation role of the roadway in the network? Is it used to access destinations? What is the density of driveways, side streets, and signals?
4. Review Potential Countermeasures
5. Document Target Speed

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PLEMO Target Speed Review and Recommendations

The Planning Office has conducted a Target Speed review of the corridor consistent with the FDM and the FDOT Context Classification Guide. The results of the Target Speed Review are presented below:

1. **Determine FDM Consistency**
    a. The allowable design speed range per the FDM is the following:

        i. C3R – (35 – 55 mph)
        ii. Per the RRR Scope, the existing design speed and posted speed are 45 mph.

2. **Identify Starting Point for Target Speed**
    a. Per the ***FDOT Context Classification Guide***, the starting point for target speed is the low end of the target speed range for C3R and an increase should be justified. In this case, the low end of the target speed range is 35 mph for C3R.

3. **Identify Project Needs**
    a. Who are the intended users? Are pedestrians, bicyclists, and transit riders traveling along or across the roadway?
        i. The corridor serves vehicles, pedestrians, bicyclists, and transit riders. A concrete sidewalk is present only on the east side of the corridor. No bicycle lanes are present on the corridor. A transit stop is present on the northbound side of SR 823 just north of the NW 199 Street intersection.

    b. What are potential safety challenges? Are safety needs identified on the Safety Needs List Dashboard? Does crash data identify bicycle or pedestrian crashes? What is the frequency, severity, and key crash patterns of auto crashes?
        i. The RRR Safety Report was reviewed. Corridor wide, the primary crash frequency is left-turn crashes. The SR 823 & NW 202 Street intersection was identified on the High Crash List 2019 3-year and 5-year for Intersections. The segment of SR 823 from south of NW 191 Street to north of NW 191 Street was identified on the High Crash List 2019 3-year for Segments.

            A review of Signal Four Analytics (S4) crash data from January 1, 2017 through June 16, 2023, was conducted to identify fatal and severe injury crash trends specifically involving pedestrians and cyclists. During this period, there was one (1) crash involving a pedestrian and five (5) crashes involving cyclists. The pedestrian related crash resulted in a fatality, and the fatal pedestrian crash occurred at the NW 199 Street intersection. The crashes involving cyclists did not result in severe injuries or fatalities. The bicycle crashes were concentrated around intersections, with two (2) of the crashes occurring at NW 202 Street and one (1) crash at each of the NW 186 Street, NW 189 Street, NW 199 Street intersections.
    c. Are there special population groups using the corridor (lower income, 0-car households, aging population, school age children)?
        i. Based on a review of the FHWA's Transportation Disadvantage Census Tracts, the corridor is in multiple Historically Disadvantaged Census Tracts (Tracts 12086011702, 12086011701, 12086010026).

    d. What is the level of community support? Has the community requested lower speeds?
        i. PLEMO is not currently aware of community support for lower speeds.
    e. What is the transportation role of the roadway in the network? Is it used to access destinations? What is the density of driveways, side streets, and signals?

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i. SR 823 / NW 57 Avenue / Red Road runs north to south starting at SR 25 / US 27 / Okeechobee Road in Seminola and runs up to I-595 east of Weston. SR 823 south of SR 860 has many commercial uses by the Miami-Opa Locka Executive Airport then a mix of residential and commercial uses through Hialeah and Seminola. SR 823 north of SR 860 is made up of mostly residential uses. The Homestead Extension of Florida's Turnpike (HEFT) intersects SR 823 on the northern boundary of the study area. Signal spacing ranges from approximately 700 feet to 1,800 feet.

4. Review Potential Countermeasures

Potential countermeasures are identified in FDM Table 202.3.1 by Context Classification and Target Speed. Existing speed management strategies are summarized below:

Existing Speed Management Strategies

- Landscaped medians with street trees.

5. Document Target Speed

Given the crash history, the context classification, existing landscaped median, and guidance from the FDM and FDOT Context Classification Guide, a project-specific Target Speed of 40-mph is recommended for SR 823 / NW 57 Avenue / Red Road from south of NW 186 Street to south of HEFT, consistent with the Target Speed referenced in the RRR Scope and 5 mph lower than the design speed and posted speed (45 mph). Note this Target Speed recommendation is for the project-related limits only and not the PLCC review extension.

Conclusion

The PLCC review concluded that the PLCC for the project-related limits of SR 823 / NW 57 Avenue / Red Road from south of NW 186 Street to NW 199 Street is recommended to change from C4 – Urban General to C3R – Suburban Residential, and the PLCC for SR 823 / NW 57 Avenue / Red Road from south of NW 186 Street to NW 199 Street is C3R – Suburban Residential, consistent with the original systemwide classification. The PLCC for the extended review limits of SR 823 / NW 57 Avenue / Red Road from SR 860 / NW 183 Street to south of NW 186 Street is recommended to change from C4 – Urban General to C3C – Suburban Commercial.

Given the crash history, the context classification, existing landscaped median, and guidance from the FDM and FDOT Context Classification Guide, a project-specific Target Speed of 40-mph is recommended for this RRR project which is consistent with the recommended Target Speed referenced in the RRR Scope and 5 mph lower than the design speed and posted speed (45 mph).

APPROVED CONTEXT CLASSIFICATION CHANGE

The following table summarizes the limits of the approved context classification change:

Roadway ID:	87002000 (SR 823 / Red Road)	87002000 (SR 823 / Red Road)
Begin Milepoint:	7.569 (SR 860/NW 183 Street)	7.752 (south of NW 186 Street)
End Milepoint:	7.752 (south of NW 186 Street)	8.54 (NW 199 Street)
OSCC:	*C4 – Urban General*	*C4 – Urban General*
PLCC Recommendation:	**C3C – Suburban Commercial**	**C3R – Suburban Residential**
PLEMO Approval:	DocuSigned by: 705CB16FD3D5405...	
Date:	03/19/2024 | 4:33 PM EDT	

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Appendix A
FDM 201.5.1 Design Speed Selection

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Speed must consider many factors. The AASHTO publication, ***A Policy on Geometric Design of Highways and Streets***, has a thorough discussion on Design Speed.

There are three categories of Design Speed:

High Speed: Design Speeds 50 mph and greater.

Low Speed: Design Speeds of 45 mph and less.

Very Low Speed: Design Speeds 35 mph and less.

201.5.1 Design Speed Selection

Design Speed should be selected early in the design process and should reflect the Target Speed (see below). Select a context-appropriate Design Speed to attain a desired degree of safety, mobility, and efficiency. Where the initial recommended Target Speed value is not feasible to attain in a single project, the Target Speed should be as close to the initial Target Speed values as can be achieved within the constraints of the project. Adjust both the Design Speed and Target Speed as appropriate to achieve a single value appropriate to the project. Select Design Speeds in increments of 5 mph.

Target Speed is the highest speed at which vehicles should operate on a thoroughfare in a specific context, consistent with the level of multi-modal activity generated by adjacent land uses, to provide both mobility for motor vehicles and a supportive environment for pedestrians, bicyclists, and public transit users. Determine appropriate Target Speed for all non-limited access projects where a Design Speed is also required. The Target Speed must:

- Be within the range of Design Speeds for the context classification (see ***Table 201.5.1***),
- Reflect the needs of safety, quality of life, and economic development of the corridor, and
- Be established by a team that includes, but is not limited to, Design, Traffic Operations, Safety, Planning, and Program Management offices.

It is expected that initial Target Speed values may be modified during project scoping to achieve the Target Speed as additional information is gathered and project scoping decisions are made. See the ***FDOT Context Classification Guide*** for more information about determining appropriate Target Speed.

In general, the Target Speed for C1 and C2 roadways should be on the higher end of the Design Speed range, with justification provided for lower speeds. In C2T through C6,

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consider starting with Target Speeds on the lower end of the range with justification provided for higher speeds.

It is considered a best practice to provide initial Target Speed values as part of the Context Classification determination. These initial values can be an effective starting point for the establishment of the Target Speed. For RRR projects where the initial Target Speed value is below the existing Design Speed or Posted Speed Limit, see ***FDM 202*** for Speed Management techniques to better align the Design Speed with Target Speed. In many cases, the Design Speed and the initial Target Speed values may both need to be changed to arrive at a Target Speed appropriate for the project.

*Commentary: The 85th-percentile observed speed is a starting point when traffic engineers conduct a speed study for setting speed limits (see the **FDOT Speed Zoning Manual** for more information, if desired.). The 85th percentile speed should be considered when selecting the Target Speed, but the Target Speed does not have to match the 85th-percentile speed.*

In many cases, speed management is required because the existing 85th-percentile speed is too high for current conditions, so setting Target Speed equal to the existing 85th-percentile speed would fail to accomplish the speed management objectives. The primary value of knowing the existing 85th percentile speed is to understand the potential magnitude of speed management interventions that may be required to achieve a selected Target Speed. Large speed reductions of more than 10 mph, for instance, may need to be approached incrementally over several projects, rather than achieved at once on a single project.

The District Design Engineer (DDE) and the District Traffic Operations Engineer (DTOE) jointly approve the selected Design and Posted Speeds. This approval is a declaration that the Posted Speed will not exceed the selected Design Speed. This is to be documented on the Typical Section Package as described in ***FDM 120.2.3***.

Table 201.5.1 provides an allowable range of mainline Design Speeds on the State Highway System. ***Table 201.5.2*** provides the minimum Design Speeds allowed on ramps.

Modification for Non-Conventional Projects:
See RFP for Design Speed and Target Speed.

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Table 201.5.1 Design Speed

Limited Access Facilities (Interstates, Freeways, and Expressways)		
Area	**Allowable Range (mph)**	**SIS Minimum (mph)**
Rural and Urban	70	70
Urbanized	50-70	60

Arterials and Collectors		
Context Classification	**Allowable Range (mph)**	**SIS Minimum (mph)**
C1 Natural	55-70	65
C2 Rural	55-70	65
C2T Rural Town	25-45	40
C3 Suburban	35-55	50
C4 Urban General	25-45	45
C5 Urban Center	25-35	-
C6 Urban Core	25-30	-

Notes:

(1) SIS Minimum Design Speed may be reduced to 35 mph for C2T Context Classification when appropriate design elements are included to support the 35-mph speed, such as on-street parking.

(2) SIS Minimum Design Speed may be reduced to 45 mph for curbed roadways within C3 Context Classification.

(3) For SIS facilities on the State Highway System, a selected Design Speed less than the SIS Minimum Design Speed requires a Design Variation as outlined in ***SIS Procedure (Topic No. 525-030-260)***.

(4) For SIS facilities not on the State Highway System, a selected Design Speed less than the SIS Minimum Design Speed may be approved by the District Design Engineer following a review by the District Planning (Intermodal Systems Development) Manager.

(5) SIS minimum Design Speed may be reduced to 30 mph for C2T, C3, and C4 for facilities with a transit route.

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Appendix B
Context Classification Guide Target Speed Guidance

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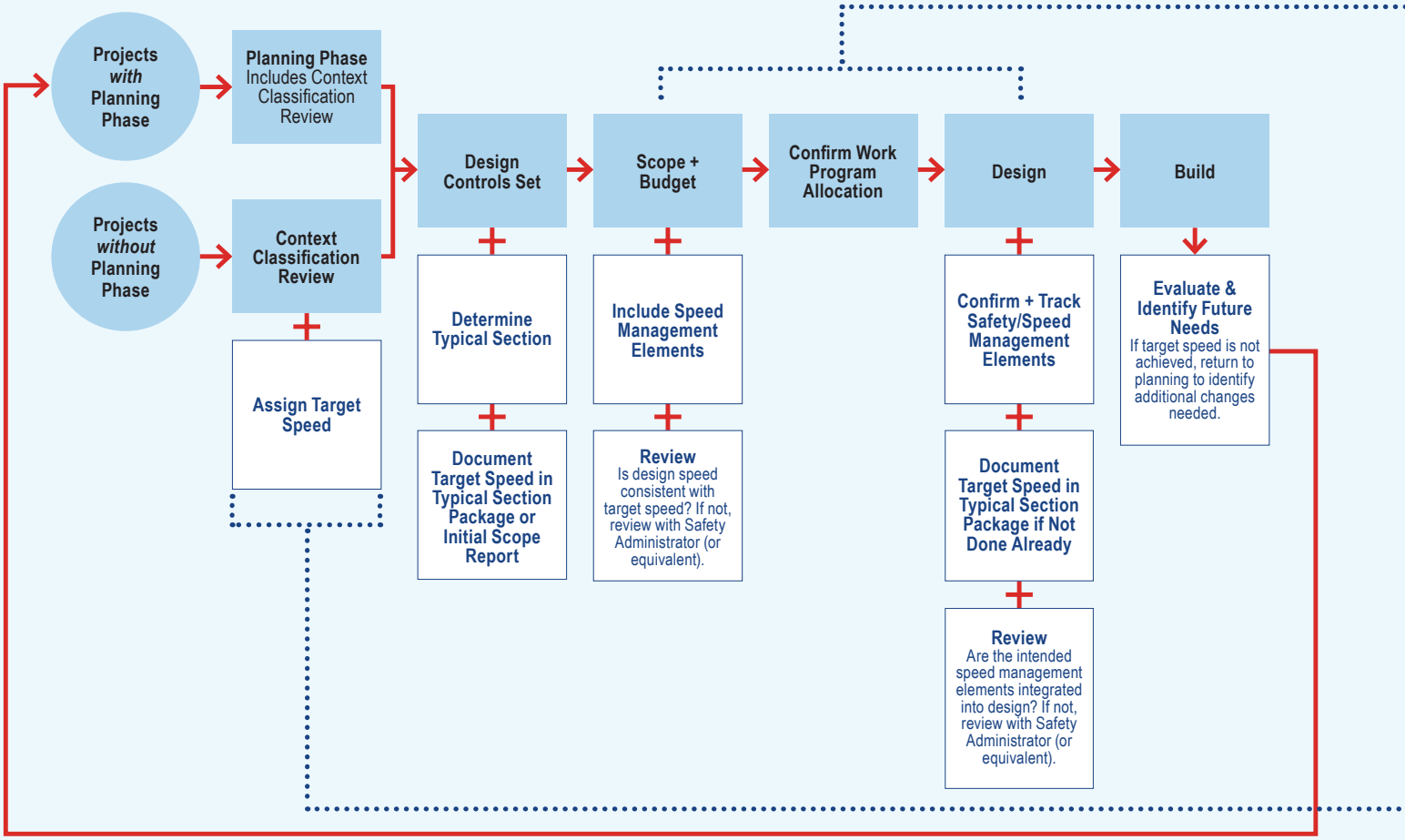
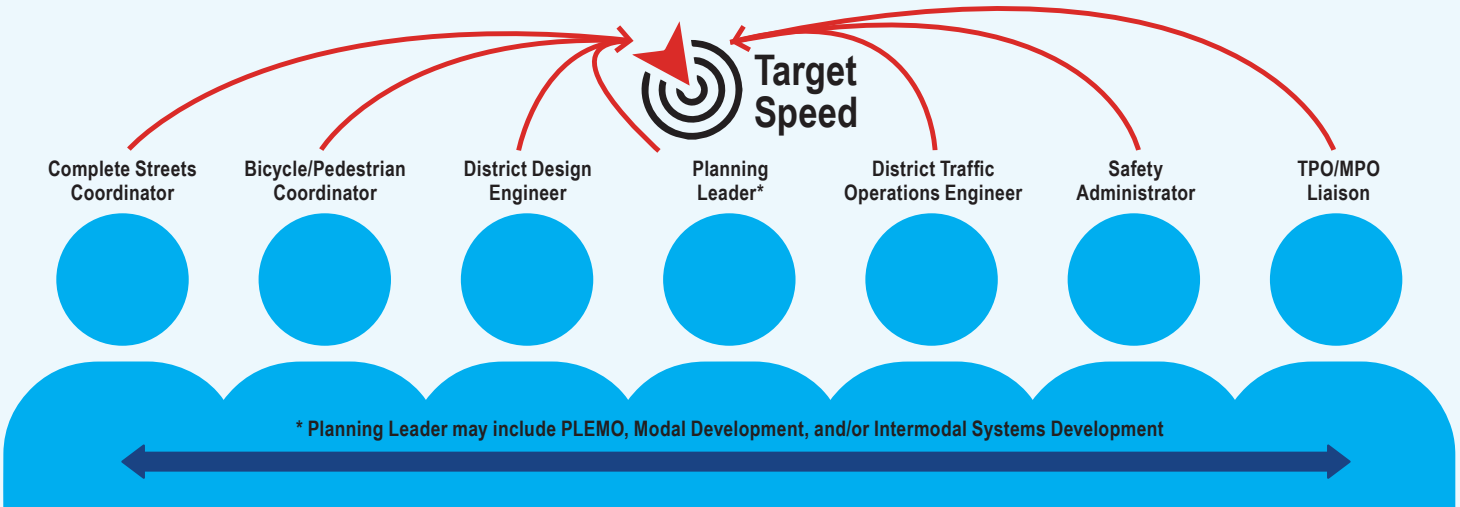
DETERMINING THE TARGET SPEED

The target speed must be identified early in the development process to inform and influence the selection and establishment of the design speed. Each District should define its own process for setting target speeds, including the individuals responsible. **Figure 19** shows an example process that identifies target speeds during the planning phase of the project and at the same time that the context classification is determined. Many datapoints used to define context classification also aid in determining target speed. **Districts should develop and adjust the process as needed to meet their unique needs, maintaining the key element of identifying and documenting target speed early in the process and prior to scope development.**

FIGURE 19 EXAMPLE PROCESS TO DETERMINE TARGET SPEED



The target speed should be identified by a multidisciplinary group of engineers and planners. This group can work together to set the target speed and make sure the elements identified to achieve the target speed are carried through scoping, design, and implementation.



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Include design elements to achieve the target speed in project scopes to limit changes after scoping. During design, scoped safety and speed management elements should be tracked for inclusion in the final project design. If elements are removed, they should be discussed with the District Safety Administrator or equivalent.

Within the design speed range, use the steps below to assign a target speed. The first two steps can be used to determine an initial target speed and may serve as a reasonable stopping point. Steps 3 through 5 help refine the target speed and arrive at a target speed that is more likely to be achieved based on project constraints.

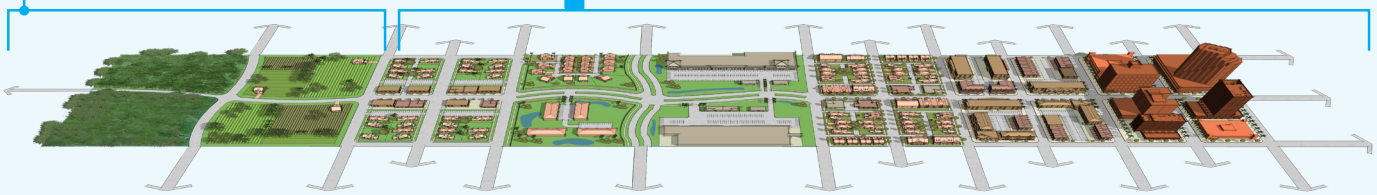
STEPS TO DETERMINING TARGET SPEED

1. **DETERMINE *FDM* CONSISTENCY:** Identify context classification, current design and posted speed, SIS designation, and ***FDM*** design speed range

2. **IDENTIFY STARTING POINT FOR TARGET SPEED:**

In C1 and C2, start at the high end of the design speed range and **justify reduction**.

In C2T, C3R, C3C, C4, C5, and C6 start at the low end of the design speed range and **justify increase**.



3. **IDENTIFY PROJECT NEEDS:** Refine the target speed using the following questions:

   a. Who are the intended users? Are pedestrians, bicyclists, and transit riders traveling along or across the roadway?

   b. What are potential safety challenges? Are safety needs identified on the Safety Needs List Dashboard? Does crash data identify bicycle or pedestrian crashes? What is the frequency, severity, and key crash patterns of auto crashes?

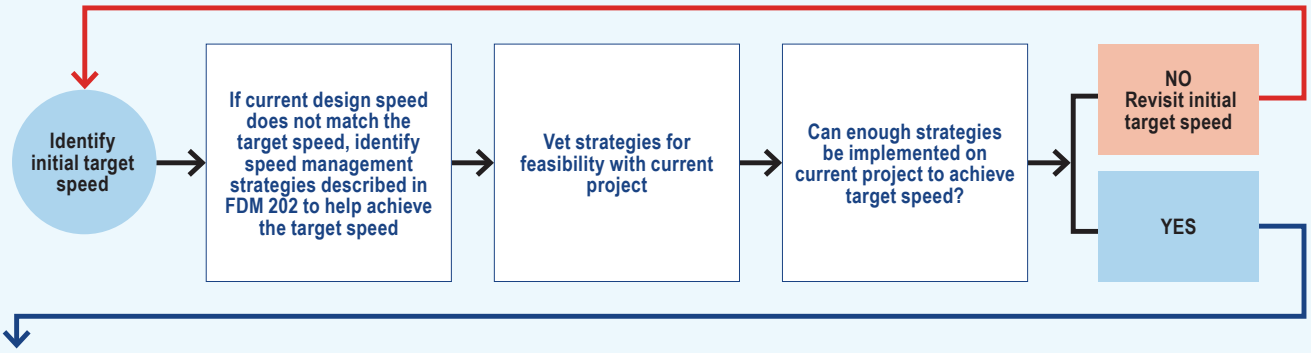
   c. Are there special population groups using the corridor (lower income, 0-car households, aging population, school age children)?

   d. What is the level of community support? Has the community requested lower speeds?

   e. What is the transportation role of the roadway in the network? Is it used to access destinations? What is the density of driveways, side streets, and signals?

Under a safe system approach, the absence of crashes does not mean the current posted speed is appropriate. Characteristics such as conflict points and separation of users can inform potential safety challenges. The FDM allows design flexibility to support the safe system approach and proactive safety efforts.

4. **REVIEW POTENTIAL COUNTERMEASURES:**



5. **DOCUMENT TARGET SPEED:** If the initial recommended target speed value is not feasible to attain in a single project, the target speed should be as close to the initial target speed values as can be achieved within the constraints of the project.

APPENDIX I

RRR Safety Review Report

RRR SAFETY REVIEW

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SIX – TRAFFIC OPERATIONS

TWO 12

Districtwide Traffic Operations & Safety Studies
FPID 250650-6-32-01
Contract C-CAP24

July 2024

SR 823/NW 57th Avenue

From South of NW 186th Street to North of NW 204th Street
Section 87002000 (MP 7.752 to MP 9.399)

FDOT Project Manager: Cristina Morales, PE

Resurfacing, Restoration, and Rehabilitation (RRR/3R)

SAFETY REVIEW

District Six Traffic Operations

District-Wide Traffic Operations & Safety Studies

FM: 250650-6-32-01

Contract No. C-AP24

Task Work Order No. 12

SR 823/NW 57TH AVENUE

FROM SOUTH OF NW 186TH STREET

TO NORTH OF NW 204TH STREET

Section 87002000 (MP 7.752 to 9.399)

FDOT Project Manager: Cristina Morales, P.E.

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ENGINEER'S CERTIFICATION

I, Jeffrey Slawinski, PE, with Florida PE No. 90922, certify that I currently hold an active Professional Engineer's License in the State of Florida, and I am competent through education or experience to provide engineering services in the civil and traffic engineering disciplines contained in this report. I further certify that this report was prepared by me or under my responsible charge as defined in Chapter 61G15-18.001 F.A.C. and that all statements, conclusions, and recommendations made herein are true and correct to the best of my knowledge and ability.

Project Description:

3R SAFETY REVIEW

SR 823/NW 57TH AVENUE

FROM SOUTH OF NW 186TH STREET TO NORTH OF NW 204TH STREET

Jeffrey Slawinski, P.E.
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1. INTRODUCTION

SR 823/NW 57th Avenue from South of NW 186th Street to North of NW 204th Street was identified by the Department as a candidate for a Resurfacing, Restoration, and Rehabilitation (3R) project with FM No. 452567-1. This report has been prepared in response to the Department's request for a safety review for this project. The purpose of the safety review is to identify crash patterns, suggest any further review, and/or recommend safety countermeasures to enhance safety and operations. Some of the recommended improvements could potentially be implemented through the subject 3R Project. **Figure 1-1** depicts the locations of the 3R safety review project.

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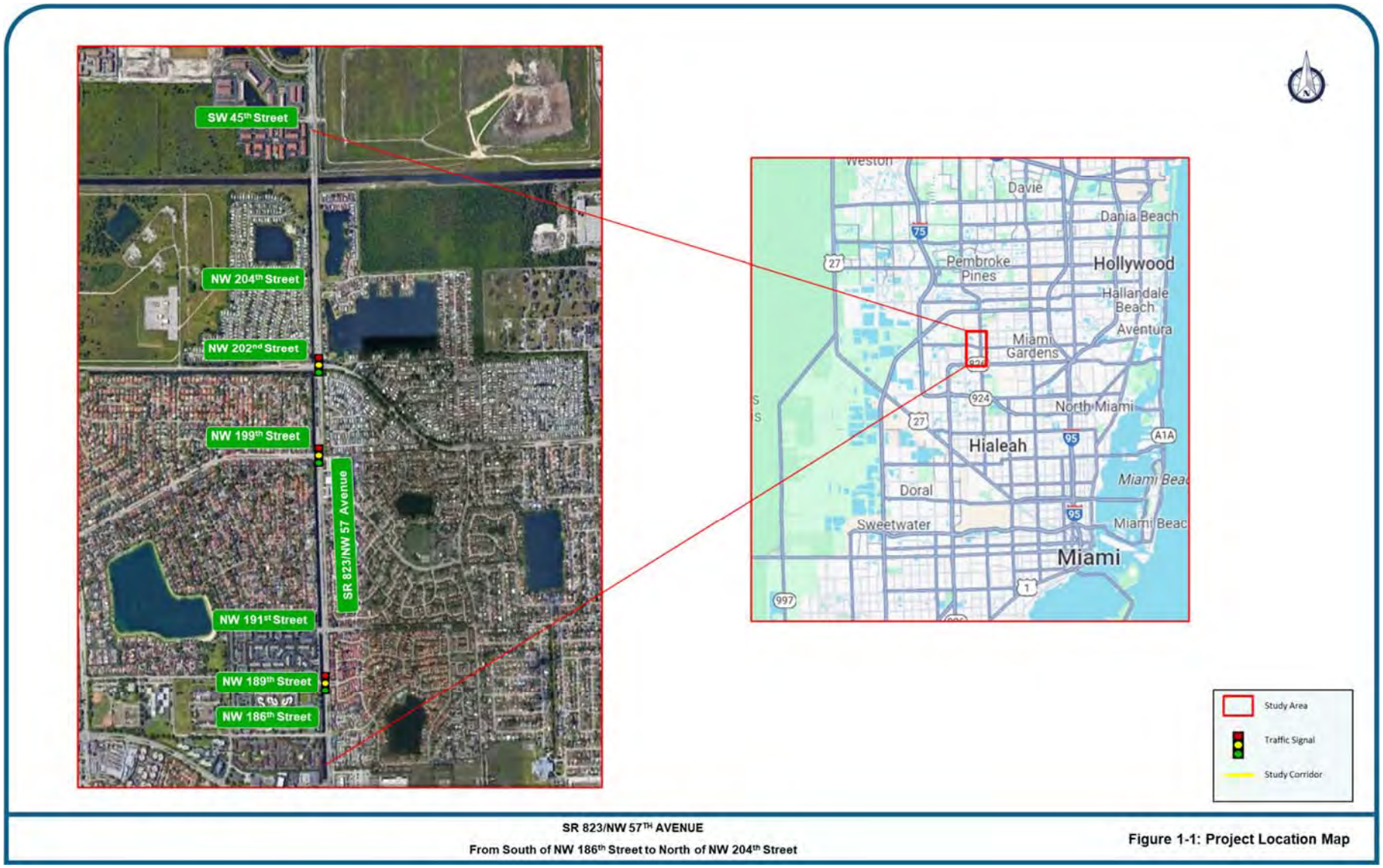

SR 823/NW 57TH AVENUE
From South of NW 186th Street to North of NW 204th Street

Figure 1-1: Project Location Map

2. EXISTING CONDITIONS

The study segment runs along SR 823/NW 57th Avenue from South of NW 186th Street to North of NW 204th Street in Unincorporated Miami-Dade County, Florida. SR 823/NW 57th Avenue is identified as section 87002000 on the State Highway System (SHS). Within the study limits, the study segment has a functional classification of 'Urban Principal Arterial Other' and an access management classification of 3 within the entire study area. SR 823/NW 57th Avenue is designated as context classification C4 'Urban General' from north of NW 183rd Street to north of NW 199th Street and as C3R 'Suburban Residential' from north of NW 199th Street to north of SW 45th Street.

The segment has a north-south orientation. Its typical section consists of three (3) travel lanes in each direction divided by a landscaped median within the entire study area. The posted speed limit along the SR 823/NW 57th Avenue is 45 MPH in both directions within the entire study area.

The segment has curbs and gutters along both sides, street lighting along the west side of the roadway, and sidewalks along the east side of the roadway. There is a stretch of corridor with sidewalks along both sides of the roadway from SW 45th Street to north of the C-9 Canal. The Miami Dade Transit Route 199 'Red Road Transit Hub - Aventura Mall' travels through the study area between NW 202nd Street and NW 176th Street and has one (1) bus stop, located on the east side of SR 823/NW 57th Avenue, approximately 130 ft north of the intersection with NW 199th Street.

Within the study area, the South Florida Water Management District Red Road Canal runs along the west side of SR 823/NW 57th Avenue from south of NW 186th Street until it meets the C-9 Canal between NW 204th Street and SW 45th Street. There are bridge structures on the west legs of the intersections at NW 186th Street, NW 189th Street, NW 191st Street, NW 199th Street, NW 202nd Street, and for northbound and southbound SR 823/NW 57th Avenue to cross the C-9 Canal. There is a concrete barrier wall on the west side of SR 823/NW 57th Avenue from SR 860/NW 183rd Street to approximately 200' south of NW 199th Street, and there is a metal guardrail from approximately 200' south of NW 199th Street to the C-9 Canal bridge.

The straight-line diagrams for the roadway sections forming the study segments are included in **Appendix A**. The study segment includes four (4) signalized intersections, three (3) unsignalized intersections, and median openings. The signalized intersections are as follows:

- SR 823/NW 57th Avenue at NW 189th Street
- SR 823/NW 57th Avenue at NW 195th Drive
- SR 823/NW 57th Avenue at NW 199th Street
- SR 823/NW 57th Avenue at NW 202nd Street

The signal timing reports for the signalized locations within the segment are included in **Appendix B**. The following are descriptions of the existing characteristics for each of the signalized intersections:

SR 823/NW 57th Avenue at NW 189th Street

This is a four-legged intersection with mast arm-mounted signal heads. The northbound and southbound left turn lanes operate under protected-permissive phasing, while the eastbound and westbound left-turn movements operate under permissive-only phasing. The northbound and southbound approaches each have a left-turn lane, two through lanes, and a shared through/right-turn lane; the eastbound approach has a shared left-turn/right-turn lane and a right-turn only lane; and the westbound approach is a two-lane exit from a gated community, without lane markings. There is a standard crosswalk on the east leg. There are no pedestrian signal heads or push buttons for crossing this intersection. There are internally illuminated street name signs facing all approaches. An aerial view of the intersection is presented in the below exhibit.

