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Truck Turning Radii Phase III & IV Report

FDOT District Six: Modal Office
District Freight & Grants Coordinator

July 2024

FDOT DISTRICT SIX

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List of Acronyms

AADT – Annual Average Daily Traffic
ASSHTO – American Association of State Highway Transportation Officials
DSC – District Scoping Committee
FDOT – Florida Department of Transportation
HCL – High Crash List
MDC – Miami Dade County
NHFN – National Highway Freight Network
LOS – Level of Service
PM – Project Manager
SHS – State Highway System
SIS – Strategic Intermodal System
THCL – Truck High Crash List
TMC – Turning Movement Counts

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1.0 Introduction

Given that Miami-Dade County is a densely populated area heavily relying on the movement of goods to support its population through truck trips, the *Truck Turning Radii Assessment* objective is to improve safety and mobility for trucks along the network in Miami-Dade County (MDC) by identifying deficient roadway intersections along the State Highway System (SHS) and prioritizing the most critical intersections for improvements. This process consists of four (4) Phases, each with its own purpose and goal for meeting the objective to improve both freight mobility and safety throughout District Six. The initial *Methodology Report* for this effort was submitted on February 1, 2019.

In *Phase I*, each intersection was scored based on Annual Average Daily Traffic (AADT), truck percentage, Level of Service (LOS), designation as a Strategic Intermodal System (SIS) or truck route, crash history, and congestion intensity (bottleneck analysis). A total of 1,177 signalized intersections were analyzed with the top 165 ranked intersections being identified as the most critical intersections to be further examined for prioritization.

In *Phase II*, the top 165 intersections were further assessed through Auto-Turn analysis, field review, and Turning Movement Counts (TMCs) which included trucks, bicycle and pedestrian movements. This process refined the critical locations down to 96, which were ranked and prioritized based on the intensity of truck related damages observed in field reviews and vehicular truck traffic conflicts obtained through TMC counts. The top 50 intersections (52 in total based on tied ranked intersections) were then selected as the most critical intersections to be further analyzed for concept plan development and improvement recommendations.

For a more comprehensive review of *Phase I* and *Phase II* process, refer to *Truck Turning Radii Study: An Assessment of Urban intersection for Freight Improvement*, presented to the Florida Department of Transportation (FDOT) District Six on August 13, 2021.

Phases III and *IV* were developed as a response to the time between February 2019 and January 2023, in which the Covid-19 pandemic was believed to have affected the movement of freight throughout the district. Thus, *Phase III*, a re-assessment and verification of previously collected data was performed for the 165 intersections determined in Phase I. This verification included updates to the latest high crash list, high truck crash list, and designated State Freight Routes, and field review including TMCs for newly added locations. The final top 52 intersections were

still the most critical on the roadway network. During this phase, 10 additional locations were added to culminate into the final 62 locations.

The last step, *Phase IV,* was conducted to develop improvements for each of the critical signalized intersections. The final 62 intersections were analyzed against the current FDOT Work Program for the potential to include the proposed improvements into existing and programmed FDOT projects. Intersections within existing projects' limits were assigned priority and the respective FDOT Project Managers (PMs) were contacted to assess the potential to include. Intersections without an active FDOT project were to become part of a stand-alone improvement project. Conceptual designs and cost estimates were developed for each critical intersection to provide an overview of the improvement and its total cost. The inclusion of the proposed improvements within the current Work Program to enhance truck safety and mobility was ongoing as of the date this report was prepared.

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2.0 Overview of Phases I & II

An assessment of the critical signalized intersections was performed following the procedure outlined in the *Methodology Report of the Truck Turning Radii Study: An Analysis of Urban Intersection for Freight Movement.* The report was provided to Florida Department of Transportation (FDOT) District Six on February 1, 2019, and approved in 2020. The approved methodology report is provided in **Appendix A** for reference. To determine freight critical signalized intersections with turning radii deficiencies, the evaluation was initially divided into two phases.

2.1 PHASE I INITIAL ASSESSMENT OF SIGNALIZED INTERSECTIONS

A set of applicable criteria were gathered and used in filtering all roadways within the State Highway System (SHS) within Miami-Dade County (MDC). These criteria included:

- Roadways within MDC Freight Network.
- Annual Average Daily Traffic (AADT).
- Truck Percent (T24).
- Generalized Level of Service (LOS).
- Documented critical crash locations.
- Documented high truck crash related locations.
- Bottleneck segments.

Other criteria taken into consideration but not incorporated into the core methodology included posted speed limit, functional classification, and number of through lanes. In total, 1,177 signalized intersections within MDC were evaluated. This value did not include MDC Bus Lanes or intersections off the SHS.

Following the data collection, a method of scoring and prioritization for each data criterion was developed to assess which intersections yielded the highest concerns for trucks safety and mobility. ***Table 1*** shows the scoring criteria used in the methodology.

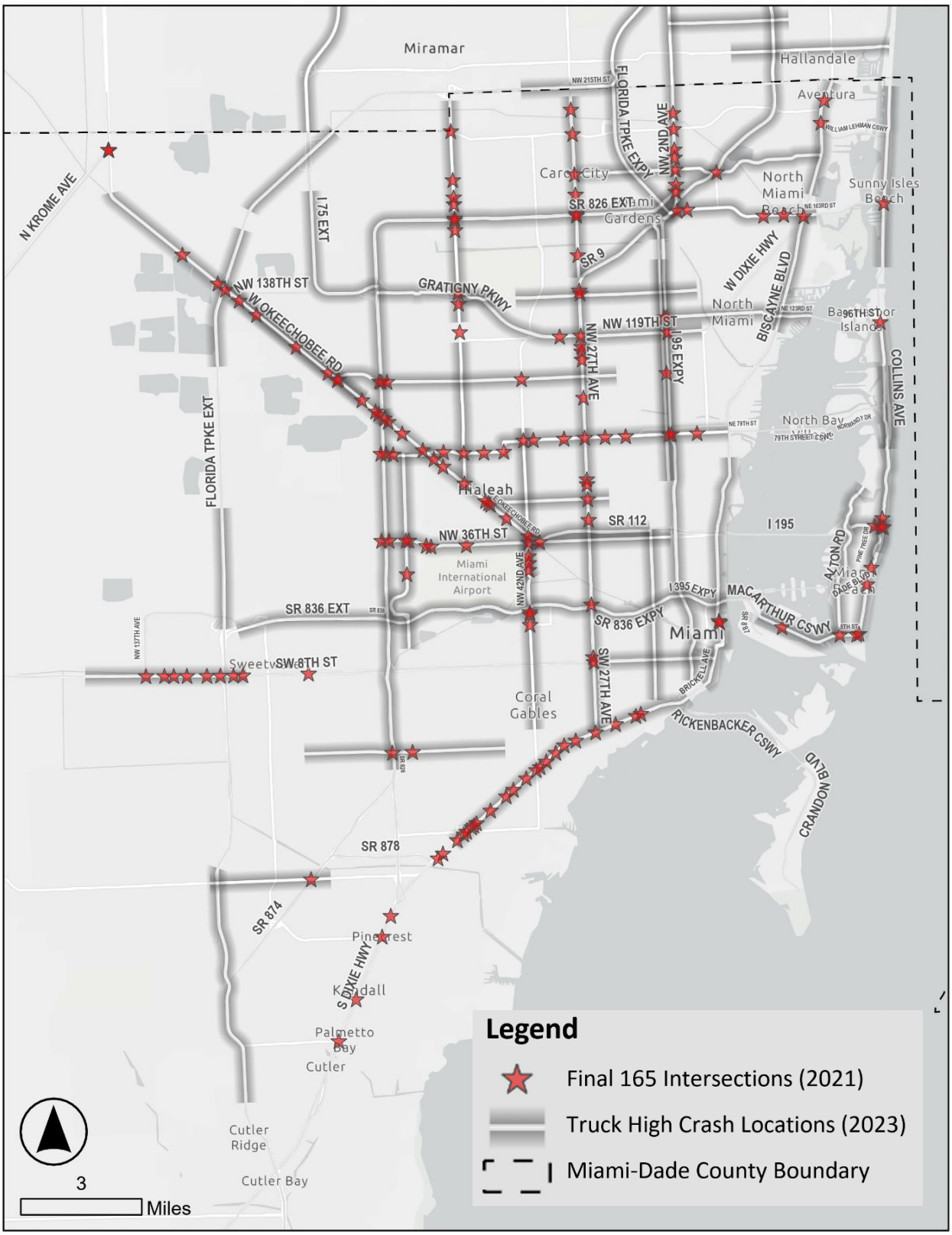
Table 1: Freight Network Scoring Criteria

Score	Within Miami-Dade Freight Network?	Potential Truck Route	AADT	Truck %	Intersection LOS	Crash Rating	Heavy Truck Crash List	Bottleneck Segment
10	Yes		> 99,999	> 19.9%		>2,999	Yes	Yes
9			99,999 – 90,000	19.9% - 18%		2,999 – 2,700		
8			89,999 – 80,000	17.9% - 16%		2,699 – 2,400		
7			79,999 – 70,000	15.9% - 14%		2,399 – 2,100		
6			69,999 – 60,000	13.9% - 12%		2,099 – 1,800		
5		Yes	59,999 – 50,000	11.9% - 10%	F	1,799 – 1,500		
4			49,999 – 40,000	9.9% - 8%	E	1,499 – 1,200		
3			39,999 – 30,000	7.9% - 6%	D	1,1999 – 900		
2			29,999 – 20,000	5.9% - 4%	C	899 – 600		
1			19,999 – 10,000	3.9% - 2%	B	599, 300		
0	No	No	< 10,000	< 2%	A	< 300	No	No

Note: Based on the scoring criteria; the highest score possible is 65. For additional detail regarding each scoring criteria, please refer to ***Appendix A****.*

The results of the Phase I evaluation refined the number of critical intersections to 150. However, a total of 165 critical intersections resulted from the Phase I evaluation due to tied ranked intersections. A map of the 165 critical intersections screened in Phase I is shown in ***Figure 1***. **Appendix B** provides the 165 signalized intersections ranked accordingly.

Figure 1: Critical Freight Intersections Initial Screening (2021)



2.2 PHASE II
DETERMINATION OF CRITICAL FREIGHT INTERSECTIONS

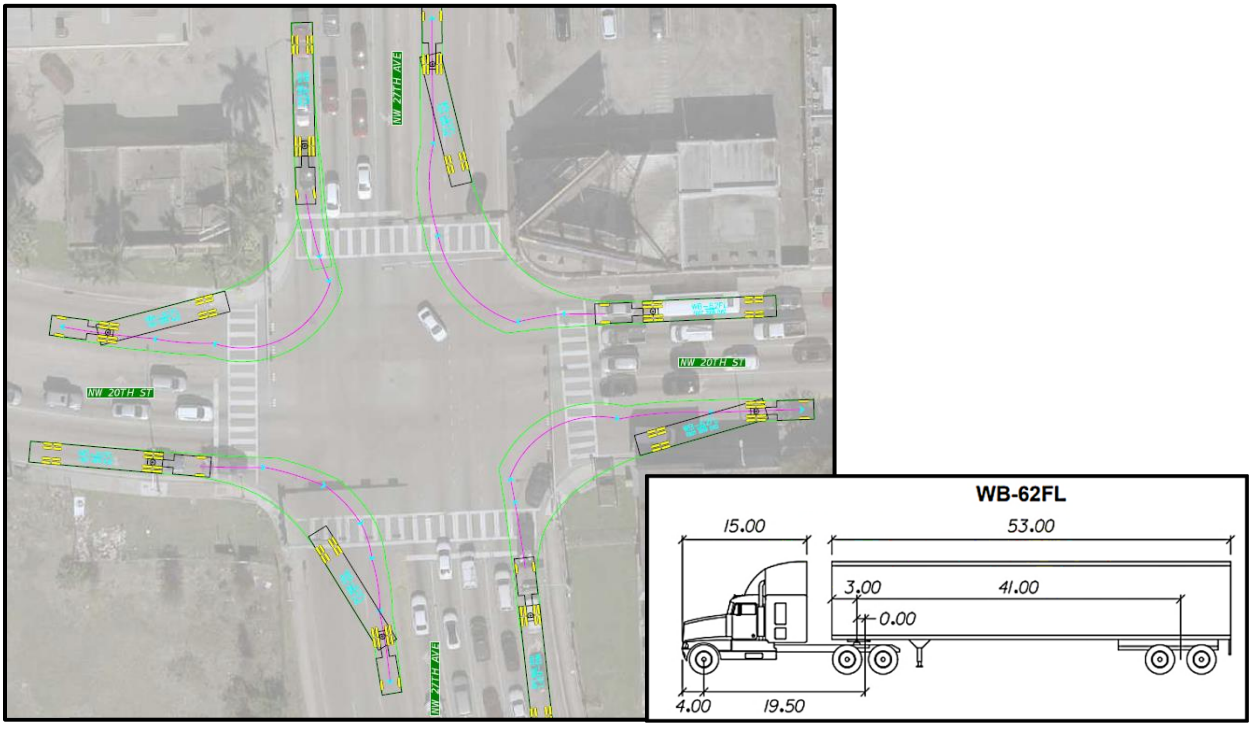
The goal of Phase II was to refine the 165 ranked intersections down to 50 to move forward onto the next phase. Thus, the 165 ranked intersections that were screened in Phase I were further analyzed and refined in Phase II based on the following processes:

- Desktop Review using Auto-Turn.
- On-going/future projects within FDOT Work Program.
- Field Review and Turn Movement Counts.

01| Desktop Review using Auto-Turn

A secondary assessment of each freight critical intersection was completed in-office by using the American Association of State Highway and Transportation Officials (AASHTO) truck turning templates, or Auto-Turn, to check the turning movement of the Florida design truck WB-62FL. The Auto-Turn reviews determined the existing roadway deficiencies at each critical signalized intersection. Auto-Turn analysis showed potential conflicts for truck movements for one or more quadrants in 96 out of 165 intersections. ***Figure 2*** below provides a depiction of Auto-Turn for reference as well as example of Florida design truck WB-62 FL for reference.

Figure 2: Auto-Turn and WB 62-FL Examples



02| On-going/Future Projects

The 96 intersections were cross-checked against ongoing and programmed improvements within FDOT District Six. Intersections already included in a recently completed, ongoing, or programmed project that addressed roadway deficiencies related to truck turning movements, were removed. Four intersections on the list were excluded from further analysis since the existing configuration will soon be modified addressing the deficiencies. The four improvement projects included:

- Asset ID=5211; NW 74 Street and NW 74 Avenue – covered by FM 436479-1
- Asset ID=5161; Okeechobee Road at SR-821 – covered by FM 435542-3
- Asset ID=6383; Okeechobee Road at NW 107 Avenue – covered by FM 443645-1
- Asset ID=4896; Okeechobee Frontage Road at NW 103 Street – covered by FM 423251-4

03| Field Review and Turn Movement Counts

The 92 freight critical intersections were assessed on-site, during the month of May in 2021. Observations included freight-related infrastructure impacts such as top-over curb, median, or sidewalk; damage to guardrails, landscaping, or ground-mounted signs; and impacts to vertical objects (i.e., signs, signal poles, etc.). A field review form was created to note observed damages, impact to vertical objects, and operational conflicts. A sample of the field review form is presented in ***Figure 3***. Pictures were taken to document observed deficiencies. Tire markings and topping over the curbs were the most common observed damages in the field reviews, while damage to landscaping and guardrails were the least common observed. Truck traffic (specifically counted for WB-62FL) and pedestrian/bicycles counts were collected at all 92 critical intersections between the months of May and June in 2021. Data collection included 2-hour Turning Movement Counts (TMC) during AM and PM peak periods.