SR 823/NW 57th Avenue at NW 195th Drive

This is a three-legged intersection with mast arm-mounted signal heads. The southbound and westbound movements share a dual-mast arm, which is mounted in the median of SR 823/NW 57th Avenue. The southbound left turn lane operates under protected-permissive phasing and the westbound left turn lane operates under protected-only phasing. The northbound approach has two through lanes and a shared through/right turn lane; the southbound approach has a left-turn only lane and three through only lanes; and the westbound approach has a left-turn only lane and a right-turn only lane. There is a standard crosswalk on the east leg. There are no pedestrian signal heads or push buttons for crossing this intersection. There are internally illuminated street name signs facing all approaches. An aerial view of the intersection is presented in the below exhibit.

SR 823/NW 57th Avenue at NW 199th Street

This is a four-legged intersection with mast arm-mounted signal heads. The east leg of the intersection is a driveway for a 'RaceWay' gas station. The northbound and southbound left turn lanes operate under protected-permissive phasing, while the eastbound and westbound left-turn movements operate under permissive-only phasing. The northbound approach has a left-turn lane, two through lanes, and a shared through/right-turn lane; the southbound approach has a left-turn lane, three through only lanes, and a right turn lane; the eastbound approach has a left-turn lane, a through only lane, and a right-turn lane; and the westbound approach is a two-lane exit from a gas station, without lane use pavement markings. There is a standard crosswalk on the east leg. There are no pedestrian signal heads or push buttons for crossing this intersection. There are internally illuminated street name signs facing all approaches. An aerial view of the intersection is presented in the below exhibit. There are sidewalks along the north and south side of NW 199th Street that terminate at the intersection.

SR 823/NW 57th Avenue at NW 202nd Street

This is a four-legged intersection with mast arm-mounted signal heads. The westbound approach has a dual left-turn and operates under protected-only phasing, while the northbound, eastbound, and southbound left turn lanes operate under protected-permissive phasing. The northbound and southbound approaches each have a left-turn lane, two through lanes, and a shared through/right-turn lane; the eastbound approach has a left-turn lane, a through lane, and a shared through/right-turn lane; and the westbound approach has two left-turn lanes, a through only lane, and a right turn only lane. There is a standard crosswalk on the east leg of the intersection, with countdown pedestrian signal heads at both ends of the crosswalk. There are internally illuminated street name signs facing all approaches. An aerial view of the intersection is presented in the below exhibit.

3. WORK PROGRAM REVIEW

A review of the 2024-2028 five-year work program did not display any programmed project(s) that fall within or near the RRR project limits.

Previous efforts within the project limits included the following:

- FM 433425-1: SR 823/NW 57th Avenue from NW 183rd ST/Miami Gardens Drive To Miami-Dade/Broward County Line Landscaping Project. The Letting Date for this project was March 2016; construction began in July, 2016, and completed in December 2019. The scope of this project included providing roadside landscaping and removal of dead vegetation.
- CTP 2022-02-0015: SR 823/NW 57 Avenue at NW 191 Street Signal Warrant Analysis. A signal warrant analysis indicated that the intersection satisfied three (3) signal warrants and recommended the installation of a traffic signal at the intersection.
- FM 454657-1: SR 823/Red Road/NW 57 Avenue at NW 191 Street. This project is the follow-up to CTP 2022-02-0015 and the scope includes installing a traffic signal at the intersection of SR 823/Red Road/NW 57 Avenue at NW 191 Street. Currently, there is no letting date for this project.
- CTP 2018-001-0013: SR 823/NW 57 Avenue at NW 199 Street Crosswalk Feasibility Analysis. This study was pursuant to a citizen request to FDOT to provide marked crosswalks on the north and south legs of the intersection. The report recommended installing pedestrian crosswalks on the north and south legs, with pedestrian signals and push button detectors, increasing the cycle length and East-West green time, installing a stop bar for the southbound right turn, and installing countdown pedestrian signals with push buttons for the easting east leg crosswalk. The report was finalized in September 2018.
- CTP 2022-01-0014: SR 823/NW 57 Avenue at NW 202 Street Qualitative Assessment. This study was conducted pursuant to a citizen request to FDOT to restrict U-Turns at the intersection. The report indicated that U-Turning volumes were exceedingly low, were not a significant contributor to any crash patterns, and recommended no restrictions. However, the Qualitative Assessment did recommend an intersection analysis to address queueing and delays for the eastbound approach and the southbound left turn movement, and to investigate mitigating left turn crashes at the intersection.
- FM 250662-5-32-01: SR 823/NW 57 Avenue at NW 195 Drive Left-Turn Warrant Analysis Study. This study was initiated pursuant to a Fatal Crash Review (FCR) (2022 Batch 4, No. 22) involving a southbound left-turn crash, which recommended that a Left-Turn Phase Warrant Analysis be performed at the study intersection. The study recommended converting the southbound left-turn movement to protected-only phasing for all operation and was finalized in July 2024.

Extracts for this project and these reports are included in **Appendix C**.

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4. CRASH ANALYSIS

The crash data for the latest five-year period (January 1, 2018 to December 31, 2022) was downloaded from the FDOT's Signal Four Analytics database, reviewed, and summarized for the study segment. The raw data for the segment included 684 crashes; however, upon reviewing the raw data and eliminating crashes that fell outside the study limits, 622 crashes remained and were used for this safety review. The following is a summary of the analysis for the entire segment:

- The segment experienced 622 crashes in the five years, with a yearly breakdown of 136, 141, 106, 110, and 129 crashes from 2018 to 2022.
- The percentage of nighttime crashes (night/dusk/dawn) was 33.6% (209 crashes). The current district-wide average of nighttime crashes is 27.2%.
- The percentage of crashes during wet/slippery pavement conditions was 13.8% (86 crashes), above the district-wide average of 12.5%.
- Based on crash severity, 29.4% (183 crashes) were injury-type crashes, and 70.3% (437 crashes) were property damage-only crashes. There were two (2) fatal crashes during the five-year study period as described below:
    - The first fatal crash occurred on the north leg of the intersection of SR 823/NW 57th Avenue and NW 199th Street on Monday, April 9, 2018, at 11:56 AM, when a pedestrian attempted to cross the north leg of SR 823/NW 57th Avenue away from the intersection and was struck by a northbound vehicle. The pedestrian was transported to Aventura Trauma and pronounced dead at 1:32 PM. The crash occurred under dry-surface and clear weather conditions. The fatal crash disposition (2018 B3, No. 1) prepared for this crash recommended no further action.
    - The second fatal crash occurred at the intersection of SR 823/NW 57th Avenue and NW 195th Drive on Saturday, March 19, 2022, at 10:35 PM, when a southbound left turning vehicle failed to yield to oncoming traffic and crashed with a northbound through vehicle. After the initial collision, the northbound driver entered the southbound lanes and crashed a third vehicle, became airborne, and collided with a fourth vehicle. The driver of the third vehicle was pronounced dead on March 28, 2022 as a result of injuries sustained form the crash. The crash occurred under dry-surface and clear weather conditions. The fatal crash disposition (2022 B4, No. 22) prepared for this crash recommended conducting a left turn phase warrant analysis. The Left Turn Warrant Analysis has not been completed as of the time of writing of this report.
- The leading crash types were rear end with 253 crashes, left turn with 117, and sideswipe with 104 crashes.
- Of the 253 rear end crashes, 106 crashes involved southbound vehicles, 99 crashes involved northbound vehicles, 30 crashes involved westbound vehicles, and 18 crashes involved eastbound vehicles. According to the police reports, 'Followed too Closely' was the leading cause, with 211 crashes (83.4%). The peak period for rear end crashes was 3 PM to 6 PM with 65 crashes (25.7%).
- Of the 117 left turn crashes, 45 crashes involved southbound turning vehicles, 40 crashes involved northbound turning vehicles, 27 crashes involved eastbound turning vehicles, and five (5) crashes involved westbound turning vehicles. According to the police reports, 'Failed to Yield Right-Of-Way' was the leading cause of 106 crashes (90.6%). The peak periods for left turn crashes were 6 PM to 9 PM and 9 PM to Midnight, with 21 crashes (17.9%) each.

- Of the 103 sideswipe crashes, 44 crashes involved southbound vehicles, 38 crashes involved northbound vehicles, 11 crashes involved westbound vehicles, eight (8) crashes involved eastbound vehicles, and two (2) crashes occurred between vehicles traveling in opposing directions. According to the police reports, 'Failed To Keep In Proper Lane' was the leading cause, with 55 crashes (53.4%). The peak period for sideswipe crashes was 3 PM to 6 PM with 28 crashes (27.2%).
- One (1) pedestrian and two (2) bicycle crashes occurred during the five-year study period. All of those crashes occurred during under daylight and dry pavement conditions.
    - The pedestrian crash is the first fatal crash detailed above. The crash occurred on the north leg of the intersection of SR 823/NW 57th Avenue and NW 199th Street on Monday, April 9, 2018, at 11:56 AM, when a pedestrian attempted to cross SR 823/NW 57th Avenue away from the intersection and was struck by a northbound vehicle. The crash occurred under dry-surface and clear weather conditions.
    - The first bicycle crash was a hit-and-run crash that occurred on the east leg crosswalk at the intersection of SR 823/NW 57th Avenue and NW 199th Street on Monday, November 15, 2021, at 2:55 PM, when a westbound driver ran a red light and struck the bicyclist crossing in the marked crosswalk. The crash occurred under dry-surface and clear weather conditions.
    - The second bicycle crash occurred on the east leg crosswalk at the intersection of SR 823/NW 57th Avenue and NW 202nd Street on Tuesday, August 2, 2022, at 5:30 PM, when a southbound left turning with a permissive signal failed to yield the right of way to a bicyclist crossing NW 202nd Street in the marked crosswalk. The crash occurred under dry-surface and clear weather conditions.

According to the Department's 2019 3-Year and 5-Year High Crash Lists for spots and segments, the following high crash location was included in the segment:

- High Crash List 2019 3-yr and 5-yr Intersection:
    - SR 823/NW 57th Avenue at NW 202nd Street (MP 8.769)
- High Crash List 2019 3-yr Segment:
    - SR 823/NW 57th Avenue from South of NW 191st Street to North of NW 191st Street (MP 7.922 to MP 8.122)

Segments with a confidence level of 99.95% or higher have a probability of their crash rates being abnormally high. **Table 4.1** shows the study segment's confidence levels in the suburban and urban segments. The crash rates for 2022 were not available when the report was written.

Table 4.1: Confidence Level Calculations

Year	2018	2019	2020	2021	2022
Number of Crashes	136	141	106	110	129
Average Daily Traffic (ADT)	47,752	46,266	42,323	46,460	46,774
Actual Crash Rate (ACR)	4.738	5.070	4.166	3.938	4.588
District 6 Average Crash Rate (A)	1.504	1.524	0.647	0.391	#N/A
Average Vehicle Exposure (M)	28.706	27.813	25.443	27.930	28.118
Critical Crash Rate (CCR)	2.239	2.276	1.151	0.762	#N/A
Safety Ratio	0.671	0.669	0.561	0.513	#N/A
Statistical Significance	14.207	15.227	22.204	30.138	-
Confidence Level	99.99%	99.99%	99.99%	99.99%	99.99%

Table 4.2 presents a summary by crash type for the segment, and **Table 4.3** presents a crash summary by different categories, such as lighting conditions, surface conditions, and weather conditions. The same information is depicted graphically in **Figure 4-1** for visual comparison. **Table 4.4** and **Figure 4-2** present an overall perspective of the clustering and staggering crashes along the study segment. Collision Diagrams were prepared for the above locations for the analysis period of January 1, 2017, through December 31, 2019, and are presented in **Appendix D**.

Table 4.2: Crash Summary by Type – Segment

SR 823 NW 57 Ave from S of NW 186 Street to S of HEFT		Number of Crashes					5 Year Total Crashes	Mean Crashes Per Year	%
		Year							
		2018	2019	2020	2021	2022			
CRASH TYPE	Rear End	54	58	43	47	51	253	51	40.7%
	Head On	0	1	0	0	0	1	0	0.2%
	Angle	21	16	12	16	25	90	18	14.5%
	Left Turn	24	24	20	24	25	117	23	18.8%
	Right Turn	6	5	5	2	3	21	4	3.4%
	Sideswipe	23	29	14	15	22	103	21	16.6%
	Backed Into	0	3	0	0	1	4	1	0.6%
	Pedestrian	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**0.2%**
	Bicycle	**0**	**0**	**0**	**1**	**1**	**2**	**0**	**0.3%**
	Fixed Object	7	3	8	4	1	23	5	3.7%
	Impact Attenuator/Crash Cushion	0	0	0	0	0	0	0	0.0%
	Bridge Overhead Structure	0	0	0	0	0	0	0	0.0%
	Bridge Pier or Support	0	0	0	0	0	0	0	0.0%
	Bridge Rail	0	0	0	0	0	0	0	0.0%
	Culvert	0	0	0	0	0	0	0	0.0%
	Curb	3	1	1	1	0	6	1	1.0%
	Ditch	0	0	0	0	0	0	0	0.0%
	Embankment	0	0	0	0	0	0	0	0.0%
	Guardrail Face	3	0	1	0	0	4	1	0.6%
	Guardrail End	0	0	0	0	0	0	0	0.0%
	Cable Barrier	0	0	0	0	0	0	0	0.0%
	Concrete Traffic Barrier	0	0	0	0	0	0	0	0.0%
	Other Traffic Barrier	0	0	0	0	0	0	0	0.0%
	Tree (Standing)	1	0	5	3	1	10	2	1.6%
	Utility Pole/Light Support	0	0	1	0	0	1	0	0.2%
	Traffic Sign Support	0	1	0	0	0	1	0	0.2%
	Traffic Signal Support	0	0	0	0	0	0	0	0.0%
	Other Post, Pole Or Support	0	0	0	0	0	0	0	0.0%
	Fence	0	1	0	0	0	1	0	0.2%
	Mailbox	0	0	0	0	0	0	0	0.0%
	Other Fixed Object	0	0	0	0	0	0	0	0.0%
	Other Non Fixed Object Collisions	0	1	0	0	0	1	0	0.2%
	Non-Collisions	0	1	4	1	0	6	1	1.0%
	Overturn/Rollover	0	0	1	1	0	2	0	0.3%
	Fire/Explosion	0	0	0	0	0	0	0	0.0%
	Immersion	0	0	0	0	0	0	0	0.0%
	Jackknife	0	0	0	0	0	0	0	0.0%
	Cargo/Equipment Loss or Shift	0	0	1	0	0	1	0	0.2%
	Fell/Jumped from Motor Vehicle	0	0	0	0	0	0	0	0.0%
	Thrown or Falling Object	0	1	0	0	0	1	0	0.2%
	Ran into Water/Canal	0	0	0	0	0	0	0	0.0%
	Other Non-Collision	0	0	2	0	0	2	0	0.3%
	Others	0	0	0	0	0	0	0	0.0%
	Total Crashes	**136**	**141**	**106**	**110**	**129**	**622**	**124**	**100.0%**

Table 4.3: Crash Summaries by Other Categories – Segment

SR 823 NW 57 Ave from S of NW 186 Street to S of HEFT		Number of Crashes					5 Year Total Crashes	Mean Crashes Per Year	%
		Year							
		2018	2019	2020	2021	2022			
CRASH SEVERITY	PDO Crashes	92	107	69	74	95	437	87	70.3%
	Fatal Crashes	1	0	0	0	1	2	0	0.3%
	Injury Crashes	43	34	37	36	33	183	37	29.4%
LIGHTING CONDITIONS	Daylight	105	93	69	71	75	413	83	66.4%
	Dusk	2	6	4	4	5	21	4	3.4%
	Dawn	2	1	2	0	3	8	2	1.3%
	Dark	27	41	31	35	46	180	36	28.9%
	Unknown	0	0	0	0	0	0	0	0.0%
SURFACE CONDITIONS	Dry	120	123	80	99	114	536	107	86.2%
	Wet	16	18	26	11	15	86	17	13.8%
	Others	0	0	0	0	0	0	0	0.0%
MONTH OF THE YEAR	January	21	9	12	5	11	58	12	9.3%
	February	10	5	7	8	5	35	7	5.6%
	March	10	12	12	8	8	50	10	8.0%
	April	11	13	4	7	8	43	9	6.9%
	May	8	19	9	9	11	56	11	9.0%
	June	6	12	6	11	10	45	9	7.2%
	July	12	12	5	8	11	48	10	7.7%
	August	11	8	14	10	8	51	10	8.2%
	September	18	12	13	8	13	64	13	10.3%
	October	9	11	8	12	13	53	11	8.5%
	November	8	12	12	12	18	62	12	10.0%
	December	12	16	4	12	13	57	11	9.2%
DAY OF THE WEEK	Monday	15	26	13	17	24	95	19	15.3%
	Tuesday	29	23	11	20	25	108	22	17.4%
	Wednesday	14	18	15	16	13	76	15	12.2%
	Thursday	29	21	18	15	19	102	20	16.4%
	Friday	24	23	11	19	19	96	19	15.4%
	Saturday	18	19	24	15	17	93	19	15.0%
	Sunday	7	11	14	8	12	52	10	8.4%
HOUR OF THE DAY	00:00-06:00	6	5	7	8	6	32	6	5.1%
	06:00-09:00	25	22	8	14	17	86	17	13.8%
	09:00-11:00	13	11	10	8	8	50	10	8.0%
	11:00-13:00	16	14	11	7	7	55	11	8.8%
	13:00-15:00	17	14	10	16	17	74	15	11.9%
	15:00-18:00	34	28	29	24	30	145	29	23.3%
	18:00-21:00	15	28	16	19	30	108	22	17.4%
	21:00-24:00	10	19	15	14	14	72	14	11.6%
WEATHER CONDITIONS	Clear	114	119	78	93	108	512	102	82.3%
	Cloudy	10	14	13	15	9	61	12	9.8%
	Rain	12	8	15	2	12	49	10	7.9%
	Fog, Smog, Smoke	0	0	0	0	0	0	0	0.0%
	Sleet/Hail/Freezing Rain	0	0	0	0	0	0	0	0.0%
	Blowing Sand, Soil, Dirt	0	0	0	0	0	0	0	0.0%
	Severe Crosswinds	0	0	0	0	0	0	0	0.0%
	Other	0	0	0	0	0	0	0	0.0%

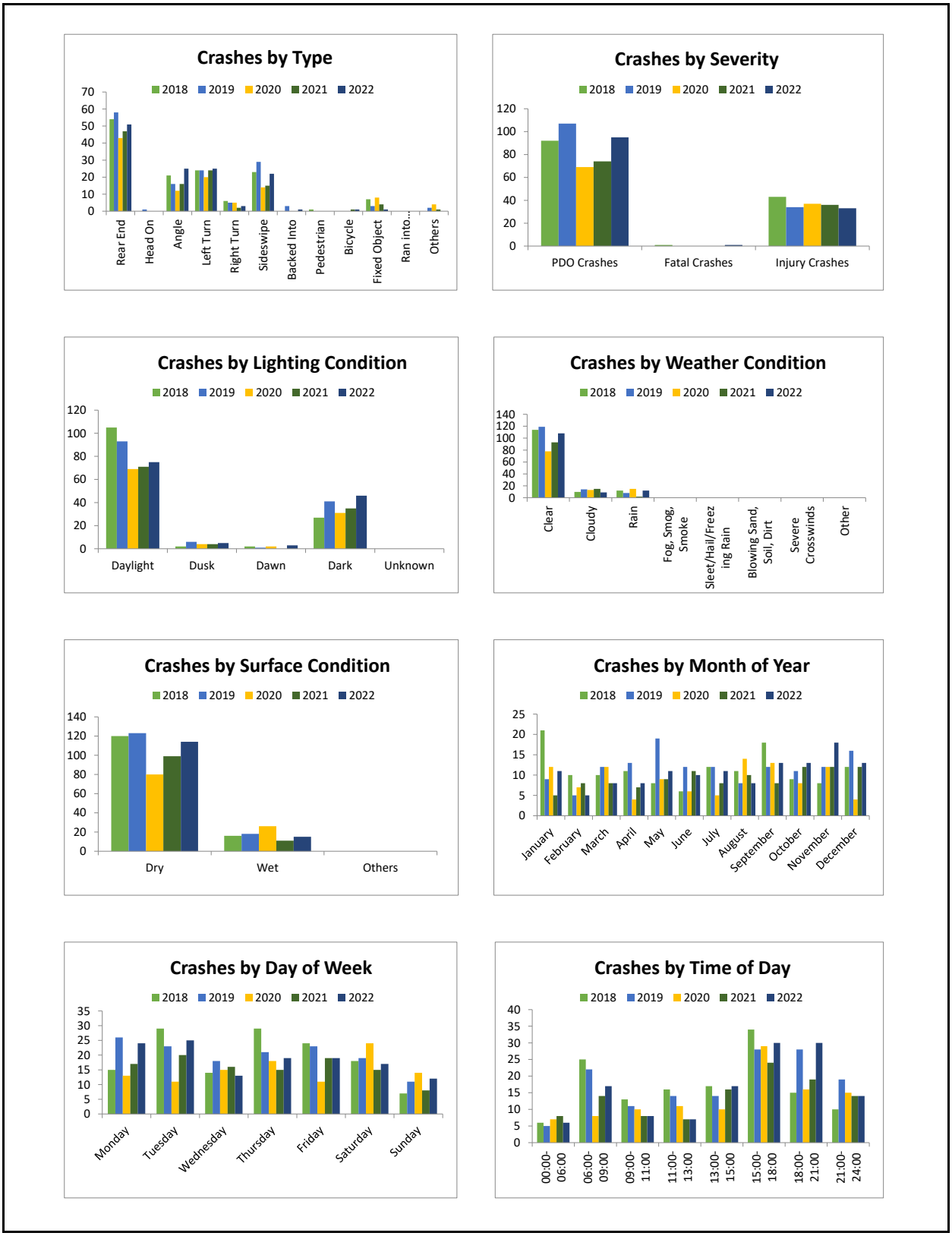

Figure 4-1: Histograms of Crash Summaries

Table 4.4: Crash Distribution at Intersections

Location	2018	2019	2020	2021	2022	PDO	Injury	Fatal	Totals	Average
NW 186 Street	6	9	5	2	4	18	8	0	26	5
NW 189 Street	12	11	8	7	12	35	15	0	50	10
NW 191 Street	24	19	15	18	21	63	34	0	97	19
NW 195 Drive	9	11	12	10	16	41	16	1	58	12
NW 199 Street	23	24	17	17	23	71	32	1	104	21
NW 202 Street	47	55	38	45	47	172	60	0	232	46
NW 204 Street	12	7	11	11	5	31	15	0	46	9
Between MP 9.127 and MP 9.399	3	5	0	0	1	6	3	0	9	2
Total	**136**	**141**	**106**	**110**	**129**	**437**	**183**	**2**	**622**	**124**

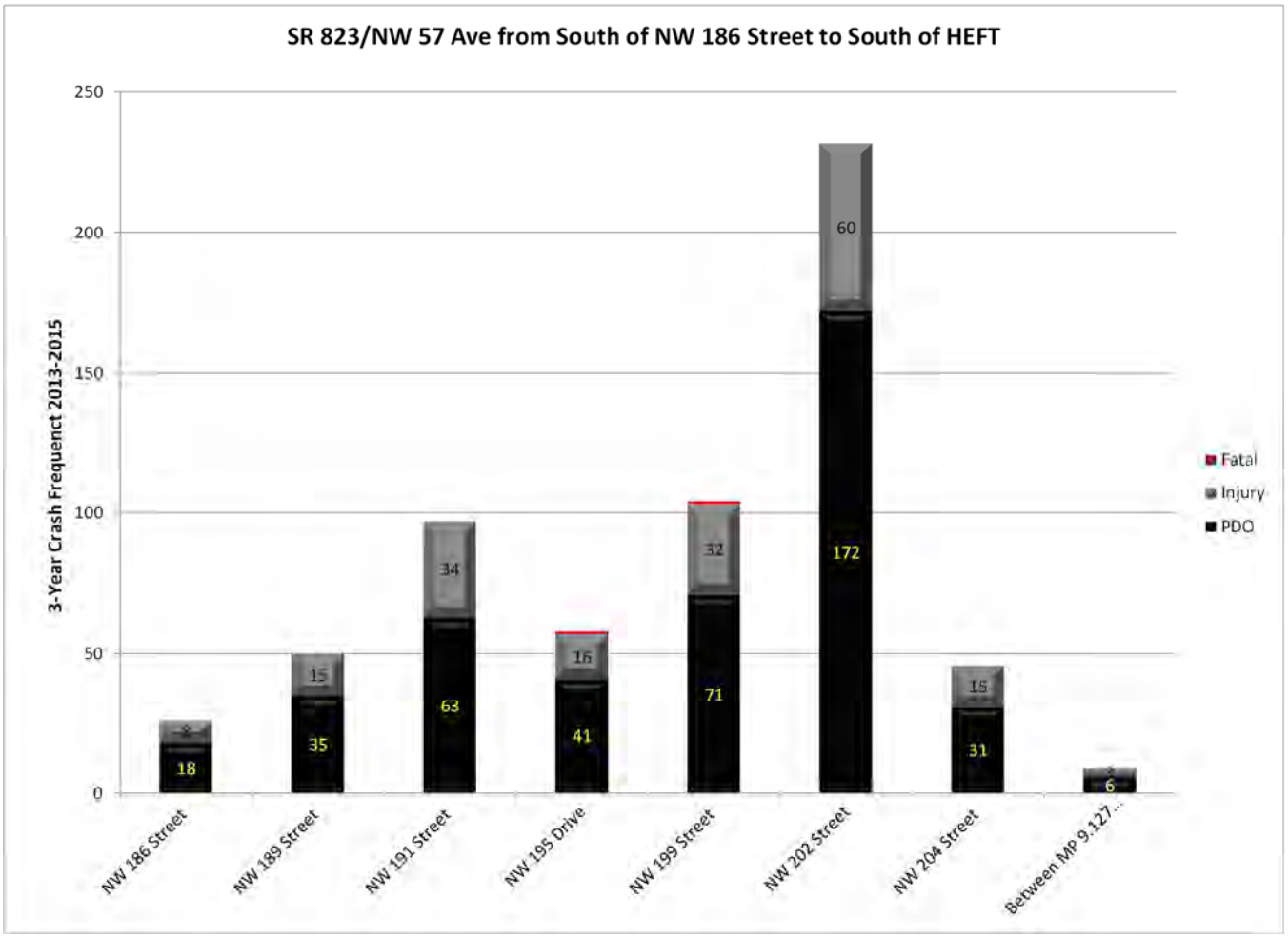

Figure 4-2: Crash Distribution by Intersection

From **Table 4.4**, **Figure 4.2**, the Collision Diagrams for the entire segment, the following locations are further investigated:

- SR 823/NW 57th Avenue at NW 191st Street
- SR 823/NW 57th Avenue at NW 199th Street
- SR 823/NW 57th Avenue at NW 202nd Street

Due to the ongoing left-turn Phase Warrant Analysis Study being conducted by the Department at the NW 195th Drive signal, no further effort is required for this location at this time.

SR 823/NW 57th Avenue at NW 191st Street

Given the geometric layout of this intersection, an expected value analysis (EVA) was performed using the following layout: 6 Lane x 2 Lane, Unsignalized, 4 Leg Intersection. The EVA revealed Angle, Left Turn, Right Turn, and Sideswipe crashes to be abnormal at the 95th percentile.

- Overall, there were 97 crashes in the five-year study period, with a yearly breakdown of 24, 19, 15, 18, and 21 crashes from 2018 to 2022.
- The percentage of nighttime crashes (night/dusk/dawn) was 33.0% (32 crashes), above the district-wide average of 27.2%.
- The percentage of crashes during wet/slippery pavement conditions was 12.4% (12 crashes), just below the district-wide average of 12.5%.
- Based on crash severity, 35.1% (34 crashes) were injury-type crashes, and 64.9% (63 crashes) were property damage-only crashes. There were no fatal crashes during the five-year study period.
- The leading crash type was angle, with 39 crashes.
- Of the 39 angle crashes, 33 crashes occurred between westbound and northbound vehicles, three (3) crashes occurred between westbound and southbound vehicles, two (2) crashes occurred between eastbound and southbound vehicles, and one (1) crash occurred between eastbound and northbound vehicles. According to the police reports, 'Failure to Yield the Right-of-Way' was the leading cause of rear end crashes with 30 crashes (76.9%). The peak period for all rear end crashes was 3 PM to 6 PM, with 13 crashes (33.3%).
- Of the 11 left turn crashes, five (5) crashes involved a westbound turning vehicle, four (4) crashes involved a southbound turning vehicle, and two (2) crashes involved a northbound turning vehicle. According to the police reports, 10 of the left turn crashes occurred due to the turning vehicle failing to yield the right-of-way to a through vehicle and for one (1) crash, the drivers of both vehicles entered an intersection from a stop-controlled approach and the police were unable to determine which vehicle was at fault. The peak period for all left turn crashes was 3 PM to 6 PM, with four (4) crashes (36.4%).
- Of the four (4) right turn crashes, three (3) crashes involved westbound right turning vehicles and one (1) crash involved an eastbound right turning vehicle. According to the police reports, three (3) of the crashes involved turning vehicles that failed to yield the right of way to through vehicles and one (1) crash involved a turning vehicle that ran a stop sign and crashed with a through vehicle. The right turn crashes were spread throughout the day and did not have a peak period.
- Of the 17 sideswipe crashes, eight (8) crashes involved northbound vehicles, eight (8) crashes involved southbound vehicles, and one (1) crash involved westbound vehicles. According to the police reports, 'Failure To Keep In Proper Lane' was the leading cause of the sideswipe crashes with 11 crashes (64.7%). The peak period for all sideswipe crashes was 3 PM to 6 PM, with six (6) crashes (35.3%).
- There were no pedestrian or bicycle crashes during the five-year study period.

Table 4-5 summarizes the crash statistics of the intersection.

Table 4.5: Crash Statistics - SR 823/NW 57th Avenue at NW 191st Street

SR 823 NW 57 Ave at NW 191 Street 6 Lane x 2 Lane, Unsignalized, 4 Leg Intersection		Number of Crashes Year					5 Year Total Crashes	Mean Crashes Per Year	%	Expected Annual Crash Value Abnormally High Crashes per year		90 %ile	95 %ile
		2018	2019	2020	2021	2022				90th percentile	95th percentile		
CRASH TYPE	Rear End	6	4	3	2	5	20	4.00	20.6%	4.00	4.61		
	Head On	0	0	0	0	0	0	0.00	0.0%	0.00	0.00		
	Angle	10	9	3	8	9	39	7.80	40.2%	2.25	2.59	X	X
	Left Turn	2	3	3	2	1	11	2.20	11.3%	1.70	1.96	X	X
	Right Turn	1	1	0	1	1	4	0.80	4.1%	0.16	0.19	X	X
	Sideswipe	3	1	4	4	5	17	3.40	17.5%	1.01	1.16	X	X
	Backed Into	0	0	0	0	0	0	0.00	0.0%	0.11	0.13		
	Pedestrian	0	0	0	0	0	0	0.00	0.0%	0.11	0.13		
	Bicycle	0	0	0	0	0	0	0.00	0.0%	0.11	0.13		
	Fixed Object	2	0	2	1	0	5	1.00	5.2%	0.20	0.23	X	X
	Other Non-Collisions	0	0	0	0	0	0	0.00	0.0%	0.11	0.13		
	Overturn/Rollover	0	0	0	0	0	0	0.00	0.0%	0.00	0.00		
	Others	0	1	0	0	0	1	0.20	1.0%	0.20	0.23		
	Total Crashes	**24**	**19**	**15**	**18**	**21**	**97**	**19.40**	**100.0%**	**9.22**	**10.62**	**X**	**X**
SEVERITY	PDO Crashes	13	10	9	13	18	63	12.60	64.9%	6.47	7.45	X	X
	Fatal Crashes	0	0	0	0	0	0	0.00	0.0%	0.11	0.13		
	Injury Crashes	11	9	6	5	3	34	6.80	35.1%	2.83	3.26	X	X
LIGHTING CONDITIONS	Daylight	19	9	9	14	14	65	13.00	67.0%	7.78	8.96	X	X
	Dusk	0	1	0	0	1	2	0.40	2.1%	0.11	0.13	X	X
	Dawn	0	0	0	0	0	0	0.00	0.0%	0.00	0.00		
	Dark	5	9	6	4	6	30	6.00	30.9%	1.50	1.73	X	X
	Unknown	0	0	0	0	0	0	0.00	0.0%	0.00	0.00		
SURFACE CONDITIONS	Dry	20	18	11	17	19	85	17.00	87.6%	7.76	8.94	X	X
	Wet	4	1	4	1	2	12	2.40	12.4%	1.59	1.83	X	X
	Others	0	0	0	0	0	0	0.00	0.0%	0.20	0.23		

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SR 823/NW 57th Avenue at NW 199th Street

Given the geometric layout of this intersection, an expected value analysis (EVA) was performed using the following layout: 6 Lane x 2 Lane, Signalized, with Turn Lanes, 4 Leg Intersection. The EVA revealed Right Turn crashes to be abnormal at the 90th percentile and Left Turn crashes to be abnormal at the 95th percentile.

- Overall, there were 104 crashes in the five-year study period, with a yearly breakdown of 23, 24, 17, 17, and 23 crashes from 2018 to 2022.
- The percentage of nighttime crashes (night/dusk/dawn) was 35.6% (37 crashes), above the district-wide average of 27.2%.
- The percentage of crashes during wet/slippery pavement conditions was 13.5% (14 crashes), above the district-wide average of 12.5%.
- Based on crash severity, 30.8% (32 crashes) were injury-type crashes, and 68.3% (71 crashes) were property damage-only crashes. There was one fatal crash during the five-year study period.
    - The fatal crash occurred on the north leg of the intersection of SR 823/NW 57th Avenue and NW 199th Street on Monday, April 9, 2018, at 11:56 AM, when a pedestrian attempted to cross SR 823/NW 57th Avenue away from the intersection and was struck by a northbound vehicle. The pedestrian was transported to Aventura Trauma and pronounced dead at 1:32 PM. The crash occurred under dry-surface and clear weather conditions. The fatal crash disposition (2018 B3, No. 1) prepared for this crash recommended no further action.
- The leading crash types were rear end, with 36 crashes and left-turn with 35 crashes.
- Of the 36 rear end crashes, 16 crashes involved northbound vehicles, 12 crashes involved southbound vehicles, and eight (8) crashes involved eastbound vehicles. According to the police reports, 'Followed Too Closely' was the leading crash cause of rear end crashes, with 30 crashes (83.3%). The peak period for all rear end crashes was 6 PM to 9 PM, with 10 crashes.
- Of the 35 left turn crashes, 13 crashes involved northbound turning vehicles, 11 crashes involved southbound turning vehicles, and 11 crashes involved eastbound turning vehicles. According to the police reports, 'Failure to Yield the Right-Of-Way' was the leading crash cause for the majority of the left turn crashes. The peak period for the left turn crashes was from 6 PM to 9 PM with eight (8) crashes (22.9%).
- Of the four (4) right turn crashes, three (3) crashes involved drivers turning right on the westbound approach and one (1) crash involved an eastbound vehicle turning right. According to the police reports, all four (4) of the right turn crashes occurred due to the turning driver failing to Yield the Right of Way to traffic on SR 823/NW 57th Avenue. The right turn crashes occurred spread throughout the day and did not have a peak period. Given their low frequency, right turn crashes are no longer investigated.
- There was one (1) pedestrian and one (1) bicycle crash during the five-year study period.
    - The pedestrian crash is the fatal crash detailed above.
    - The bicycle crash was a hit-and-run crash that occurred on the east leg crosswalk at the intersection of SR 823/NW 57th Avenue and NW 199th Street on Monday, November 15, 2021, at 2:55 PM, when a westbound driver ran a red light and struck the bicyclist crossing in the marked crosswalk. The crash occurred under dry-surface and clear weather conditions.

Table 4-6 summarizes the crash statistics of the intersection.

Table 4.6: Crash Statistics - SR 823/NW 57th Avenue at NW 199th Street

SR 823 NW 57 Ave at NW 199 Street 6 Lane x 2 Lane, Signalized, with Turn Lanes, 4 Leg Intersection		Number of Crashes Year					5 Year Total Crashes	Mean Crashes Per Year	%	Expected Annual Crash Value Abnormally High Crashes per year		90 %ile	95 %ile
		2018	2019	2020	2021	2022				90th percentile	95th percentile		
CRASH TYPE	Rear End	8	13	4	7	4	36	7.20	34.6%	25.10	27.61		
	Head On	0	0	0	0	0	0	0.00	0.0%	0.20	0.23		
	Angle	0	1	3	0	4	8	1.60	7.7%	11.43	12.68		
	Left Turn	9	5	3	8	10	35	7.00	33.7%	5.47	6.08	X	X
	Right Turn	1	0	2	0	1	4	0.80	3.8%	0.77	0.87	X	
	Sideswipe	4	3	5	1	4	17	3.40	16.3%	6.56	7.26		
	Backed Into	0	1	0	0	0	1	0.20	1.0%	0.41	0.47		
	Pedestrian	1	0	0	0	0	1	0.20	1.0%	0.91	1.02		
	Bicycle	0	0	0	1	0	1	0.20	1.0%	0.82	0.92		
	Fixed Object	0	1	0	0	0	1	0.20	1.0%	1.35	1.51		
	Other Non-Collisions	0	0	0	0	0	0	0.00	0.0%	1.00	1.11		
	Overturn/Rollover	0	0	0	0	0	0	0.00	0.0%	0.50	0.58		
	Others	0	0	0	0	0	0	0.00	0.0%	2.35	2.60		
	Total Crashes	**23**	**24**	**17**	**17**	**23**	**104**	**20.80**	**100.0%**	**47.68**	**51.99**		
SEVERITY	PDO Crashes	17	19	10	8	17	71	14.20	68.3%	36.67	40.20		
	Fatal Crashes	1	0	0	0	0	1	0.20	1.0%	0.29	0.33		
	Injury Crashes	5	5	7	9	6	32	6.40	30.8%	12.48	13.55		
LIGHTING CONDITIONS	Daylight	17	11	13	10	16	67	13.40	64.4%	34.22	37.37		
	Dusk	1	0	0	1	0	2	0.40	1.9%	1.80	2.00		
	Dawn	0	1	0	0	1	2	0.40	1.9%	1.10	1.24		
	Dark	5	12	4	6	6	33	6.60	31.7%	12.22	13.36		
	Unknown	0	0	0	0	0	0	0.00	0.0%	0.20	0.23		
SURFACE CONDITIONS	Dry	21	21	15	14	19	90	18.00	86.5%	39.92	43.52		
	Wet	2	3	2	3	4	14	2.80	13.5%	9.27	10.28		
	Others	0	0	0	0	0	0	0.00	0.0%	2.35	2.60		

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SR 823/NW 57th Avenue at NW 202nd Street

Given the geometric layout of this intersection, an expected value analysis (EVA) was performed using the following layout: 6 Lane x 4 Lane, Signalized, with Turn Lanes, 4 Leg Intersection. The EVA revealed Left Turn and Backed Into crashes to be abnormal at the 90th percentile and fixed object crashes to be abnormal at the 95th percentile.

- Overall, there were 233 crashes in the five-year study period, with a yearly breakdown of 47, 55, 38, 46, and 47 crashes from 2018 to 2022.
- The percentage of nighttime crashes (night/dusk/dawn) was 34.8% (81 crashes), above the district-wide average of 27.2%.
- The percentage of crashes during wet/slippery pavement conditions was 15.9% (37 crashes), above the district-wide average of 12.5%.
- Based on crash severity, 25.8% (60 crashes) were injury-type crashes, and 74.2% (173 crashes) were property damage-only crashes. There were no fatal crashes during the five-year study period.
- The leading crash type was rear end, with 117 crashes.
- Of the 117 rear end crashes, 55 crashes involved southbound vehicles, 35 crashes involved northbound vehicles, 18 crashes involved westbound crashes, and nine (9) crashes involved eastbound vehicles. According to the police reports, 'Followed Too Closely' was the leading crash cause of rear end crashes with 106 crashes (90.6%). The peak period for all rear end crashes was 3 PM to 6 PM, with 30 crashes (25.6%).
- Of the 46 left turn crashes, 16 crashes involved southbound turning vehicles, 16 crashes involved eastbound turning vehicles, and 14 crashes involved northbound turning vehicles. According to the police reports, 'Failure to Yield the Right-Of-Way' was the leading crash cause for the majority of the left turn crashes. The peak period for the left turn crashes was from 9 PM to Midnight, with 12 crashes (26.1%).
- Of the three (3) backed into crashes, one (1) crash occurred in the northbound left turn lane, one (1) crash occurred in the eastbound left turn lane, and one (1) crash occurred in the eastbound through lane. According to the police reports, one (1) of the backed into crash occurred because a driver was backing to change lanes and the remaining two (2) police reports do not state the reason the crashes occurred. Two (2) of the backed into crashes occurred during the 3 PM to 6 PM period and one (1) backed into crash occurred during the 11 AM to 1 PM period.
- Of the 10 fixed object crashes, three (3) crashes involved southbound vehicles, three (3) crashes involved westbound vehicles, two (2) crashes involved northbound vehicles, and two (2) crashes involved eastbound vehicles. Four of the fixed object crashes involved vehicles striking a guardrail near the intersection, three (3) crashes involved vehicles striking trees in the median, and three (3) crashes involved drivers crashing into the median curb. According to the police reports, three (3) of the crashes occurred under nighttime conditions (30%) and three (3) crashes occurred under wet pavement conditions (30%). The fixed object crashes were spread throughout the day and did not have a peak period.
- There was one (1) bicycle crash during the five-year study period. According to the police report, the bicycle crash occurred on the east leg crosswalk at the intersection of SR 823/NW 57th Avenue and NW 202nd Street on Tuesday, August 2, 2022, at 5:30 PM, when a southbound left turning with a permissive signal failed to yield the right of way to a bicyclist crossing NW 202nd Street in the marked crosswalk. The crash occurred under dry-surface and clear weather conditions.

Table 4-7 summarizes the crash statistics of the intersection.

Table 4.7: Crash Statistics - SR 823/NW 57th Avenue at NW 202nd Street

SR 823 NW 57 Ave at NW 202 Street 6 Lane x 4 Lane, Signalized, with Turn Lanes, 4 Leg Intersection		Number of Crashes Year					5 Year Total Crashes	Mean Crashes Per Year	%	Expected Annual Crash Value Abnormally High Crashes per year		90 %ile	95 %ile
		2018	2019	2020	2021	2022				90th percentile	95th percentile		
CRASH TYPE	Rear End	25	26	17	24	25	117	23.40	50.2%	45.88	50.22		
	Head On	0	0	0	0	0	0	0.00	0.0%	0.27	0.31		
	Angle	4	2	4	4	2	16	3.20	6.9%	13.89	15.11		
	Left Turn	6	12	9	11	8	46	9.20	19.7%	8.51	9.37	X	
	Right Turn	1	0	2	0	0	3	0.60	1.3%	0.99	1.11		
	Sideswipe	7	12	2	4	9	34	6.80	14.6%	13.37	14.65		
	Backed Into	0	2	0	0	1	3	0.60	1.3%	0.54	0.61	X	
	Pedestrian	0	0	0	0	0	0	0.00	0.0%	1.75	1.96		
	Bicycle	0	0	0	0	1	1	0.20	0.4%	1.02	1.15		
	Fixed Object	4	1	2	2	1	10	2.00	4.3%	1.70	1.89	X	X
	Other Non-Collisions	0	0	2	0	0	2	0.40	0.9%	1.65	1.85		
	Overturn/Rollover	0	0	0	1	0	1	0.20	0.4%	0.59	0.67		
	Others	0	0	0	0	0	0	0.00	0.0%	6.89	7.62		
	Total Crashes	**47**	**55**	**38**	**46**	**47**	**233**	**46.60**	**100.0%**	**85.28**	**92.50**		
SEVERITY	PDO Crashes	36	41	27	34	35	173	34.60	74.2%	70.33	76.51		
	Fatal Crashes	0	0	0	0	0	0	0.00	0.0%	0.46	0.52		
	Injury Crashes	11	14	11	12	12	60	12.00	25.8%	16.88	18.29		
LIGHTING CONDITIONS	Daylight	37	41	21	31	22	152	30.40	65.2%	59.58	64.68		
	Dusk	1	3	3	1	2	10	2.00	4.3%	2.23	2.46		
	Dawn	1	0	1	0	1	3	0.60	1.3%	1.32	1.46		
	Dark	8	11	13	14	22	68	13.60	29.2%	24.16	26.33		
	Unknown	0	0	0	0	0	0	0.00	0.0%	0.48	0.55		
SURFACE CONDITIONS	Dry	40	44	29	40	43	196	39.20	84.1%	74.44	80.82		
	Wet	7	11	9	6	4	37	7.40	15.9%	11.72	12.74		
	Others	0	0	0	0	0	0	0.00	0.0%	6.89	7.62		

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5. FIELD REVIEW

Field reviews for the study segment were conducted by qualified traffic engineers from our firm on Wednesday, January 17, 2024, from 7:00 AM to 9:30 AM and 4:00 PM to 5:00 PM. The afternoon field review was cut short by a left turn crash that occurred at the intersection of SR 823/NW 57th Avenue and NW 202nd Street. The afternoon field review was supplemented by an additional field review on Thursday, January 18, 2024 from 4:00 PM to 5:00 PM. Pictures and observations are presented in **Figures 5.1 through 5.7**.

GENERAL OBSERVATIONS

- The traffic signals throughout the corridor were not equipped with retroreflective backplates.
- The mast arms throughout the corridor used older, 4-bolt foundation and will likely require replacement if any attachments are modified.
- There was low pedestrian activity along the corridor. Most pedestrian activities occurred at the crosswalks; however, some pedestrians crossed at non-designated locations. The pedestrian ramps at many unsignalized intersections, and some at signalized intersections, did not have detectable warning mats, but only patterned concrete.
- Northbound and southbound traffic throughout the segment moved largely in platoons, with gaps in northbound and southbound traffic, due to the signalized intersections throughout the corridor.

SR 823/NW 57th Avenue at NW 191st Street

- Eastbound traffic was light during the AM and PM field reviews, while westbound traffic had long left turn queues, with a maximum of seven (7) vehicles waiting to turn. Westbound left-turning drivers were observed stopping in the intersection to make a two-stage left turn.
- The sight distance for westbound drivers at the stop bar to northbound traffic was compromised by a wall at the southeast corner of the intersection and the stop bar and pedestrian crosswalk being set back from the intersection.
- Northbound and southbound traffic moved largely in platoons, with gaps in northbound and southbound traffic, due to the signalized intersections at NW 189th Street and NW 195th Street.
- Pedestrian and bicyclist activity was light during the AM and PM field reviews. During the AM field review, there were several children that were gathered west of the intersection, waiting for school transportation.

SR 823/NW 57th Avenue at NW 199th Street

- Northbound and southbound traffic was moderate during the AM and PM field reviews and moved largely in platoons, with gaps in northbound and southbound traffic, due to the signalized intersections at NW 195th Street and NW 202nd Street.
- Westbound traffic was light during the AM and PM field reviews. The westbound approach is a two-lane approach, but does not have pavement markings to indicate which vehicle movement belongs to which lane. Drivers were observed making through movements from both lanes, despite the west leg only having one (1) receiving lane.
- Eastbound traffic was light during the AM and PM field reviews for the through traffic, with moderate left-turning volumes. The eastbound queues from the intersection extended beyond the end of the left-turn storage and sometimes blocked the eastbound through lane. Additionally, it sometimes took two (2) cycles for vehicles to make the turn. Several eastbound drivers were observed making a left turn from the through only lane.

- There was low pedestrian activity at the intersection. Although there are no crosswalks, pedestrians were observed crossing the north and south legs of the intersection to travel to the northbound bus stop and the gas station and shops to the east of the intersection.

SR 823/NW 57th Avenue at NW 202nd Street

- Westbound traffic was light during the AM and PM field reviews, with the westbound left turn queue clearing during the protected only phase of each cycle. Additionally, the westbound through queue cleared the intersection during each cycle.
- Eastbound traffic was light during the AM and PM field reviews, with the left turn queue clearing during the permissive phase of each cycle. However, several drivers were observed during the PM field review attempting to make a left turn during the Yellow and All-Red Clearance intervals for both the protected and permissive phases.
- Northbound through traffic was light during the AM field review and moderate during the PM field review. While the northbound left turn movement was light, several drivers were observed making a left turn during the All-Red Clearance interval.
- Southbound traffic was light during the AM and PM field reviews. However, the southbound left turn movement heavy during the PM field review, with the queue extending to the end of the storage bay and blocking the inside through lane. Additionally, several southbound drivers were observed skipping the left turn queue by traveling to the intersection in the inside through lane and then cutting in front of the left turn queue.

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Figure 5-1: Field Observations AM

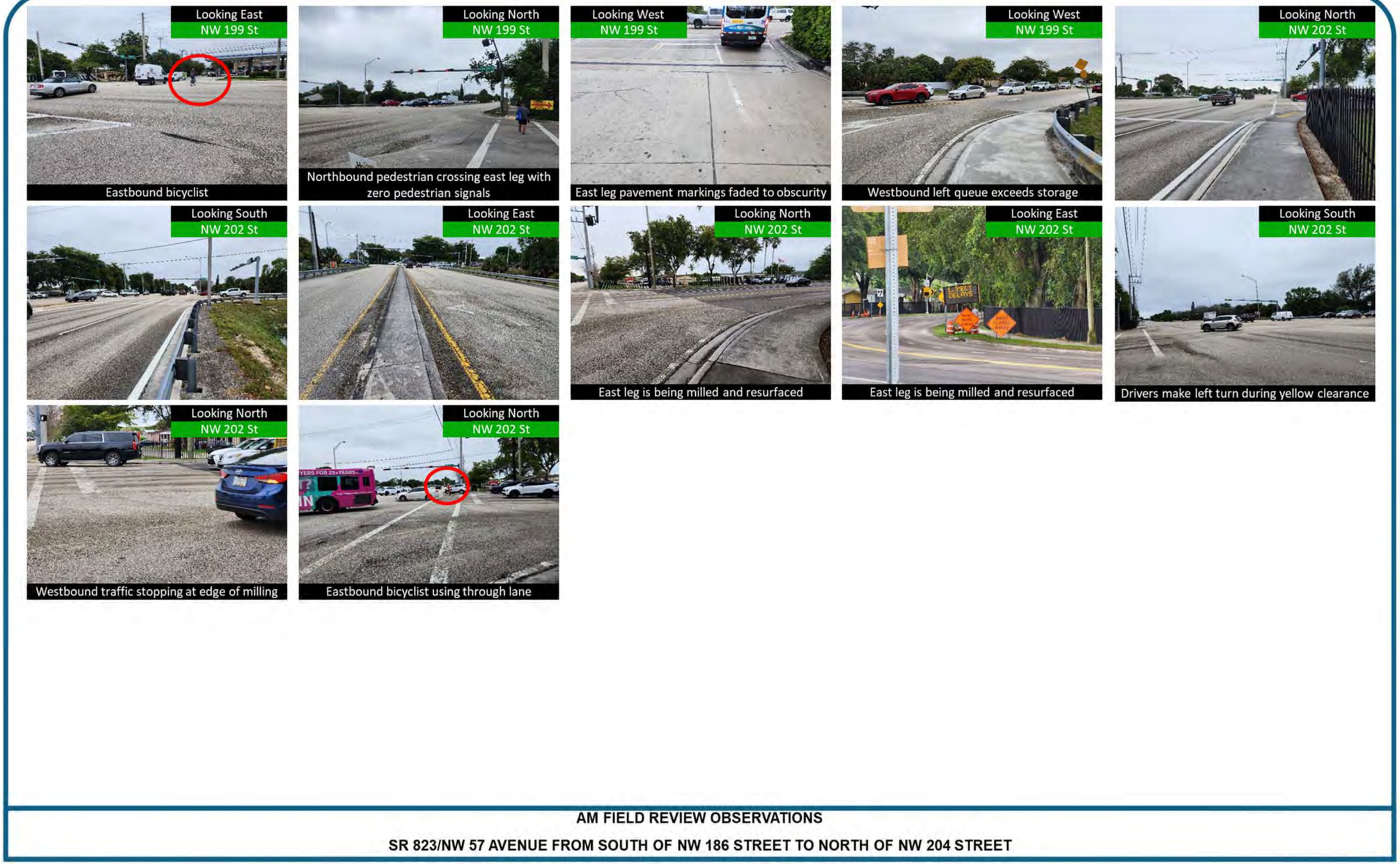

Figure 5-2: Field Observations AM

Figure 5-3: Field Observations PM

6. IMPROVEMENT DEVELOPMENT

6.1 CRASH PATTERNS AND COUNTERMEASURES

Segmentwide

Safety Issues: Pedestrian and Bicycle Crashes.

Probable Cause(s): Substandard pedestrian features

Potential Safety Improvements:

- Upgrade crosswalk pavement markings to high emphasis.
- Install pedestrian pushbuttons and pushbutton signs for all crosswalks at signalized intersections that are missing pedestrian detectors and signs. Provide Walk and Flashing Don't Walk timing for pedestrians to cross at all signalized intersections.
- Install countdown pedestrian signal heads for all crosswalks at signalized intersections that are missing signal heads.
- Install 'Turning Vehicles Stop for Pedestrians' signs (R10-15a) at all signalized intersections with crosswalks.

Safety Issues: Rear End and Angle Crashes.

Probable Cause(s): Lack of visibility to signal heads

Potential Safety Improvements:

- Install retroreflective flexible backplates for all directions at all signalized intersections.

Safety Issues: Angle and Left Turn Crashes.

Probable Cause(s): Substandard Signal Timing

Potential Safety Improvements:

- Increase All-Red and Yellow Clearance Intervals. *Coordination with Miami Dade County Traffic Signals and Signs Division will be required for the signal timing improvements.*

Safety Issues: Sideswipe Crashes.

Probable Cause(s): Intersection geometry and lack of signage

Potential Safety Improvements:

- Install lane use (R3-8) signs on the northbound and southbound approaches.
- Adjust the tapers at left turn lanes to meet the current FDOT standard.

Segmentwide Non-Safety Improvements:

- Install or refurbish pedestrian detectable warning mats at all intersection crosswalks.

SR 823/NW 57th Avenue at NW 191st Street

Non-Safety Improvement:

- Provide pedestrian features at the signal (special emphasis crosswalk markings, countdown pedestrian signal heads and pushbuttons).

SR 823/NW 57th Avenue at NW 199th Street

Safety Issues: Pedestrian and Bicycle Crashes.

Probable Cause(s): Substandard pedestrian features

Potential Safety Improvements:

- Improve pedestrian features at the intersection by:
  - Improving sidewalk connectivity by providing special emphasis crosswalks for the north, south, and west legs of the intersection and upgrading the standard crosswalk markings on the east leg to special emphasis. *Installing crosswalks at the intersection may require the installation of new lighting to meet the FDM 231.3.2 requirements and a lighting study is recommended to be conducted during the design phase. This improvement was also partially recommended in the report for CTP 2018-001-0013.*
  - Install countdown pedestrian signal heads and pushbuttons for all crosswalks. *This improvement was also recommended in the report for CTP 2018-001-0013.*
  - Install post-mounted R10-15a signs on all four approaches.

SR 823/NW 57th Avenue at NW 202nd Street

Safety Issues: Angle and Left Turn Crashes.

Probable Cause(s): High through traffic volumes and substandard sight distance

Potential Safety Improvements:

- Improve the northbound and southbound opposing left-turn lanes sight distance by offsetting the turn lanes from the adjacent through lane. This requires narrowing the existing 4 feet traffic separators to 2 feet and will require a design variation*. If approved, this improvement will impact a total of 21 palm trees (14 trees on the south leg and 7 trees on the north leg) that will have to either be removed or relocated.*

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6.2 YELLOW CHANGE INTERVAL REVIEW

The yellow change interval for all intersections was reviewed based on the TEM, Table 3.6-1, Section 3.6.2.1. The review revealed the current yellow change interval for the eastbound approach at NW 202nd Street was below the required clearance. All other approaches comply with the TEM requirements. The results of the calculation are summarized in **Table 6.1**.

6.2 ALL-RED CLEARANCE INTERVAL REVIEW

The all-red clearance interval was calculated using the equation and associated parameters presented in the Traffic Engineering Manual (TEM) Section 3.6.2.2. The TEM indicates that the National Cooperative Highway Research Program (NCHRP) Report 731 Guidelines for Timing Yellow and All-Red Intervals at Signalized Intersections recommends using a modified ITE formula that allows for a 1-second reduction due to reaction time delay from the conflicting movement. Therefore, a 1-second reduction may be made in the values computed from Formula 3.6-2 and applying engineering judgment. However, the red clearance interval shall be no less than 2.0 seconds. Given the allowed reduction, the all-red clearance interval for the westbound movement at NW 195th Street is below the required values, but all other approaches at all intersections comply with the TEM requirements. The results of the calculation are summarized in **Table 6.1**.

Table 6.1: Yellow Change and All-Red Clearance Interval Review

Intersection ID	Intersection	Approach	Movement	Approach speed (mph)	Crossing Distance (ft)	Yellow Clearance Required (sec)	Yellow Clearance Provided (sec)	Requirement Met?	All-Red Required (sec)	All-Red Provided (sec)	Requirement Met?
5737	NW 189 Street	Northbound	Left Turn	45	99	4.8	4.8	YES	2.0	2.0	YES
			Through	45	81	4.8	4.8	YES	2.0	2.0	YES
		Southbound	Left Turn	45	130	4.8	4.8	YES	2.0	2.0	YES
			Through	45	90	4.8	4.8	YES	2.0	2.0	YES
		Eastbound	Left Turn	30	82	3.7	4	YES	2.0	2.0	YES
			Through	30	100	3.7	4	YES	2.0	2.0	YES
		Westbound	Left Turn	30	98	3.7	4	YES	2.0	2.0	YES
			Through	30	104	3.7	4.8	YES	2.0	2.0	YES
6428	NW 195 Drive	Northbound	Through	45	73	4.8	4.8	YES	2.0	2.0	YES
		Southbound	Left Turn	45	97	4.8	4.8	YES	2.0	2.0	YES
			Through	45	106	4.8	4.8	YES	2.0	2.0	YES
		Westbound	Left Turn	30	123	3.7	4.8	YES	2.2	2.0	NO
5426	NW 199 Street	Northbound	Left Turn	45	121	4.8	4.8	YES	2.0	2.0	YES
			Through	45	100	4.8	4.8	YES	2.0	2.0	YES
		Southbound	Left Turn	45	123	4.8	4.8	YES	2.0	2.0	YES
			Through	45	78	4.8	4.8	YES	2.0	2.0	YES
		Eastbound	Left Turn	30	75	3.7	4	YES	2.0	2.6	YES
			Through	30	123	3.7	4	YES	2.2	2.6	YES
		Westbound	Left Turn	30	72	3.7	4	YES	2.0	2.6	YES
			Through	30	121	3.7	4	YES	2.2	2.6	YES
4889	NW 202 Street	Northbound	Left Turn	45	136	4.8	4.8	YES	2.0	2.0	YES
			Through	45	98	4.8	4.8	YES	2.0	2.0	YES
		Southbound	Left Turn	45	153	4.8	4.8	YES	2.0	2.0	YES
			Through	45	93	4.8	4.8	YES	2.0	2.0	YES
		Eastbound	Left Turn	45	86	4.8	4.4	NO	2.0	2.0	YES
			Through	45	110	4.8	4.4	NO	2.0	2.0	YES
		Westbound	Left Turn	35	115	4	4.4	YES	2.0	2.0	YES
			Through	35	113	4	4.4	YES	2.0	2.0	YES

7. IMPROVEMENT RECOMMENDATIONS

Proposed Improvements are geared toward mitigating crash patterns identified at the cluster locations. *The proposed safety and non-safety improvements are as follows*:

Segmentwide

Potential Safety Improvements:

- Upgrade crosswalk pavement markings to high emphasis.
- Install pedestrian pushbuttons and pushbutton signs for all crosswalks at signalized intersections that are missing pedestrian detectors and signs. Provide Walk and Flashing Don't Walk timing for pedestrians to cross at all signalized intersections.
- Install countdown pedestrian signal heads for all crosswalks at signalized intersections that are missing signal heads.
- Install 'Turning Vehicles Stop for Pedestrians' signs (R10-15a) at all signalized intersections with crosswalks.
- Install retroreflective flexible backplates for all directions at all signalized intersections.
- Increase All-Red and Yellow Clearance Intervals. *Coordination with Miami Dade County Traffic Signals and Signs Division will be required for the signal timing improvements.*

Segmentwide Non-Safety Improvements:

- Install or refurbish pedestrian detectable warning mats at all intersection crosswalks.

SR 823/NW 57th Avenue at NW 191st Street

Non-Safety Improvement:

- Provide pedestrian features at the signal (special emphasis crosswalk markings, countdown pedestrian signal heads and pushbuttons).

SR 823/NW 57th Avenue at NW 195th Street

Potential Safety Improvements:

- Increase the All-Red Clearance Interval for the westbound left turn from 2.0 seconds to 2.2 seconds. *Coordination with Miami Dade County Traffic Signals and Signs Division will be required for the signal timing improvements.*
- *Coordinate with the responsible PM regarding the recommendations from the Left-turn Phase Warrant Analysis Study.*

SR 823/NW 57th Avenue at NW 199th Street

Potential Safety Improvements:

- Improve pedestrian features at the intersection by:
  - Improving sidewalk connectivity by providing special emphasis crosswalks for the north, south, and west legs of the intersection and upgrading the standard crosswalk markings on the east leg to special emphasis. *Installing crosswalks at the intersection may require the installation of new lighting to meet the FDM 231.3.2 requirements and a lighting study is recommended to be conducted during the design phase. This improvement was also partially recommended in the report for CTP 2018-001-0013.*

- Install countdown pedestrian signal heads and pushbuttons for all crosswalks. *This improvement was also recommended in the report for CTP 2018-001-0013.*
- Install post-mounted R10-15a signs on all four approaches.

SR 823/NW 57th Avenue at NW 202nd Street

Potential Safety Improvements:

- Improve the northbound and southbound opposing left-turn lanes sight distance by offsetting the turn lanes from the adjacent through lane. This requires narrowing the existing 4 feet traffic separators to 2 feet and will require a design variation*. If approved, this improvement will impact a total of 21 palm trees (14 trees on the south leg and 7 trees on the north leg) that will have to either be removed or relocated.*
- Increase the Yellow Clearance Interval for the eastbound movements from 4.4 seconds to 4.8 seconds. *Coordination with Miami Dade County Traffic Signals and Signs Division will be required for the signal timing improvements.*

Figure 7-1 on the next pages shows the conceptual diagram of the recommended improvements.