04| Prioritization Matrix

Upon collecting field observation notes and performing TMCs, a prioritization matrix was developed to categorize all identified deficiencies in order of significance. In order to prioritize the intersections based on the collected data, the following steps were performed:

- Step 1: Intersection ranking based on field review.
- Step 2: Intersection ranking based on vehicular truck conflict.
- Step 3: Final ranking.

The final ranking was calculated by multiplying the ranks from step 1 and step 2 for each intersection. As the final step, the intersections were then ranked and prioritized based on their final score (the lowest intersection score is ranked #1). Thus, the final output became the top 50 critical signalized intersections (52 due to tied ranked intersections) for proceeding into Phase III. The prioritization steps between step 1, step 2, and step 3 are shown in ***Figure 4***.

Figure 3: Field Review Form

Asset ID #: ----------

Intersection: ----------

A----- Observed Damage:

- ❑ Guardrails
- ❑ Landscaping
- ❑ Ground-mounted signs
- ❑ Top-Over Curb
- ❑ Sidewalk
- ❑ Median

Comments: ----------

B ----- Impact to Vertical Objects:

- ❑ Signs
- ❑ Signal Poles
- ❑ Other (Specify in Comments)

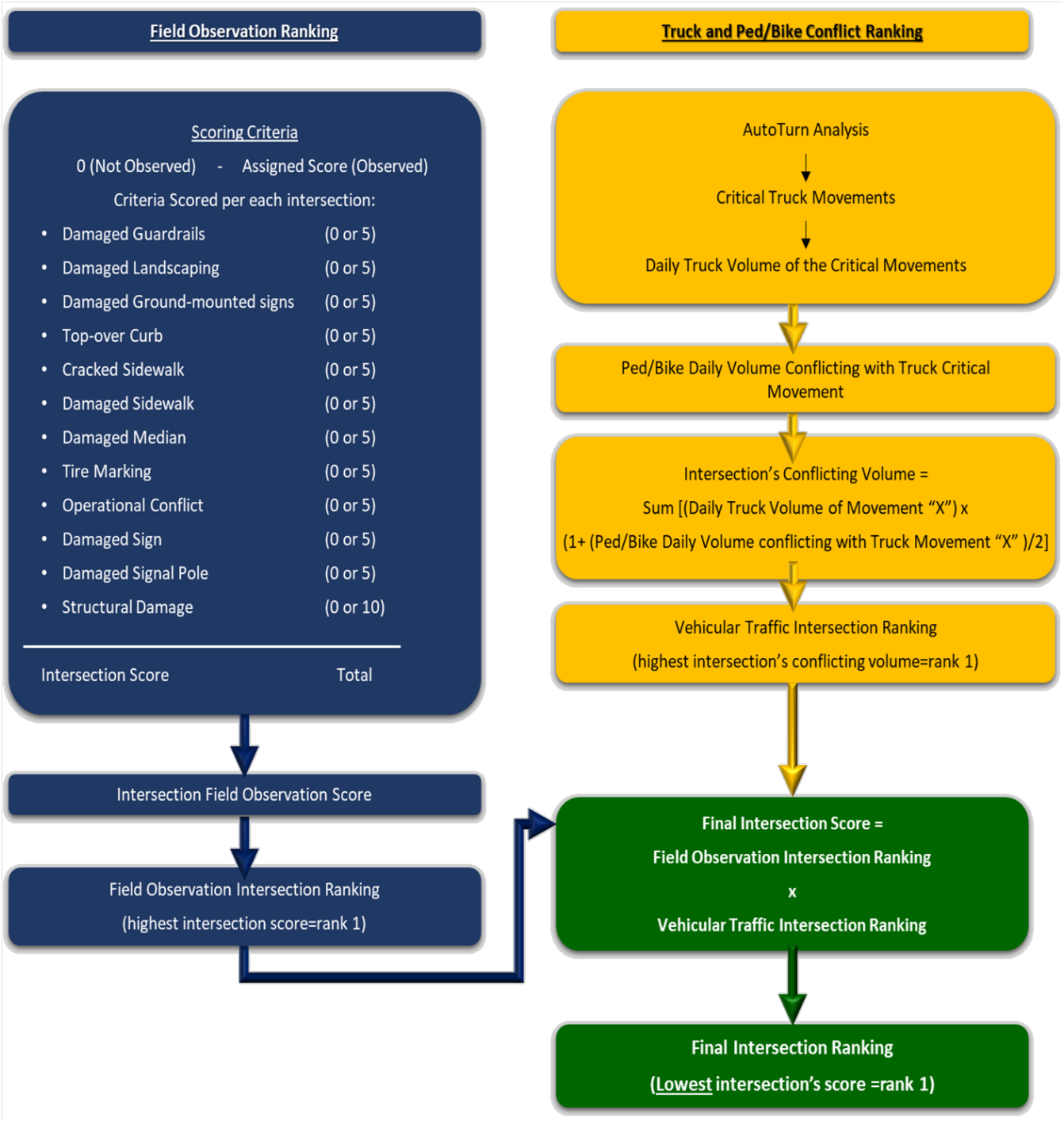
Comments: ----------

C ----- Operational Conflicts:

- ❑ Confirm/identify encroachment of trucks into adjacent lane(s)
- ❑ Are there any driveways/intersections on both the side street and main street that limit right-turn truck movements?
- ❑ Time to complete turns
- ❑ Any conflicts with traffic flow caused by trucks?

Comments: ----------

Figure 4: Final Prioritization Procedure



3.0 Phase III| Assessment of Critical Signalized Intersections

Phase III was developed as a response to the time between February 2019 and January 2023, in which the COVID-19 pandemic was believed to have affected the movement of freight throughout the district. Thus, a re-assessment and verification of previously collected data was performed for the pre-determined 165 intersections in Phase II. The final goal of this verification was to ensure that the final 52 critical signalized intersections which were a result of the analysis in Phase II were still the most critical locations. This verification included updating the dataset to the latest MDC signalized intersection list, high crash list, high truck crash list and latest National Highway Freight Network/Freight Route. In addition to the 52 critical intersections, this phase also included 10 new locations with field reviews and TMCs performed.

3.1 DETERMINATION OF CRITICAL SIGNALIZED INTERSECTIONS

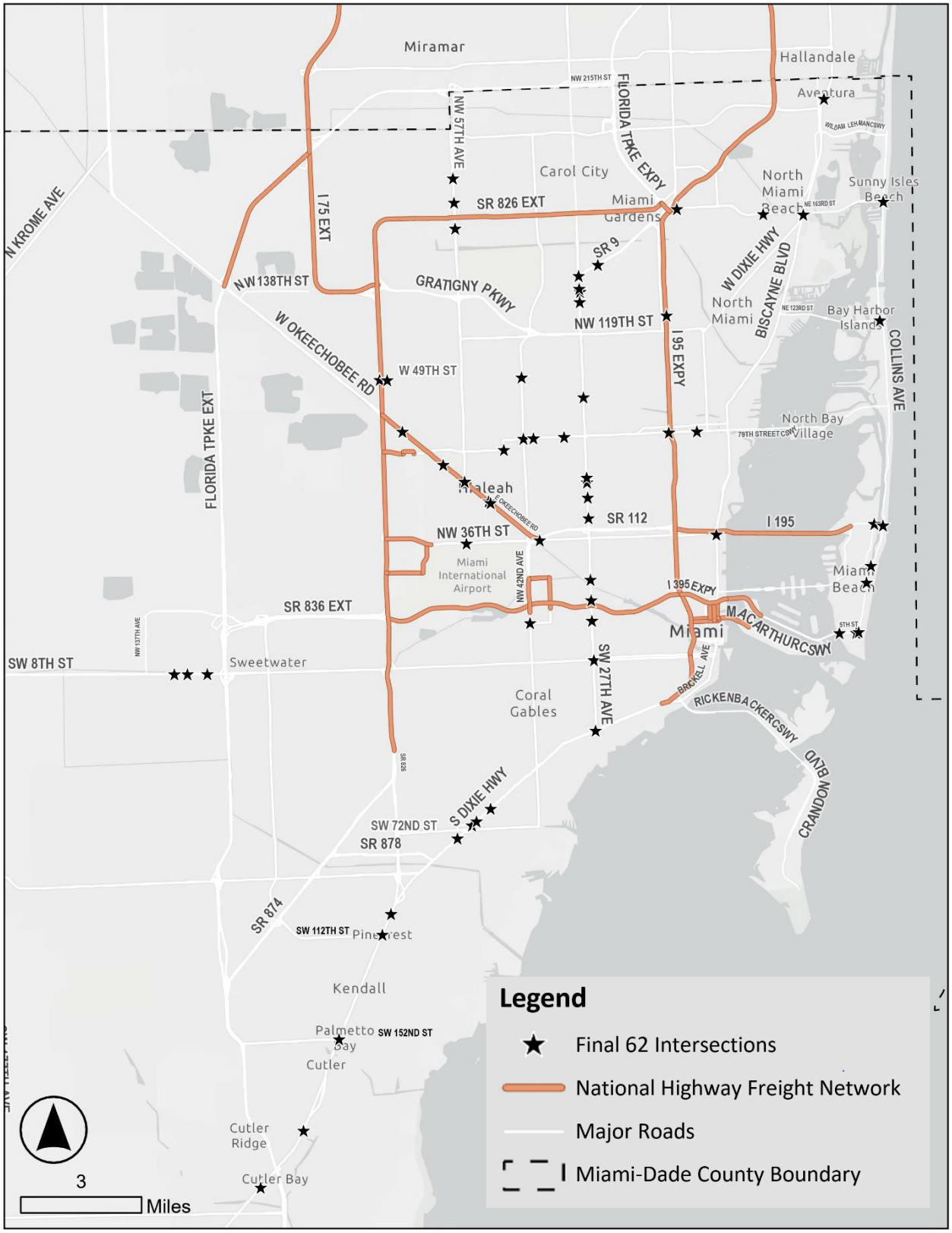
01| MDC Signal Asset Inventory

Step one of the validation processes was to obtain the latest 2023 Miami-Dade County Signal Asset Inventory and compare it against the 2021 inventory to ensure there were no new additions or removed assets between both years which would affect the top 165 list. Results of the comparison showed minimal changes to the original 1,177 reported signalized intersections, and furthermore, no changes to any of the top 165 critical intersections.

02| Miami-Dade Freight Network / National Highway Freight Network

The Miami-Dade Freight Network was updated from 2021 to 2023. Changes between the two years were observed to be minimal, with only a few additions to the network. Similarly, a new dataset, the National Highway Freight Network (NHFN), was added to the analysis. It was noted that the segments fell within the same Miami-Dade Freight Network routes upon overlaying the NHFN. Thus, to avoid assigning a high scoring weight to the intersections, only the Miami-Dade Freight Network was updated. ***Figure 5*** provides a visual overlay of the NHFN in relation to the final 62 critical intersections.

Figure 5: Intersections and NHFN



03| Crash Dataset

Validation of crash data was performed between the base year 2021 against the current year 2023 for each of the top 165 intersections. Crash data was validated using two (2) different sources:

a. Signal Four (Signal4) Analytics crash database.

b. State Safety Office (SSO) GIS crash database.

Previous and final results of reviewing the crash data yielded near identical outcomes after updating the number of crashes into the existing ranking system. Given the update in crash data had negligible to no effect on current top 165 ranking, it was determined that the original crash data in relation to the ranking set in 2021 was valid for continued use.

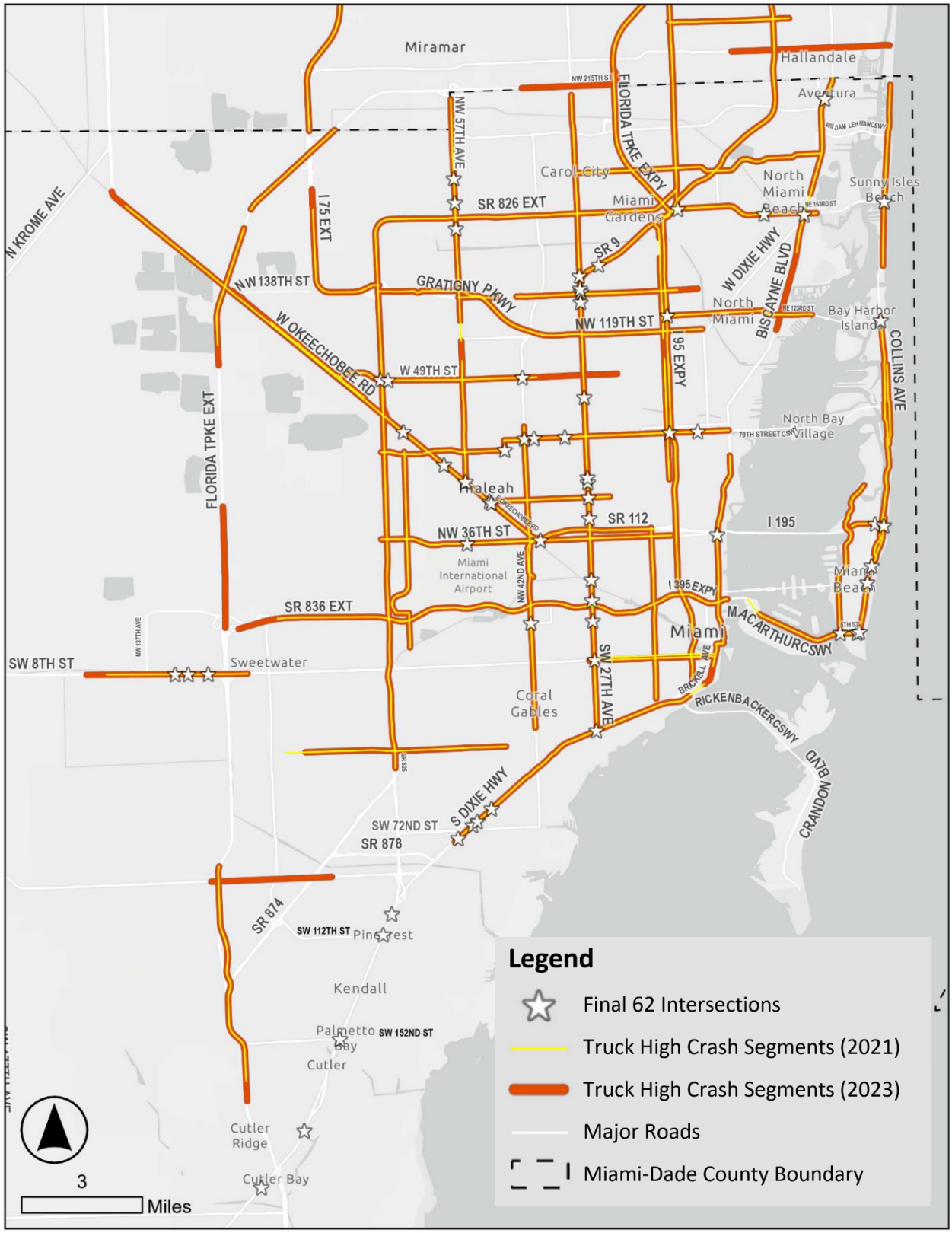
In addition to the crash data validation, the latest ***2023 Truck High Crash List*** (THCL) of segments was obtained and updated into the 2021 dataset. Similar to the crash data, results were negligible between the two years, with only two locations being affected on the top 165 intersections list.