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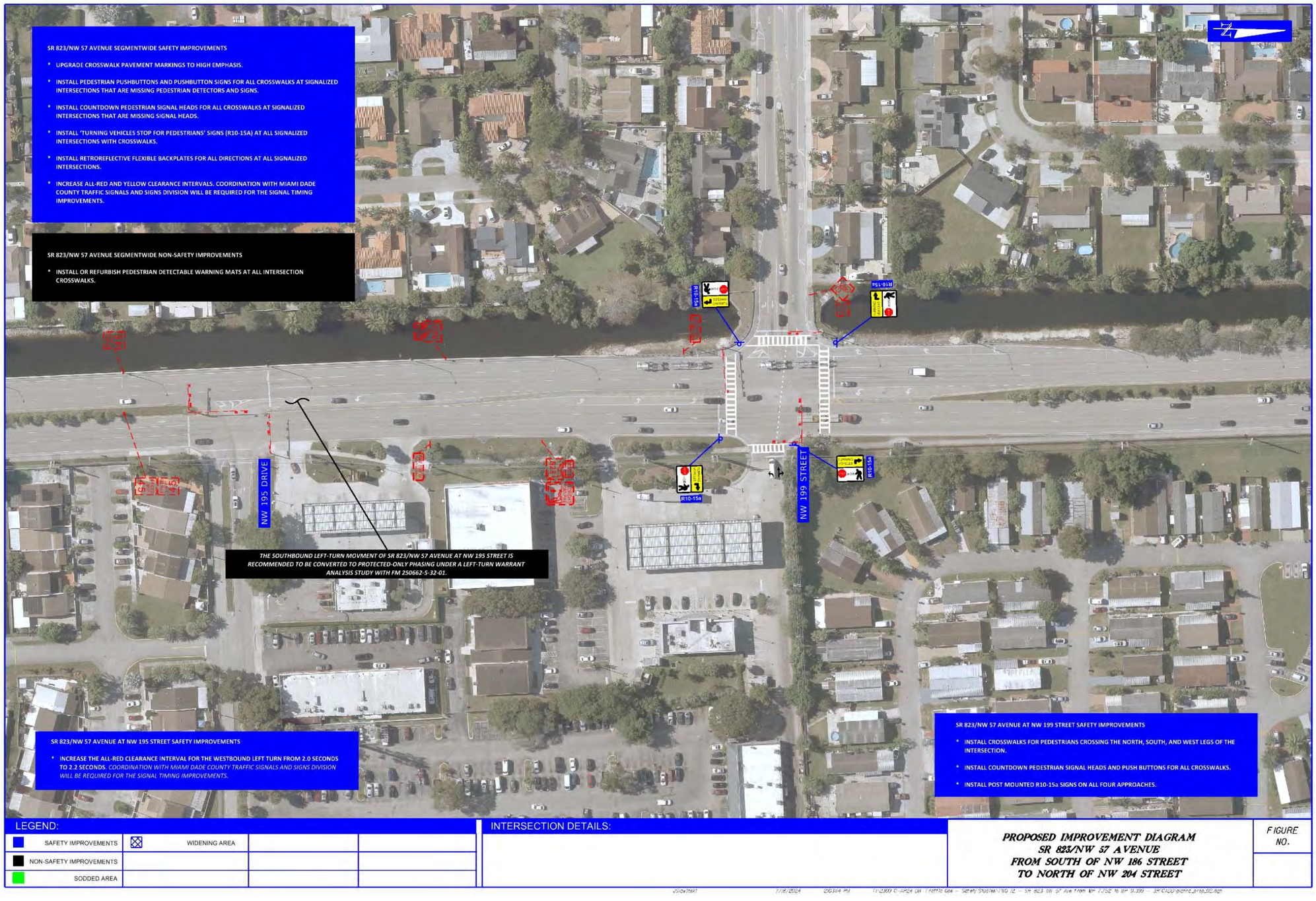
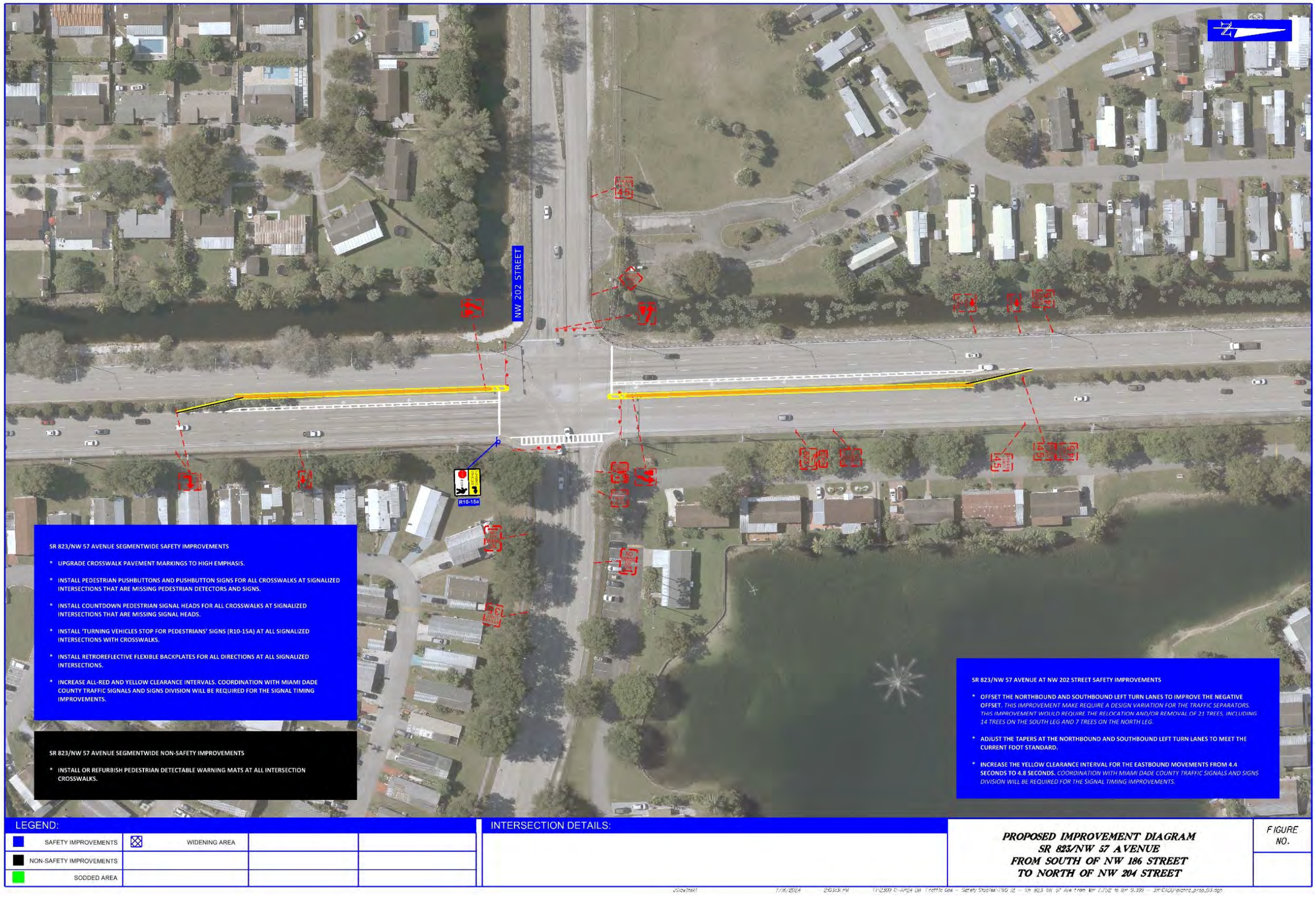
Figure 7-1: Proposed Improvement Diagram


SR 823/NW 57 AVENUE SEGMENTWIDE SAFETY IMPROVEMENTS
* UPGRADE CROSSWALK PAVEMENT MARKINGS TO HIGH EMPHASIS.
* INSTALL PEDESTRIAN PUSHBUTTONS AND PUSHBUTTON SIGNS FOR ALL CROSSWALKS AT SIGNALIZED INTERSECTIONS THAT ARE MISSING PEDESTRIAN DETECTORS AND SIGNS.
* INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEADS FOR ALL CROSSWALKS AT SIGNALIZED INTERSECTIONS THAT ARE MISSING SIGNAL HEADS.
* INSTALL 'TURNING VEHICLES STOP FOR PEDESTRIANS' SIGNS (R10-15A) AT ALL SIGNALIZED INTERSECTIONS WITH CROSSWALKS.
* INSTALL RETROREFLECTIVE FLEXIBLE BACKPLATES FOR ALL DIRECTIONS AT ALL SIGNALIZED INTERSECTIONS.
* INCREASE ALL-RED AND YELLOW CLEARANCE INTERVALS. COORDINATION WITH MIAMI DADE COUNTY TRAFFIC SIGNALS AND SIGNS DIVISION WILL BE REQUIRED FOR THE SIGNAL TIMING IMPROVEMENTS.
SR 823/NW 57 AVENUE SEGMENTWIDE NON-SAFETY IMPROVEMENTS
* INSTALL OR REFURBISH PEDESTRIAN DETECTABLE WARNING MATS AT ALL INTERSECTION CROSSWALKS.
NW 195 DRIVE
NW 199 STREET
R10-15a
THE SOUTHBOUND LEFT-TURN MOVMENT OF SR 823/NW 57 AVENUE AT NW 195 STREET IS RECOMMENDED TO BE CONVERTED TO PROTECTED-ONLY PHASING UNDER A LEFT-TURN WARRANT ANALYSIS STUDY WITH FM 250662-5-32-01.
SR 823/NW 57 AVENUE AT NW 195 STREET SAFETY IMPROVEMENTS
* INCREASE THE ALL-RED CLEARANCE INTERVAL FOR THE WESTBOUND LEFT TURN FROM 2.0 SECONDS TO 2.2 SECONDS. COORDINATION WITH MIAMI DADE COUNTY TRAFFIC SIGNALS AND SIGNS DIVISION WILL BE REQUIRED FOR THE SIGNAL TIMING IMPROVEMENTS.
SR 823/NW 57 AVENUE AT NW 199 STREET SAFETY IMPROVEMENTS
* INSTALL CROSSWALKS FOR PEDESTRIANS CROSSING THE NORTH, SOUTH, AND WEST LEGS OF THE INTERSECTION.
* INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS FOR ALL CROSSWALKS.
* INSTALL POST MOUNTED R10-15a SIGNS ON ALL FOUR APPROACHES.
LEGEND:
SAFETY IMPROVEMENTS
WIDENING AREA
NON-SAFETY IMPROVEMENTS
SODDED AREA
INTERSECTION DETAILS:
PROPOSED IMPROVEMENT DIAGRAM
SR 823/NW 57 AVENUE
FROM SOUTH OF NW 186 STREET
TO NORTH OF NW 204 STREET
FIGURE NO.


NW 202 STREET
R10-15a
SR 823/NW 57 AVENUE SEGMENTWIDE SAFETY IMPROVEMENTS
* UPGRADE CROSSWALK PAVEMENT MARKINGS TO HIGH EMPHASIS.
* INSTALL PEDESTRIAN PUSHBUTTONS AND PUSHBUTTON SIGNS FOR ALL CROSSWALKS AT SIGNALIZED INTERSECTIONS THAT ARE MISSING PEDESTRIAN DETECTORS AND SIGNS.
* INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEADS FOR ALL CROSSWALKS AT SIGNALIZED INTERSECTIONS THAT ARE MISSING SIGNAL HEADS.
* INSTALL 'TURNING VEHICLES STOP FOR PEDESTRIANS' SIGNS (R10-15A) AT ALL SIGNALIZED INTERSECTIONS WITH CROSSWALKS.
* INSTALL RETROREFLECTIVE FLEXIBLE BACKPLATES FOR ALL DIRECTIONS AT ALL SIGNALIZED INTERSECTIONS.
* INCREASE ALL-RED AND YELLOW CLEARANCE INTERVALS. COORDINATION WITH MIAMI DADE COUNTY TRAFFIC SIGNALS AND SIGNS DIVISION WILL BE REQUIRED FOR THE SIGNAL TIMING IMPROVEMENTS.
SR 823/NW 57 AVENUE SEGMENTWIDE NON-SAFETY IMPROVEMENTS
* INSTALL OR REFURBISH PEDESTRIAN DETECTABLE WARNING MATS AT ALL INTERSECTION CROSSWALKS.
SR 823/NW 57 AVENUE AT NW 202 STREET SAFETY IMPROVEMENTS
* OFFSET THE NORTHBOUND AND SOUTHBOUND LEFT TURN LANES TO IMPROVE THE NEGATIVE OFFSET. THIS IMPROVEMENT MAKE REQUIRE A DESIGN VARIATION FOR THE TRAFFIC SEPARATORS. THIS IMPROVEMENT WOULD REQUIRE THE RELOCATION AND/OR REMOVAL OF 21 TREES, INCLUDING 14 TREES ON THE SOUTH LEG AND 7 TREES ON THE NORTH LEG.
* ADJUST THE TAPERS AT THE NORTHBOUND AND SOUTHBOUND LEFT TURN LANES TO MEET THE CURRENT FDOT STANDARD.
* INCREASE THE YELLOW CLEARANCE INTERVAL FOR THE EASTBOUND MOVEMENTS FROM 4.4 SECONDS TO 4.8 SECONDS. COORDINATION WITH MIAMI DADE COUNTY TRAFFIC SIGNALS AND SIGNS DIVISION WILL BE REQUIRED FOR THE SIGNAL TIMING IMPROVEMENTS.
LEGEND:
SAFETY IMPROVEMENTS
WIDENING AREA
NON-SAFETY IMPROVEMENTS
SODDED AREA
INTERSECTION DETAILS:
PROPOSED IMPROVEMENT DIAGRAM
SR 823/NW 57 AVENUE
FROM SOUTH OF NW 186 STREET
TO NORTH OF NW 204 STREET
FIGURE NO.

8. PRELIMINARY COST ESTIMATES

A preliminary construction cost estimate was prepared for all the improvements associated with those listed in Section 7 of the report, except for the high-emphasis pavement markings and pedestrian signs, pushbuttons, and plaques, which costs are assumed by the RRR project. It is anticipated that right of way acquisition may be required for converting NW 191st Street into a signalized intersection. The costs were prepared using FDOT's standard pay items and historical unit costs from previous construction projects recently completed in Miami-Dade County (FDOT Market Area 13). For pay items that did not appear in the historical unit costs for Market Area 13, FDOT's standard pay items and historical unit costs from previous construction projects statewide for Florida were used instead. The cost estimates include pay items for signing and pavement markings, maintenance of traffic, preliminary engineering, mobilization, and a contingency amount to account for any unforeseen cost elements. The costs for any right-of-way acquisition are not included in the cost estimate. **Table 8-1** summarizes the estimated cost associated with the above improvements.

Table 8.1: Preliminary Cost Estimates

SAFETY IMPROVEMENTS	COSTS
Roadway	$ 104,053.49
Signalization	$ 362,374.76
S&M	$ 24,053.55
SUBTOTAL	**$ 490,481.80**
20% Maintenance of Traffic	$ 98,096.36
10% Mobilization	$ 49,048.18
32% Preliminary Engineering	$ 156,954.18
18% Construction Engineering & Inspection	$ 88,286.72
Project Contigency	$ 50,000.00
GRAND TOTAL	**$ 932,867.24**

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APPENDIX A – STRAIGHT LINE DIAGRAM

	5 YR INV	SLD REV
DATE	06/22/2022	07/25/2022
BY	AECOM	AECOM

BMP	EMP	INV	SLD REV

FLORIDA DEPARTMENT OF TRANSPORTATION

STRAIGHT LINE DIAGRAM OF ROAD INVENTORY

SECTION STATUS	INT. or US ROUTE NO.	STATE ROAD NO.	COUNTY	DISTRICT	ROADWAY ID	SHEET NO:
02		SR 823	MIAMI-DADE	06	87002000	1 OF 2

0.0 1.0 2.0

INSIDE CITY, AND URBAN
* HIALEAH
* MIAMI
* W 4 AVE/RED RD
* SR 823

SR 25/OKEECHOBEE RD
SR 25/US-27

H I A L E A H

ROADWAY FEATURES

PEDESTRIAN CROSSWALK

GPS COORDINATES
25°49' 46" N
80° 17' 22" W

LANE WIDTHS ARE AVERAGED

0.000 71.0' - 33.0'L + 22.0'R
3 - 11.0'L + 2 - 11.0'R RDWY
12.0 PVD MED
2 - 2.0' C&G SHLD

0.505 71.0' - 33.0'L + 22.0'R
3 - 11.0'L + 2 - 11.0'R RDWY
12.0 PVD MED
2.0' PVD SHLD - LT
2.0' C&G SHLD - RT

0.566 82.0' - 66.0'
6 - 11.0' RDWY
12.0 PVD MED
2.0' PVD SHLD - LT
2.0' C&G SHLD - RT

0.628 114.0' - 66.0'
6 - 11.0' RDWY
44.0 CB&VEG MED
2 - 2.0' C&G INSHLD
2.0' PVD SHLD - LT
2.0' C&G SHLD - RT

0.652 114.0' - 66.0'
6 - 11.0' RDWY
44.0 CB&VEG MED
2 - 2.0' C&G INSHLD
2 - 2.0' C&G SHLD

0.828 81.0' - 66.0'
6 - 11.0' RDWY
11.0 PVD MED
2.0' PVD SHLD - LT
2.0' C&G SHLD - RT

1.888 81.0' - 66.0'
6 - 11.0' RDWY
11.0 CB&VEG MED
2 - 2.0' C&G INSHLD
2.0' PVD SHLD - LT
2.0' C&G SHLD - RT

2.476 81.0' - 66.0'
6 - 11.0' RDWY
21.0 PVD MED
2.0' PVD SHLD - LT
2.0' C&G SHLD - RT

ROADWAY COMPOSITION

0.000 28/FC-5
28/FC-5
0.889 28/FC-12.5
28/FC-12.5
2.353 28/FC-2
28/FC-2

HORIZONTAL ALIGNMENT

B=N01°44'00"W B=N01°44'07"W B=N01°44'12"W B=N01°44'22"W B=N01°44'29"W

STRUCTURE DESCRIPTION

0.050 1 - 16" X 80' CC
0.105 1 - 16" X 78' CC
0.125 1 - 16" X 78' CC
0.138 1 - 16" X 78' CC
0.195 1 - 16" X 78' CC
0.225 1 - 16" X 78' CC
0.250 1 - 16" X 78' CC
0.295 1 - 16" X 78' CC
0.350 1 - 16" X 78' CC
0.417 1 - 16" X 78' CC
0.475 1 - 16" X 78' CC
0.500 1 - 16" X 78' CC
0.528 1 - 16" X 78' CC
0.615 1 - 16" X 78' CC
0.630 1 - 16" X 78' CC
0.635 1 - 16" X 78' CC
0.661 1 - 16" X 78' CC
0.770 1 - 16" X 78' CC
0.865 1 - 16" X 78' CC
0.895 1 - 16" X 78' CC
0.945 1 - 16" X 78' CC
0.955 1 - 16" X 78' CC
1.105 1 - 16" X 78' CC
1.170 1 - 16" X 78' CC
1.255 1 - 16" X 78' CC
1.270 1 - 16" X 78' CC
1.390 1 - 16" X 78' CC
1.405 1 - 16" X 78' CC
1.520 1 - 16" X 78' CC
1.535 1 - 16" X 78' CC
1.645 1 - 16" X 78' CC
1.660 1 - 16" X 78' CC
1.740 1 - 16" X 78' CC
1.755 1 - 16" X 78' CC
1.835 1 - 16" X 78' CC
1.850 1 - 16" X 78' CC
1.930 1 - 16" X 78' CC
1.985 1 - 16" X 78' CC
2.005 1 - 16" X 78' CC
2.045 1 - 16" X 78' CC
2.155 1 - 16" X 78' CC
2.170 1 - 16" X 78' CC
2.285 1 - 16" X 78' CC
2.300 1 - 16" X 78' CC
2.410 1 - 16" X 78' CC
2.430 1 - 16" X 78' CC
2.475 1 - 16" X 78' CC

TRAFFIC DATA

0.000 AADT= 30,000 D= 54,30 K= 9.00 T= 6.80 — All Traffic Data as of 12-31-21
1.263 AADT= 36,500 D= 54,30 K= 9.00 T= 5.30

SIS

FUN CLASS 0.000 URBAN PRIN ART OTHER

NHS 0.000 NHS/MAP-21 PRINCIPAL ARTERIALS

● = SIGNALIZED INTERSECTION

3.0 4.0 5.0 6.0

INSIDE CITY, AND URBAN
* HIALEAH
* MIAMI
* W 4 AVE/RED RD
* SR 823

H I A L E A H

M I A M I - D A D E C O U N T Y

INSIDE URBAN, OUTSIDE CITY
* MIAMI
* NW 57 AVE/RED RD
* SR 823

ROADWAY FEATURES

ASSOCIATED STATION EXCEPTION
SEE ROADWAY ID: 87000238
MP 1.009 TO MP 1.025

2-QUADRANT CLOVERLEAF

LANE WIDTHS ARE AVERAGED

2.500 91.0' - 66.0'
6 - 11.0' RDWY
11.0 PVD MED
2.0' PVD SHLD - LT
2.0' C&G SHLD - RT

2.677 82.0' - 66.0'
6 - 11.0' RDWY
12.0 PVD MED
2.0' PVD SHLD - LT
2.0' C&G SHLD - RT

2.962 82.0' - 66.0'
6 - 11.0' RDWY
12.0 PVD MED
2 - 2.0' C&G SHLD

3.196 91.0' - 66.0'
6 - 11.0' RDWY
11.0 TFSP MED
2.0' PVD SHLD - LT
2.0' C&G SHLD - RT

3.324 93.0' - 66.0'
6 - 11.0' RDWY
23.0 CB&VEG MED
2 - 2.0' C&G INSHLD
2.0' PVD SHLD - LT
2.0' C&G SHLD - RT

3.470 91.0' - 66.0'
6 - 11.0' RDWY
21.0 PVD MED
2.0' PVD SHLD - LT
2.0' C&G SHLD - RT

3.597 91.0' - 66.0'
6 - 11.0' RDWY
21.0 CB&VEG MED
2 - 2.0' C&G INSHLD
2.0' PVD SHLD - RT
2.0' C&G SHLD1 - RT

3.711 92.0' - 66.0'
6 - 11.0' RDWY
22.0 PVD MED
2.0' PVD SHLD - LT
2.0' C&G SHLD - RT

3.763 92.0' - 66.0'
6 - 11.0' RDWY
22.0 PVD MED
2 - 2.0' C&G SHLD

3.997 81.0' - 66.0'
6 - 11.0' RDWY
11.0 CB&VEG MED
2 - 2.0' C&G INSHLD
2 - 2.0' C&G SHLD

4.124 91.0' - 66.0'
6 - 11.0' RDWY
11.0 CB&VEG MED
2 - 2.0' C&G INSHLD
10.0' WARN SHLD - LT
2.0' C&G SHLD - RT
2.0' C&G SHLD2 - LT

4.254 81.0' - 66.0'
6 - 11.0' RDWY
11.0 CB&VEG MED
2 - 2.0' C&G INSHLD
2 - 2.0' C&G SHLD

4.473 90.0' - 66.0'
6 - 11.0' RDWY
20.0 CB&VEG MED
2 - 2.0' C&G INSHLD
2 - 2.0' C&G SHLD

4.649 101.0' - 44.0'L + 33.0'R
4 - 11.0'L + 3 - 11.0'R RDWY
20.0 CB&VEG MED
2 - 2.0' C&G SHLD

4.682 113.0' - 44.0'L + 33.0'R
4 - 11.0'L + 3 - 11.0'R RDWY
32.0 TFSP MED
2 - 2.0' C&G SHLD

4.842 100.0' - 44.0'L + 33.0'R
4 - 11.0'L + 3 - 11.0'R RDWY
19.0 CB&VEG MED
2 - 2.0' C&G INSHLD
2 - 2.0' C&G SHLD

4.864 89.0' - 66.0'
6 - 11.0' RDWY
19.0 CB&VEG MED
2 - 2.0' C&G INSHLD
2 - 2.0' C&G SHLD

4.965 86.0' - 66.0'
6 - 11.0' RDWY
16.0 TFSP MED
2 - 2.0' C&G SHLD

5.075 87.0' - 66.0'
6 - 11.0' RDWY
17.0 CB&VEG MED
2 - 2.0' C&G INSHLD
2 - 2.0' C&G SHLD

5.632 87.0' - 66.0'
6 - 11.0' RDWY
17.0 CB&VEG MED
2 - 2.0' C&G INSHLD
2.0' PVD SHLD - LT
2.0' C&G SHLD - RT

ROADWAY COMPOSITION

2.500 28/FC-2
28/FC-2
2.832 28/FC-9.5
28/FC-9.5
3.545 28/FC-2
28/FC-2
5.020 28/FC-9.5
28/FC-9.5

HORIZONTAL ALIGNMENT

B=N01°44'26"W B=N02°53'10"W B=N02°22'12"W B=N02°41'32"W B=N02°40'57"W B=N02°41'16"W B=N02°49'01"W

STRUCTURE DESCRIPTION

2.605 1 - 16" X 78' CC
2.665 1 - 16" X 78' CC
2.680 1 - 16" X 78' CC
2.745 1 - 16" X 78' CC
2.797 1 - 16" X 78' CC
#0608 95' BR
2.815 1 - 16" X 78' CC
2.885 1 - 16" X 78' CC
2.900 1 - 16" X 78' CC
2.955 1 - 16" X 78' CC
3.040 1 - 16" X 78' CC
3.080 1 - 16" X 78' CC
3.115 1 - 16" X 78' CC
3.210 1 - 16" X 78' CC
3.305 1 - 16" X 78' CC
3.320 1 - 16" X 78' CC
3.405 1 - 16" X 78' CC
3.420 1 - 16" X 78' CC
3.505 1 - 16" X 78' CC
4.525 1 - 20" X 34' CC
4.535 1 - 20" X 34' CC
4.560 1 - 72" X 48" X 160'
#0721 126.7' UP
4.602 1 - 72" X 48" X 160'
4.771 1 - 60" X 160' CC
4.821 1 - 48" X 160' CMP
5.763 #0609 89.8' BR
5.780 1 - 16" X 78' CC

TRAFFIC DATA

2.540 AADT= 36,000 D= 54,30 K= 9.00 T= 8.70 — All Traffic Data as of 12-31-21
3.545 AADT= 35,500 D= 54,30 K= 9.00 T= 7.00
4.420 AADT= 43,000 D= 54,30 K= 9.00 T= 7.00
4.738 AADT= 49,000 D= 54,30 K= 9.00 T= 5.60

SIS

FUN CLASS 2.500 URBAN PRIN ART OTHER

NHS 2.500 NHS/MAP-21 PRINCIPAL ARTERIALS

5 YR INV	SLD REV	BMP	EMP	INV	SLD REV
06/22/2022	07/25/2022				
AECOM	AECOM				

FLORIDA DEPARTMENT OF TRANSPORTATION

STRAIGHT LINE DIAGRAM OF ROAD INVENTORY

SECTION STATUS	INT. or US ROUTE NO.	STATE ROAD NO.	COUNTY	DISTRICT	ROADWAY ID	SHEET NO:
02		SR 823	MIAMI-DADE	06	87002000	2 OF 2

6.0 7.0 8.0

MIAMI-DADE COUNTY

6.000 INSIDE URBAN, OUTSIDE CITY
* MIAMI
*<=NW 57 AVE/RED RD
*<SR 823

NW 158 ST 6.016 | NW 159 ST 6.073 | CHICK-FIL-A 6.200 | NW 163 ST 6.305 | NW 165 TER 6.454 | NW 167 ST EB 6.554 / PALMETTO EXPY / NW 167 ST WB 6.598 | NW 171 ST 6.826 | NW 173 DR 6.952 | 1190 7.038 | NW 176 ST 7.122 | WALMART ENT 7.236 | MALL ENT 7.443 | SR 860/NW 183 ST 7.545 | PUBLIC STORAGE 7.624 | 2514 7.651 | NW 186 ST 7.769 | NW 189 ST 7.911

ROADWAY FEATURES

NW 161 ST 6.189 | NW 170 TER 6.785 | FRONTAGE RD (ENT) 6.795 | FRONTAGE RD (END) 6.936 | NW 174 DR 7.002 | NW 175 ST 7.075 | FRONTAGE RD (ENT) 7.122 | FRONTAGE RD (END) 7.136 | NW 178 ST 7.232 | FRONTAGE RD (ENT) 7.236 | FRONTAGE RD (END) 7.313 | NW 179 TER 7.330 | FRONTAGE RD (ENT) 7.345 | FRONTAGE RD (END) 7.494 | TARGET ENT 7.661

6.448 90.0' - 66.0' 6 - 11.0' RDWY 20.0 CB&VEG MED 2 - 2.0' C&G INSHLD 2 - 2.0' C&G SHLD
DIAMOND 826

LANE WIDTHS ARE AVERAGED

6.000 87.0' - 66.0' 6 - 11.0' RDWY 17.0 CB&VEG MED 2 - 2.0' C&G INSHLD 2.0' PVD SHLD I - LT 2.0' C&G SHLD I - RT
6.234 87.0' - 66.0' 6 - 11.0' RDWY 15.0 TFSP MED 4.0' PVD SHLD I - LT 2.0' C&G SHLD I - RT
6.371 92.0' - 66.0' 6 - 11.0' RDWY 20.0 CB&VEG MED 2 - 2.0' C&G INSHLD 4.0' PVD SHLD I - LT 2.0' C&G SHLD I - RT
6.726 87.0' - 66.0' 6 - 11.0' RDWY 17.0 CB&VEG MED 2 - 2.0' C&G INSHLD 2 - 2.0' C&G SHLD
6.900 87.0' - 66.0' 6 - 11.0' RDWY 17.0 TFSP MED 2 - 2.0' C&G SHLD
7.461 97.0' - 66.0' 6 - 11.0' RDWY 27.0 TFSP MED 2 - 2.0' C&G SHLD
7.365 97.0' - 66.0' 6 - 11.0' RDWY 27.0 CB&VEG MED 2 - 2.0' C&G INSHLD 2 - 2.0' C&G SHLD
7.622 93.0' - 66.0' 6 - 11.0' RDWY 17.0 CB&VEG MED 2 - 2.0' C&G INSHLD 8.0' PVD SHLD I - LT 2.0' C&G SHLD I - RT
7.769 89.0' - 66.0' 6 - 11.0' RDWY 17.0 CB&VEG MED 2 - 2.0' C&G INSHLD 4.0' PVD SHLD I - LT 2.0' C&G SHLD I - RT

ROADWAY COMPOSITION

6.000 28/FC-9.5 / 28/FC-9.5
7.555 28/FC-2 / 28/FC-2

HORIZONTAL ALIGNMENT

B=N02°22'34"W | B=N02°22'50"W | B=N02°40'05"W

STRUCTURE DESCRIPTION

6.565 #0253 110.9' UP 6.586

TRAFFIC DATA

AADT= 49,000 D= 54.30 K= 9.00 T= 5.60 — All Traffic Data as of 12-31-21
6.560 AADT= 55,000 D= 54.30 K= 9.00 T= 4.10
7.555 AADT= 49,000 D= 54.30 K= 9.00 T= 7.00

SIS

FUN CLASS 6.000 URBAN PRIN ART OTHER

NHS 6.000 NHS/MAP-21 PRINCIPAL ARTERIALS

● = SIGNALIZED INTERSECTION

8.0 9.0

MIAMI-DADE COUNTY

8.000 INSIDE URBAN, OUTSIDE CITY
* MIAMI
*<=NW 57 AVE/RED RD
*<SR 823

NW 191 ST 8.055 | NW 195 DR 8.404 | NW 199 ST 8.525 | GAS STATION 8.525 | NW 202 ST 8.769 | DAN MARINO BL/HONEY 8.769 | NW 204 ST 8.997 | SNAKE CREEK CANAL | SW 45 ST 9.435 | 9.537 | RAMP 8647107Z 9.565 | RAMP 8647107A 9.577 | 9.606 | 2515 9.661

ROADWAY FEATURES

GPS COORDINATES 25°58' 14" N 80° 17' 41" W

COUNTY LINE/BR860550

END MP: 009.699 NET ROADWAY ID LENGTH: 9.699

LANE WIDTHS ARE AVERAGED

8.480 87.0' - 66.0' 6 - 11.0' RDWY 17.0 TFSP MED 2 - 2.0' C&G SHLD

8.000 89.0' - 66.0' 6 - 11.0' RDWY 17.0 CB&VEG MED 2 - 2.0' C&G INSHLD 4.0' PVD SHLD I - LT 2.0' C&G SHLD I - RT
8.404 89.0' - 66.0' 6 - 11.0' RDWY 17.0 TFSP MED 4.0' PVD SHLD I - LT 2.0' C&G SHLD I - RT
8.553 90.0' - 66.0' 6 - 11.0' RDWY 20.0 CB&VEG MED 2 - 2.0' C&G INSHLD 2 - 2.0' C&G SHLD
8.716 90.0' - 66.0' 6 - 11.0' RDWY 20.0 TFSP MED 2 - 2.0' C&G SHLD
8.840 90.0' - 66.0' 6 - 11.0' RDWY 20.0 CB&VEG MED 2 - 2.0' C&G INSHLD 2 - 2.0' C&G SHLD

ROADWAY COMPOSITION

8.000 28/FC-2 / 28/FC-2
9.260 08/FC-0 / 08/FC-0 9.285 28/FC-2 / 28/FC-2

HORIZONTAL ALIGNMENT

B=N01°53'29"W | B=N01°53'23"W | B=N01°55'09"W

STRUCTURE DESCRIPTION

9.260 #0950 132' BR 9.285

9.655 1 - 14" X 200' CC

TRAFFIC DATA

AADT= 49,000 D= 54.30 K= 9.00 T= 7.00 — All Traffic Data as of 12-31-21
8.525 AADT= 43,000 D= 54.30 K= 9.00 T= 6.70

SIS

FUN CLASS 8.000 URBAN PRIN ART OTHER

NHS 8.000 NHS/MAP-21 PRINCIPAL ARTERIALS 9.699

Version: 1.4.2.27 07/25/2022

RED ROAD/NW 57 AVENUE (Miami-Dade County)

APPENDIX B – SIGNAL TIMING REPORTS

TOD Schedule Report

for 5737: Red Rd&NW 189 St

Print Date: 10/4/2021

Print Time: 8:40 PM

Asset	Intersection	TOD Schedule	Op Mode	Plan #	Cycle	Offset	TOD Setting	Active PhaseBank	Active Maximum
5737	Red Rd&NW 189 St	DOW-2	TOD	[03] AM PEAK	80	20	N/A	1	Max 2

Splits

PH 1	PH 2	PH 3	PH 4	PH 5	PH 6	PH 7	PH 8
NBL	SBT	-	WBT	SBL	NBT	-	EBT
12	34	0	14	12	34	0	14

Active Phase Bank: Phase Bank 1

Phase	Walk (Phase Bank 1 2 3)	Don't Walk (1 2 3)	Min Initial (1 2 3)	Veh Ext (1 2 3)	Max Limit (1 2 3)	Max 2 (1 2 3)	Yellow	Red
1 NBL	0 - 0 - 0	0 - 0 - 0	7 - 5 - 5	2 - 2 - 2	7 - 6 - 6	25 - 20 - 20	4.8	2
2 SBT	0 - 0 - 0	0 - 0 - 0	18 - 18 - 18	1 - 1 - 1	45 - 45 - 45	0 - 45 - 45	4.8	2
3 -	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
4 WBT	0 - 0 - 0	0 - 0 - 0	7 - 7 - 7	3 - 2.5 - 2.5	15 - 15 - 15	45 - 35 - 35	4	2
5 SBL	0 - 0 - 0	0 - 0 - 0	7 - 5 - 5	2 - 2 - 2	7 - 6 - 6	25 - 20 - 20	4.8	2
6 NBT	0 - 0 - 0	0 - 0 - 0	18 - 18 - 18	1 - 1 - 1	45 - 45 - 45	0 - 45 - 45	4.8	2
7 -	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
8 EBT	0 - 0 - 0	0 - 0 - 0	7 - 7 - 7	3 - 2.5 - 2.5	15 - 15 - 15	45 - 35 - 35	4	2

Last In Service Date: unknown

Permitted Phases

	12345678
Default	12-456-8
External Permit 0	-2-4-6-8
External Permit 1	-2-4-6-8
External Permit 2	-2-4-6-8

APPENDIX C – WORK PROGRAM EXTRACTS

CTP 2022-02-0015 EXTRACT

Florida Department of Transportation
District 6

DISTRICTWIDE TRAFFIC OPERATIONS/SAFETY STUDIES

FM No.: 24972673201
Contract No.: CA426
Task Work Order No. 31

FINAL

SIGNAL WARRANT ANALYSIS

SR 823/NW 57th Avenue/Red Road at NW 191st Street

August 2022

SR 823/NW 57th Avenue/Red Road at NW 191 Street

Financial Project No.: 249796-7-32-01
Task Work Order No.: 31

SIGNAL WARRANT ANALYSIS

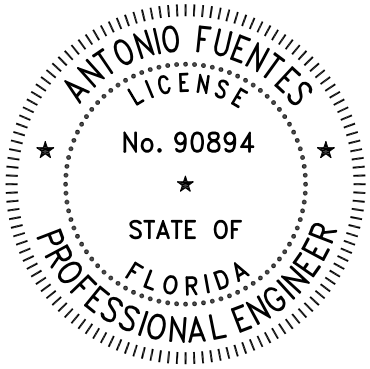
FINAL

Prepared for:

Florida Department of Transportation

District 6

August 2022



Executive Summary

This report documents the findings of a Signal Warrant Analysis conducted at SR 823/NW 57th Avenue/Red Road at NW 191st Street, located in Miami-Dade County, Florida. The signal warrant analysis was initiated following a request (CTP 2022-02-0015) received by the Florida Department of Transportation (FDOT) to evaluate the need to install a traffic signal at the study intersection. The purpose of the Signal Warrant Analysis was to investigate and document existing traffic operations and safety conditions at the study location and make recommendations regarding the need for a traffic signal control at the intersection. The signal warrant analysis resulted in the following findings:

- The study location is a four-legged intersection. NW 57th Avenue is a six-lane divided roadway. NW 191st Street is a two-lane local road. Exclusive left turn lanes are provided on the northbound and southbound approaches.
- The intersection operates under two-way stop sign control. NW 57th Avenue is the major street and NW 191st Street is the minor street.
- Field reviews revealed heavy traffic was observed along NW 57th Avenue during both AM and PM peak periods. Moderate traffic was noted along westbound NW 191st Street. The number of westbound right-turns and left-turns were noted to be comparable, while the number of eastbound right-turns were noted to be slightly higher than eastbound left-turns. Due to heavy northbound and southbound traffic, two-stage crossings were frequently observed for the NW 191st Street eastbound and westbound approaches. Furthermore, it was noted that the visibility of westbound vehicles was impacted by the existing community wall located in the southeast quadrant of the intersection raising concern of safety impacts.
- Crash data from the FDOT's CARS indicate that a total of 59 crashes, occurred during the three-year period 2017–2019. Angle and rear-end collisions were the leading type of crashes reported. Of the 59 crashes, 29 crashes (49%) were angle collisions, 14 crashes (24%) were rear-end collisions and six (10%) were left-turn collisions. Of the crashes correctable by signal (angle and left-turn collisions), 11 crashes (19%) were recorded in 2017, 13 crashes (22%) were recorded in 2018 and 11 crashes (19%) were

recorded in 2019. There were 28 crashes involving injuries and no fatalities were recorded. The overall intersection was also noted to experience abnormally high crash conditions for rear-end, angle, left-turn and fixed object crashes when compared against similar intersections in Miami-Dade County.

- Delay studies indicate that during the AM peak period, intersection delays for the eastbound left-turn movement and westbound left-turn movement were 34.5 secs/veh (LOS D) and 46.9 secs/veh (LOS E), respectively. During the PM peak period, intersection delays for the eastbound left-turn movement and westbound left-turn movement were 50.0 secs/veh (LOS F) and 39.4 secs/veh (LOS E), respectively. Based on the FDOT's target LOS D for an urban environment, all delays were found to operate below the target except for the AM peak period eastbound left-turn movement.
- Results from the signal warrant analysis indicate that three of the nine MUTCD Signal Warrants are satisfied. Warrant 1 (Eight-Hour Vehicular Volume – Condition B), Warrant 2 (Four-Hour Vehicular Volume) and Warrant 7 (Crash Experience) are satisfied at the study intersection. The remaining Warrants, No. 3 through 6, 8 and 9 were determined to be not applicable for the study intersection. These findings demonstrate that the MUTCD minimum signal warrant criteria **are satisfied** for the study location.

The results of the signal warrant analysis for the intersection of NW 57th Avenue and NW 191st Street indicate that three of the nine signal warrants are satisfied. Therefore, based on the standards adopted by the FDOT as specified in the Manual of Uniform Traffic Control Devices, it is recommended that the FDOT considers the installation of a new traffic signal at the intersection of SR 823/NW 57th Avenue/Red Road and NW 191st Street. This recommendation is further supported by observations made during the field reviews where frequent two-stage crossings at the intersection were noted and by safety concerns due to visibility constraints experienced by westbound vehicles on the east leg of the intersection during both AM and PM peak periods. A conceptual signalization plan and cost estimate for the prosed new signal were prepared. Construction cost for signalizing the intersection estimated at approximately $570,284.61.

CTP 2018-001-0013 EXTRACT

September 4, 2018

Ms. Isis Sotolongo
Florida Department of Transportation, District Six
1000 NW 111th Avenue, Room 6206
Miami, Florida 33172

RE: ***Task Work Orders # 26 & # 37***
Section 87002000/SR 823 / Red Road / NW 57 Avenue at NW 199 Street, Miami-Dade County, Florida
Crosswalk Feasibility Analysis & Operational Analysis (Mile Post 8.525)
CTP #2018-01-0013
Technical Memorandum – FINAL

Dear Mr. Abin,

The Florida Department of Transportation (FDOT) has retained Kimley-Horn and Associates, Inc. (Kimley-Horn) to conduct a crosswalk feasibility analysis for the SR 823 / Red Road / NW 57 Avenue at NW 199 Street intersection in Miami-Dade County.

Executive Summary

This study analyzed the SR 823 / Red Road / NW 57 Avenue at NW 199 Street intersection for possible installation of crosswalks on the north and south legs. This intersection was analyzed for design, operations, and safety considerations. A review of pedestrian and bicyclist related crash reports was also incorporated into the analysis.

A total of three (3) pedestrian and/or bicyclist crashes were reported within the study limits over the most recent five (5) year period of verified crash data (2011-2015) with no crashes occurring in 2011, one (1) crash occurring in 2012, two (2) crashes occurring in 2013, no crashes occurring in 2014, and no crashes occurring in 2015. In addition, unverified data from 2016 was reviewed and found to have one (1) bicycle crash. Including the 2016 crash, there were three (3) crashes involving bicyclists/pedestrians crossing SR 823 and one (1) involving a bicyclist crossing the east leg crosswalk. Of the four (4) crashes, there were three (3) crashes with injury, but no crashes with fatalities. One (1) crash involved a pedestrian and three (3) crashes involved bicyclists.

During the field visit it was observed that the existing signal timing accommodated the traffic without excessive delay for any of the approaches. Additionally, five (5) total bicycle or pedestrian crossings were observed, four (4) on the south leg and one (1) on the north leg.

Based on the recommendations in the draft report, traffic counts were collected at the intersection in order to perform an operational analysis of the intersection. Existing and Build (with crosswalks) condition operational analyses were conducted. During the AM peak hour the Level-of-Service (LOS) will decrease from LOS C to LOS D, but during the PM peak hour the LOS will be maintained at LOS C. Based on the crosswalk analysis, signal timing analysis, review of crash data, operational analysis, and field review the following recommendations are made to improve pedestrian and vehicular conditions at the intersection.

Recommendations

Crosswalk Improvement

- Install marked pedestrian crosswalks on the north and south legs of the intersection
  - Install corresponding countdown pedestrian signals with push buttons on the east and west sides of both crosswalks
  - Upgrade intersection lighting to meet design requirements
- Coordinate with Miami-Dade County to increase the Cycle Length and East-West green time to accommodate the pedestrian crossing time as part of the Signal Fine Tuning/Re-Timing project along SR 823
  - Per the operational analysis the existing 85 second cycle length cannot accommodate the pedestrian crossing; therefore, a 170 second cycle length is recommended to maintain coordination. See attached Synchro analysis for recommended timings **(Appendix F)**.
- Install a stop bar for the southbound right-turn lane and remove the Manual on Uniform Traffic Control Devices (MUTCD) R1-2 YIELD sign
- Determine feasibility of extending the southbound right-turn lane to accommodate the anticipated 525 foot queue

Other Improvements to be completed in the short-term

- Install countdown pedestrian signals with push buttons on the north and south sides of the existing east leg crosswalk
- Re-install the knocked down MUTCD R1-2 YIELD sign for the southbound right-turn movement
  - This is to correct an existing deficiency where the mounted sign has been knocked down and is no longer visible to southbound drivers. The sign will need to be removed if a north leg crosswalk is installed
  - The Maintenance Office has been notified of the damaged sign

Introduction

The primary focus of this study was to determine the feasibility of installing marked pedestrian crosswalks along the north and south legs of the SR 823 / Red Road / NW 57 Avenue at NW 199 Street intersection. SR 823 is an Urban Principal Arterial (Other) oriented in the north-south direction with a posted speed limit of 45 miles per hour (mph). Within the vicinity of the intersection, SR 823 is a six (6)-lane, divided roadway with exclusive northbound and southbound left-turn lanes and an exclusive southbound right-turn lane at the NW 199 Street intersection. Sidewalks are provided along the east side of SR 823 only; however, bicycle lanes are not provided along either side of SR 823. Marked crosswalks are not provided across the north or south legs. Street lighting is provided along the west side of SR 823 both north and south of the intersection. A canal runs parallel along the west side of SR 823.

The nearest signalized intersections to the study intersection along SR 823 are NW 202 Street / Honey Hill Drive, approximately one-quarter (1/4) mile to the north, and NW 195 Drive, approximately 650 feet to the south. The nearest marked pedestrian crosswalks across SR 823 are at Marks Way,

Conclusion

This study analyzed the SR 823 at NW 199 Street intersection for possible pedestrian improvements. During the field visit it was observed that the existing signal timing accommodated the traffic without excessive delay for any of the approaches. Additionally, five (5) total bicycle/pedestrian crossings were observed, four (4) on the south leg and one (1) on the north leg. A review of the 2011-2016 crash data showed that a total of four (4) bicyclist and/or pedestrian involved crashes were reported, of which three (3) occurred crossing SR 823 and one (1) occurred crossing the east leg crosswalk. An operational analysis of the intersection was performed and shows that the implementation of crosswalks will result in only a minimal increase in delay. Based on the field observations, review of crash data, and signal timing analysis the following recommendations are made to improve pedestrian and vehicular conditions.

Recommendations

Crosswalk Improvement

- Install marked pedestrian crosswalks on the north and south legs of the intersection
  - Install corresponding countdown pedestrian signals with push buttons on the east and west sides of both crosswalks
  - Upgrade intersection lighting to meet design requirements
- Coordinate with Miami-Dade County to increase the Cycle Length and East-West green time to accommodate the pedestrian crossing time as part of the Signal Fine Tuning/Re-Timing project along SR 823
  - Per the operational analysis the existing 85 second cycle length cannot accommodate the pedestrian crossing; therefore, a 170 second cycle length is recommended to maintain coordination. See attached Synchro analysis for recommended timings **(Appendix F)**.
- Install a stop bar for the southbound right-turn lane and remove the Manual on Uniform Traffic Control Devices (MUTCD) R1-2 YIELD sign
- Determine feasibility of extending the southbound right-turn lane to accommodate the anticipated 525 foot queue

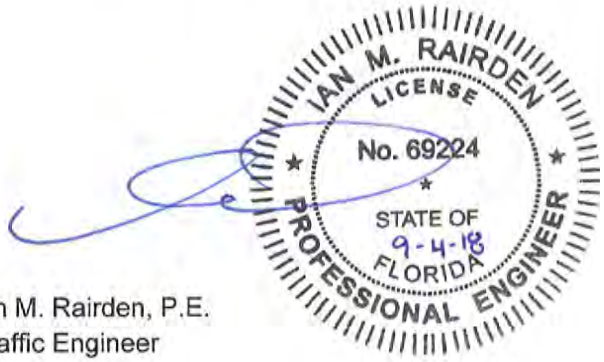
Other Improvements to be completed in the short-term

- Install countdown pedestrian signals with push buttons on the north and south sides of the existing east leg crosswalk
- Re-install the knocked down MUTCD R1-2 YIELD sign for the southbound right-turn movement
  - This is to correct an existing deficiency where the mounted sign has been knocked down and is no longer visible to southbound drivers. The sign will need to be removed if a north leg crosswalk is installed
  - The Maintenance Office has been notified of the damaged sign

Please contact me via email at ian.rairden@kimley-horn.com or via telephone at (954) 535-5139 if you have any questions or comments regarding this information.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.



Ian M. Rairden, P.E.
Traffic Engineer

Florida Registration
Number 69224
Certificate of Authorization
Number CA00000696

k:\ftl_tpto\043951000 - two 26 - nw 57 ave at nw 199 st crosswalk\memo\update\two 26 - nw 57 ave at nw 199 st crosswalk - tech memo - final update.docx

CTP 2022-01-0014 EXTRACT

Florida Department of Transportation
District 6

DISTRICTWIDE TRAFFIC OPERATIONS/SAFETY STUDIES

FM No.: 24972673201
Contract No.: CA426
Task Work Order No. 29

FINAL

QUALITATIVE ASSESSMENT AND LEVEL OF SERVICE ANALYSIS

SR 823/NW 57th Ave/Red Rd at NW 202nd St/Honey Hill Dr

April 2022

SR 823/NW 57th Avenue/Red Rd at NW 202 Street/Honey Hill Dr

Financial Project No.:249726-7-32-01
Task Work Order No.: 29

QUALITATIVE ASSESSMENT

FINAL

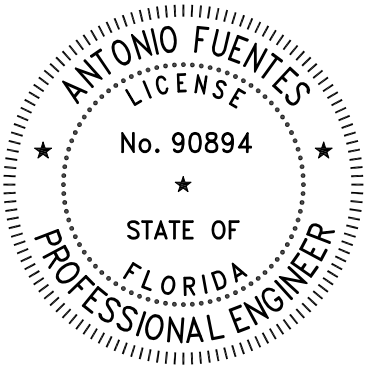
Prepared for:

Florida Department of Transportation

District 6

Prepared by:

RS&H, Inc.



April 2022

Executive Summary

This report documents the findings of an Intersection Qualitative Assessment for the intersection of SR 823/NW 57th Avenue and NW 202nd Street/Honey Hill Dr, located in Miami-Dade County, Florida. The qualitative assessment was initiated following a request received by FDOT to evaluate the feasibility of installing "No U-Turn" signs at the subject intersection for traffic on the northbound and southbound approaches. The following is a summary of the significant findings and conclusions reached from the Intersection Qualitative Assessment:

1. The study intersection operates under signal control using a four-phase signal operation plan. All left-turn movements operate under protected/permissive conditions.

2. Field observations during typical AM and PM peak periods indicate that moderate to long delays are experienced by left turning vehicles on the eastbound approach of the intersection, particularly during the AM peak period. The queues on the eastbound left-turn lane often do not clear the intersection on the first available green indication during AM peak. Furthermore, queues spill back past the left-turn bay storage capacity and impact the eastbound through lane. This spillback into the through lanes of queues increases the risk of rear-end collisions at the intersection.

3. Southbound left turn vehicles experience moderate to long delays during PM peak period. Southbound left vehicles often do not clear the intersection during the first green and queues sometimes spillover into the southbound through lanes.

4. The existing traffic volumes showed moderate to heavy northbound and southbound through volumes at the intersections. Northbound left-turn volumes are relatively moderate (77 in AM peak hour and 147 in PM peak hour). Southbound left turns are moderate to high (159 in AM peak hour and 276 in PM peak hour). U-turn movements are very low at the intersection – only one observed U-turn vehicle throughout the AM and PM peak hours.

5. Crash data obtained from FDOT showed a total of 109 crashes occurred at the intersection during the three-year period from 2017 to 2019. Rear-end collisions (50), left turn collisions (30) and sideswipe collisions (11) were the leading type of crashes at the study intersection. Twelve left-turn collisions involved a southbound left-turning vehicles, and eight left-turn collisions involved a northbound left-turning vehicle.

6. Left turn crashes experienced at the intersection were determined to be abnormally high when compared to similar intersections in Miami-Dade County. Only one crash was reported involving a vehicle making a U-turn movement at the intersection.

Based on findings from the Intersection Qualitative Assessment no restrictions are recommended for northbound and southbound U-turn movements at the intersection. The following support this recommendation:

- U-turn movements at the intersection are very low. Only one U-turn movement was observed at the in the intersection during the combined AM and PM hours at the intersection.
- U-turns have no appreciable impact on left turn movements due to the very low U-turn volumes.
- U-turns do not present an adverse crash risk at the intersection as only one crash involving a U-turning vehicle was reported over the 3-year period from 2017 through 2019.
- The width of SR 823/NW 57th Avenue (3 lanes) is adequate to accommodate a passenger vehicle making a left turn movement in one maneuver.
- Sight distance is adequate for making northbound and southbound U-turn movements. There are no fixed sight restrictions at the intersection.

In addition to the above, the following actions are recommended for consideration at the intersection:

- It is recommended that FDOT perform an intersection analysis to investigate improvements to address the extensive queueing and delays experienced during peak periods on the eastbound approach and southbound left turn movement at the intersection. The study should also investigate potential mitigation measures to address the high number of left turn crashes experienced at the intersection.
- It is recommended that FDOT coordinate with the relevant roadway jurisdiction to address the deteriorating pavement condition and markings on the west leg of NW 202nd Street.

FM 250662-5-32-01 EXTRACT

FINAL

LEFT-TURN PHASE WARRANT ANALYSIS

SR 823/NW 57 AVENUE AT NW 195 DRIVE

Section No.: 87002000; Milepost: 8.404

Financial Project No.: 250662-5-32-01
Task Work Order No.: 36

Prepared for:
Florida Department of Transportation - District 6

FDOT Project Manager:
Yenia Morales

EUGENIO S. LOPEZ, MSCE, PE, PTOE
Choice Project Manager

JESSICA GARCIA, MSCE, PE, RSP
Choice Transportation Engineer

ELIZABETH GONZALEZ, EI
Choice Engineering Intern

JULY 2024

SR 823/NW 57 Avenue (87002000) at NW 195 Drive (MP 8.404)

Financial Project No.: 250662-5-32-01
Contract No.: CAF16
Task Work Order No.: 36

Left-Turn Phase Warrant Analysis
(FINAL)

Prepared for:

Florida Department of Transportation

District Six

Yenia Morales
FDOT Project Manager

Prepared By:
Eugenio Lopez, MSCE, PE, PTOE
Choice Project Manager

Jessica Garcia, MSCE, PE, RSP
Choice Transportation Engineer

Elizabeth Gonzalez, EI
Choice Engineering Intern

July 2024

Engineer's Certification

I, Eugenio S. Lopez, PE No. 68213, certify that I currently hold an active Professional Engineer's License in the State of Florida and am competent through education and experience to provide engineering services in the civil and traffic engineering disciplines contained in this report. I further certify that this report was prepared by me or under my responsible charge as defined in Chapter 61G15-18.011 F.A.C. and that all statements, conclusions, and recommendations made herein are true and correct to the best of my knowledge and ability.

Study Location:

Left-Turn Phase Warrant Analysis – SR 823/NW 57 Avenue at NW 195 Drive

Eugenio S. Lopez, MSCE, PE, PTOE

P.E. No. 68213

Executive Summary

Choice Engineering Consultants, Inc. was retained by the Florida Department of Transportation (FDOT) District Six Traffic Operations Office (hereafter referred to as the Department) to conduct a Left-Turn Phase Warrant Analysis for the intersection of SR 823/NW 57 Avenue/Red Road (hereafter referred to as SR 823) at NW 195 Drive, in the City of Miami Gardens, Miami-Dade County, Florida, as presented in **Figure 1**. This study was initiated by an FCR (2022 B4, No. 22) involving a southbound left-turn crash which recommended that a Left-Turn Phase Warrant Analysis be performed at the intersection of SR 823 and NW 195 Drive - see **Appendix A**. The subject fatal crash (Police Report #24884003) occurred on March 19, 2022, at 10:35 PM under nighttime and dry pavement conditions. The incident happened when a southbound vehicle failed to yield the right-of-way to an oncoming northbound through vehicle. The purpose of the Left-Turn Phase Warrant Analysis is to investigate and document existing traffic operations and safety conditions at the study intersection and evaluate alternative signal operating plans that could improve traffic operations or make recommendations for improvements (if necessary).

Based on the Left-Turn Phase Warrant Analysis, it is recommended that the Department convert the protected/permissive southbound left-turn movement to a protected-only phase for all day operations, seven days a week.

For the southbound left-turn movement, a protected-only phase is recommended due the unusual geometrics of having a mast arm upright limiting the visibility of southbound left-turning vehicles to oncoming northbound through traffic. According to FDOT TEM guidelines, a protected-only mode may be considered when any of the conditions A to D are met and shall be provided when conditions E to H are met, and this movement satisfies conditions B, D, and F. Since condition F is met, a protected left-turn mode is required to be implemented. According to ITE, a protected left-turn phasing is recommended due to the sight distance being less than the minimum sight distance to oncoming vehicles not being able to remove the obstruction by offsetting the opposing left-turn lane.

It is worth mentioning that narrowing the concrete traffic separator adjacent to the southbound left-turn lane or removing the traffic signal structure in the median were considered to improve the sight distance for southbound left-turning traffic to opposing through vehicles. However, it was determined that the existing 4-foot traffic separator would not meet the minimum width requirement per FDOT standards. Further narrowing of the separator would leave turning vehicles with minimal physical protection from opposing traffic on a roadway with a 45 MPH posted speed limit, which is not a desirable condition. Additionally, the improved sight distance by narrowing the traffic separator would be minimal.

Furthermore, removing the traffic signal structure servicing southbound and westbound traffic from the median would require installing a new structure on the west side of SR 823, adjacent to the canal/concrete barrier. An alternative option would be to separate the mast arms by installing one structure at the near side of the westbound approach, which compromises sight distance, and the other arm in the southeast corner of the intersection, which requires an oversized mast arm of approximately 75 feet. These options are considered unfeasible.

Converting the southbound left-turn phasing to protected only seems to be the appropriate solution to address the limited sight distance created by the traffic signal structure in the median.

Based on the operational analysis, with the implementation of the southbound left-turn protected-only operation and timing optimization, the southbound left-turn movement will be serviced at LOS D during both peak hours. During the AM peak hour, the subject movement will experience an increase in delay of 37 seconds/vehicle and the 95th percentile queue will increase by 65 feet (approximately 3 vehicles) to a total of 92 feet. During the PM peak hour, the subject movement will experience an increase in delay of 30 seconds/vehicle and the 95th percentile queue will increase by 46 feet (approximately 2 vehicles) to a total of 129 feet. Despite the queue increases, the southbound left-turn bay measuring aproximately 195 feet with a 150-foot taper will still be able to accommodate the 95th percentile queues.

To implement the southbound left-turn protected-only phase for all-day operations, seven days a week, the existing inside 5-section head would need to be replaced with a 3-section head with regular bulbs to service the southbound through traffic and comply with FDOT Design Manual

Section 232.1.6. The manual indicates the necessity of providing a signal face per through lane, and there are three southbound through lanes at the study intersection. Additionally, a 3-section signal head with arrows would need to be installed on the traffic signal upright to service the protected-only southbound left-turn operation.

(This Area was Intentionally Left Blank)

APPENDIX D – COLLISION DIAGRAMS AND ANNUAL CRASH SUMMARIES

COLLISION SYMBOLS:

(808) RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

MATCHLINE A

MATCHLINE B

NW 191 STREET

COLLISION SYMBOLS:

(###) RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

MATCHLINE B

MATCHLINE C

NW 195 DRIVE

NW 199 STREET

COLLISION SYMBOLS:									
RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021	**COLLISION DIAGRAM SR 823/NW 57 AVENUE FROM MP 7.752 TO MP 9.399**	FIGURE NO.
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022		
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020			

MATCHLINE C

MATCHLINE D

NW 202 STREET

NW 202 STREET

COLLISION SYMBOLS:									
(###) RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021	COLLISION DIAGRAM SR 823/NW 57 AVENUE FROM MP 7.752 TO MP 9.399	FIGURE NO.
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022		
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020			

COLLISION SYMBOLS:

(808) RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

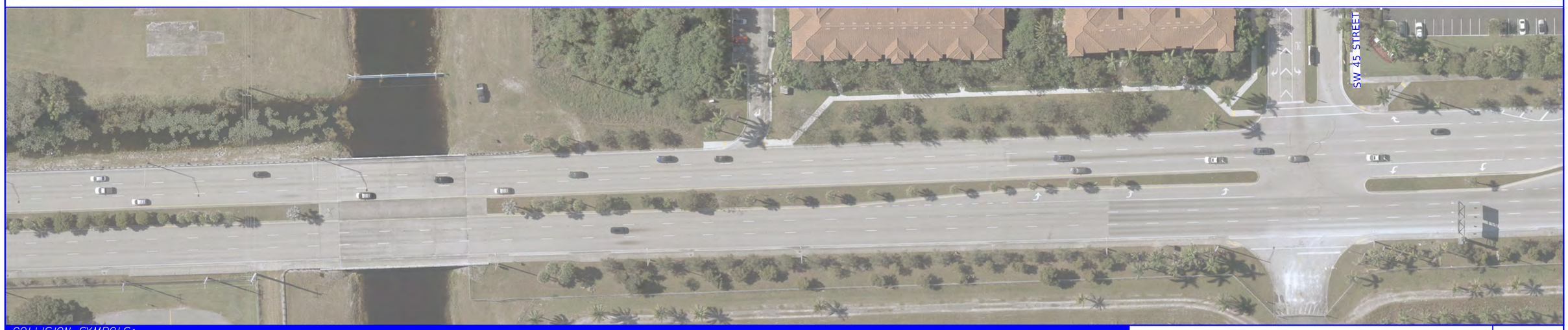
FIGURE NO.

COLLISION SYMBOLS:

(108) RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.