- Signal 4140 (rank #148) was added to THCL, moved up on the top 165 list.
- Signal 3753 (rank #164) was removed from THCL, to be replaced from list.

Figure 6 provides a visual comparison of the 2021 vs. 2023 Heavy (Truck) High Crash List.

Due to the results of the analysis, it was concluded that work should move forward using the original top 165 intersections, as changes between the 2021 and 2023 data were determined to be insignificant. This conclusion was subsequently approved by District Six and validated the top 52 intersections which were moved forward to *Phase IV*.

Figure 6: 2021 vs 2023 Heavy (Truck) High Crash Segments Comparison



3.2 ADDITIONAL CRITICAL INTERSECTIONS

In addition to retaining the previous top 52 intersections, an additional 10 locations were included to be reviewed. ***Table 2*** summarizes these locations for review as provided by the Freight Unit (#1 through #10). The intersections provided by Freight Unit were primarily due to potential right turning truck issues occurring at or near reported damaged railroad crossings. Of the reported locations, some were already captured within the top 165 critical intersections list and therefore analyzed in *Phase II* (#1, #5, #9, and #10). Of these locations, only #6 was considered to be new. Thus, an additional 9 locations were obtained from the original 165 critical intersections ranked list and are presented as #11 through #19.

Based on coordination with the Freight teams' input, it was decided to advance 10 locations, #6 and #11 through #19, into *Phase IV*. These additions were subjected to TMC data collection, Auto-Turn, desktop review, field review, conceptual design and cost estimates. All data collection for these 10 locations is provided within their respective appendixes sorted by Signal ID. Segments not moved forward from the list include 2, 3, 4, 5, 7, 8, and 9 based on initial Auto-Turn review and/or ranking being too low. ***Figure 7*** depicts the location of the 10 additional intersections. A summary of the refinement of the 1,177 signalized intersections down to the final 62 critical intersections is provided in ***Figure 8***.

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Table 2: Additional Locations Analyzed

RR Crossings with Truck Turning Radii Issues											
#	RR Corridor	Location	Crossing #	Roadway Jurisdiction	Turning Movement with issues	Roadway ID	Signal MP	Signal ID	Top 165	Ranking	AutoTurn Deficient
1	FEC	NE 163rd Street West of US-1	272604	State	NB-L to WB, SB-R to WB	87030000	21.947	2010	Yes	60	Yes
2	FEC	NE 125th Street East of NE 14th Ave./NE 13th Pl.	272612	State	WB-R to NB, NB-R to EB	87066000	2.489	3488	No	611	No
3	FEC	NE 54th Street West of Federal Hwy.	272627	State	EB-R to SB, WB-R to NB NE 4th Ave.	87250000	5.794	2105	No	870	No
4	FEC	NE 36th Street West of Federal Hwy.	272633	State	SB Federal Hwy. to WB NE 36th St., WB 36th St. to NB NE 2nd Ave, SB-thru island	87090000	19.571	2098	No	868	No
5	FEC	Hialeah Expwy at West 8th Avenue	272748	State	NB-R to EB	87080900	32.683	3977	Yes	152	No
6	SFRTA	SR-9 at NW 22nd Avenue	628320	State	WB-R to NB, EB-L to NB	87240000	11.809	2981	No	187	Yes
7	SFRTA	NW 27th Avenue at NW 23rd Street	628406	State	SB-L to EB, WB-L to SB (both movements are prohibited but drivers are still making them)	87240000	4.064	6964	No	565	No
8	SFRTA	NW 57th Avenue at Perimeter Rd.	628507	State	NB-R to EB, EB-R to SB	87062000	5.598	3957	No	919	No
9	CSX	Bird Road at NW 72nd Avenue	631070	State	EB-L to NB, NB-L to WB, EB-R to SB	87044000	4.696	3325	Yes	145	No
10	CSX	Kendall Drive at SR-874	631081	State	EB-R to SB On-Ramp	87001000	8.012	4140	Yes	148	Yes
Additional Intersections Recommended to Analyze											
11	NA	NW 27 Av & NW 132 St	NA	State	To be analyzed in Autoturn	87240000	10.653	4545	No	166	Yes
12	NA	NW 27 Av & NW 95 St -W leg	NA	State	To be analyzed in Autoturn	87240000	8.282	6498	No	168	Yes
13	NA	US-1 & Quail Roost Dr	NA	State	To be analyzed in Autoturn	87020000	13.796	2994	No	171	Yes
14	NA	NW 27 Av & North River Dr & NW 20 St	NA	State	To be analyzed in Autoturn	87240000	3.744	2404	No	172	Yes
15	NA	NW 27 Av & NW 7 St	NA	State	To be analyzed in Autoturn	87240000	2.722	2333	No	174	Yes
16	NA	NW 27 Av & Burlington St & SR- 9 SB	NA	State	To be analyzed in Autoturn	87019000	0.178	6162	No	176	Yes
17	NA	SR- 9 & NW 22 Av	NA	State	To be analyzed in Autoturn	87240000	11.809	2981	No	187	Yes
18	NA	US-1 & SW 112 Av	NA	State	To be analyzed in Autoturn	87015000	3.032	3649	No	190	Yes
19	NA	NW 27 Av & NW 14 St	NA	State	To be analyzed in Autoturn	87240000	3.231	2378	No	191	Yes

Included from Before
New Intersections Analyzed
Removed from Analysis

Figure 7: Additional 10 Critical Intersection Locations

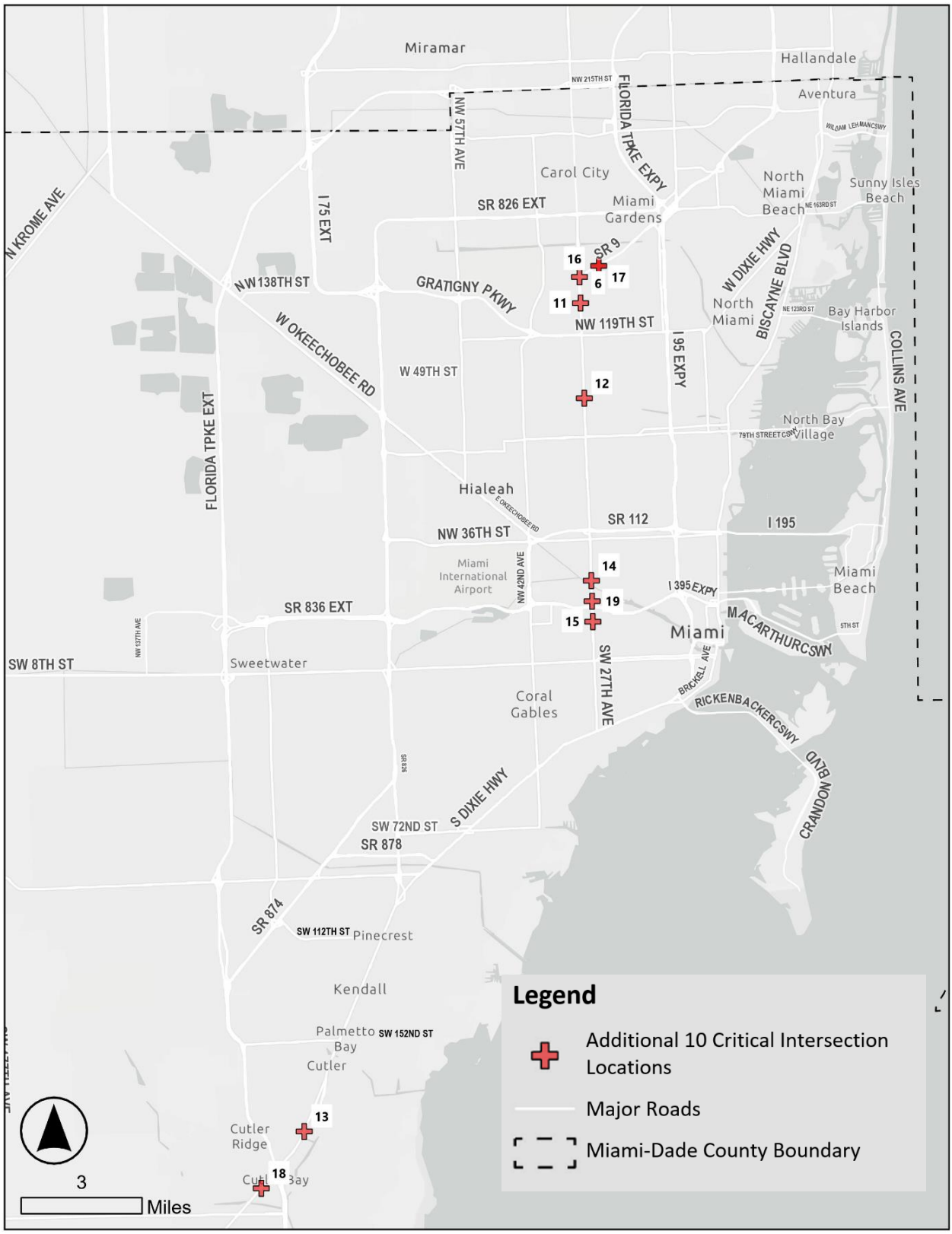
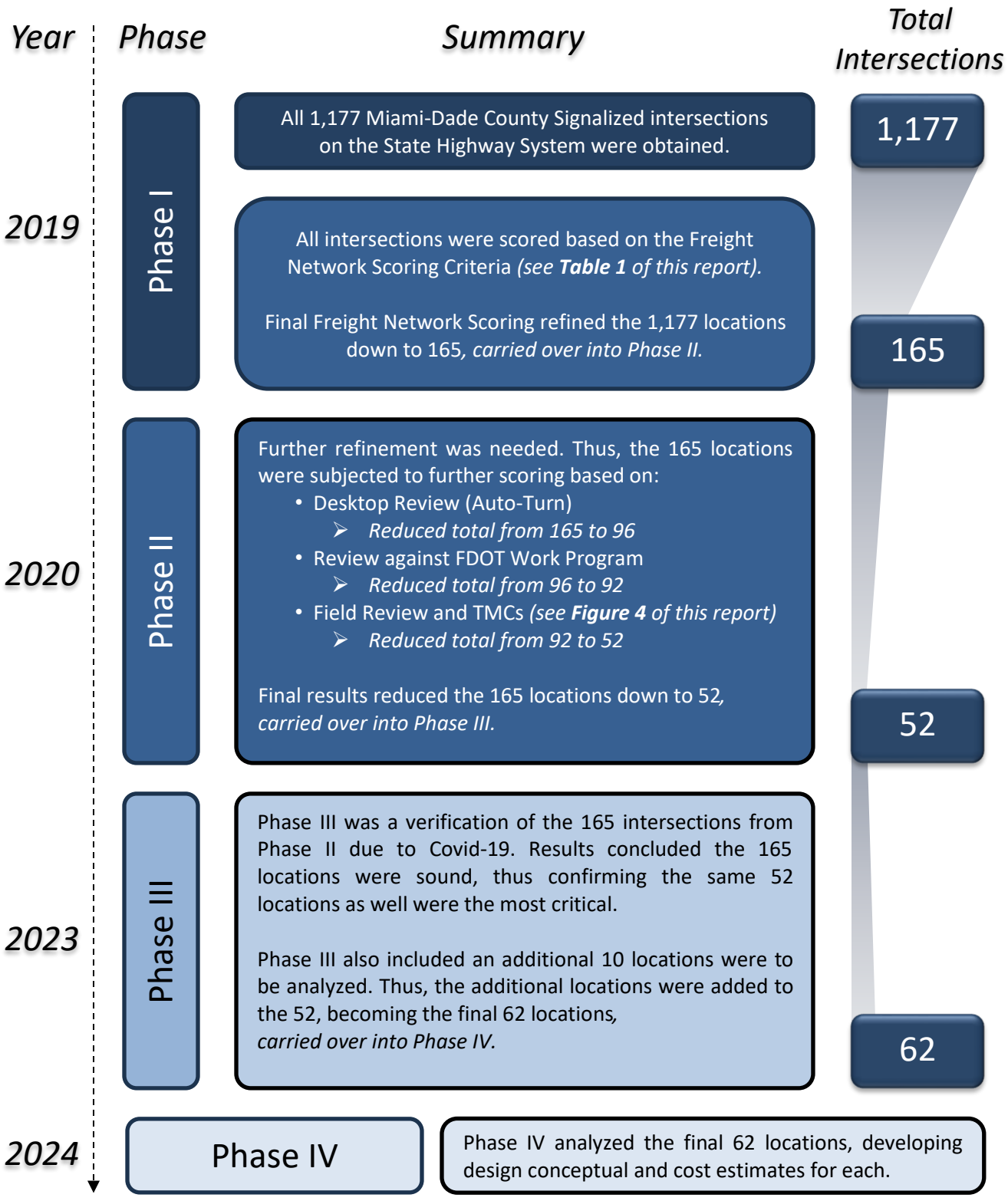


Figure 8: Phase I - IV Intersection Refinement Summary



01| Final Ranked Critical Intersections

The final top 62 critical intersections are provided in ***Table 3***, sorted by Signal ID, with a map of each Signal ID location shown in ***Figure 9***. The final full list of all 62 locations can also be found in **Appendix C** with more details provided.

02| Desktop, Auto-Turn and Field Reviews

Desktop and field reviews were performed for the 10 additional locations added to the top 52 critical signalized intersections list. As part of the desktop review, Auto-Turn analysis was performed with depictions provided in **Appendix D**. The field review form as seen in ***Figure 3*** in Phase II was used, following the same guidelines and process as described in Phase II. Field review forms for the additional locations are provided in **Appendix E**.

03| Turning Movement Count (TMCs) Data Collection

Data collection for the 10 new locations included collected 2-hour Turning Movement Counts (TMCs) during AM and PM peak periods at each specific critical intersection, including truck traffic and pedestrians/bicycles counts. TMC data collection is provided in **Appendix F**.

04| Conceptual Design and Cost Estimates

All conceptual design and cost estimates developed for proposed roadway improvements included an evaluation of compliance considering current intersection design criteria as per the latest FDOT Design Manual, FDOT Design Standards and Indexes, and AASHTO criteria. It is important to note that the concepts and cost estimates while having considered potential utility and right-of-way impacts provide only a general overview for each of the 62 locations. For a more accurate impact on right-of-way and cost estimate each location would require a more individualized in-depth analysis equivalent to 30% design submittal. Concepts with cost estimates for each of the 62 critical intersections can be found in **Appendix G**.