COLLISION SYMBOLS:

999 RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/ NW 57 AVENUE
FROM SOUTH OF NW 186 STREET
TO SOUTH OF HEFT

FIGURE NO.

MATCHLINE E

MATCHLINE F

SW 45 STREET

SW 45 STREET

COLLISION SYMBOLS:

(999) RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

COLLISION SYMBOLS:

RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

MATCHLINE A

MATCHLINE B

NW 191 STREET

COLLISION SYMBOLS:

RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

MATCHLINE B

MATCHLINE C

NW 195 DRIVE

NW 199 STREET

COLLISION SYMBOLS:

RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

MATCHLINE C

MATCHLINE D

NW 202 STREET

NW 202 STREET

COLLISION SYMBOLS:									
RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021	**COLLISION DIAGRAM**	FIGURE NO.
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022	**SR 823/NW 57 AVENUE**	
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020		**FROM MP 7.752 TO MP 9.399**	

MATCHLINE D

MATCHLINE E

COLLISION SYMBOLS:

RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

MATCHLINE E

MATCHLINE F

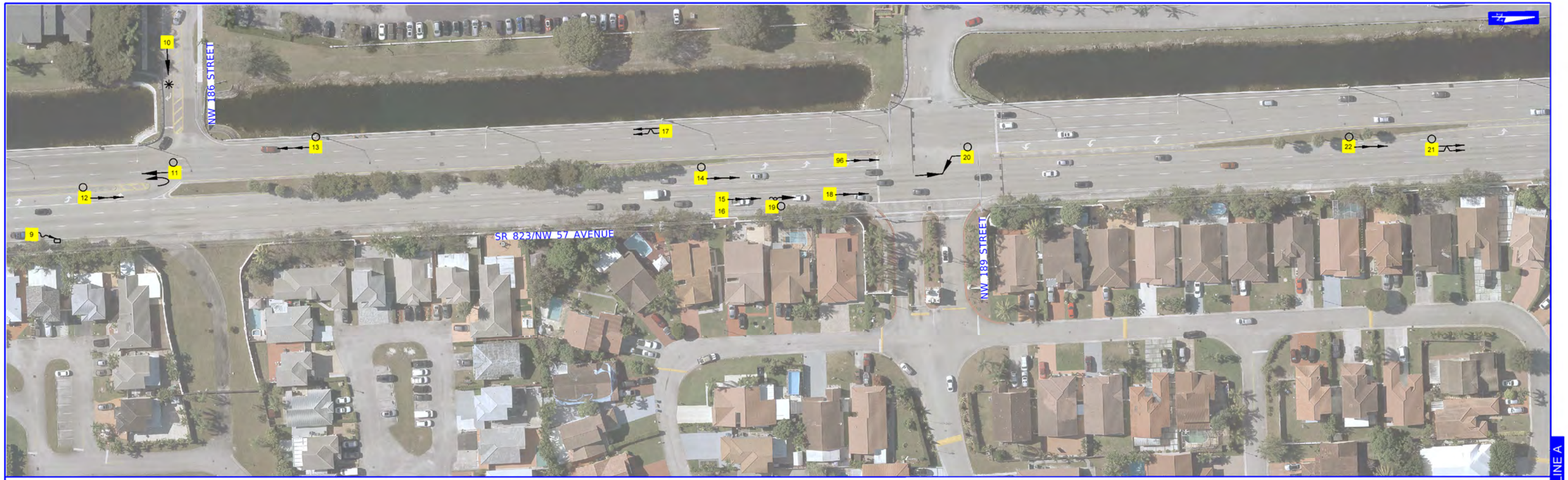
COLLISION SYMBOLS:

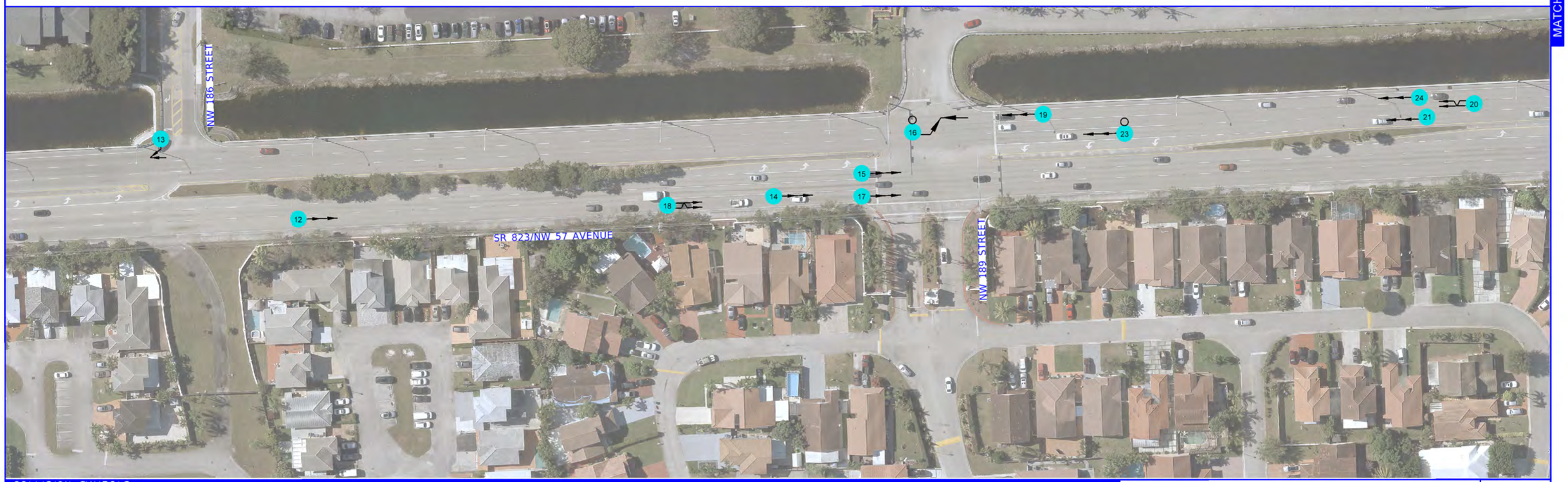
RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

LGarcia 12/4/2023 1:52:50 PM T:\2309 C-AP24 DW Traffic Ops - Safety Studies\TWO 12 - SR 823 NW 57 Ave From MP 7.752 to MP 9.399 - 3R\CADD\Aerial\Plan Co 6- 2018-2019.dgn





COLLISION SYMBOLS:

RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

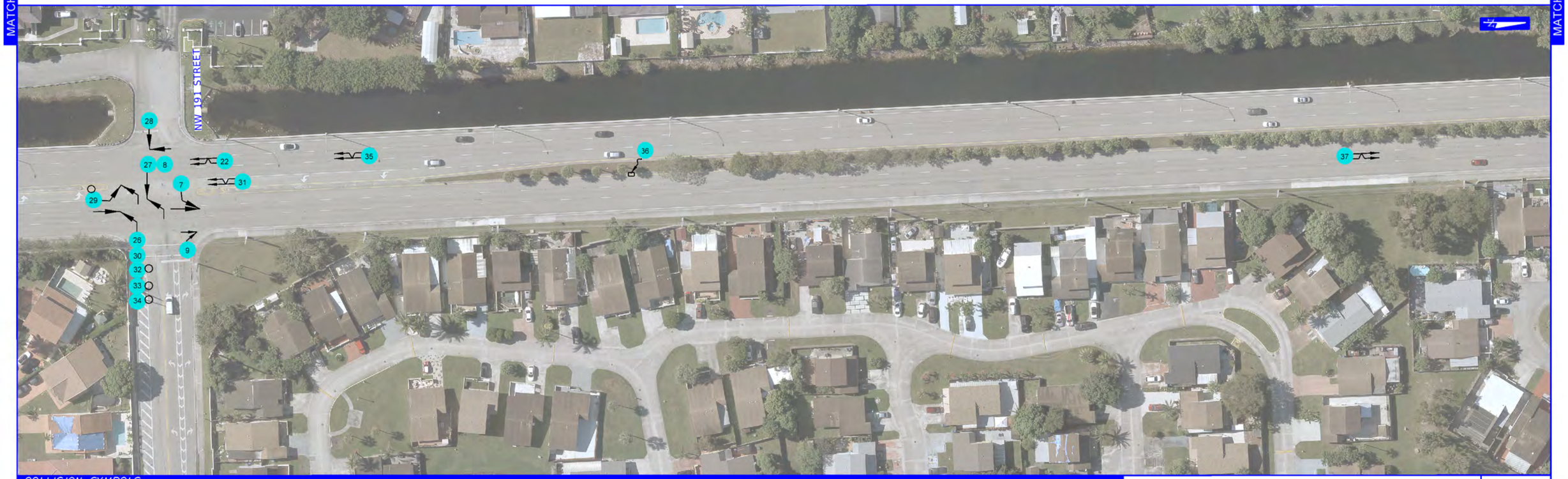
FIGURE NO.

MATCHLINE A

MATCHLINE B

NW 191 STREET

NW 191 STREET



COLLISION SYMBOLS:

RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

MATCHLINE B

MATCHLINE C

NW 195 DRIVE

NW 199 STREET

COLLISION SYMBOLS:

RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

MATCHLINE C

MATCHLINE D

NW 202 STREET

NW 202 STREET

COLLISION SYMBOLS:																				
RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

MATCHLINE D

MATCHLINE E

NW 204 ST

NW 204 ST

COLLISION SYMBOLS:

RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

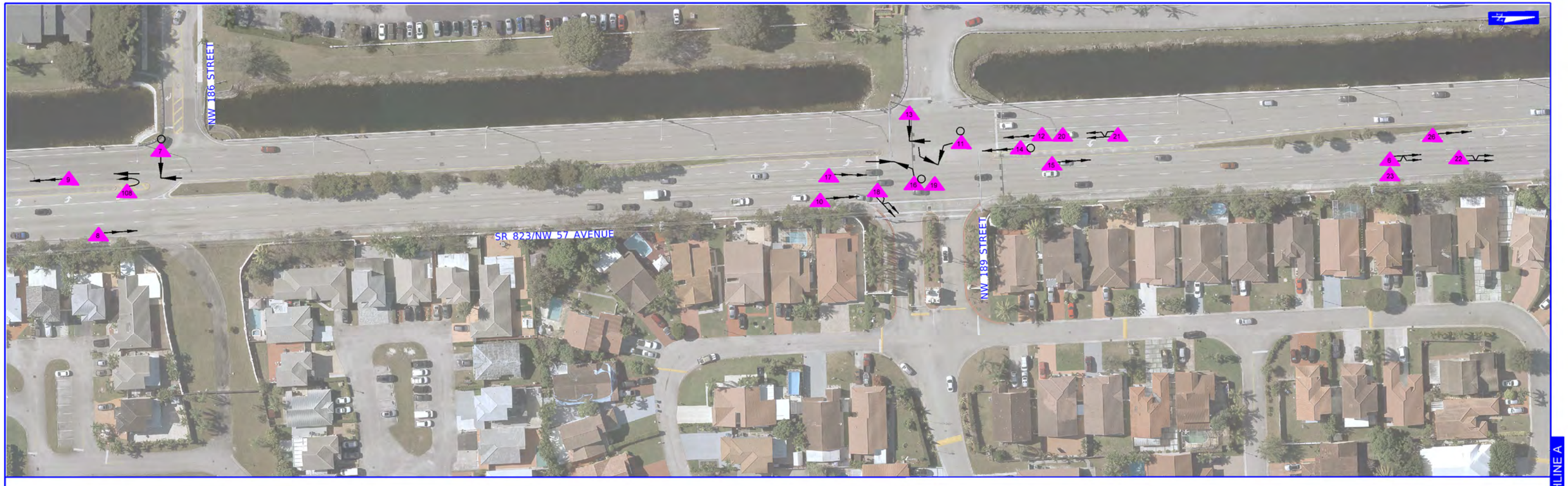
FIGURE NO.

COLLISION SYMBOLS:

RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.



COLLISION SYMBOLS:

(RN) RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

MATCHLINE A

MATCHLINE B

NW 191 STREET

24 29 126 31 32 25 34 35 36 127 5 27 28 30 37 33 38

NW 191 STREET

COLLISION SYMBOLS:									
RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021	**COLLISION DIAGRAM**	FIGURE NO.
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022	**SR 823/NW 57 AVENUE**	
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020		**FROM MP 7.752 TO MP 9.399**	

MATCHLINE B

MATCHLINE C

NW 195 DRIVE

NW 199 STREET

COLLISION SYMBOLS:

RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

MATCHLINE C

MATCHLINE D

NW 202 STREET

NW 202 STREET

COLLISION SYMBOLS:									
RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021	**COLLISION DIAGRAM**	FIGURE NO.
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022	**SR 823/NW 57 AVENUE**	
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020		**FROM MP 7.752 TO MP 9.399**	

COLLISION SYMBOLS:

(108) RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

MATCHLINE E

MATCHLINE F

SW 45 STREET

SW 45 STREET

COLLISION SYMBOLS:

(999) RECORD NUMBER	BICYCLIST	FIXED OBJECT	LEFT TURN	HEAD ON	CARGO LOSS/DEBRIS	YR 2018	YR 2021
INJURY	PEDESTRIAN	PARKED CAR	OUT OF CONTROL	ANGLE	U-TURN	YR 2019	YR 2022
FATAL	BACKING VEHICLE	REAR END	RIGHT TURN	SIDE SWIPE	OVERTURNED	YR 2020	

COLLISION DIAGRAM
SR 823/NW 57 AVENUE
FROM MP 7.752 TO MP 9.399

FIGURE NO.

State of Florida Department of Transportation
CRASH SUMMARY

SECTION: **87002000** STATE ROUTE: **823**

ROADWAY LIMITS: **SR 823 NW 57 Ave from S of NW 186 Street to S of HEFT** M.P. **7.752** TO **9.399** ENGINEER: **FDOT D6**

STUDY PERIOD: FROM **1/ 2018** TO **12/ 2018** COUNTY: **Miami-Dade**

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
87227266	1	0.005	07/11/18	Wed	1528	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
87160346	2	0.005	01/25/18	Thu	2350	Rear-End	0	0	1	Night	Dry	Followed too Closely
87295396	3	0.005	10/12/18	Fri	1545	Rear-End	0	0	1	Day	Dry	Followed too Closely
87131807	4	0.005	02/03/18	Sat	1330	Rear-End	0	0	1	Day	Dry	Followed too Closely
87241294	5	0.005	07/21/18	Sat	1435	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
87649736	6	0.005	09/05/18	Wed	0645	Curb	0	0	1	Night	Dry	Careless or Negligent Manner
87661422	7	0.005	11/15/18	Thu	0751	Right-Turn	0	0	1	Day	Wet	Failed to Yield Right-Of-Way
87664535	8	0.005	11/01/18	Thu	1110	Rear-End	0	0	1	Day	Dry	Followed too Closely
87624096	9	0.005	05/18/18	Fri	0840	Rear-End	0	0	1	Day	Dry	Followed too Closely
87623767	10	0.005	01/22/18	Mon	0759	Rear-End	0	0	1	Day	Dry	Followed too Closely
87625059	11	0.005	02/06/18	Tue	0900	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
87656541	12	0.005	10/23/18	Tue	0900	Angle	0	0	1	Day	Dry	Over-Correcting/Over-Steering
87648044	13	0.005	08/21/18	Tue	0700	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
87644027	14	0.005	07/10/18	Tue	1610	Rear-End	0	0	1	Day	Dry	Followed too Closely
87632357	15	0.005	04/20/18	Fri	1910	Sideswipe	0	0	1	Night	Dry	Failed To Keep In Proper Lane
87188560	16	0.005	05/25/18	Fri	1110	Guardrail Face	0	1	0	Day	Dry	Swerved Or Avoided
87661177	17	0.005	12/31/18	Mon	1700	Rear-End	0	0	1	Day	Dry	Followed too Closely
87247365	18	7.761	07/10/18	Tue	1639	Left-Turn	0	0	1	Day	Dry	Improper Turn
87214689	19	7.768	05/07/18	Mon	0625	Right-Turn	0	2	0	Day	Dry	Ran Stop Sign
87164254	20	7.771	01/16/18	Tue	0740	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
87119464	21	7.771	01/05/18	Fri	0005	Right-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
87115051	22	7.771	01/17/18	Wed	1135	Rear-End	0	1	0	Day	Dry	Followed too Closely
87247273	23	7.845	08/11/18	Sat	1820	Sideswipe	0	1	0	Day	Dry	Failed To Keep In Proper Lane
87166515	24	7.845	03/24/18	Sat	2200	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
87167265	25	7.892	03/29/18	Thu	1600	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
88026340	26	7.910	10/20/18	Sat	1525	Sideswipe	0	0	1	Day	Dry	Improper Passing
87224935	27	7.912	06/19/18	Tue	2342	Left-Turn	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
87213358	28	7.912	06/24/18	Sun	1420	Angle	0	1	0	Day	Dry	Ran Red Light
87247322	29	7.912	10/10/18	Wed	1600	Left-Turn	0	0	1	Day	Dry	No Contributing Action
87263253	30	7.914	07/17/18	Tue	1847	Rear-End	0	1	0	Night	Wet	Followed too Closely
87115041	31	7.918	01/05/18	Fri	0850	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
87131798	32	7.921	01/12/18	Fri	1450	Rear-End	0	1	0	Day	Wet	Followed too Closely
87220687	33	7.931	07/18/18	Wed	2310	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
87286710	34	7.987	09/21/18	Fri	1140	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
87165732	35	8.007	02/10/18	Sat	1045	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
88005994	36	8.028	09/10/18	Mon	2125	Rear-End	0	0	1	Night	Dry	Followed too Closely
87214675	37	8.037	04/20/18	Fri	0650	Sideswipe	0	0	1	Day	Dry	Improper Passing
87260116	38	8.050	09/20/18	Thu	1515	Rear-End	0	0	1	Day	Wet	Followed too Closely
88048888	39	8.056	12/31/18	Mon	1131	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
87257353	40	8.056	07/21/18	Sat	1130	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
88015603	41	8.056	11/19/18	Mon	1638	Angle	0	1	0	Day	Dry	Swerved Or Avoided
87213353	42	8.056	06/20/18	Wed	1900	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88011143	43	8.056	09/27/18	Thu	0655	Angle	0	2	0	Day	Dry	Ran Stop Sign
87241306	44	8.056	08/16/18	Thu	1745	Angle	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
87620041	45	8.056	02/06/18	Tue	0919	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
87163833	46	8.056	01/20/18	Sat	1645	Angle	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
87131800	47	8.056	01/12/18	Fri	1945	Angle	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
87652642	48	8.056	09/17/18	Mon	1748	Angle	0	0	1	Day	Dry	Careless or Negligent Manner
87249454	49	8.056	09/20/18	Thu	0353	Tree (Standing)	0	2	0	Night	Wet	Careless or Negligent Manner
87127902	50	8.056	02/26/18	Mon	0850	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
87135158	51	8.056	01/31/18	Wed	1445	Angle	0	1	0	Day	Dry	Ran Stop Sign
87251571	52	8.056	08/30/18	Thu	0656	Left-Turn	0	2	0	Day	Wet	Failed to Yield Right-Of-Way
87170393	53	8.094	03/10/18	Sat	1915	Curb	0	1	0	Night	Wet	No Contributing Action
88050056	54	8.398	12/30/18	Sun	1830	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
87118257	55	8.405	01/26/18	Fri	1545	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
87622627	56	8.405	03/08/18	Thu	1210	Angle	0	1	0	Day	Dry	Ran Red Light
88007659	57	8.405	12/12/18	Wed	0940	Angle	0	0	1	Day	Dry	Ran Red Light
88007655	58	8.424	12/11/18	Tue	0800	Right-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
87261813	59	8.466	08/09/18	Thu	0753	Rear-End	0	0	1	Day	Dry	Followed too Closely
82276187	60	8.466	01/23/18	Tue	1900	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
87231412	61	8.443	08/21/18	Tue	0820	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
87249464	62	8.517	06/29/18	Fri	1635	Right-Turn	0	1	0	Day	Wet	Failed to Yield Right-Of-Way
87137002	63	8.518	01/23/18	Tue	1933	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
87243733	64	8.519	07/10/18	Tue	2144	Left-Turn	0	0	1	Night	Dry	Ran Red Light
87269590	65	8.519	09/05/18	Wed	1700	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
88041871	66	8.519	12/20/18	Thu	1232	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
87202947	67	8.519	05/08/18	Tue	1617	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
87207884	68	8.519	04/14/18	Sat	2210	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
87145854	69	8.526	02/08/18	Thu	2157	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
87191203	70	8.526	03/28/18	Wed	0915	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
87635614	71	8.526	05/01/18	Tue	1758	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
88023227	72	8.526	11/10/18	Sat	1052	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
87145840	73	8.526	01/21/18	Sun	2009	Left-Turn	0	3	0	Night	Dry	Failed to Yield Right-Of-Way
88022203	74	8.526	11/29/18	Thu	1515	Left-Turn	0	3	0	Day	Dry	Failed to Yield Right-Of-Way
88019321	75	8.527	12/15/18	Sat	1635	Rear-End	0	0	1	Day	Dry	Followed too Closely
85515250	76	8.532	04/09/18	Mon	1156	Pedestrian	1	0	0	Day	Dry	Careless or Negligent Manner
87220506	77	8.537	08/09/18	Thu	1747	Rear-End	0	0	1	Day	Wet	Followed too Closely
87131802	78	8.566	01/25/18	Thu	1620	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
87124242	79	8.583	01/11/18	Thu	1600	Rear-End	0	0	1	Day	Dry	Followed too Closely
87264819	80	8.621	09/20/18	Thu	0940	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
87209054	81	8.648	04/06/18	Fri	1105	Rear-End	0	0	1	Day	Dry	Followed too Closely
87261800	82	8.675	07/20/18	Fri	1213	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
87171606	83	8.675	04/05/18	Thu	1630	Rear-End	0	3	0	Day	Wet	Followed too Closely

State of Florida Department of Transportation
CRASH SUMMARY

SECTION: **87002000** STATE ROUTE: **823**

ROADWAY LIMITS: **SR 823 NW 57 Ave from S of NW 186 Street to S of HEFT** M.P. **7.752** TO **9.399** ENGINEER: **FDOT D6**

STUDY PERIOD: FROM **1/ 2018** TO **12/ 2018** COUNTY: **Miami-Dade**

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
87210951	84	8.751	07/05/18	Thu	1345	Rear-End	0	1	0	Day	Dry	Followed too Closely
87293797	85	8.755	10/25/18	Thu	1312	Rear-End	0	0	1	Day	Dry	Followed too Closely
87270379	86	8.761	09/03/18	Mon	0040	Rear-End	0	0	1	Night	Wet	Followed too Closely
87245948	87	8.765	09/09/18	Sun	1458	Guardrail Face	0	1	0	Day	Wet	Careless or Negligent Manner
87625105	88	8.770	03/13/18	Tue	1707	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88022551	89	8.770	11/02/18	Fri	1830	Angle	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
87115045	90	8.770	01/14/18	Sun	1125	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
87275835	91	8.770	10/06/18	Sat	1415	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
87131806	92	8.770	01/29/18	Mon	1800	Left-Turn	0	0	1	Night	Dry	Ran Red Light
88055804	93	8.770	12/20/18	Thu	1845	Left-Turn	0	0	1	Night	Wet	Failed to Yield Right-Of-Way
88007660	94	8.770	12/13/18	Thu	0700	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88062722	95	8.770	12/28/18	Fri	0545	Angle	0	0	1	Night	Dry	Ran Red Light
87189383	96	8.772	05/22/18	Tue	1321	Rear-End	0	0	1	Day	Dry	Followed too Closely
87132419	97	8.774	02/13/18	Tue	0810	Rear-End	0	1	0	Day	Dry	Followed too Closely
87165783	98	8.779	04/13/18	Fri	1210	Rear-End	0	1	0	Day	Dry	Followed too Closely
87169698	99	8.790	02/03/18	Sat	1310	Rear-End	0	0	1	Day	Dry	Followed too Closely
87199949	100	8.808	04/20/18	Fri	1650	Rear-End	0	1	0	Day	Dry	Followed too Closely
88019297	101	8.817	11/13/18	Tue	1535	Rear-End	0	0	1	Day	Dry	Followed too Closely
87195128	102	8.827	05/17/18	Thu	1520	Rear-End	0	0	1	Day	Wet	Followed too Closely
87180626	103	8.827	03/23/18	Fri	1224	Rear-End	0	0	1	Day	Dry	Followed too Closely
88027900	104	8.827	12/25/18	Tue	0940	Rear-End	0	0	1	Day	Dry	Followed too Closely
87270407	105	8.827	10/01/18	Mon	1915	Rear-End	0	0	1	Day	Dry	Followed too Closely
87271309	106	8.882	09/14/18	Fri	0646	Rear-End	0	0	1	Night	Dry	Followed too Closely
87269597	107	8.969	09/08/18	Sat	1915	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
87269589	108	8.997	09/05/18	Wed	1345	Angle	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
87200795	109	8.997	04/11/18	Wed	1350	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
87169729	110	8.997	03/09/18	Fri	1730	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
87649174	111	8.997	08/23/18	Thu	0943	Sideswipe	0	1	0	Day	Dry	Careless or Negligent Manner
87248817	112	9.006	09/14/18	Fri	0905	Rear-End	0	0	1	Day	Dry	Followed too Closely
87248781	113	9.016	07/17/18	Tue	1300	Rear-End	0	0	1	Day	Dry	Followed too Closely
87117190	114	9.016	01/02/18	Tue	2230	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
87164264	115	9.031	01/25/18	Thu	0735	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
87167243	116	9.131	02/26/18	Mon	0305	Curb	0	0	1	Night	Dry	Careless or Negligent Manner
87193037	117	9.092	05/19/18	Sat	1345	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
87164265	118	9.171	01/25/18	Thu	0845	Rear-End	0	5	0	Day	Dry	Followed too Closely
88597361	119	9.276	09/14/18	Fri	0715	Rear-End	0	0	1	Day	Dry	Followed too Closely
87646965	120	0.008	08/03/18	Fri	1310	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
87644301	121	0.897	08/14/18	Tue	0638	Rear-End	0	0	1	Day	Dry	Followed too Closely
87634674	122	0.897	04/26/18	Thu	1136	Sideswipe	0	0	1	Day	Dry	Improper Passing
87127887	123	0.000	02/06/18	Tue	1053	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
87167269	124	0.000	04/03/18	Tue	1455	Rear-End	0	0	1	Day	Dry	Followed too Closely
87257405	125	0.000	09/13/18	Thu	0915	Angle	0	0	1	Day	Dry	Ran Red Light
87176811	126	0.000	06/03/18	Sun	1108	Angle	0	0	1	Day	Dry	Ran Red Light

	Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
	126	**1**	**41**	**84**	**52**	**0**	**19**	**23**	**5**	**20**	**0**	**1**	**0**	**7**	**0**	**0**
	Percent	*0.79%*	*32.54%*	*66.67%*	*41.27%*	*0.00%*	*15.08%*	*18.25%*	*3.97%*	*15.87%*	*0.00%*	*0.79%*	*0.00%*	*5.56%*	*0.00%*	*0.00%*
	Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/ Aggress	Ran off Road	DUI	Wrong Way
	Total	**98**	**28**	**16**	**110**	**22**	**34**	**1**	**8**	**0**	**4**	**0**	**0**	**0**	**0**	**0**
	Percent	*77.78%*	*22.22%*	*12.70%*	*87.30%*	*17.46%*	*26.98%*	*0.79%*	*6.35%*	*0.00%*	*3.17%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*

TOTAL ENTERING VEHICLES/ADT: **47,752**

SEGMENT CRASH RATE: **4.738** CRASHES PER MILLION VEHICLE MILES

State of Florida Department of Transportation
CRASH SUMMARY

SECTION: 87002000 STATE ROUTE: 823

ROADWAY LIMITS: SR 823 NW 57 Ave from S of NW 186 Street to S of HEFT M.P. 7.752 TO 9.399 ENGINEER: FDOT D6

STUDY PERIOD: FROM 1/ 2019 TO 12/ 2019 COUNTY: Miami-Dade

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
88161849	1	0.005	06/27/19	Thu	1800	Rear-End	0	0	1	Day	Dry	Followed too Closely
88209915	2	0.005	10/09/19	Wed	1715	Rear-End	0	0	1	Day	Wet	Followed too Closely
88215691	3	0.005	10/12/19	Sat	1650	Backed Into	0	0	1	Day	Dry	Improper Backing
88134011	4	0.005	06/03/19	Mon	1325	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
88241839	5	0.005	12/20/19	Fri	2045	Rear-End	0	0	1	Night	Dry	Followed too Closely
88255700	6	0.005	12/26/19	Thu	2232	Sideswipe	0	0	1	Night	Wet	Failed to Yield Right-Of-Way
88220704	7	0.005	11/14/19	Thu	1758	Rear-End	0	0	1	Night	Wet	Followed too Closely
88082216	8	0.005	03/11/19	Mon	1927	Rear-End	0	0	1	Night	Dry	Followed too Closely
88225903	9	0.005	12/16/19	Mon	1255	Rear-End	0	0	1	Day	Dry	Followed too Closely
88121256	10	0.005	06/11/19	Tue	1800	Sideswipe	0	0	1	Day	Dry	Improper Passing
88902435	11	0.005	11/12/19	Tue	1700	Rear-End	0	0	1	Night	Dry	Followed too Closely
88873029	12	0.005	04/19/19	Fri	1627	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
88881808	13	0.005	07/06/19	Sat	2208	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88875299	14	0.005	05/04/19	Sat	1405	Traffic Sign Support	0	0	1	Day	Dry	Drove too Fast for Conditions
88895018	15	0.005	09/27/19	Fri	0738	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
87663861	16	0.005	04/12/19	Fri	1200	Backed Into	0	0	1	Day	Dry	Improper Backing
88866192	17	0.005	02/28/19	Thu	1800	Rear-End	0	1	0	Day	Dry	Followed too Closely
88895539	18	0.005	09/27/19	Fri	0720	Rear-End	0	0	1	Day	Dry	Followed too Closely
88892229	19	0.005	09/23/19	Mon	0853	Rear-End	0	0	1	Day	Dry	Followed too Closely
88176350	20	0.000	08/24/19	Sat	1445	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88086681	21	0.000	02/27/19	Wed	0854	Sideswipe	0	0	1	Day	Dry	Disregarded other Road Markings
88866576	22	0.008	03/02/19	Sat	1808	Rear-End	0	0	1	Day	Dry	Followed too Closely
88241826	23	7.757	12/06/19	Fri	1900	Sideswipe	0	0	1	Night	Dry	Improper Passing
88094388	24	7.766	04/30/19	Tue	1939	Head-On	0	1	0	Night	Dry	Over-Correcting/Over-Steering
88055850	25	7.771	03/20/19	Wed	1230	Right-Turn	0	0	1	Day	Dry	Ran Stop Sign
88213051	26	7.771	11/18/19	Mon	2232	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88870631	27	7.771	04/22/19	Mon	1225	Angle	0	0	1	Day	Dry	Ran Stop Sign
88060185	28	7.771	01/17/19	Thu	0720	Right-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88073822	29	7.771	05/13/19	Mon	0707	Right-Turn	0	0	1	Night	Dry	Ran Stop Sign
88208632	30	7.775	10/19/19	Sat	1150	Rear-End	0	1	0	Day	Dry	Followed too Closely
88118289	31	7.755	05/02/19	Thu	1030	Sideswipe	0	0	1	Day	Wet	Improper Passing
88263613	32	7.901	12/25/19	Wed	1638	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88029948	33	7.910	01/11/19	Fri	1645	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88029050	34	7.911	01/02/19	Wed	1133	Rear-End	0	0	1	Day	Dry	Followed too Closely
88229692	35	7.912	11/26/19	Tue	1817	Left-Turn	0	0	1	Night	Dry	Improper Turn
88120862	36	7.912	07/15/19	Mon	1315	Angle	0	1	0	Day	Dry	Ran Red Light
88240303	37	7.912	12/24/19	Tue	1755	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88063593	38	7.931	03/21/19	Thu	1430	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88225836	39	7.969	10/07/19	Mon	1010	Rear-End	0	0	1	Day	Dry	Followed too Closely
88235616	40	8.037	12/25/19	Wed	1225	Rear-End	0	0	1	Day	Dry	Followed too Closely
88876812	41	8.037	05/18/19	Sat	2321	Parked Motor Vehicle	0	0	1	Night	Dry	Careless or Negligent Manner
88164991	42	8.037	07/28/19	Sun	2145	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
88014342	43	8.051	01/03/19	Thu	1935	Rear-End	0	0	1	Night	Dry	Followed too Closely
88094385	44	8.056	04/29/19	Mon	1845	Angle	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
88226503	45	8.056	11/15/19	Fri	1504	Angle	0	0	1	Day	Wet	Failed to Yield Right-Of-Way
88255764	46	8.056	12/13/19	Fri	1652	Angle	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
88063590	47	8.056	03/09/19	Sat	1715	Angle	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
88176387	48	8.056	10/09/19	Wed	1845	Angle	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88210591	49	8.056	09/17/19	Tue	0901	Angle	0	0	1	Night	Dry	Ran Stop Sign
88226030	50	8.056	11/20/19	Wed	1140	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
88093202	51	8.056	05/07/19	Tue	2117	Angle	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
88144517	52	8.056	05/21/19	Tue	2205	Right-Turn	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
88246758	53	8.056	11/19/19	Tue	0610	Left-Turn	0	3	0	Night	Dry	Failed to Yield Right-Of-Way
88164133	54	8.056	08/15/19	Thu	2100	Angle	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
88147197	55	8.056	06/26/19	Wed	1452	Angle	0	3	0	Day	Dry	Failed to Yield Right-Of-Way
88120852	56	8.256	06/29/19	Sat	1515	Sideswipe	0	1	0	Day	Dry	Failed To Keep In Proper Lane
88125601	57	8.304	04/17/19	Wed	1725	Rear-End	0	0	1	Day	Dry	Followed too Closely
88162539	58	8.379	07/16/19	Tue	2152	Sideswipe	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88133999	59	8.389	05/23/19	Thu	1920	Sideswipe	0	0	1	Day	Dry	Improper Passing
88121219	60	8.394	05/06/19	Mon	2130	Rear-End	0	0	1	Night	Wet	Drove too Fast for Conditions
88172519	61	8.397	08/30/19	Fri	1420	Sideswipe	0	0	1	Day	Dry	Improper Passing
88117627	62	8.398	05/28/19	Tue	1800	Rear-End	0	0	1	Day	Dry	Followed too Closely
88118261	63	8.398	04/01/19	Mon	0806	Right-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88053689	64	8.405	03/19/19	Tue	1610	Angle	0	0	1	Day	Wet	Ran Red Light
88117596	65	8.407	05/05/19	Sun	1500	Sideswipe	0	0	1	Day	Dry	Improper Passing
88153834	66	8.515	07/05/19	Fri	0015	Backed Into	0	0	1	Night	Dry	Improper Backing
88143499	67	8.517	07/15/19	Mon	1400	Rear-End	0	0	1	Day	Dry	Followed too Closely
88225854	68	8.517	10/23/19	Wed	0635	Rear-End	0	0	1	Night	Dry	Followed too Closely
88246889	69	8.518	12/15/19	Sun	0439	Rear-End	0	0	1	Night	Dry	Followed too Closely
88055839	70	8.519	03/03/19	Sun	1948	Rear-End	0	0	1	Night	Dry	Followed too Closely
88051363	71	8.519	02/19/19	Tue	0720	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88029081	72	8.519	02/02/19	Sat	1105	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88173602	73	8.522	08/19/19	Mon	1920	Rear-End	0	0	1	Day	Dry	Followed too Closely
88203628	74	8.524	10/26/19	Sat	2215	Rear-End	0	0	1	Night	Dry	Followed too Closely
88050076	75	8.526	01/25/19	Fri	1815	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88882103	76	8.526	06/24/19	Mon	2315	Angle	0	1	0	Night	Dry	Ran Red Light
88086729	77	8.526	05/10/19	Fri	2241	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88143475	78	8.526	06/15/19	Sat	1745	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
88248898	79	8.531	11/13/19	Wed	1849	Fence	0	0	1	Night	Wet	Swerved Or Avoided
88120233	80	8.535	04/22/19	Mon	0555	Rear-End	0	0	1	Night	Dry	Followed too Closely
88894328	81	8.554	09/29/19	Sun	1300	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
88120853	82	8.554	06/29/19	Sat	1845	Rear-End	0	1	0	Day	Dry	Followed too Closely
88121653	83	8.564	09/16/19	Mon	0630	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane

State of Florida Department of Transportation
CRASH SUMMARY

SECTION: **87002000** STATE ROUTE: **823**

ROADWAY LIMITS: **SR 823 NW 57 Ave from S of NW 186 Street to S of HEFT** M.P. **7.752** TO **9.399** ENGINEER: **FDOT D6**

STUDY PERIOD: FROM **1/ 2019** TO **12/ 2019** COUNTY: **Miami-Dade**

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
88214449	84	8.570	11/01/19	Fri	1915	Rear-End	0	0	1	Night	Dry	Followed too Closely
88159936	85	8.575	09/12/19	Thu	2100	Rear-End	0	0	1	Night	Wet	Followed too Closely
88081662	86	8.648	05/03/19	Fri	0825	Rear-End	0	0	1	Day	Dry	Followed too Closely
88081664	87	8.675	05/04/19	Sat	0920	Sideswipe	0	0	1	Day	Dry	Improper Passing
88255684	88	8.707	12/11/19	Wed	1804	Rear-End	0	0	1	Night	Wet	Followed too Closely
88225837	89	8.713	10/08/19	Tue	0545	Rear-End	0	4	0	Night	Dry	Followed too Closely
88121255	90	8.715	06/11/19	Tue	1435	Rear-End	0	0	1	Day	Dry	Followed too Closely
88248889	91	8.732	11/08/19	Fri	1601	Sideswipe	0	2	0	Day	Dry	Erratic, Reckless or Aggressive
88121611	92	8.732	05/03/19	Fri	0831	Rear-End	0	2	0	Day	Dry	Followed too Closely
88113769	93	8.757	05/30/19	Thu	1613	Rear-End	0	0	1	Day	Dry	Followed too Closely
88246782	94	8.760	12/26/19	Thu	1015	Left-Turn	0	0	1	Day	Wet	Failed to Yield Right-Of-Way
88213050	95	8.761	11/18/19	Mon	2155	Rear-End	0	0	1	Night	Dry	Followed too Closely
88094373	96	8.768	04/09/19	Tue	1906	Rear-End	0	1	0	Night	Wet	Followed too Closely
88152054	97	8.770	08/11/19	Sun	1310	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
88867563	98	8.770	04/04/19	Thu	0815	Left-Turn	0	6	0	Day	Wet	Failed to Yield Right-Of-Way
88143495	99	8.770	07/08/19	Mon	1535	Angle	0	0	1	Day	Wet	Failed to Yield Right-Of-Way
88120270	100	8.770	06/15/19	Sat	2140	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88118300	101	8.770	05/22/19	Wed	1000	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
88197885	102	8.770	09/08/19	Sun	2200	Angle	0	0	1	Night	Dry	Ran Red Light
88121652	103	8.770	09/16/19	Mon	0652	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
88113754	104	8.770	05/02/19	Thu	1540	Left-Turn	0	5	0	Day	Wet	Failed to Yield Right-Of-Way
88120866	105	8.770	07/18/19	Thu	1700	Sideswipe	0	0	1	Day	Dry	Improper Turn
88068306	106	8.770	07/26/19	Fri	0808	Sideswipe	0	0	1	Day	Dry	No Contributing Action
88246777	107	8.770	12/19/19	Thu	1149	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
88136696	108	8.770	05/29/19	Wed	1845	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
88168988	109	8.770	07/20/19	Sat	2037	Left-Turn	0	9	0	Night	Dry	Failed to Yield Right-Of-Way
88225842	110	8.770	10/09/19	Wed	0720	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88113744	111	8.771	04/14/19	Sun	0215	Rear-End	0	0	1	Night	Dry	Followed too Closely
88123775	112	8.771	07/30/19	Tue	0930	Rear-End	0	0	1	Day	Dry	Followed too Closely
88205123	113	8.772	09/15/19	Sun	1230	Rear-End	0	0	1	Day	Dry	Followed too Closely
88086697	114	8.772	03/22/19	Fri	1119	Sideswipe	0	0	1	Day	Dry	Improper Passing
88138794	115	8.774	07/22/19	Mon	0815	Rear-End	0	0	1	Day	Dry	Followed too Closely
88029070	116	8.776	01/22/19	Tue	1012	Rear-End	0	0	1	Day	Dry	Followed too Closely
88246776	117	8.779	12/19/19	Thu	0940	Sideswipe	0	0	1	Day	Wet	Drove too Fast for Conditions
88075836	118	8.789	04/04/19	Thu	1500	Rear-End	0	0	1	Day	Wet	Followed too Closely
88043037	119	8.798	01/28/19	Mon	1420	Rear-End	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
88225898	120	8.808	12/13/19	Fri	1125	Rear-End	0	0	1	Day	Dry	Followed too Closely
88053684	121	8.827	03/15/19	Fri	1705	Sideswipe	0	0	1	Day	Dry	Improper Passing
88214464	122	8.969	11/09/19	Sat	1845	Sideswipe	0	0	1	Night	Dry	Improper Passing
88263594	123	8.969	12/09/19	Mon	1845	Rear-End	0	0	1	Night	Dry	Followed too Closely
88187235	124	8.978	09/07/19	Sat	0844	Rear-End	0	1	0	Day	Dry	Followed too Closely
88861249	125	8.995	01/25/19	Fri	1715	Thrown or Falling Object	0	0	1	Day	Dry	No Contributing Action
88187237	126	8.997	09/08/19	Sun	1014	Rear-End	0	0	1	Day	Dry	Improper Passing
88060177	127	8.997	01/09/19	Wed	0900	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88164132	128	9.129	08/15/19	Thu	1727	Rear-End	0	0	1	Day	Dry	Followed too Closely
89007238	129	9.293	06/11/19	Tue	1335	Curb	0	0	1	Day	Dry	Careless or Negligent Manner
88103152	130	9.296	03/26/19	Tue	1309	Sideswipe	0	0	1	Day	Dry	Improper Passing
88120143	131	9.310	08/12/19	Mon	1747	Rear-End	0	0	1	Day	Dry	Followed too Closely
88177129	132	9.398	08/18/19	Sun	2130	Rear-End	0	1	0	Night	Dry	Followed too Closely
88893162	133	0.008	10/12/19	Sat	1120	Rear-End	0	0	1	Day	Dry	Followed too Closely
88905819	134	0.008	12/24/19	Tue	2020	Sideswipe	0	0	1	Night	Dry	Improper Passing
88214442	135	0.009	10/24/19	Thu	1630	Rear-End	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88873733	136	0.897	04/24/19	Wed	0700	Rear-End	0	1	0	Day	Dry	Followed too Closely
88869891	137	0.897	03/26/19	Tue	2230	Rear-End	0	0	1	Night	Wet	Followed too Closely
88865785	138	0.897	02/25/19	Mon	0831	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88881105	139	0.897	06/24/19	Mon	0825	Rear-End	0	1	0	Day	Dry	Followed too Closely
88082041	140	9.247	03/26/19	Tue	1740	Rear-End	0	0	1	Day	Dry	Followed too Closely
88879730	141	0.008	05/31/19	Fri	1859	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane

	Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
	141	**0**	**34**	**107**	**58**	**1**	**16**	**24**	**5**	**29**	**3**	**0**	**1**	**3**	**0**	**0**
	Percent	*0.00%*	*24.11%*	*75.89%*	*41.13%*	*0.71%*	*11.35%*	*17.02%*	*3.55%*	*20.57%*	*2.13%*	*0.00%*	*0.71%*	*2.13%*	*0.00%*	*0.00%*

	Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/ Aggress	Ran off Road	DUI	Wrong Way
	Total	**93**	**48**	**18**	**123**	**3**	**43**	**2**	**4**	**3**	**13**	**1**	**1**	**0**	**0**	**0**
	Percent	*65.96%*	*34.04%*	*12.77%*	*87.23%*	*2.13%*	*30.50%*	*1.42%*	*2.84%*	*2.13%*	*9.22%*	*0.71%*	*0.71%*	*0.00%*	*0.00%*	*0.00%*

TOTAL ENTERING VEHICLES/ADT: **46,266**

SEGMENT CRASH RATE: **5.070** CRASHES PER MILLION VEHICLE MILES

State of Florida Department of Transportation
CRASH SUMMARY

SECTION: 87002000 STATE ROUTE: 823

ROADWAY LIMITS: SR 823 NW 57 Ave from S of NW 186 Street to S of HEFT M.P. 7.752 TO 9.399 ENGINEER: FDOT D6

STUDY PERIOD: FROM 1/ 2020 TO 12/ 2020 COUNTY: Miami-Dade

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
88904385	1	0.005	01/25/20	Sat	0833	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
89517328	2	0.005	03/14/20	Sat	2246	Rear-End	0	1	0	Night	Dry	Followed too Closely
89530092	3	0.005	06/14/20	Sun	1615	Rear-End	0	0	1	Day	Dry	Followed too Closely
89513379	4	0.005	01/08/20	Wed	1755	Rear-End	0	0	1	Night	Dry	Followed too Closely
88338361	5	0.008	05/29/20	Fri	2150	Rear-End	0	0	1	Night	Dry	Followed too Closely
88411711	6	8.047	11/06/20	Fri	1640	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88372903	7	0.005	11/09/20	Mon	1912	Sideswipe	0	0	1	Night	Wet	Disregarded other Road Markings
88276382	8	0.070	01/23/20	Thu	1749	Rear-End	0	0	1	Night	Wet	Followed too Closely
88187269	9	7.753	10/23/20	Fri	0353	Utility Pole/Light Support	0	0	1	Night	Dry	Erratic, Reckless or Aggressive
89536786	10	7.761	11/07/20	Sat	2100	Other Non-Collision	0	0	1	Night	Wet	Drove too Fast for Conditions
88314364	11	7.761	04/17/20	Fri	1310	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
89522464	12	7.770	03/14/20	Sat	1446	Rear-End	0	1	0	Day	Dry	Followed too Closely
88387481	13	7.799	09/06/20	Sun	1632	Rear-End	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
88411633	14	7.845	12/24/20	Thu	1500	Rear-End	0	3	0	Day	Wet	Followed too Closely
88173997	15	7.845	05/23/20	Sat	2120	Rear-End	0	0	1	Night	Wet	Followed too Closely
88371229	16	7.885	11/03/20	Tue	1555	Rear-End	0	0	1	Day	Dry	Followed too Closely
88401367	17	7.886	09/26/20	Sat	1347	Sideswipe	0	0	1	Day	Wet	Failed To Keep In Proper Lane
88287894	18	7.893	02/23/20	Sun	1535	Rear-End	0	0	1	Day	Dry	Followed too Closely
88328075	19	7.909	03/23/20	Mon	1515	Overturn/Rollover	0	1	0	Day	Dry	Careless or Negligent Manner
88232834	20	7.912	01/27/20	Mon	1010	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
88409575	21	7.984	10/24/20	Sat	2100	Sideswipe	0	1	0	Night	Dry	Failed To Keep In Proper Lane
88409576	22	7.984	10/24/20	Sat	2102	Rear-End	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
88408561	23	8.014	12/24/20	Thu	1951	Tree (Standing)	0	0	1	Night	Wet	Drove too Fast for Conditions
88361880	24	8.018	08/11/20	Tue	1627	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
88409598	25	8.042	11/23/20	Mon	1140	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
88364399	26	8.047	08/29/20	Sat	1620	Rear-End	0	0	1	Day	Wet	Followed too Closely
89536269	27	8.047	08/30/20	Sun	2140	Angle	0	0	1	Night	Wet	Improper Turn
88366551	28	8.047	08/19/20	Wed	2005	Angle	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88287912	29	8.048	03/13/20	Fri	1702	Sideswipe	0	2	0	Day	Dry	Improper Passing
88246790	30	8.056	01/05/20	Sun	1040	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88253267	31	8.056	02/18/20	Tue	1616	Left-Turn	0	1	0	Day	Dry	Improper Turn
88361857	32	8.141	07/09/20	Thu	1735	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
88369064	33	8.226	08/29/20	Sat	1530	Tree (Standing)	0	2	0	Day	Wet	Careless or Negligent Manner
88409588	34	8.250	11/08/20	Sun	1320	Tree (Standing)	0	0	1	Day	Wet	Drove too Fast for Conditions
88345136	35	8.296	09/12/20	Sat	0840	Tree (Standing)	0	0	1	Day	Wet	Drove too Fast for Conditions
88370759	36	8.351	10/26/20	Mon	1259	Rear-End	0	0	1	Day	Dry	Followed too Closely
88369079	37	8.377	09/23/20	Wed	1330	Rear-End	0	2	0	Day	Dry	Followed too Closely
88383627	38	8.378	09/25/20	Fri	0024	Rear-End	0	0	1	Night	Wet	Drove too Fast for Conditions
88247488	39	8.396	03/07/20	Sat	0450	Curb	0	1	0	Night	Dry	Careless or Negligent Manner
88316974	40	8.403	04/13/20	Mon	2225	Rear-End	0	0	1	Night	Dry	Followed too Closely
88246788	41	8.405	01/03/20	Fri	1053	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
88408367	42	8.405	11/05/20	Thu	1000	Angle	0	2	0	Day	Wet	Ran Red Light
88294570	43	8.405	05/06/20	Wed	0600	Angle	0	1	0	Night	Dry	Ran Red Light
88346086	44	8.414	08/29/20	Sat	1215	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
88328092	45	8.414	05/02/20	Sat	1815	Rear-End	0	0	1	Day	Dry	Followed too Closely
88411636	46	8.469	12/26/20	Sat	2015	Sideswipe	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88316962	47	8.500	03/11/20	Wed	1130	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
88294571	48	8.507	05/06/20	Wed	0725	Rear-End	0	0	1	Day	Dry	Followed too Closely
88332214	49	8.518	10/17/20	Sat	0045	Left-Turn	0	0	1	Night	Dry	Improper Turn
88411609	50	8.522	11/23/20	Mon	1945	Left-Turn	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
88314359	51	8.524	04/08/20	Wed	1800	Sideswipe	0	0	1	Day	Dry	Ran Red Light
88296104	52	8.526	03/25/20	Wed	1222	Angle	0	3	0	Day	Dry	Ran Red Light
88299778	53	8.526	03/10/20	Tue	1315	Angle	0	1	0	Day	Dry	Ran Red Light
88328115	54	8.526	06/16/20	Tue	1815	Right-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
88332567	55	8.526	06/17/20	Wed	2159	Angle	0	0	1	Night	Wet	Ran Red Light
88386937	56	8.526	09/17/20	Thu	1419	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
88301590	57	8.533	08/22/20	Sat	1724	Sideswipe	0	1	0	Day	Dry	Improper Turn
88284031	58	8.545	03/07/20	Sat	1820	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88346034	59	8.564	05/15/20	Fri	1245	Rear-End	0	1	0	Day	Wet	Drove too Fast for Conditions
89512370	60	8.704	01/01/20	Wed	2255	Other Non-Collision	0	0	1	Night	Dry	No Contributing Action
88333826	61	8.725	05/12/20	Tue	1534	Rear-End	0	0	1	Day	Dry	Followed too Closely
88369430	62	8.742	08/12/20	Wed	0816	Tree (Standing)	0	0	1	Day	Wet	Drove too Fast for Conditions
88314373	63	8.746	05/13/20	Wed	1342	Rear-End	0	0	1	Day	Dry	Followed too Closely
88379426	64	8.751	09/12/20	Sat	2207	Rear-End	0	0	1	Night	Wet	Drove too Fast for Conditions
88411585	65	8.758	10/18/20	Sun	1845	Rear-End	0	0	1	Night	Dry	Followed too Closely
88327644	66	8.759	08/16/20	Sun	2330	Right-Turn	0	2	0	Night	Dry	Failed to Yield Right-Of-Way
88307816	67	8.760	07/05/20	Sun	1950	Angle	0	0	1	Night	Wet	Failed to Yield Right-Of-Way
88317005	68	8.760	06/24/20	Wed	0815	Rear-End	0	0	1	Day	Dry	Followed too Closely
88316982	69	8.760	06/01/20	Mon	0845	Cargo/Equipment Loss or Shift	0	0	1	Day	Dry	Careless or Negligent Manner
89538049	70	8.760	09/10/20	Thu	1053	Rear-End	0	0	1	Day	Dry	Followed too Closely
89535056	71	8.760	08/13/20	Thu	1850	Right-Turn	0	0	1	Night	Dry	Failed To Keep In Proper Lane
88187246	72	8.760	09/13/20	Sun	1136	Left-Turn	0	1	0	Day	Wet	Failed to Yield Right-Of-Way
88331205	73	8.760	07/11/20	Sat	1230	Rear-End	0	0	1	Day	Dry	Followed too Closely
88331130	74	8.760	08/06/20	Thu	2137	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
89537094	75	8.760	09/11/20	Fri	0930	Angle	0	0	1	Day	Wet	Over-Correcting/Over-Steering
88365507	76	8.760	08/13/20	Thu	2139	Left-Turn	0	3	0	Night	Dry	Failed to Yield Right-Of-Way
88100192	77	8.760	11/29/20	Sun	1650	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88409591	78	8.760	11/14/20	Sat	1310	Rear-End	0	0	1	Day	Dry	Followed too Closely
88263629	79	8.760	01/11/20	Sat	1506	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88383352	80	8.760	10/08/20	Thu	0519	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88361874	81	8.764	08/01/20	Sat	1645	Guardrail Face	0	0	1	Day	Wet	Drove too Fast for Conditions
88333836	82	8.766	06/11/20	Thu	1905	Rear-End	0	0	1	Day	Dry	Followed too Closely
88316981	83	8.770	05/31/20	Sun	1145	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way

State of Florida Department of Transportation
CRASH SUMMARY

SECTION: **87002000** STATE ROUTE: **823**

ROADWAY LIMITS: **SR 823 NW 57 Ave from S of NW 186 Street to S of HEFT** M.P. **7.752** TO **9.399** ENGINEER: **FDOT D6**

STUDY PERIOD: FROM **1/ 2020** TO **12/ 2020** COUNTY: **Miami-Dade**

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
88369344	84	8.770	08/03/20	Mon	1230	Left-Turn	0	3	0	Day	Dry	Failed to Yield Right-Of-Way
88245900	85	8.770	01/13/20	Mon	1002	Angle	0	1	0	Day	Dry	Ran Red Light
88386939	86	8.770	09/21/20	Mon	1930	Left-Turn	0	3	0	Night	Wet	Failed to Yield Right-Of-Way
88249392	87	8.779	01/14/20	Tue	0928	Sideswipe	0	1	0	Day	Dry	Failed To Keep In Proper Lane
88296249	88	8.789	03/11/20	Wed	1935	Rear-End	0	0	1	Day	Dry	Followed too Closely
88287896	89	8.808	02/25/20	Tue	1845	Rear-End	0	2	0	Night	Dry	Followed too Closely
88245914	90	8.882	02/06/20	Thu	0543	Rear-End	0	2	0	Night	Dry	Followed too Closely
88284003	91	8.882	02/14/20	Fri	1615	Rear-End	0	0	1	Day	Dry	Followed too Closely
88411598	92	8.989	11/01/20	Sun	1745	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
88277156	93	8.997	01/28/20	Tue	2200	Right-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88361865	94	9.092	07/23/20	Thu	1558	Rear-End	0	5	0	Day	Wet	Exceed Posted Speed
88404488	95	9.129	11/10/20	Tue	0106	Rear-End	0	0	1	Night	Wet	Followed too Closely
89513028	96	0.008	01/06/20	Mon	0711	Rear-End	0	0	1	Day	Dry	Followed too Closely
89541516	97	0.887	10/13/20	Tue	1754	Rear-End	0	0	1	Day	Dry	Followed too Closely
88361866	98	0.897	07/24/20	Fri	1500	Right-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
89520234	99	0.897	02/24/20	Mon	1645	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
88314355	100	0.011	03/26/20	Thu	1630	Rear-End	0	0	1	Day	Dry	Followed too Closely
88255816	101	0.011	03/05/20	Thu	1650	Rear-End	0	0	1	Day	Dry	Followed too Closely
88294532	102	0.011	02/29/20	Sat	1150	Rear-End	0	0	1	Day	Dry	Followed too Closely
88314362	103	0.011	04/16/20	Thu	1515	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88187243	104	0.011	09/06/20	Sun	1326	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88409612	105	0.011	12/23/20	Wed	0950	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
88346090	106	9.095	09/24/20	Thu	0940	Rear-End	0	1	0	Day	Wet	Followed too Closely

	Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
	106	**0**	**37**	**69**	**43**	**0**	**12**	**20**	**5**	**14**	**0**	**0**	**0**	**8**	**0**	**0**
	Percent	*0.00%*	*34.91%*	*65.09%*	*40.57%*	*0.00%*	*11.32%*	*18.87%*	*4.72%*	*13.21%*	*0.00%*	*0.00%*	*0.00%*	*7.55%*	*0.00%*	*0.00%*

	Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/ Aggress	Ran off Road	DUI	Wrong Way
	Total	**69**	**37**	**26**	**80**	**5**	**30**	**4**	**7**	**11**	**1**	**1**	**1**	**0**	**0**	**0**
	Percent	*65.09%*	*34.91%*	*24.53%*	*75.47%*	*4.72%*	*28.30%*	*3.77%*	*6.60%*	*10.38%*	*0.94%*	*0.94%*	*0.94%*	*0.00%*	*0.00%*	*0.00%*

TOTAL ENTERING VEHICLES/ADT: **42,323**

SEGMENT CRASH RATE: **4.166** CRASHES PER MILLION VEHICLE MILES

State of Florida Department of Transportation
CRASH SUMMARY

SECTION: 87002000 STATE ROUTE: 823

ROADWAY LIMITS: SR 823 NW 57 Ave from S of NW 186 Street to S of HEFT M.P. 7.752 TO 9.399 ENGINEER: FDOT D6

STUDY PERIOD: FROM 1/ 2021 TO 12/ 2021 COUNTY: Miami-Dade

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
24347964	1	0.006	03/11/21	Thu	1345	Rear-End	0	0	1	Day	Dry	Followed too Closely
24383690	2	0.007	12/10/21	Fri	1700	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
24359828	3	0.008	06/17/21	Thu	0930	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
24371161	4	0.013	09/29/21	Wed	0905	Angle	0	0	1	Day	Dry	Careless or Negligent Manner
24373118	5	0.014	10/16/21	Sat	1700	Rear-End	0	0	1	Day	Dry	Exceed Posted Speed
24365140	6	0.016	07/30/21	Fri	0855	Rear-End	0	1	0	Day	Dry	Followed too Closely
88567366	7	0.009	10/24/21	Sun	1537	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
89573016	8	0.009	11/17/21	Wed	1745	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88546310	9	0.009	10/08/21	Fri	1325	Right-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88499488	10	0.007	05/10/21	Mon	1844	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88562847	11	0.993	11/21/21	Sun	2240	Left-Turn	0	2	0	Night	Dry	Failed to Yield Right-Of-Way
88498707	12	7.760	08/17/21	Tue	1400	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
88128266	13	7.761	07/08/21	Thu	1700	Right-Turn	0	0	1	Day	Dry	Ran Stop Sign
88443652	14	7.882	03/18/21	Thu	1110	Rear-End	0	0	1	Day	Dry	Followed too Closely
88490913	15	7.895	06/10/21	Thu	1422	Rear-End	0	0	1	Day	Dry	Followed too Closely
88510393	16	7.896	07/27/21	Tue	1010	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
88470018	17	7.900	08/22/21	Sun	1523	Rear-End	0	0	1	Day	Dry	Followed too Closely
88541090	18	7.901	11/12/21	Fri	2335	Sideswipe	0	0	1	Night	Dry	Failed To Keep In Proper Lane
24377180	19	7.901	10/28/21	Thu	0830	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
88557603	20	7.984	10/23/21	Sat	1200	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
88530865	21	7.984	08/26/21	Thu	0837	Rear-End	0	0	1	Day	Wet	Followed too Closely
88568958	22	7.984	11/30/21	Tue	0757	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
88547368	23	7.946	10/26/21	Tue	2111	Rear-End	0	1	0	Night	Dry	Followed too Closely
88454283	24	8.001	04/07/21	Wed	1500	Rear-End	0	0	1	Day	Dry	Followed too Closely
89567286	25	8.521	11/29/21	Mon	1853	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
88420990	26	8.047	01/18/21	Mon	1840	Angle	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88557602	27	8.047	10/22/21	Fri	1545	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88546293	28	8.047	09/03/21	Fri	0655	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88482850	29	8.047	08/17/21	Tue	2305	Angle	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
88533275	30	8.047	07/16/21	Fri	1820	Angle	0	0	1	Day	Dry	Ran Stop Sign
88557592	31	8.047	10/04/21	Mon	1515	Sideswipe	0	0	1	Day	Dry	Improper Passing
89563065	32	8.047	12/23/21	Thu	1928	Angle	0	2	0	Night	Dry	Failed to Yield Right-Of-Way
88409624	33	8.047	01/31/21	Sun	1215	Angle	0	3	0	Day	Dry	Ran Stop Sign
88546330	34	8.056	10/29/21	Fri	1315	Angle	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
88439463	35	8.065	03/06/21	Sat	1315	Sideswipe	0	0	1	Day	Dry	Improper Passing
88547319	36	8.200	08/13/21	Fri	1738	Tree (Standing)	0	1	0	Day	Dry	Exceed Posted Speed
88535270	37	8.269	09/03/21	Fri	1924	Sideswipe	0	0	1	Night	Dry	Improper Passing
88480839	38	8.342	05/03/21	Mon	0815	Rear-End	0	0	1	Day	Dry	Followed too Closely
24354418	39	8.398	05/12/21	Wed	2359	Rear-End	0	0	1	Night	Wet	Followed too Closely
88548035	40	8.399	08/31/21	Tue	1438	Rear-End	0	0	1	Day	Dry	Followed too Closely
88499491	41	8.413	05/12/21	Wed	1642	Rear-End	0	0	1	Day	Dry	Followed too Closely
88454288	42	8.417	04/15/21	Thu	1715	Sideswipe	0	0	1	Day	Dry	Improper Passing
88480871	43	8.480	07/04/21	Sun	1235	Rear-End	0	0	1	Day	Dry	Followed too Closely
88510423	44	8.507	05/28/21	Fri	0825	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
88512550	45	8.511	06/19/21	Sat	1845	Rear-End	0	3	0	Day	Dry	Followed too Closely
88547364	46	8.518	10/20/21	Wed	1733	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88437797	47	8.519	04/13/21	Tue	1345	Rear-End	0	0	1	Day	Dry	Followed too Closely
88532474	48	8.523	06/30/21	Wed	2130	Left-Turn	0	2	0	Night	Wet	Failed to Yield Right-Of-Way
88489483	49	8.526	08/21/21	Sat	1255	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
24883346	50	8.546	12/21/21	Tue	1511	Rear-End	0	0	1	Day	Wet	Followed too Closely
88499521	51	8.711	06/05/21	Sat	2008	Rear-End	0	0	1	Night	Dry	Followed too Closely
24883345	52	8.740	12/21/21	Tue	1500	Rear-End	0	0	1	Day	Wet	Followed too Closely
88425727	53	8.755	04/10/21	Sat	2125	Rear-End	0	0	1	Night	Dry	Followed too Closely
88451926	54	8.757	04/03/21	Sat	1443	Rear-End	0	0	1	Day	Dry	Followed too Closely
89573012	55	8.758	11/12/21	Fri	1455	Left-Turn	0	4	0	Day	Dry	Failed to Yield Right-Of-Way
88504656	56	8.759	05/08/21	Sat	0420	Rear-End	0	0	1	Night	Dry	Followed too Closely
88545019	57	8.760	08/30/21	Mon	1230	Rear-End	0	0	1	Day	Dry	Followed too Closely
88441444	58	8.760	03/02/21	Tue	1530	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
88450706	59	8.760	01/27/21	Wed	1722	Rear-End	0	0	1	Night	Dry	Followed too Closely
88449993	60	8.760	02/03/21	Wed	2225	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
24361240	61	8.760	06/23/21	Wed	0652	Rear-End	0	0	1	Day	Wet	Followed too Closely
88546292	62	8.760	08/26/21	Thu	0845	Left-Turn	0	3	0	Day	Wet	Failed to Yield Right-Of-Way
88451925	63	8.760	03/30/21	Tue	1650	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88448416	64	8.760	02/03/21	Wed	1830	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88480493	65	8.760	06/14/21	Mon	0153	Overturn/Rollover	0	2	0	Night	Dry	Careless or Negligent Manner
88273306	66	8.760	02/07/21	Sun	1254	Rear-End	0	0	1	Day	Dry	Followed too Closely
88502023	67	8.760	09/14/21	Tue	2257	Rear-End	0	0	1	Night	Dry	Followed too Closely
88579367	68	8.760	12/06/21	Mon	1400	Angle	0	0	1	Day	Wet	Ran Red Light
88566028	69	8.760	12/04/21	Sat	2300	Sideswipe	0	0	1	Night	Dry	Improper Turn
88566032	70	8.760	12/06/21	Mon	2140	Left-Turn	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
89581289	71	8.760	11/29/21	Mon	0745	Rear-End	0	0	1	Day	Dry	Followed too Closely
24368288	72	8.760	08/27/21	Fri	2118	Rear-End	0	0	1	Night	Dry	Followed too Closely
24373875	73	8.760	10/27/21	Wed	1436	Rear-End	0	0	1	Day	Dry	Followed too Closely
88557627	74	8.760	11/24/21	Wed	1730	Rear-End	0	0	1	Night	Dry	Followed too Closely
24371419	75	8.760	09/14/21	Tue	1711	Curb	0	0	1	Day	Dry	Over-Correcting/Over-Steering
88472434	76	8.760	05/23/21	Sun	0539	Left-Turn	0	2	0	Night	Dry	Ran Red Light
88454247	77	8.969	03/02/21	Tue	1315	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88409626	78	8.760	02/01/21	Mon	0955	Left-Turn	0	3	0	Day	Dry	Failed to Yield Right-Of-Way
89553251	79	8.760	02/06/21	Sat	1706	Angle	0	1	0	Day	Wet	Failed to Yield Right-Of-Way
88482273	80	8.760	04/26/21	Mon	1820	Rear-End	0	1	0	Day	Dry	Followed too Closely
88504673	81	8.763	06/08/21	Tue	0825	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
24383644	82	8.766	12/23/21	Thu	1036	Rear-End	0	0	1	Day	Dry	Followed too Closely
88530842	83	8.768	07/31/21	Sat	1313	Angle	0	0	1	Day	Wet	Failed To Keep In Proper Lane