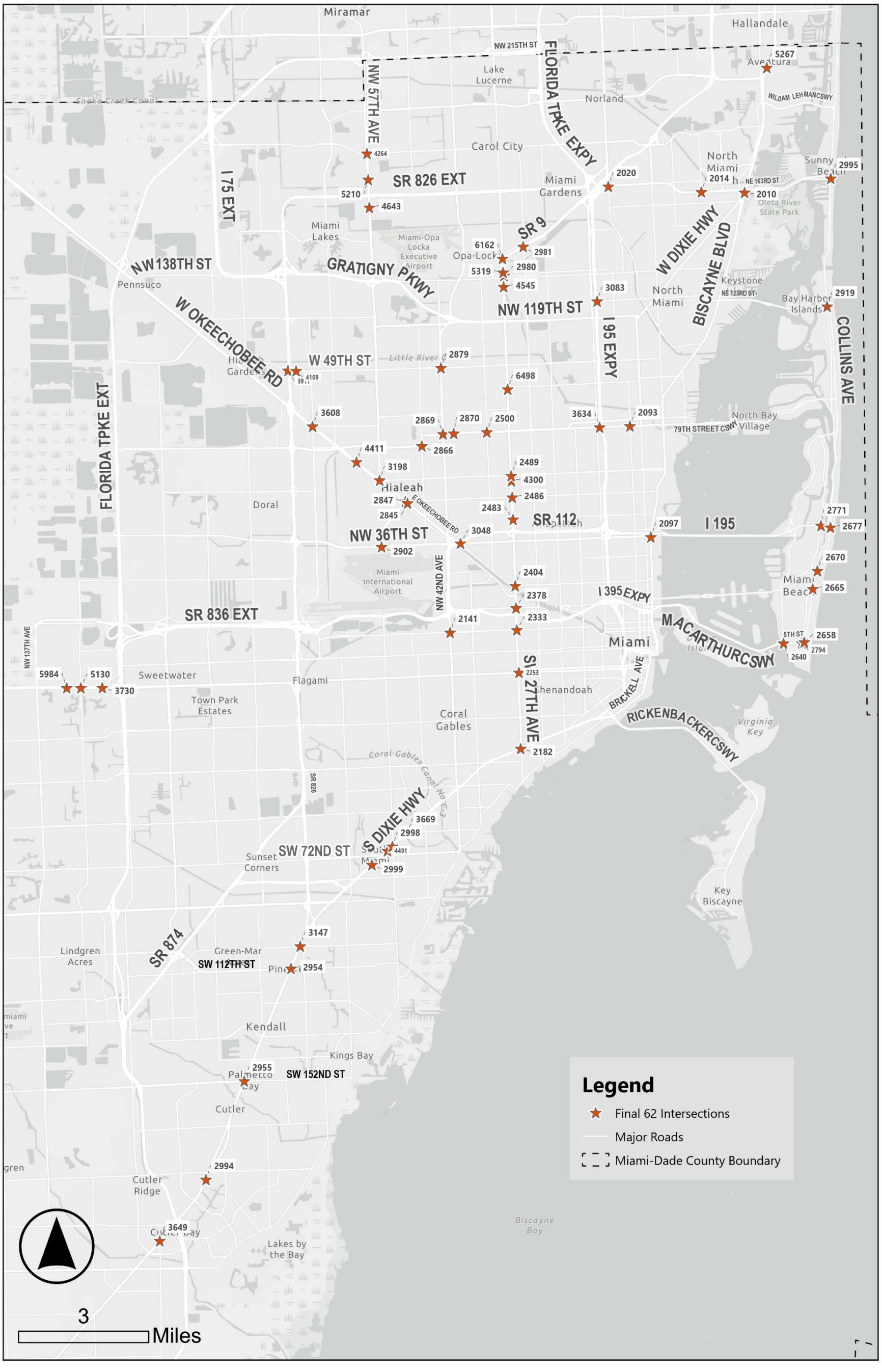
Table 3: Final Ranked 62 Critical Intersections List (1)

Signal ID	Rank #	SR	Roadway ID	Signal MP	Intersection
2010	**21**	5	87030000	21.947	US-1 & SR- 826
2014	**28**	826	87170000	2.689	SR- 826 & NE 15 Av
2020	**15**	826	87170000	0.474	SR- 826 & NW 2 Av
2093	**39**	934	87080900	39.257	N 79 St & N Miami Av
2097	**62**	5	87030000	13.480	US-1 & NE 36 St
2141	**16**	953	87281000	3.601	LeJeune Rd & NW 7 St
2182	**7**	5	87030000	6.520	US-1 & SW 27 Av
2253	**38**	90	87120000	15.134	SW 27 Av & SW 8 St
2333	**58**	9	87240000	2.722	NW 27 Av & NW 7 St
2378	**61**	9	87240000	3.231	NW 27 Av & NW 14 St
2404	**57**	9	87240000	3.744	NW 27 Av & North River Dr & NW 20 St
2483	**24**	9	87240000	5.276	NW 27 Av & NW 46 St
2486	**8**	9	87240000	5.787	NW 27 Av & NW 54 St
2489	**13**	9	87240000	6.285	NW 27 Av & NW 62 St
2500	**25**	934	87080900	35.952	NW 79 St & NW 32 Av
2640	**20**	907	87037000	0.000	Alton Rd & 5 St
2658	**48**	A1A	87060000	3.670	Collins Av & 5 St (Removed)
2665	**41**	A1A	87060000	4.913	Collins Av & 17 St (Removed)
2670	**49**	A1A	87060000	5.344	Collins Av & 23 St
2677	**9**	112	87016000	0.814	Art Godfrey Rd & Collins Av (Removed)
2771	**37**	112	87016000	0.594	Art Godfrey Rd & Pine Tree Dr
2794	**42**	A1A	87060000	3.598	5 St & Washington Av
2845	**45**	25	87090000	13.704	Okeechobee Rd & E 1 Av
2847	**52**	25	87090000	13.641	Okeechobee Rd & Hialeah Dr
2866	**30**	934	87080900	34.192	E 21 St & E 4 Av
2869	**32**	934	87080900	34.939	E 25 St & LeJeune Rd
2870	**50**	934	87080900	35.189	E 25 St & E 10 Av
2879	**33**	953	87038000	4.647	LeJeune Rd & E 49 St
2902	**40**	948	87220000	2.165	NW 36 St & Curtiss Pkwy
2919	**36**	A1A	87060001	0.060	Harding Av & 96 St
2954	**26**	5	87020000	19.071	US-1 & Killian Dr

Table 3: Final Ranked 62 Critical Intersections List (2)

Signal ID	Rank #	SR	Roadway ID	Signal MP	Intersection
2955	**10**	5	87020000	16.266	US-1 & Coral Reef Dr
2980	**47**	916	87008001	2.555	NW 27 Av & Opa-locka Blvd
2981	**53**	9	87240000	11.809	SR- 9 & NW 22 Av
2994	**56**	5	87020000	13.796	US-1 & Quail Roost Dr
2995	**27**	A1A	87060000	14.590	Collins Av & SR- 826 S (Removed)
2998	**1**	5	87030000	2.751	US-1 & Red Rd
2999	**17**	5	87030000	2.115	US-1 & SW 62 Av
3048	**2**	948	87090000	15.254	NW 36 St & North River Dr
3083	**29**	922	87066000	0.125	N Miami Blvd & I- 95 NB
3147	**43**	5	87020000	19.628	US-1 & SW 104 St
3198	**3**	823	87002000	0.000	Red Rd & & Okeechobee Rd & W 9 St
3608	**5**	25	87090000	10.890	Okeechobee Rd & W 16 Av & W 29 St
3634	**31**	934	87080900	38.557	NW 79 St & I- 95 SB
3649	**60**	989	87015000	3.032	US-1 & SW 112 Av
3669	**18**	5	87030000	3.223	US-1 & Alhambra Cir S
3730	**6**	90	87120000	5.523	SW 8 St & SW 122 Av
3917	**4**	932	87038000	1.125	NW 103 St & SR- 826 W
4109	**22**	932	87038000	1.314	W 49 St & W 18 Ct
4264	**12**	823	87002000	7.534	Red Rd & Miami Gardens Dr
4300	**23**	9	87240000	6.164	NW 27 Av & NW 60 St
4411	**19**	25	87090000	12.194	Okeechobee Rd & W 8 Av
4491	**51**	5	87030000	2.599	US-1 & SW 58 Av & SW 70 St
4545	**54**	9	87240000	10.653	NW 27 Av & NW 132 St
4643	**44**	823	87002000	6.289	Red Rd & NW 163 St
5130	**14**	90	87120000	5.028	SW 8 St & SW 127 Av
5210	**11**	823	87002000	6.933	Red Rd & NW 173 Dr
5267	**46**	5	87030000	24.907	US-1 & NE 208 St
5319	**35**	9	87240000	10.983	NW 27 Av & Superior St
5984	**34**	90	87120000	4.703	SW 8 St & SW 129 Pl
6162	**59**	817	87019000	0.178	NW 27 Av & Burlington St & SR- 9 SB
6498	**55**	9	87240000	8.282	NW 27 Av & NW 95 St -W leg

Figure 9: Final 62 Critical Intersections



4.0 Phase IV | Project Programming

The goal of this final phase was to propose improvements at each of the final 62 critical signalized intersections to resolve existing truck deficiencies. This effort was broken into three steps:

Step 1: Match Against Work Program. The final locations were analyzed against the current FDOT Work Program (FY24 – FY28) for potential to include the proposed improvements within an already programmed project.

Step 2: Priority List – Coordination with FDOT for intersections with Projects. Intersections with an existing project were assigned priority and the respective FDOT PMs were contacted for potential inclusion.

Step 3: Stand-Alone Projects – Coordination with FDOT for intersections without Projects. Intersections without an active FDOT project are being proposed to become part of a stand-alone improvement project. Both design concepts and cost estimates were produced for each critical intersection to provide an overview of the improvement and its total cost. A flow chart for Phase VI is shown in ***Figure 10***.

4.1 WORK PROGRAM MATCHING

The latest 5-Year Work Program tables were obtained from the FDOT Last-Nite database and analyzed against the 62 intersections to classify critical intersections into two categories:

- Intersections with an existing resurfacing type improvement project.
- Intersections without an existing project.

To conduct this analysis, the FDOT projects were filtered to those before the 60% Design Phase submittal which, if applicable, became part of the Priority List. Contact information for respective PMs was obtained, and communication began with intent to include proposed improvements.

Table 4 provides the final list of critical intersections with an existing programmed project for which coordination with the PM was performed for potential inclusion. In all, 20 locations were identified. Locations that were without an existing project or were past 60% design phase are presented in ***Table 5*** as the stand-alone project list, with a total of 42 locations.

Figure 10: Project Programming Flow Chart

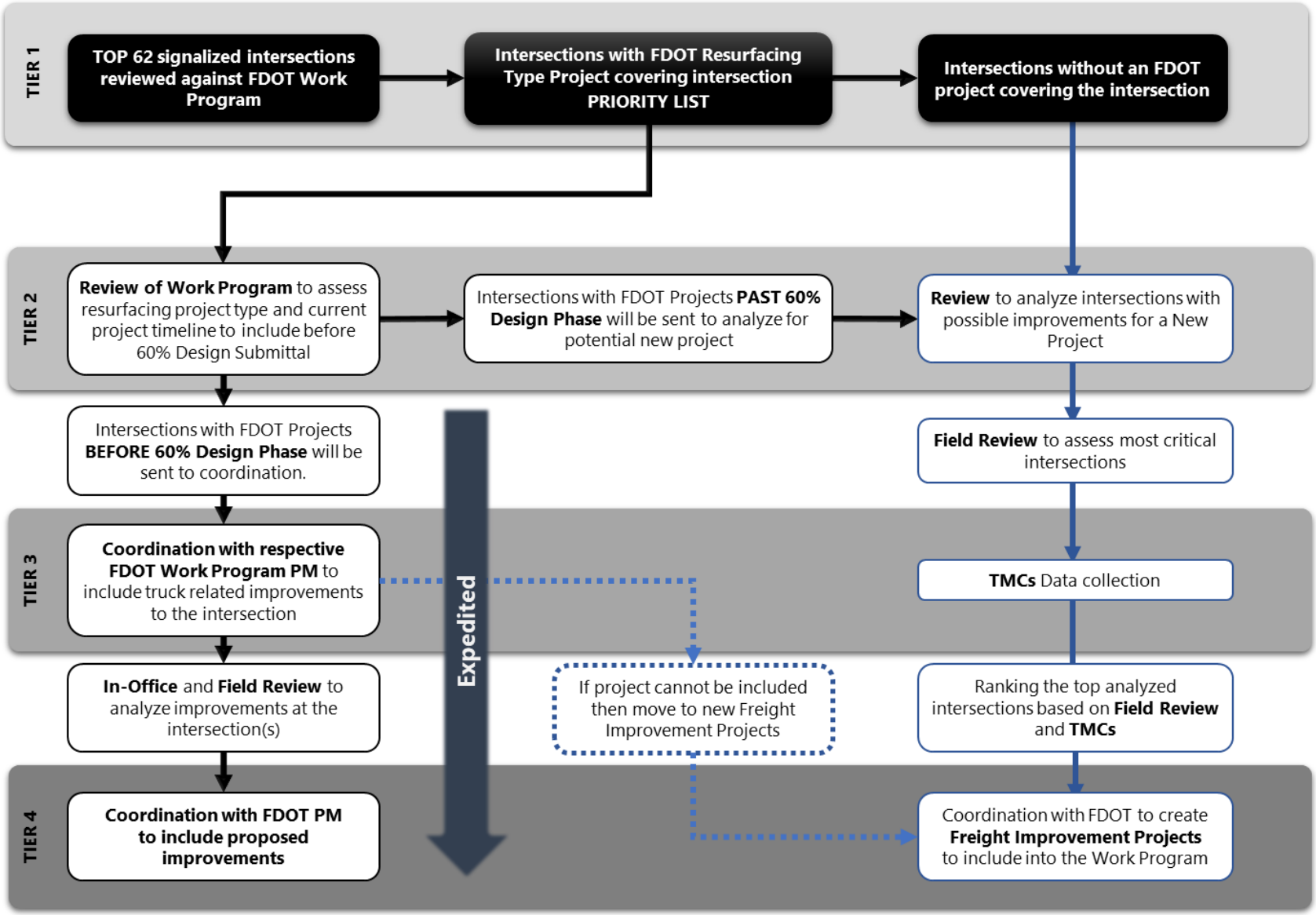


Table 4: Priority Contact List

NHFN	Signal ID	Roadway ID	Signal MP	SR	Intersection	FM	WORK MIX	STATUS	PM
Yes	2845	87090000	13.704	25	Okeechobee Rd & E 1 Av	4478281	RESURFACING	PRE-CONST.UNDERWAY	MARTINEZ, PAOLA
Yes	3048	87090000	15.254	948	NW 36 St & North River Dr	4385211	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	QUINTELA, RAUL
						4385212	PD&E/EMO STUDY	ADOPTED, NOT BEGUN	SOLAUN, JUDY
Yes	4411	87090000	12.194	25	Okeechobee Rd & W 8 Av	4478281	RESURFACING	PRE-CONST.UNDERWAY	MARTINEZ, PAOLA
No	2141	87281000	3.601	953	LeJeune Rd & NW 7 St	4478091	RESURFACING	PRE-CONST.UNDERWAY	BARRERA, JOSE
No	4109	87038000	1.314	932	W 49 St & W 18 Ct	4459931	RESURFACING	PRE-CONST.UNDERWAY	DE LA CRUZ, JOAQUIN
						4511221	INTERSECTION IMPROVEMENT	CANDIDATE LINE ITEM	QUINTELA, RAUL
No	3634	87080900	38.557	934	NW 79 St & I- 95 SB	4106467	SAFETY PROJECT	ROW ACQUISITION BEG.	RAGHUNANDAN, RYAN
						4106465	ADD LANES & RECONSTRUCT	PRE-CONST.UNDERWAY	QUINTELA, RAUL
No	2093	87080900	39.257	934	N 79 St & N Miami Av	4106465	ADD LANES & RECONSTRUCT	PRE-CONST.UNDERWAY	QUINTELA, RAUL
No	2794	87060000	3.598	A1A	5 St & Washington Av	4497101	PEDESTRIAN SAFETY IMPROVEMENT	PRE-CONST.UNDERWAY	NUNEZ, XIOMARA
No	2981	87240000	11.809	9	SR- 9 & NW 22 Av	4510351	PEDESTRIAN SAFETY IMPROVEMENT	CANDIDATE LINE ITEM	RIVEROL, ELSA
No	2994	87020000	13.796	5	US-1 & Quail Roost Dr	4493681	SAFETY PROJECT	ADOPTED, NOT BEGUN	DURAN, MARIO
No	2404	87240000	3.744	9	NW 27 Av & North River Dr & NW 20 St	4511241	PEDESTRIAN SAFETY IMPROVEMENT	CANDIDATE LINE ITEM	DURAN, MARIO
						4493661	INTERSECTION IMPROVEMENT	ADOPTED, NOT BEGUN	BARRERA, JOSE
No	2333	87240000	2.722	9	NW 27 Av & NW 7 St	4511241	PEDESTRIAN SAFETY IMPROVEMENT	CANDIDATE LINE ITEM	DURAN, MARIO
No	2378	87240000	3.231	9	NW 27 Av & NW 14 St	4511241	PEDESTRIAN SAFETY IMPROVEMENT	CANDIDATE LINE ITEM	DURAN, MARIO
No	2486	87240000	5.787	9	NW 27 Av & NW 54 St	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA
No	2489	87240000	6.285	9	NW 27 Av & NW 62 St	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA
No	4300	87240000	6.164	9	NW 27 Av & NW 60 St	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA
No	2483	87240000	5.276	9	NW 27 Av & NW 46 St	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA
No	5319	87240000	10.983	9	NW 27 Av & Superior St	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA
No	4545	87240000	10.653	9	NW 27 Av & NW 132 St	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA
No	6498	87240000	8.282	9	NW 27 Av & NW 95 St -W leg	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA

Table 5: Stand-Alone Project Locations

NHFN	Signal ID	Roadway ID	Signal MP	SR	Intersection
Yes	2847	87090000	13.641	25	Okeechobee Rd & Hialeah Dr
Yes	3198	87002000	0.000	823	Red Rd & & Okeechobee Rd & W 9 St
Yes	3608	87090000	10.890	25	Okeechobee Rd & W 16 Av & W 29 St
No	2998	87030000	2.751	5	US-1 & Red Rd
No	3730	87120000	5.523	90	SW 8 St & SW 122 Av
No	2182	87030000	6.520	5	US-1 & SW 27 Av
No	2955	87020000	16.266	5	US-1 & Coral Reef Dr
No	5210	87002000	6.933	823	Red Rd & NW 173 Dr
No	4264	87002000	7.534	823	Red Rd & Miami Gardens Dr
No	5130	87120000	5.028	90	SW 8 St & SW 127 Av
No	2020	87170000	0.474	826	SR- 826 & NW 2 Av
No	2999	87030000	2.115	5	US-1 & SW 62 Av
No	3669	87030000	3.223	5	US-1 & Alhambra Cir S
No	2010	87030000	21.947	5	US-1 & SR- 826
No	2954	87020000	19.071	5	US-1 & Killian Dr
No	2014	87170000	2.689	826	SR- 826 & NE 15 Av
No	3083	87066000	0.125	922	N Miami Blvd & I- 95 NB
No	2866	87080900	34.192	934	E 21 St & E 4 Av
No	2869	87080900	34.939	934	E 25 St & LeJeune Rd
No	2879	87038000	4.647	953	LeJeune Rd & E 49 St
No	5984	87120000	4.703	90	SW 8 St & SW 129 Pl
No	2253	87120000	15.134	90	SW 27 Av & SW 8 St
No	3147	87020000	19.628	5	US-1 & SW 104 St
No	3917	87038000	1.125	932	NW 103 St & SR- 826 W
No	2500	87080900	35.952	934	NW 79 St & NW 32 Av
No	2919	87060001	0.060	A1A	Harding Av & 96 St
No	2902	87220000	2.165	948	NW 36 St & Curtiss Pkwy
No	2980	87008001	2.555	916	NW 27 Av & Opa-locka Blvd
No	2640	87037000	0.000	907	Alton Rd & 5 St
No	2771	87016000	0.594	112	Art Godfrey Rd & Pine Tree Dr
No	4643	87002000	6.289	823	Red Rd & NW 163 St
No	5267	87030000	24.907	5	US-1 & NE 208 St
No	2670	87060000	5.344	A1A	Collins Av & 23 St
No	2870	87080900	35.189	934	E 25 St & E 10 Av
No	4491	87030000	2.599	5	US-1 & SW 58 Av & SW 70 St
No	6162	87019000	0.178	817	NW 27 Av & Burlington St & SR- 9 SB
No	3649	87015000	3.032	989	US-1 & SW 112 Av
No	2097	87030000	13.480	5	US-1 & NE 36 St
No	2665	87060000	4.913	A1A	Collins Av & 17 St
No	2658	87060000	3.670	A1A	Collins Av & 5 St
No	2677	87016000	0.814	112	Art Godfrey Rd & Collins Av
No	2995	87060000	14.590	A1A	Collins Av & SR- 826 S

4.2 INTERSECTIONS OUTSIDE OF CURRENT WORK PROGRAM

Additional coordination is on-going for intersections without active FDOT projects. A list of locations without an active FDOT project is being reviewed for potential opportunities to create new projects that can include the proposed Truck Turn Radii improvements. In addition, intersections within the NHFN were flagged, as these locations have a high chance of receiving Federal Funds for freight network improvements. The National Highway Freight Network (NHFN) program awards federal grants to projects that meet the criteria of being on the NHFN.

5.0 Conclusion and Continued Coordination

This report summarizes the Truck Turn Radii effort which culminated in the complete analysis of 1,177-state highway signalized intersections within Miami-Dade County to find freight critical geometrically deficient intersections with the potential to provide improvements to freight mobility and overall safety. Through data collection, refinement, ranking and prioritization, the result was a final list of 62 intersections considered to be of the highest priority for recommending improvements through the development of conceptual and cost estimates.

At the time of the development of this report, continued coordination is on-going for both locations with an active FDOT project and locations considered for a stand-alone project. These locations were presented to the District Scoping Committee (DSC) on March 6th, 2024 for inclusion of proposed improvements and recommendations for moving forward.

Feedback from the meeting for locations with an active FDOT project concluded that if any right-of-way impacts are occurring, to differ these proposed improvements to become a stand-alone project as they will unreasonably affect the cost and deadlines of the existing project. For locations that do not impact right-of-way, coordination with the respective project manager is recommended to ensure the proposed improvements are implemented within the respective design phase. For locations that are to become a stand-alone project, feedback from the meeting was to further develop the conceptual and cost estimates, include right-of-way impacts, and provide a cost-benefit analysis with truck TMCs before proceeding with creation of a project.

01| Progress Update as of July 5th, 2024

Below is a list of event updates between the date of this report's submittal on April 12th, 2024 to July 5th, 2024. Please refer to **Appendix H** for DSC presentations.

- Intersection 3048 - North River Drive at NW 36 Street: **removed** based on feedback from the DSC stating the required ROW acquisition phase needed to implement the proposed improvements within the active PD&E project FM 438521-1 would not be practical.
- Intersection 4264 – Red Road at Miami Gardens Drive: **will be further evaluated** to be added to existing scope for project**.** Coordination PM Carlos H Perez through FM 438864-4 is ongoing with proposed improvements to the NE, SE, and SW corners which will require ROW as included within the project's phases. Improvements planned within the project will resolve truck turning deficiencies occurring at the NW corner.
- Intersection 4411 - Okeechobee Road at W 8 Avenue / W 16 Street: **will be further evaluated** to be added to existing scope for project**.** Improvement will allow trucks heading south on W 8 Avenue to perform a right turn onto Okeechobee without encroaching onto sidewalk, no ROW required. This improvement is being implemented through FM 447828-1, PM Paola Martinez.
- Intersection 3198 – Okeechobee Road at Red Road / W 9 Street: **removed** based on coordination with Traffic Operations stating implementation of the "Trucks use center lane to turn right" sign would create potential conflicts and contact with vehicles turning right from the inside lane.
- Intersection 2847 – Okeechobee Road at Hialeah Drive: **will be further evaluated** to be added to existing scope for project**.** Traffic Operations Office approved the installation of a "No through trucks" sign for trucks heading Eastbound along Okeechobee Road to not make a right turn onto Curtiss Parkway Bridge. This improvement is being implemented through FM 447828-1, PM Paola Martinez.
- All stand-alone projects are **pending** at this time upon the implementation of all high-priority intersections under an active project.

- May 22nd, 2024: Following the District Scoping Committee, sixteen (16) Intersections that are off the NHFN were recommended to be further analyzed. A new task could potentially be assigned which would include comprehensive field reviews, Turn Movement Counts (TMCs), enhanced conceptual designs, Long Range Estimates (LREs), and development of a methodology for conducting a benefit-cost analysis for the following 16 locations:

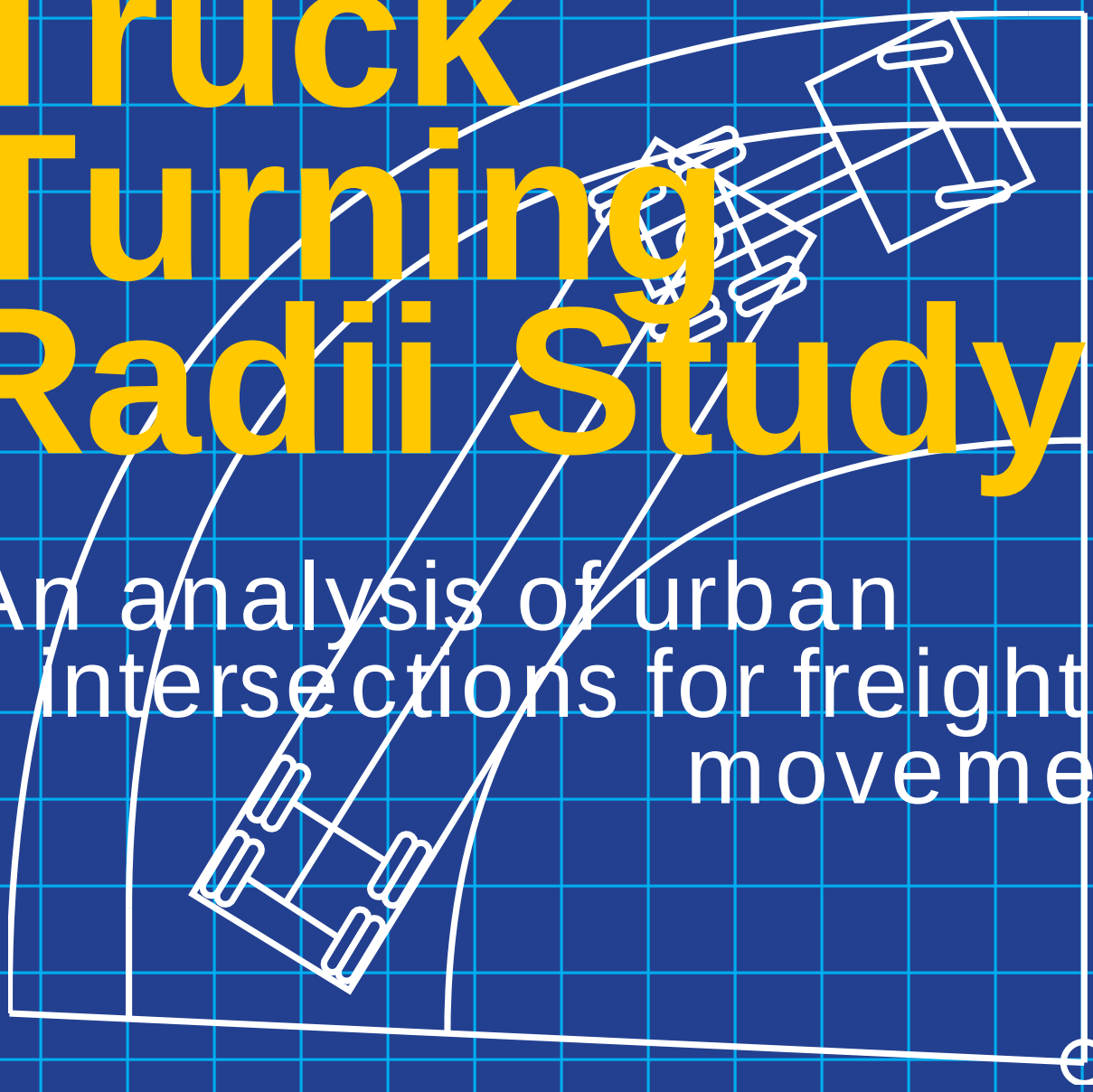
NHFN	Existing Project	Signal ID	Roadway ID	Signal MP	SR	Intersection	Cost Estimate	FM	WORK MIX		Recommendations by DSC Committee
No	No	2998	87030000	2.751	5	US-1 & Red Rd	$ 128,979.20	None	Stand-alone Project		Perform Data Collection (TMC's), ROW assessment, BC Analysis, Drainage impact assessment. Provide more accurate LRE's.
No	No	2182	87030000	6.520	5	US-1 & SW 27 Av	$ 80,340.70	None	Stand-alone Project	$ 209,319.90	
No	No	5984	87120000	4.703	90	SW 8 St & SW 129 Pl	$ 44,893.00	None	Stand-alone Project		Perform Data Collection (TMC's), ROW assessment, BC Analysis, Drainage impact assessment. Provide more accurate LRE's.
No	No	5130	87120000	5.028	90	SW 8 St & SW 127 Av	$ 177,579.69	None	Stand-alone Project		
No	No	3730	87120000	5.523	90	SW 8 St & SW 122 Av	$ 80,195.98	None	Stand-alone Project	$ 302,668.67	
No	No	2253	87120000	15.134	90	SW 27 Av & SW 8 St	$ 196,199.42	None	Stand-alone Project	$ 196,199.42	Perform Data Collection (TMC's), ROW assessment, BC Analysis, Drainage impact assessment. Provide more accurate LRE's.
No	No	4264	87002000	7.534	823	Red Rd & Miami Gardens Dr	$ 2,912,087.33	None	Stand-alone Project	$ 2,912,087.33	Perform Data Collection (TMC's), ROW assessment, BC Analysis, Drainage impact assessment. Provide more accurate LRE's.
No	No	2955	87020000	16.266	5	US-1 & Coral Reef Dr	$ 521,015.63	None	Stand-alone Project		Perform Data Collection (TMC's), ROW assessment, BC Analysis, Drainage impact assessment. Provide more accurate LRE's.
No	No	2954	87020000	19.071	5	US-1 & Killian Dr	$ 353,755.54	None	Stand-alone Project		
No	No	3147	87020000	19.628	5	US-1 & SW 104 St	$ 154,868.51	None	Stand-alone Project	$ 1,029,639.68	
No	No	3083	87066000	0.125	922	N Miami Blvd & I- 95 NB	$ 47,674.15	None	Stand-alone Project	$ 47,674.15	Perform Data Collection (TMC's), ROW assessment, BC Analysis, Drainage impact assessment. Provide more accurate LRE's.
No	No	2869	87080900	34.939	934	E 25 St & LeJeune Rd	$ 487,103.49	None	Stand-alone Project		Perform Data Collection (TMC's), ROW assessment, BC Analysis, Drainage impact assessment. Provide more accurate LRE's.
No	No	2879	87038000	4.647	953	LeJeune Rd & E 49 St	$ 99,232.72	None	Stand-alone Project	$ 586,336.21	
No	No	2020	87170000	0.474	826	SR- 826 & NW 2 Av	$ 75,011.31	None	Stand-alone Project		Perform Data Collection (TMC's), ROW assessment, BC Analysis, Drainage impact assessment. Provide more accurate LRE's.
No	No	2014	87170000	2.689	826	SR- 826 & NE 15 Av	$ 167,707.58	None	Stand-alone Project		
No	No	2010	87030000	21.947	5	US-1 & SR- 826	$ 28,965.15	None	Stand-alone Project	$ 271,684.04	
										$ 5,555,609.40	