State of Florida Department of Transportation
CRASH SUMMARY

SECTION: **87002000** STATE ROUTE: **823**

ROADWAY LIMITS: **SR 823 NW 57 Ave from S of NW 186 Street to S of HEFT** M.P. **7.752** TO **9.399** ENGINEER: **FDOT D6**

STUDY PERIOD: FROM **1/ 2021** TO **12/ 2021** COUNTY: **Miami-Dade**

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
88471575	84	8.770	05/10/21	Mon	1620	Rear-End	0	0	1	Day	Dry	Followed too Closely
88512562	85	8.770	07/08/21	Thu	2110	Left-Turn	0	2	0	Night	Dry	Failed to Yield Right-Of-Way
88494160	86	8.775	05/20/21	Thu	0510	Tree (Standing)	0	0	1	Night	Dry	Careless or Negligent Manner
89574098	87	8.807	12/03/21	Fri	0530	Rear-End	0	0	1	Night	Dry	Followed too Closely
88498660	88	8.860	06/08/21	Tue	1315	Rear-End	0	1	0	Day	Dry	Followed too Closely
88579873	89	8.982	11/24/21	Wed	2140	Rear-End	0	2	0	Night	Dry	Followed too Closely
88266888	90	8.989	01/01/21	Fri	1711	Rear-End	0	0	1	Night	Dry	Followed too Closely
88534517	91	8.993	07/30/21	Fri	0959	Angle	0	0	1	Day	Dry	Improper Turn
88409627	92	8.997	02/02/21	Tue	0630	Angle	0	2	0	Day	Dry	Ran Stop Sign
88583683	93	9.031	11/01/21	Mon	0550	Sideswipe	0	1	0	Night	Dry	Improper Passing
88565983	94	9.054	09/30/21	Thu	0545	Tree (Standing)	0	1	0	Night	Dry	Careless or Negligent Manner
88273307	95	9.083	02/12/21	Fri	0809	Sideswipe	0	1	0	Day	Dry	Improper Passing
24382987	96	0.886	12/05/21	Sun	1845	Rear-End	0	1	0	Night	Dry	Followed too Closely
88501244	97	0.887	06/29/21	Tue	1700	Rear-End	0	0	1	Night	Wet	Followed too Closely
88586436	98	0.887	11/30/21	Tue	2039	Left-Turn	0	2	0	Night	Dry	Failed to Yield Right-Of-Way
88504695	99	0.887	06/29/21	Tue	0955	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
88468587	100	0.887	04/19/21	Mon	1026	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88454271	101	0.887	03/24/21	Wed	2045	Left-Turn	0	4	0	Night	Dry	Failed to Yield Right-Of-Way
88401650	102	0.897	02/27/21	Sat	0000	Left-Turn	0	2	0	Night	Dry	Failed to Yield Right-Of-Way
24378034	103	0.897	11/15/21	Mon	1455	Pedalcycle	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
88557597	104	0.007	10/09/21	Sat	1930	Rear-End	0	0	1	Night	Dry	Followed too Closely
88441421	105	0.009	01/25/21	Mon	1945	Left-Turn	0	2	0	Night	Dry	Failed to Yield Right-Of-Way
88441450	106	0.009	03/11/21	Thu	1945	Left-Turn	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
89563456	107	0.009	12/24/21	Fri	2015	Angle	0	3	0	Night	Dry	Ran Red Light
88562586	108	0.011	09/04/21	Sat	0840	Rear-End	0	0	1	Day	Dry	Followed too Closely
89563455	109	0.011	12/24/21	Fri	1900	Sideswipe	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
88548038	110	0.011	09/01/21	Wed	1807	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way

	Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
	110	**0**	**36**	**74**	**47**	**0**	**16**	**24**	**2**	**15**	**0**	**1**	**0**	**4**	**0**	**0**
	Percent	*0.00%*	*32.73%*	*67.27%*	*42.73%*	*0.00%*	*14.55%*	*21.82%*	*1.82%*	*13.64%*	*0.00%*	*0.91%*	*0.00%*	*3.64%*	*0.00%*	*0.00%*

	Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/ Aggress	Ran off Road	DUI	Wrong Way
	Total	**71**	**39**	**11**	**99**	**9**	**36**	**2**	**3**	**2**	**6**	**0**	**0**	**0**	**0**	**0**
	Percent	*64.55%*	*35.45%*	*10.00%*	*90.00%*	*8.18%*	*32.73%*	*1.82%*	*2.73%*	*1.82%*	*5.45%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*

TOTAL ENTERING VEHICLES/ADT: **42,323**

SEGMENT CRASH RATE: **4.166** CRASHES PER MILLION VEHICLE MILES

State of Florida Department of Transportation
CRASH SUMMARY

SECTION: 87002000 STATE ROUTE: 823

ROADWAY LIMITS: SR 823 NW 57 Ave from S of NW 186 Street to S of HEFT M.P. 7.752 TO 9.399 ENGINEER: FDOT D6

STUDY PERIOD: FROM 1/ 2022 TO 12/ 2022 COUNTY: Miami-Dade

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
25214657	1	0.005	08/19/22	Fri	0930	Rear-End	0	0	1	Day	Dry	Followed too Closely
25213242	2	0.011	07/31/22	Sun	1632	Backed Into	0	0	1	Day	Dry	Improper Backing
25225859	3	0.014	11/04/22	Fri	1030	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
24904980	4	0.014	04/04/22	Mon	1315	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
24923298	5	0.009	03/25/22	Fri	1600	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
24905001	6	0.009	05/05/22	Thu	1445	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
25007954	7	7.761	09/05/22	Mon	2117	Angle	0	3	0	Night	Dry	Disregarded other Road Markings
25066822	8	7.788	12/26/22	Mon	1220	Rear-End	0	0	1	Day	Wet	Followed too Closely
24960161	9	7.788	08/16/22	Tue	1644	Rear-End	0	0	1	Day	Dry	Followed too Closely
25231152	10	7.900	12/24/22	Sat	1710	Rear-End	0	0	1	Night	Wet	Followed too Closely
24394951	11	7.901	03/14/22	Mon	1335	Angle	0	1	0	Day	Dry	Ran Red Light
24924755	12	7.901	04/18/22	Mon	0600	Rear-End	0	0	1	Night	Wet	Followed too Closely
24921904	13	7.901	03/11/22	Fri	1815	Angle	0	0	1	Night	Dry	Ran Red Light
25042838	14	7.901	12/12/22	Mon	0757	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
24994694	15	7.901	09/21/22	Wed	1810	Rear-End	0	0	1	Night	Dry	Followed too Closely
24994693	16	7.901	09/21/22	Wed	1800	Angle	0	2	0	Night	Dry	Ran Red Light
24895230	17	7.901	06/18/22	Sat	1245	Rear-End	0	0	1	Day	Dry	Followed too Closely
24995812	18	7.901	09/09/22	Fri	0920	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
24917941	19	7.901	05/03/22	Tue	1005	Angle	0	0	1	Day	Wet	Failed to Yield Right-Of-Way
89585640	20	7.902	03/29/22	Tue	0645	Rear-End	0	0	1	Night	Dry	Followed too Closely
25009081	21	7.908	10/08/22	Sat	2010	Sideswipe	0	0	1	Night	Dry	Failed To Keep In Proper Lane
24961508	22	8.028	07/09/22	Sat	2055	Sideswipe	0	0	1	Night	Dry	Failed To Keep In Proper Lane
24910871	23	8.041	03/26/22	Sat	1911	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
24895177	24	8.043	02/19/22	Sat	0535	Right-Turn	0	0	1	Night	Dry	Ran Stop Sign
24959957	25	8.043	08/09/22	Tue	2103	Sideswipe	0	0	1	Night	Dry	Failed To Keep In Proper Lane
25003752	26	8.047	09/22/22	Thu	2022	Rear-End	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
24995840	27	8.047	10/26/22	Wed	0740	Angle	0	0	1	Day	Dry	Ran Red Light
24995855	28	8.047	11/04/22	Fri	0645	Angle	0	2	0	Night	Dry	Failed to Yield Right-Of-Way
24883366	29	8.047	01/11/22	Tue	1557	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
88248370	30	8.047	09/14/22	Wed	0755	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
24971242	31	8.047	07/06/22	Wed	1813	Left-Turn	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
24961501	32	8.047	07/06/22	Wed	1545	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
24948324	33	8.047	05/28/22	Sat	1605	Rear-End	0	0	1	Day	Dry	Followed too Closely
25206882	34	8.047	06/10/22	Fri	1745	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
24948334	35	8.048	06/09/22	Thu	1630	Rear-End	0	0	1	Day	Wet	Followed too Closely
24936073	36	8.055	06/06/22	Mon	1411	Rear-End	0	0	1	Day	Dry	Followed too Closely
24936072	37	8.056	06/06/22	Mon	1322	Angle	0	3	0	Day	Dry	Failed to Yield Right-Of-Way
25052639	38	8.146	12/29/22	Thu	1645	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
25208490	39	8.385	07/14/22	Thu	1550	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
89563471	40	8.391	01/24/22	Mon	1400	Left-Turn	0	4	0	Day	Dry	Failed to Yield Right-Of-Way
24999059	41	8.398	10/18/22	Tue	1845	Angle	0	0	1	Night	Dry	Ran Red Light
25032210	42	8.398	11/22/22	Tue	1734	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
25042819	43	8.398	11/15/22	Tue	0900	Angle	0	1	0	Day	Dry	Ran Red Light
24884003	44	8.405	03/19/22	Sat	2235	Left-Turn	1	3	0	Night	Dry	Failed to Yield Right-Of-Way
25064698	45	8.432	12/21/22	Wed	1825	Rear-End	0	0	1	Night	Dry	Followed too Closely
25223555	46	8.436	11/01/22	Tue	0824	Rear-End	0	1	0	Day	Dry	Followed too Closely
25032191	47	8.500	11/08/22	Tue	1650	Sideswipe	0	0	1	Day	Wet	Failed To Keep In Proper Lane
25200190	48	8.515	05/17/22	Tue	1809	Rear-End	0	0	1	Day	Dry	Followed too Closely
25032201	49	8.518	11/16/22	Wed	1955	Angle	0	0	1	Night	Dry	Ran Red Light
24975035	50	8.518	07/04/22	Mon	0945	Angle	0	2	0	Day	Dry	Ran Red Light
25025465	51	8.518	10/13/22	Thu	2145	Rear-End	0	0	1	Night	Dry	Followed too Closely
24971291	52	8.519	08/28/22	Sun	1338	Left-Turn	0	0	1	Day	Dry	Disregarded other Road Markings
24986127	53	8.519	08/27/22	Sat	2054	Left-Turn	0	2	0	Night	Dry	Failed to Yield Right-Of-Way
25008018	54	8.519	11/06/22	Sun	1305	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
25052608	55	8.519	11/29/22	Tue	1525	Angle	0	0	1	Day	Dry	Ran Red Light
89573048	56	8.520	02/10/22	Thu	2110	Rear-End	0	0	1	Night	Dry	Followed too Closely
25049753	57	8.521	12/15/22	Thu	0650	Left-Turn	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
24898542	58	8.523	07/16/22	Sat	1247	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
24896554	59	8.528	03/26/22	Sat	0235	Sideswipe	0	0	1	Night	Dry	Failed To Keep In Proper Lane
89577530	60	8.556	10/11/22	Tue	1848	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
24904990	61	8.661	04/10/22	Sun	1945	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
25025467	62	8.704	10/14/22	Fri	2240	Rear-End	0	0	1	Night	Dry	Followed too Closely
24880771	63	8.718	01/04/22	Tue	2204	Rear-End	0	0	1	Night	Dry	Followed too Closely
24924776	64	8.718	05/28/22	Sat	2325	Tree (Standing)	0	0	1	Night	Dry	Swerved Or Avoided
24904979	65	8.723	04/01/22	Fri	2000	Rear-End	0	0	1	Night	Dry	Followed too Closely
24883385	66	8.747	01/21/22	Fri	1721	Rear-End	0	0	1	Night	Dry	Followed too Closely
24997812	67	8.749	09/01/22	Thu	2002	Rear-End	0	0	1	Night	Dry	Followed too Closely
25025483	68	8.751	10/31/22	Mon	0555	Rear-End	0	0	1	Night	Dry	Followed too Closely
25064708	69	8.751	12/25/22	Sun	1449	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
24895193	70	8.751	04/03/22	Sun	0525	Sideswipe	0	4	0	Night	Dry	Improper Passing
24959938	71	8.757	06/17/22	Fri	1535	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
24910887	72	8.759	04/26/22	Tue	2048	Rear-End	0	0	1	Night	Dry	Followed too Closely
25035631	73	8.760	11/30/22	Wed	1851	Rear-End	0	0	1	Night	Dry	Followed too Closely
24895215	74	8.760	05/26/22	Thu	0720	Sideswipe	0	2	0	Day	Dry	Failed To Keep In Proper Lane
89581903	75	8.760	01/24/22	Mon	1300	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
89581907	76	8.760	01/27/22	Thu	0759	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
24937427	77	8.760	06/05/22	Sun	2236	Left-Turn	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
25005619	78	8.760	10/21/22	Fri	2110	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
25029522	79	8.760	10/13/22	Thu	1955	Sideswipe	0	0	1	Night	Wet	Failed To Keep In Proper Lane
25221558	80	8.760	10/16/22	Sun	1810	Rear-End	0	0	1	Day	Dry	Followed too Closely
24378850	81	8.760	01/09/22	Sun	1319	Angle	0	0	1	Day	Wet	Ran Red Light
24883393	82	8.760	01/29/22	Sat	1944	Rear-End	0	0	1	Night	Dry	Followed too Closely
25212636	83	8.760	08/02/22	Tue	1730	Pedalcycle	0	1	0	Day	Dry	Failed to Yield Right-Of-Way

State of Florida Department of Transportation
CRASH SUMMARY

SECTION: **87002000** STATE ROUTE: **823**

ROADWAY LIMITS: **SR 823 NW 57 Ave from S of NW 186 Street to S of HEFT** M.P. **7.752** TO **9.399** ENGINEER: **FDOT D6**

STUDY PERIOD: FROM **1/ 2022** TO **12/ 2022** COUNTY: **Miami-Dade**

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
25042983	84	8.760	11/19/22	Sat	1855	Left-Turn	0	2	0	Night	Dry	Failed to Yield Right-Of-Way
25009054	85	8.760	09/09/22	Fri	1705	Rear-End	0	0	1	Day	Dry	Followed too Closely
25009055	86	8.760	09/09/22	Fri	1655	Sideswipe	0	0	1	Day	Dry	Disregarded other Road Markings
25002818	87	8.760	09/09/22	Fri	1610	Rear-End	0	5	0	Day	Dry	Followed too Closely
25002082	88	8.760	09/20/22	Tue	2154	Left-Turn	0	3	0	Night	Dry	Failed to Yield Right-Of-Way
25215042	89	8.760	08/15/22	Mon	1745	Rear-End	0	0	1	Day	Wet	Followed too Closely
89594845	90	8.760	12/07/22	Wed	1951	Rear-End	0	0	1	Night	Dry	Followed too Closely
24992148	91	8.760	09/15/22	Thu	2139	Left-Turn	0	0	1	Night	Wet	Failed to Yield Right-Of-Way
24938220	92	8.760	04/05/22	Tue	1110	Rear-End	0	0	1	Day	Dry	Followed too Closely
24951151	93	8.760	07/18/22	Mon	1600	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
25049743	94	8.760	12/05/22	Mon	1000	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
24995861	95	8.760	11/07/22	Mon	0755	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
25052625	96	8.760	12/12/22	Mon	1830	Sideswipe	0	0	1	Night	Dry	Disregarded other Road Markings
25052628	97	8.760	12/17/22	Sat	1430	Rear-End	0	0	1	Day	Dry	Followed too Closely
25052632	98	8.760	12/19/22	Mon	1340	Angle	0	0	1	Day	Dry	Ran Red Light
24948323	99	8.760	05/26/22	Thu	2130	Left-Turn	0	2	0	Night	Dry	Failed to Yield Right-Of-Way
24954789	100	8.969	05/20/22	Fri	0035	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
89563474	101	8.760	01/28/22	Fri	1830	Rear-End	0	0	1	Night	Dry	Followed too Closely
25032207	102	8.762	11/21/22	Mon	1720	Rear-End	0	0	1	Night	Dry	Followed too Closely
24999954	103	8.775	10/09/22	Sun	0724	Rear-End	0	1	0	Night	Dry	Followed too Closely
85540091	104	8.969	11/15/22	Tue	1555	Rear-End	0	1	0	Day	Dry	Followed too Closely
24883372	105	8.843	01/12/22	Wed	1813	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
25227774	106	8.989	11/20/22	Sun	1350	Rear-End	0	1	0	Day	Wet	Followed too Closely
24904960	107	9.269	02/24/22	Thu	1530	Sideswipe	0	3	0	Day	Dry	Improper Passing
24975036	108	0.542	07/07/22	Thu	2115	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
25216185	109	0.884	09/01/22	Thu	1728	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
24378176	110	0.885	01/05/22	Wed	0730	Rear-End	0	0	1	Day	Dry	Followed too Closely
25230439	111	0.887	12/08/22	Thu	1328	Left-Turn	0	1	0	Day	Dry	Careless or Negligent Manner
25227201	112	0.887	11/12/22	Sat	1537	Angle	0	0	1	Day	Dry	Careless or Negligent Manner
25225575	113	0.887	11/21/22	Mon	1938	Left-Turn	0	0	1	Night	Wet	Failed to Yield Right-Of-Way
25212034	114	0.887	07/26/22	Tue	1219	Right-Turn	0	0	1	Day	Wet	Failed to Yield Right-Of-Way
24917940	115	0.887	05/03/22	Tue	0815	Left-Turn	0	0	1	Day	Wet	Failed to Yield Right-Of-Way
24938240	116	0.897	05/16/22	Mon	0855	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
25207713	117	0.897	06/18/22	Sat	1935	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
25211280	118	0.000	08/12/22	Fri	1056	Right-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
89585605	119	0.009	02/02/22	Wed	0730	Angle	0	1	0	Day	Dry	Ran Red Light
24938259	120	0.009	06/28/22	Tue	1310	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
24976044	121	0.009	07/07/22	Thu	1245	Left-Turn	0	0	1	Day	Dry	Improper Turn
24948343	122	0.009	06/21/22	Tue	1620	Angle	0	1	0	Day	Dry	Ran Red Light
24396045	123	0.009	03/20/22	Sun	0443	Angle	0	0	1	Night	Dry	Ran Red Light
89573049	124	0.045	02/14/22	Mon	1510	Rear-End	0	0	1	Day	Dry	Followed too Closely
25218304	125	0.049	10/14/22	Fri	1311	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
25221696	126	0.000	10/17/22	Mon	2000	Angle	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
25043661	127	0.000	11/22/22	Tue	0755	Rear-End	0	0	1	Day	Wet	Followed too Closely
24927004	128	0.011	04/25/22	Mon	1215	Rear-End	0	0	1	Day	Dry	Followed too Closely
24904998	129	0.011	05/03/22	Tue	1715	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner

	Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
	129	**1**	**34**	**95**	**51**	**0**	**25**	**25**	**3**	**22**	**1**	**1**	**0**	**1**	**0**	**0**
	Percent	*0.78%*	*26.36%*	*73.64%*	*39.53%*	*0.00%*	*19.38%*	*19.38%*	*2.33%*	*17.05%*	*0.78%*	*0.78%*	*0.00%*	*0.78%*	*0.00%*	*0.00%*

	Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/ Aggress	Ran off Road	DUI	Wrong Way
	Total	**75**	**54**	**15**	**114**	**11**	**36**	**1**	**14**	**0**	**2**	**4**	**0**	**0**	**0**	**0**
	Percent	*58.14%*	*41.86%*	*11.63%*	*88.37%*	*8.53%*	*27.91%*	*0.78%*	*10.85%*	*0.00%*	*1.55%*	*3.10%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*

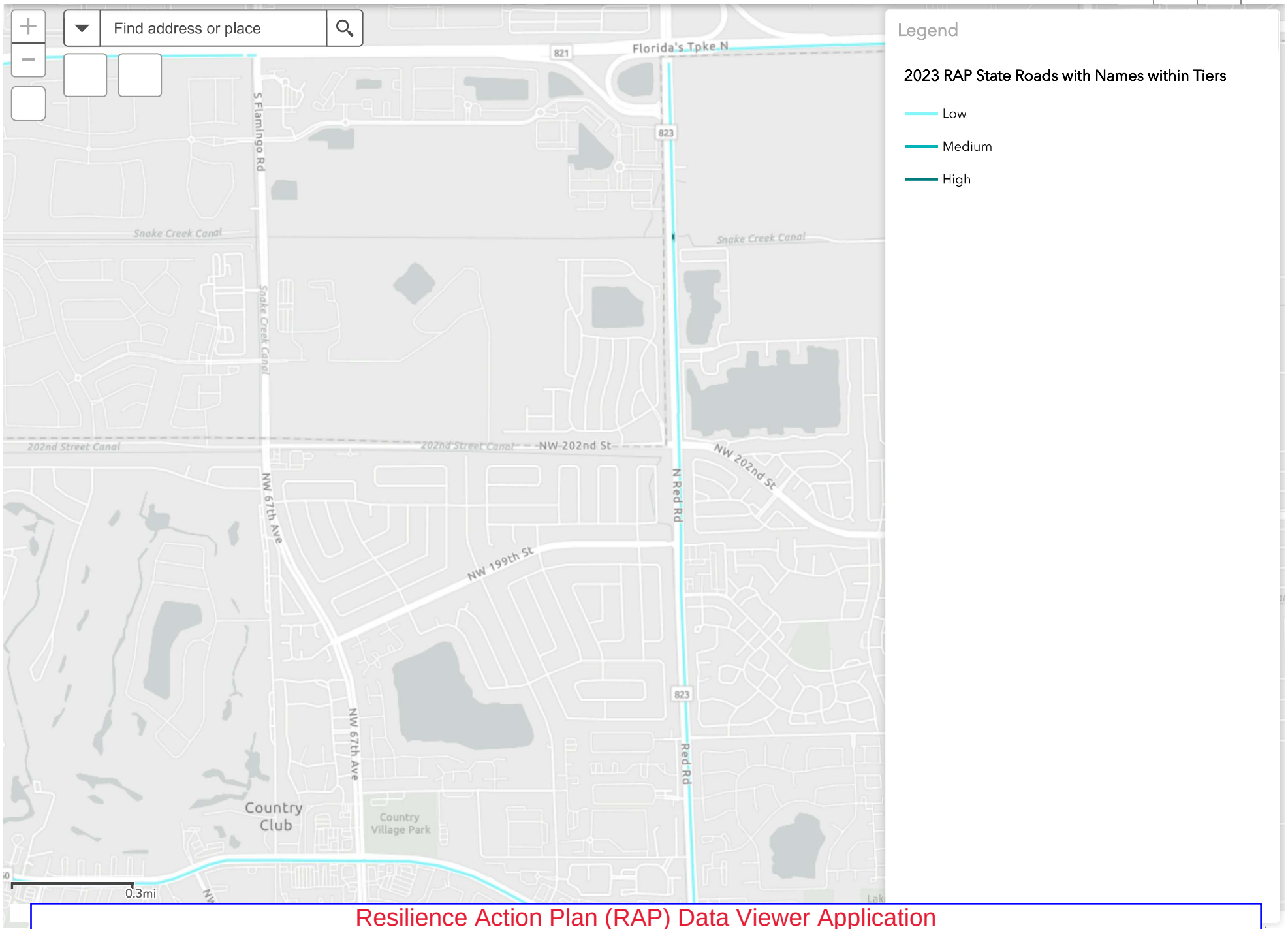
TOTAL ENTERING VEHICLES/ADT: **42,323**

SEGMENT CRASH RATE: **4.166** CRASHES PER MILLION VEHICLE MILES

APPENDIX J

Project Resiliency Vulnerability Map

Resilience Action Plan (RAP) Data Viewer Application



Resilience Action Plan (RAP) Data Viewer Application
(https://gis.fdot.gov/arcgisportal/apps/webappviewer/index.html?id=65f9ba0016a74039b264e1df1b1994f9)

Florida Department of Environmental Protection

Statewide Vulnerability Assessment

SVA Map Viewer

STATE VULNERABILITY ASSESSMENT TOOL / SLIP STUDY TOOL-
SEA LEVEL IMPACT PROJECTION
(https://prodapps.dep.state.fl.us/orcp-sva/)

v: *None* | Recenter View | Zoom to Fit | Clear View

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Layers

Topography Layers

- Digital Elevation Models (USGS)
- Elevation Certificates

Land Use & Other Features

- SLIP Reports

Critical Asset Layers

- Critical Infrastructure
- Critical Community and Emergency Facilities
- Natural, Cultural, and Historical Resources
- Transportation and Evacuation Routes
- Locally Provided Assets

Modeling Layers

- Sea Level Rise (SLR)

Sea Level Rise

10
9
8
7
6
5 ft
4
3
2
1
M
MHHW

PROJECT CORRIDOR

NO IMPACT ON ROAD DUE TO SEA LEVEL RISE (SLR) BY +5 FT.

Florida's Tpke S
821
823
NW 57th Ave
S Flamingo Rd
5th Dr
7th St
SW 45th Pl
7th St
NW 200th St
NW 199th Ter
NW 59th Pl
NW 61st Ave
NW 62nd Ct
W Saint Andrews Dr
E Saint Andrews Dr
Bobolink Dr
NW 67th Ave
NW 67th Pl
NW 64th Ct
NW 191st Ter
NW 191st St
NW 190th St
NW 195th
NW 53rd Ave
NW 55th Ave
Red Rd
Country Club
Village Park

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Florida Department of Environmental Protection

Statewide Vulnerability Assessment

SVA Map Viewer

STATE VULNERABILITY ASSESSMENT TOOL / SLIP STUDY TOOL- SEA LEVEL IMPACT PROJECTION (https://prodapps.dep.state.fl.us/orcp-sva/)

: None | Recenter View | Zoom to Fit | Clear View

l Views

Map

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on Filters

SLIP Reports

Critical Asset Layers

- Critical Infrastructure
- Critical Community and Emergency Facilities
- Natural, Cultural, and Historical Resources
- Transportation and Evacuation Routes
- Locally Provided Assets

Modeling Layers

- Sea Level Rise (SLR)
- Areas at Risk from Sea Level Rise
- Flood Zones
- High Tide Flooding
- Wildlife Index
- Wind Zones

PROJECT CORRIDOR

NO IMPACT ON ROAD DUE TO HIGH TIDE FLOODING

Florida's Tpke S | SW 42nd St | SW 43rd Pl | SW 45th Dr | SW 47th St | Bass Creek Rd | Somerset Blvd | SW 45th Pl | SW 47th St | NW 204th St | NW 202nd St | NW 201st St | NW 200th St | NW 199th Ter | NW 199th St | NW 191st Ter | NW 191st St | NW 190th St | NW 188th St | NW 186th St | Country Club | Country Village Park | Augusta Dr | NW 67th Ave | NW 57th Ave | NW 52nd Ct | NW 52nd Ave | NW 53rd Ave | NW 55th Ave | NW 55th Ct | NW 59th Pl | NW 62nd Ct | NW 61st Ave | NW 64th Ct | NW 67th Pl | W Saint Andrews Dr | E Saint Andrews Dr | Bobolink Dr | Polk St | SW 115th Ave | SW 113th Ave | 821 | 823

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