Appendix A: Phase I: Methodology

Methodology Report

02.01.19

Truck Turning Radii Study



An analysis of urban intersections for freight movement

Florida Department of Transportation

District Six

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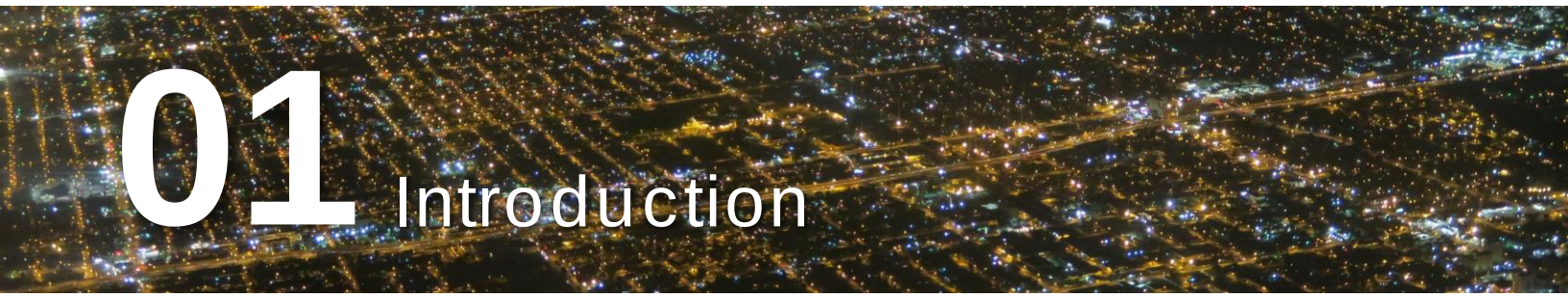


01 Introduction

03 Literature Review

05 Next Steps

02 Purpose & Need

04 Methodology

Miami-Dade County (MDC) is home to about 2.5 million residents accounting for approximately 12.5% of Florida's population. A significant portion of MDC traffic is heavy trucks and commercial vehicles which support the movement of goods to residents throughout the nation by using County highways and freeways. Miami International Airport (MIA) is the nation's largest freight processor airport. Likewise, Port Miami is rapidly growing each year by consistently increasing processed freight volume due partially to being one of the few ports in the country capable of handling Post-Panamax vessels.

For several years, major trip generators for heavy vehicles were MIA and Port Miami. However, recent infrastructure developments in West-Central MDC show freight growth will be higher than anticipated and will spillover into other areas of the County within a few years. Recognizing this need has regional and statewide significance, the Florida Department of Transportation (FDOT) has highlighted freight transportation as a key component of its economic development strategy. Through the Freight Mobility Trade Plan, the State developed a strategy and investment guideline for achieving this policy. This has led the FDOT to target freight specific deficiencies along its transportation system and increase freight transportation demand while improving economic development.

Maneuvering large commercial or industrial trucks in the County can be challenging due to the length and configuration of the vehicle and its load and inadequate roadway geometry. Turning radii can tight, especially within Central Business District (CBD) areas and along local streets. At instances, wide turns require a truck to occupy an additional travel lane or mount the curb which consequently affects the overall safety and operation of the intersection. When a truck driver is unable to turn safely the truck can tip over, hit bicyclists/pedestrians, swing into on-coming traffic or crush adjacent vehicles. In addition, the front overhang of the truck may strike traffic control devices located near its turning path or in line of the right rear trailer tire and strike devices located at the inside of its turning path when off-tracking.

Besides the geometric condition which impacts trucks turning maneuver, another important topic when monitoring the network is to identify traffic bottlenecks. Transporting goods is a time sensitive task since delays from one trip can affect a chain of later trips that are already scheduled and can cascade into delays for the whole freight network. This study's first focus is to develop a methodology for filtering all signalized intersections within the FDOT District Six's State Highway System and determine those deemed critical for freight mobility. Secondly, highly congested corridors or bottleneck sections related to trucks will be identified and prioritized. Such bottleneck locations will feed into the signalized intersections to determine site-specific deficiencies and propose viable engineering solutions.

01

Definitions

Bottleneck is a defined specific location that experiences recurring traffic backup due to localized demand that exceeds capacity.

Off-tracking is defined as the difference in paths of the front-most inside wheel and rear-most inside wheel of a vehicle as it corners a turn.

Swept-path width may be defined as the amount of off-tracking plus the width of the truck. It can also be defined as the difference in paths of the front-most outside wheel and the rear-most inside wheel of the vehicle as it navigates low-speed turns.

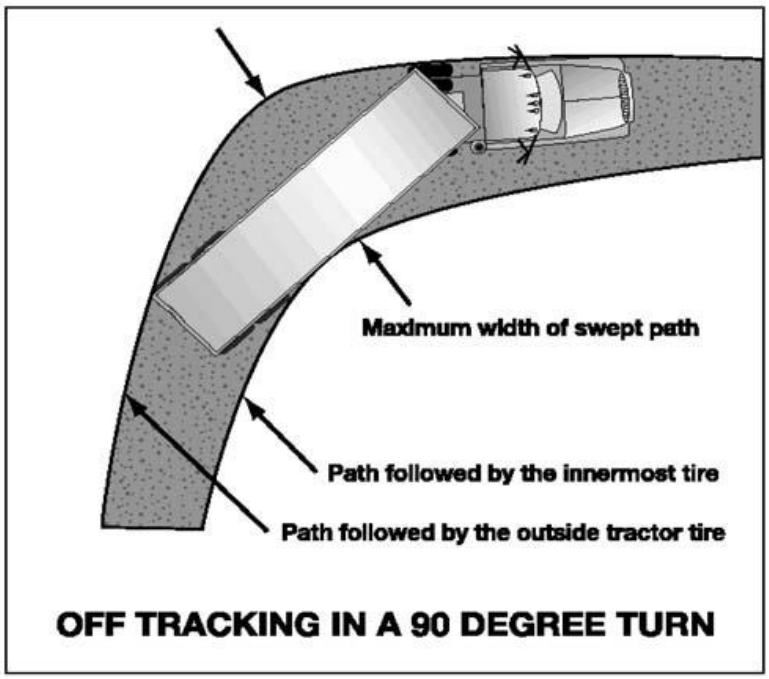


Fig. 1 – Truck Off-Tracking in a Turn

Purpose

The purpose of this study is to improve safety, support truck mobility and accessibility by correcting roadway deficiencies at freight truck critical signalized intersections within the State Highway System (SHS). This assessment is part of a larger strategy adopted by FDOT to support both increased freight transportation demand and economic development. This study aims to target five roadway geometric elements that are historically are the reason for not accommodating large trucks in the SHS. These geometric elements are as follow:

- Horizontal curves on mainline roadways
- Horizontal curves on freeway on and off ramps
- Raised medians for left-turns and right-turns at signalized intersections
- Curb return radii for right-turns at signalized intersections
- Curb return radii and ramp terminal right-turn radii on arterial crossroads

Additionally, high density urban environments have significant roadway congestion which causes operational deficiencies in freight mobility. Freight congestion is most apparent at bottleneck locations. This study will also provide an experimental and practical methodology to identify and analyze bottleneck locations, as well as, rank each location based on impact to the system.

Need

In achieving the purpose, the following objectives will be accomplished:

- Developing a replicable methodology for determining critical freight signalized intersections and bottlenecks within the State Highway System.
- Performing field and desktop reviews to identify roadway deficiencies based on most current FDOT design standards and specifications.
- Proposing site-specific engineering solutions to correct all identified roadway deficiencies.

It is important to note that Miami-Dade County (MDC) contains over one thousand signalized intersections. Therefore, a need to refine the most critical intersections is necessary in order to manage and maximize all available resources efficiently. As part of this process, intersections under review will be refined down to the top 200 in need of attention for truck related deficiencies and potential improvements.

02

To determine freight truck critical intersections for turning radii evaluation, a set of applicable criteria was gathered for filtering all roadways within the State Highway System. These criteria include:

- Roadways within Miami-Dade Freight Network
- Potential truck routes
- Annual Average Daily Traffic (AADT)
- Truck Percent (T24)
- Generalized Level of Service (LOS)
- Documented critical crash locations
- Documented high truck crash related locations
- Bottleneck Segments
- On-going/future projects within FDOT Work Program

Other criteria taken into consideration but not given within the core analysis or methodology include posted speed limit, functional classification, truck volume, number of thru lanes and speed index.

Data Gathered

The following data was gathered and utilized to determine which intersections need freight improvements (see **Appendix A** for complete list of signalized intersections and criteria):

A. Master list of all the signalized intersections in Miami-Dade County:

Data was provided by Miami Dade County and FDOT Traffic Operations Office. Data was processed to only include active intersections along the State Highway System. All signalized intersections are identified by a 4-digit code known as the Asset ID.

B. Annual Average Daily Traffic (AADT):

Traffic data for each intersection was obtained through the Florida Traffic Online website and in coordination with the FDOT D6 Planning Office. AADT represents the average volume of vehicles that pass a given intersection on a daily basis. For the purpose of this methodology, this factor is analyzed to determine which intersections receive higher utilization and thus greater demand for prioritization when determining truck related improvements.

The following criteria were used for each intersection:

- Registered AADT for both roadways at the intersections when available.
- Registered the highest AADT when more than one count was available for a particular roadway.
- Registered the highest AADT at particular intersections with irregular intersects (i.e. 3-way, 5-way or more intersects).

C. Truck Percentage (%):

Obtained in correlation with traffic data provided by FDOT. Truck % reflects the volume of truck against to total average daily volume along a segment. The equation for determining Truck % as per the FDOT Project Traffic Forecasting handbook is as follows:

$$T_{24} = \frac{\text{Daily Truck Volume (DTV)}}{\text{AADT}}$$

This factor will assist in filtering out heavy freight- dependent intersections and prioritize those intersections with a higher need for freight related improvements.

D. Level of Service (LOS):

LOS was obtained from the Miami-Dade County State Highway System – 2017 AADT Level of Service updated August 2018. Information was provided by FDOT D6 Planning Office. LOS data provides an overall grade ranking from A to F summarizing segment serviceability.

E. SIS Routes and Proposed Truck Routes:

Data was obtained from the FDOT D6 Miami-Dade County Freight Network, last updated in June 2015. Information was developed and provided by FDOT D6 Planning Office. Considerations used by FDOT to determine the components of the freight roadway network include: AADT and truck percent, SIS designation, connectivity of freight network to freight activity centers, intensity and intermodal aspects of freight activity centers, land uses adjacent to freight corridors, county and municipal truck route ordinances, and truck route designations.

F. High Crash List (HCL):

Data was obtained from the Crash Analysis Reporting (CAR) System provided by FDOT D6 Traffic Operations Office. Crash data is composed of police reported crashes, fatalities or incidences, including pedestrian and bicyclist, within the 3 consecutive years from 2013 to 2015. Following the FDOT High Crash Rate Analysis approach, this report uses crash rates to evaluate whether a specific location has a higher than average crash rate against other intersections. The State Safety office defines the crash rate as the number of incidents divided by the number of vehicles traversing through an intersection.

G. High Truck Crash List:

This network screening, performed and provided by Central Office, was run in 2015 using crash data for years 2009 through 2013. The criteria is that of which any vehicle involved in the crash has a vehicle type code of "Heavy Truck" or "Truck Tractor".

H. FDOT Work Program Future and Current Projects:

As part of the effort to determine which intersections may be available for quick freight improvements, all programmed FDOT projects along the SHS were analyzed for potential inclusion. List of project types analyzed are as follow:

- Obtained listing of safety projects from 2014 to 2018.
- Obtained listing of projects currently in the scoping phase.
- Obtained FDOT projects from FDOTs work program (2019 – 2023).

I. Bottleneck Segments:

Using big data provides the privilege of being able to analyze based on monthly and even annual data, not focusing on a peak hour of one day. This will provide a comprehensive picture of the area during time. The National Performance Measure Research Data Set (NPMRDS) website has rich functionality for analyzing network based on travel time and speed. This source provides INRIX data (all vehicle and truck) speeds in 15-minute intervals which will be used in this study.

In developing a replicable methodology for determining critical freight signalized intersections within the State Highway System, engineering judgment, literature review as well as coordination with FDOT and stakeholders took place. Additionally, a bottleneck analysis methodology was performed which has been applied to the overall methodology scoring.

Bottleneck Analysis

The theory behind the bottleneck analysis is to identify sections along a segment in which free flow speed (FFS) is reduced in comparison to the overall segment. Various methods suggest creating a two-dimensional heat chart, illustrating daily traffic performance on a space-time continuum. The idea is to create spreadsheets for each street / direction similar to the sample shown below (data in this figure is hypothetical).

FFS (mph)	45
Cut Speed	33.75
Cut Speed-3	30.75
Cut Speed-6	27.75
Cut Speed+3	36.75
Cut Speed+6	39.75

TMC	Desc.	7:00 AM to 7:15 AM	7:15 AM to 7:30 AM	7:30 AM to 7:45 AM	7:45 AM to 8:00 AM	8:00 AM to 8:15 AM	8:15 AM to 8:30 AM	8:30 AM to 8:45 AM	8:45 AM to 9:00 AM	9:00 AM to 9:15 AM	9:15 AM to 9:30 AM	9:30 AM to 9:45 AM	9:45 AM to 10:00 AM
102T1	SW 8th Street, between A and B	40	40	37	37	35	35	35	33	33	33	35	35
102T2	SW 8th Street, between B and C	40	40	40	38	38	35	35	35	34	34	35	36
102T3	SW 8th Street, between C and D	38	37	35	35	33	33	30	30	28	29	30	35
102T4	SW 8th Street, between D and E	38	37	36	36	33	33	32	31	28	28	32	34
102T5	SW 8th Street, between E and F	39	37	36	36	34	33	33	32	29	29	33	34
102T6	SW 8th Street, between F and G	39	36	37	36	35	33	34	32	29	29	33	34
102T7	SW 8th Street, between G and H	40	37	38	38	34	34	33	33	29	30	35	35
102T8	SW 8th Street, between H and I	40	37	38	38	35	34	35	33	30	31	35	35
102T9	SW 8th Street, between I and J	43	36	35	38	36	35	35	33	32	32	35	36
102T10	SW 8th Street, between J and K	45	38	37	38	36	36	35	34	34	32	35	36
102T11	SW 8th Street, between K and L	45	39	39	37	37	37	37	34	34	33	36	37

Fig. 2 – Bottleneck Heat Chart

In this sample, each row represents a Traffic Massage Channel (TMC) vs. speed data for each TMC in 15-minute interval for AM peak period. The highlighting will be done based on the assumed Free Flow Speed (FFS) of the street or highway and also cut speeds (this example uses 75% of FFS). Cut speed is the speed threshold which is defined as bottleneck occurrence. Each cell represents one TMC speed in average 15 minute interval. It can be observed that at location TMC 102T3, congestion starts significantly from 9:00 AM to 9:30 AM.

After every street and direction is analyzed, a general GIS map will be generated to present each bottleneck location over the intersection of concern.

Finally, a ranking system will be applied to each section of the segment to create a list of bottlenecks from lowest to highest impact on truck speeds in the network. For full detail process, data collection and analysis please refer to Appendix B. GIS map is included within the appendix.

Following the data gathering process, a method of ranking each data criteria for severity was utilized to assess which intersections present the highest concern for truck related improvements. Scoring criteria was determined to be a point system from 0 to 10 in order to denote the level of severity per dataset (0 being lowest concern to 10 being highest concern).

1. **Miami-Dade Freight Network:**
   Segments on the network receive a score of 10. Segments off the network receive 0 points.

2. **Potential Truck Route:**
   Segments with potential to be on the Freight Network are given a score of 5. Segments without potential consideration will receive a score of 0.

3. **AADT:**
   Level of concern will be correlated to traffic volumes. A score of 0 signifies little to no traffic while the maximum observed traffic in the District will receive a 10. For D6, maximum reported AADT is 116,500. Therefore, scoring increment will be based on each 10,000-vehicle increment.

4. **Truck %:**
   Scoring will be correlated to reported truck volume percent. In D6, highest truck volume per AADT is 35.5%. However upon review of the data it would show that few segments range from 25% to 35% (only 1). Therefore, to properly distribute each value, an increment of 2.5% was chosen with truck volumes over 25% receiving a score of 10.

5. **Intersection Level of Service:**
   LOS will be based on each respective increase (A to F) from 0 to 5. LOS is reflective of an intersections volume to capacity ratio (V/C). While given presence in the scoring system was not given ample precedence as to create excessive skewing.

6. **Crash Rating:**
   Ranking data obtained from the CARS database is scored from lowest risk to highest risk (maximum crash rating is 3,612). Therefore scoring will be based on the same methodology but refined based on increments of 300, from 0 to 3,000.

7. **Heavy Truck Crash List:**
   Similar to the Miami-Dade Freight Network, any segments which are listed as part of the high truck crash rate will receive a score of 10. Segments not on the list will receive a score of 0.

Table 1 – Freight Network Scoring Criteria

Freight Network Scoring Criteria								
Score	Within Miami-Dade Freight Network?	Potential Truck Route	AADT	Truck %	Intersection LOS	Crash Rating	Heavy Truck Crash List	Bottleneck Segment
10	Yes		> 99,999	> 19.9%		>2,999	Yes	Yes
9			99,999 – 90,000	19.9% - 18%		2,999 – 2,700		
8			89,999 – 80,000	17.9% - 16%		2,699 – 2,400		
7			79,999 – 70,000	15.9% - 14%		2,399 – 2,100		
6			69,999 – 60,000	13.9% - 12%		2,099 – 1,800		
5		Yes	59,999 – 50,000	11.9% - 10%	F	1,799 – 1,500		
4			49,999 – 40,000	9.9% - 8%	E	1,499 – 1,200		
3			39,999 – 30,000	7.9% - 6%	D	1,1999 – 900		
2			29,999 – 20,000	5.9% - 4%	C	899 – 600		
1			19,999 – 10,000	3.9% - 2%	B	599, 300		
0	No	No	< 10,000	< 2%	A	< 300	No	No

Notes:

1. Within Miami-Dade Freight Network, Potential Truck Route, Heavy Truck Crash List, and Bottleneck Segment are Yes/No criteria and only receive one of two scores
2. The highest AADT observed was 116,500 and the lowest 0. The scoring range goes from 0 AADT to 100,000 in 10,000 increments
3. The highest truck percentage observed was 34.4% and the lowest 0%. The scoring range goes from 0% to 20% in 2% increments.
4. LOS F is the most critical and, therefore, the highest priority and LOS A the lowest priority. The LOS will be based on each individual intersection.
5. The highest crash rating observed was 3,612 and the lowest 0. The scoring range goes from 9 to 3,000 in 300 increments.

8. **Bottleneck Segments:**
   The scoring process for bottleneck segments is determined as a Yes or No scoring system (10 or 0).

Upon assigning individual scores to each of the signalized intersections based on all selected criteria, a preliminary screening to determine the validity of the developed methodology was performed. Calibration of the methodology was based on the preliminary results and distribution of data reported per each scored intersection. The following is a summary of the scoring counts and calibration of the distribution of data.

Total number of signalized intersections analyzed is 1,167. This value does not include MDC Bus Lanes and intersections off the SHS.

The table to the right depicts the results of the calibration along with the scoring distribution reported for each of the ranged criteria (AADT, Truck %, LOS and Crash Rating). Criteria for SIS network, Potential Freight Network and High Freight Crash Segments were not analyzed in the calibration process due to their Yes/No implementation. Other specific data restrictions are as follow:

- For LOS; 5 intersections did not report a value per data obtained and therefore received a score of 0 respectively.
- For Crash Rating; there are several intersections with no reported incidents in the past three years; therefore, received a score of 0.

Appendix C provides the output of the final scored signalized intersections ordered from highest to lowest score. The top intersection of concern being reported by the analysis is Okeechobee Road and SR 826, asset ID 3614. Furthermore, of the top 10 intersections refined, 8 of the reported intersections are along Okeechobee Road.

Table 2 – Distribution of Intersections via Scoring Criteria

Distribution of Intersections via Scoring Criteria				
Criteria	AADT	Truck %	LOS	Crash Rating
Interval	10,000	2.0%	Per Grade (1)	300
Lowest Range	0	0.0%	A	0
Highest Range	100,000	20.0%	F	3,000
Score	Intersections within Range			
0	10	14	0	775
1	173	201	4	116
2	262	389	595	90
3	233	216	258	69
4	235	140	13	46
5	118	34	265	21
6	64	149		17
7	31	7		15
8	31	7		5
9	9	2		6
10	1	8		7
Total	1,167	1,167	1,162	1,167

Following the scoring and refinement process for all D6 intersections, the top 250 intersections with the highest concern for needed improvements (including intersections with the same score of the 250th ranked intersection) are subjected to be further refined through individual analysis and in-office review. Each of the top concern intersections will be processed against the existing 5-year FDOT work program to analyze the potential to include any truck related improvements into an existing FDOT project.

- Intersections with the potential to be included into an existing FDOT project will be placed onto a separate list for determining recommended improvements. These intersections will be expedited in coordination with the respective FDOT project manager for including proposed improvements.
- Intersections which show no existing FDOT projects will be placed into a separate list for determining potential need and improvements for the intersection of concern.

All top intersections of concern are subject to TMC counts and field review as per due process for determining improvements needed to reduce crashes, mitigate conflicts and provide truck related improvements.

An outline of the proceeding process for developing and programming projects based on the results of this methodology is presented as **Figure 3** on the following page.

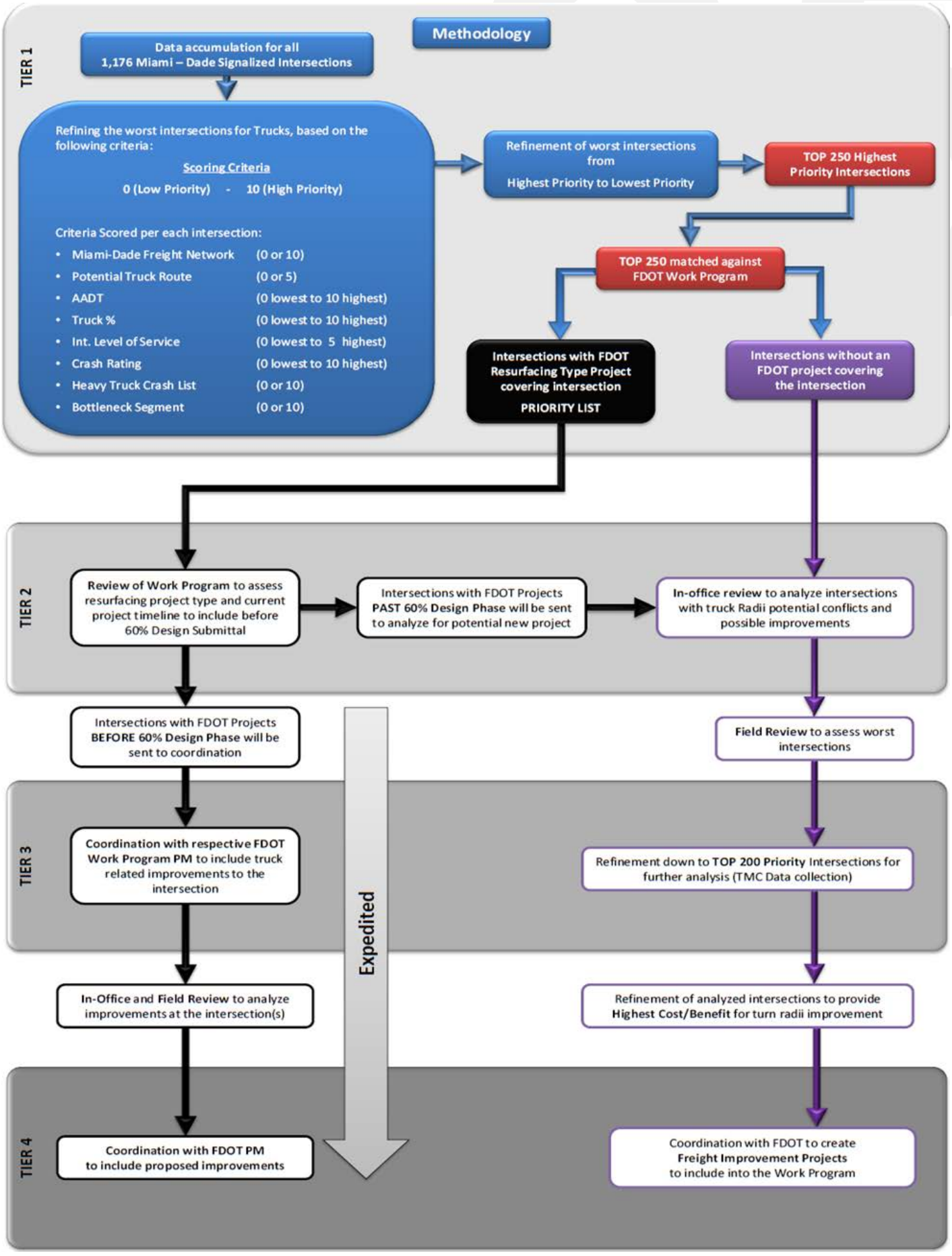


Figure 3 – Truck Turning Radii Assessment Process

Appendix B: Phase II:

Top 165 Signalized Intersections List

Top 150 Critical Intersections List

Rank #	Signal ID	Roadway ID	Signal MP	SR	Intersection	SIS / Freight Route	SIS Route Score	Max AADT	AADT Score	Max Truck %	Truck % Score	Intersection LOS	LOS Score	HCL Ranking by # of Crashes 2.1	Crash Score	On Truck Crash List	Truck Crash List Score	Bottleneck Rank	Bottleneck Score	Total Score
1	2621	87030000	4.744	5	US-1 & LeJeune Rd	Yes	10	81500	8	12.60%	6	F	5	203	9	Yes	10	Yes	10	58
2	2998	87030000	2.751	5	US-1 & Red Rd	Yes	10	77500	7	12.60%	6	F	5	295	9	Yes	10	Yes	10	57
3	5909	87090000	10.032	25	Okeechobee Rd & NW 79 Av	Yes	10	64000	6	13.30%	6	F	5	30	10	Yes	10	Yes	10	57
4	3048	87090000	15.254	948	NW 36 St & North River Dr	Yes	10	68000	6	10.30%	5	F	5	327	8	Yes	10	Yes	10	54
5	3198	87002000	0.000	823	Red Rd & & Okeechobee Rd & W 9 St	Yes	10	55500	5	16.60%	8	C	2	246	9	Yes	10	Yes	10	54
6	3917	87038000	1.125	932	NW 103 St & SR- 826 W	Yes	10	50000	5	8.60%	4	F	5	35	10	Yes	10	Yes	10	54
7	2180	87030000	7.602	5	US-1 & SW 17 Av	Yes	10	88500	8	3.70%	1	F	5	33	10	Yes	10	Yes	10	54
8	3683	87038000	1.173	932	NW 103 St & SR- 826 NB	Yes	10	50000	5	8.60%	4	F	5	192	9	Yes	10	Yes	10	53
9	3608	87090000	10.890	25	Okeechobee Rd & W 16 Av & W 29 St	Yes	10	56500	5	12.90%	6	C	2	4	10	Yes	10	Yes	10	53
10	3068	87002000	6.582	823	Red Rd & SR- 826 WB	Yes	10	62000	6	8.80%	4	F	5	347	8	Yes	10	Yes	10	53
11	2185	87030000	5.674	5	US-1 & Bird Rd	Yes	10	81500	8	5.50%	2	F	5	466	7	Yes	10	Yes	10	52
12	4974	87120000	6.417	90	SW 8 St & SW 117 Av	Yes	10	60000	6	12.60%	6	C	2	409	8	Yes	10	Yes	10	52
13	2520	87052000	0.000	9	NW 27 Av & NW 119 St	Yes	10	46000	4	10.50%	5	C	2	20	10	Yes	10	Yes	10	51
14	6968	87281000	3.913	953	NW 42 Av & SR 836/Dolphin Expy EB Off	Yes	10	55500	5	8.90%	4	C	2	98	10	Yes	10	Yes	10	51
15	5211	87080900	31.419	934	NW 74 St & NW 74 AV	Yes	10	51000	5	13.30%	6	C	2	539	7	Yes	10	Yes	10	50
16	4515	87090000	7.495	25	Okeechobee Rd & Hia-Hialeah Garden Blvd & NW 116 Way	Yes	10	35037	3	16.70%	8	C	2	497	7	Yes	10	Yes	10	50
17	4869	87120000	4.010	825	SW 137 Av & SW 8 St	Yes	10	55000	5	5.90%	2	C	2	119	10	Yes	10	Yes	10	49
18	3730	87120000	5.523	90	SW 8 St & SW 122 Av	Yes	10	53500	5	5.90%	2	C	2	59	10	Yes	10	Yes	10	49
19	2182	87030000	6.520	5	US-1 & SW 27 Av	Yes	10	88500	8	12.60%	6	F	5	8	10	Yes	10		0	49
20	2486	87240000	5.787	9	NW 27 Av & NW 54 St	Yes	10	34000	3	7.60%	3	F	5	423	8	Yes	10	Yes	10	49
21	3978	87002000	0.758	823	Red Rd & W 21 St	Yes	10	46500	4	8.00%	4	C	2	198	9	Yes	10	Yes	10	49
22	3002	87030000	2.428	5	US-1 & Sunset Dr	Yes	10	82500	8	2.60%	1	F	5	1001	4	Yes	10	Yes	10	48
23	3023	87220000	3.705	953	LeJeune Rd & NW 36 St	Yes	10	94000	9	10.30%	5	F	5	180	9	Yes	10		0	48
24	2181	87030000	7.058	5	US-1 & SW 22 Av	Yes	10	88500	8	12.60%	6	F	5	155	9	Yes	10		0	48
25	2677	87016000	0.814	112	Art Godfrey Rd & Collins Av	Yes	10	41000	4	5.30%	2	C	2	104	10	Yes	10	Yes	10	48
26	2955	87020000	16.266	5	US-1 & Coral Reef Dr	Yes	10	68000	6	12.60%	6	F	5	72	10		0	Yes	10	47
27	5210	87002000	6.933	823	Red Rd & NW 173 Dr	Yes	10	62000	6	5.80%	2	D	3	690	6	Yes	10	Yes	10	47
28	4264	87002000	7.534	823	Red Rd & Miami Gardens Dr	Yes	10	62000	6	5.80%	2	D	3	661	6	Yes	10	Yes	10	47
29	2489	87240000	6.285	9	NW 27 Av & NW 62 St	Yes	10	39000	3	12.60%	6	C	2	647	6	Yes	10	Yes	10	47
30	2495	87080900	38.617	934	NW 79 St & I- 95 NB Off	Yes	10	25500	2	6.90%	3	F	5	509	7	Yes	10	Yes	10	47
31	5130	87120000	5.028	90	SW 8 St & SW 127 Av	Yes	10	53500	5	5.90%	2	C	2	397	8	Yes	10	Yes	10	47
32	2020	87170000	0.474	826	SR- 826 & NW 2 Av	Yes	10	65000	6	12.60%	6	F	5	174	9	Yes	10		0	46
33	4758	87120000	4.469	90	SW 8 St & SW 132 Av	Yes	10	43500	4	12.60%	6	C	2	973	4	Yes	10	Yes	10	46
34	5161	87090000	4.999	25	Okeechobee Rd & SR- 821 SB	Yes	10	27000	2	23.40%	10	C	2	1471	1	Yes	10	Yes	10	45
35	2843	87090000	14.923	25	Okeechobee Rd & LeJeune Rd	Yes	10	68000	6	8.20%	4	F	5	100	10	Yes	10		0	45
36	3520	87090000	11.548	25	Okeechobee Rd & Ludlam Rd	Yes	10	55500	5	16.60%	8	C	2			Yes	10	Yes	10	45
37	6851	87090000	8.808	25	Okeechobee Rd & NW 103 St/W 28 Av	Yes	10	42500	4	18.60%	9	C	2			Yes	10	Yes	10	45
38	4680	87030000	7.736	5	US-1 & SW 16 Av		0	88500	8	3.70%	1	F	5	129	10	Yes	10	Yes	10	44
39	2141	87281000	3.601	953	LeJeune Rd & NW 7 St		0	63500	6	7.00%	3	F	5	78	10	Yes	10	Yes	10	44
40	3108	87140000	13.598	7	NW 2 Av & NW 199 St	Yes	10	61000	6	12.60%	6	C	2	61	10	Yes	10		0	44
41	2999	87030000	2.115	5	US-1 & SW 62 Av	Yes	10	82500	8	2.70%	1	F	5			Yes	10	Yes	10	44
42	3125	87281000	5.308	953	LeJeune Rd & NW 31 St	Yes	10	94000	9	7.00%	3	C	2			Yes	10	Yes	10	44
43	5427	87090000	5.239	25	Okeechobee Rd & SR- 821 E	Yes	10	27000	2	23.40%	10	C	2	1972	0	Yes	10	Yes	10	44
44	4129	87281000	3.857	953	LeJeune Rd & NW 11 St		0	63500	6	7.00%	3	F	5	131	10	Yes	10	Yes	10	44
45	4804	87030000	2.333	5	US-1 & SW 73 St	Yes	10	82500	8	2.00%	1	F	5			Yes	10	Yes	10	44
46	4709	87090000	9.594	25	Okeechobee Rd & NW 95 St	Yes	10	64000	6	12.70%	6	C	2			Yes	10	Yes	10	44
47	5333	87220000	1.167	948	NW 36 St & Ludlam Rd	Yes	10	72500	7	8.50%	4	F	5	546	7	Yes	10		0	43
48	4405	87090000	10.132	25	Okeechobee Rd & SR- 826 SB	Yes	10	56500	5	12.90%	6	F	5	507	7	Yes	10		0	43
49	6405	87281000	5.138	953	LeJeune Rd & NW 28 St	Yes	10	94000	9	8.51%	4	C	2	407	8	Yes	10		0	43
50	3845	87002000	6.537	823	Red Rd & SR- 826 S	Yes	10	62000	6	5.80%	2	F	5	118	10	Yes	10		0	43
51	3669	87030000	3.223	5	US-1 & Alhambra Cir S	Yes	10	86500	8	1.80%	0	F	5			Yes	10	Yes	10	43
52	5428	87220000	0.223	948	NW 36 St Ext & SR- 826 NB	Yes	10	50500	5	9.40%	4	E	4			Yes	10	Yes	10	43
53	4533	87080900	31.243	934	NW 74 St & SR- 826 NB	Yes	10	51000	5	9.30%	4	E	4			Yes	10	Yes	10	43
54	4411	87090000	12.194	25	Okeechobee Rd & W 8 Av	Yes	10	55500	5	16.60%	8	C	2	451	7	Yes	10		0	42
55	3215	87140000	12.044	7	NW 2 Av & NW 7 Av Ext	Yes	10	61000	6	6.60%	3	F	5	433	8	Yes	10		0	42
56	2186	87030000	5.395	5	US-1 & Douglas Rd	Yes	10	81500	8	3.70%	1	F	5	349	8	Yes	10		0	42
57	3992	87140000	12.221	7	NW 2 Av & NW 177 St	Yes	10	61000	6	6.60%	3	F	5	337	8	Yes	10		0	42
58	5124	87090000	10.438	25	Okeechobee Rd & W 18 Av	Yes	10	56500	5	13.30%	6	C	2	240	9	Yes	10		0	42
59	2640	87037000	0.000	907	Alton Rd & 5 St		0	77000	7	5.30%	2	E	4	177	9	Yes	10	Yes	10	42
60	2010	87030000	21.947	5	US-1 & SR- 826	Yes	10	64500	6	9.40%	4	C	2	82	10	Yes	10		0	42
61	3163	87027000	3.247	948	NW 36 St Ext & Milam Dairy Rd	Yes	10	50500	5	10.90%	5	C	2	14	10	Yes	10		0	42

Top 150 Critical Intersections List

Rank #	Signal ID	Roadway ID	Signal MP	SR	Intersection	SIS / Freight Route	SIS Route Score	Max AADT	AADT Score	Max Truck %	Truck % Score	Intersection LOS	LOS Score	HCL Ranking by # of Crashes 2.1	Crash Score	On Truck Crash List	Truck Crash List Score	Bottleneck Rank	Bottleneck Score	Total Score
62	4896	87038000	0.035	25	Okee Frontage Rd & NW 103 St	Yes	10	18600	1	5.90%	2	C	2	523	7	Yes	10	Yes	10	42
63	4109	87038000	1.314	932	W 49 St & W 18 Ct		0	50000	5	13.30%	6	C	2	221	9	Yes	10	Yes	10	42
64	5429	87220000	0.034	948	NW 36 St & Palmetto SB Off	Yes	10	50500	5	10.00%	5	C	2			Yes	10	Yes	10	42
65	3614	87090000	10.316	25	Okeechobee Rd & SR- 826 NB	Yes	10	56500	5	15.20%	7	F	5	952	4	Yes	10		0	41
66	5994	87090000	5.675	25	Okeechobee Rd & NW 138 St	Yes	10	27000	2	23.40%	10	C	2	501	7	Yes	10		0	41
67	2620	87030000	4.864	5	US-1 & Grand Av	Yes	10	81500	8	3.70%	1	F	5	500	7	Yes	10		0	41
68	4619	87019000	3.741	817	NW 27 Av & NW 199 St	Yes	10	48000	4	12.60%	6	C	2	175	9	Yes	10		0	41
69	2720	87016000	0.758	112	Art Godfrey Rd & Indian Creek Dr	Yes	10	41000	4	4.00%	2	F	5	90	10	Yes	10		0	41
70	6120	87002000	7.103	823	Red Rd & NW 176 St	Yes	10	62000	6	5.80%	2	D	3			Yes	10	Yes	10	41
71	4238	87120000	6.184	90	SW 8 St & SR- 821 NB	Yes	10	60000	6	7.00%	3	C	2			Yes	10	Yes	10	41
72	4300	87240000	6.164	9	NW 27 Av & NW 60 St	Yes	10	39000	3	7.60%	3	F	5			Yes	10	Yes	10	41
73	3689	87240000	9.263	9	NW 27 Av & NW 110 St	Yes	10	46000	4	10.50%	5	C	2			Yes	10	Yes	10	41
74	3055	87052000	2.152	924	NW 119 St & I- 95 NB	Yes	10	18200	1	5.90%	2	F	5	1120	3	Yes	10	Yes	10	41
75	3220	87240000	9.464	9	NW 27 Av & NW 113 St	Yes	10	46000	4	10.50%	5	C	2			Yes	10	Yes	10	41
76	3840	87240000	9.584	9	NW 27 Av & NW 115 St	Yes	10	46000	4	10.50%	5	C	2			Yes	10	Yes	10	41
77	3523	87044000	4.192	976	Bird Rd & SR- 826 W	Yes	10	76000	7	6.80%	3	D	3	544	7	Yes	10		0	40
78	2498	87080900	36.970	934	NW 79 St & NW 22 Av	Yes	10	36500	3	12.60%	6	C	2	233	9	Yes	10		0	40
79	2523	87026000	5.529	860	Miami Gardens Dr & NW 2 Av	Yes	10	55500	5	7.30%	3	C	2	38	10	Yes	10		0	40
80	4852	87002000	4.462	823	Red Rd S & Gratigny Pkwy	Yes	10	43500	4	9.00%	4	C	2			Yes	10	Yes	10	40
81	4239	87120000	5.858	90	SW 8 St & SR- 821 SB	Yes	10	53500	5	7.00%	3	C	2			Yes	10	Yes	10	40
82	6969	87240000	3.170	9	NW 27 Av & SR- 836 WB	Yes	10	58500	5	10.70%	5	F	5	902	4	Yes	10		0	39
83	2483	87240000	5.276	9	NW 27 Av & NW 46 St	Yes	10	34000	3	12.60%	6	F	5	890	5	Yes	10		0	39
84	2500	87080900	35.952	934	NW 79 St & NW 32 Av	Yes	10	29000	2	12.60%	6	C	2	158	9	Yes	10		0	39
85	2908	87019000	2.740	817	NW 27 Av & Miami Gardens Dr	Yes	10	47000	4	6.40%	3	C	2	26	10	Yes	10		0	39
86	2954	87020000	19.071	5	US-1 & Killian Dr	Yes	10	91500	9	10.00%	5	F	5				0	Yes	10	39
87	3625	87030000	5.072	5	US-1 & Ponce de Leon Ext	Yes	10	81500	8	12.60%	6	F	5			Yes	10		0	39
88	2184	87030000	5.986	5	US-1 & SW 32 Av	Yes	10	89000	8	12.60%	6	F	5			Yes	10		0	39
89	2995	87060000	14.590	A1A	Collins Av & SR- 826 S		0	52500	5	5.80%	2	D	3	199	9	Yes	10	Yes	10	39
90	3841	87030000	24.332	5	US-1 & Aventura Blvd	Yes	10	73500	7	5.10%	2	D	3	614	6	Yes	10		0	38
91	2014	87170000	2.689	826	SR- 826 & NE 15 Av	Yes	10	54500	5	9.70%	4	C	2	586	7	Yes	10		0	38
92	3083	87066000	0.125	922	N Miami Blvd & I- 95 NB	Yes	10	28500	2	9.20%	4	F	5	569	7	Yes	10		0	38
93	2866	87080900	34.192	934	E 21 St & E 4 Av	Yes	10	32000	3	7.80%	3	F	5	506	7	Yes	10		0	38
94	3634	87080900	38.557	934	NW 79 St & I- 95 SB	Yes	10	25500	2	6.90%	3	F	5	428	8	Yes	10		0	38
95	2869	87080900	34.939	934	E 25 St & LeJeune Rd	Yes	10	35500	3	8.30%	4	C	2	194	9	Yes	10		0	38
96	2879	87038000	4.647	953	LeJeune Rd & E 49 St		0	45000	4	7.00%	3	C	2	169	9	Yes	10	Yes	10	38
97	2499	87080900	36.464	9	NW 27 Av & NW 79 St	Yes	10	37000	3	7.60%	3	C	2	116	10	Yes	10		0	38
98	3238	87026000	6.584	860	Miami Gardens Dr & I- 95 SB & NE 6 Av	Yes	10	45500	4	5.50%	2	C	2	86	10	Yes	10		0	38
99	3164	87019000	1.760	817	NW 27 Av & SR- 826 WB	Yes	10	47000	4	5.40%	2	C	2	23	10	Yes	10		0	38
100	4056	87019000	1.716	817	NW 27 Av & SR- 826 EB	Yes	10	47000	4	5.40%	2	C	2	15	10	Yes	10		0	38
101	5984	87120000	4.703	90	SW 8 St & SW 129 Pl	Yes	10	43500	4	5.90%	2	C	2			Yes	10	Yes	10	38
102	5319	87240000	10.983	9	NW 27 Av & Superior St	Yes	10	37500	3	7.60%	3	C	2			Yes	10	Yes	10	38
103	2919	87060001	0.060	A1A	Harding Av & 96 St		0	29000	2	12.40%	6	D	3	567	7	Yes	10	Yes	10	38
104	3743	87120000	8.045	90	SW 8 St & SW 97 Av	Yes	10	55000	5	5.30%	2	C	2	276	9		0	Yes	10	38
105	2507	87240000	8.313	9	NW 27 Av & NW 95 St -E leg	Yes	10	37000	3	7.60%	3	C	2			Yes	10	Yes	10	38
106	2013	87170000	3.192	826	SR- 826 & NE 19 Av	Yes	10	58000	5	12.60%	6	C	2	1010	4	Yes	10		0	37
107	2771	87016000	0.594	112	Art Godfrey Rd & Pine Tree Dr	Yes	10	41000	4	4.00%	2	F	5	654	6	Yes	10		0	37
108	3904	87140000	12.894	7	NW 2 Av & NW 188 St	Yes	10	55500	5	7.30%	3	C	2	596	7	Yes	10		0	37
109	4653	87300000	4.851	924	NW 119 St & NW 32 Av		0	40000	4	8.50%	4	B	1	371	8	Yes	10	Yes	10	37
110	2253	87120000	15.134	90	SW 27 Av & SW 8 St		0	40000	4	3.50%	1	D	3	253	9	Yes	10	Yes	10	37
111	3344	87002000	4.741	823	Red Rd & NW 138 St	Yes	10	43500	4	5.80%	2	C	2	241	9	Yes	10		0	37
112	2093	87080900	39.257	934	N 79 St & N Miami Av		0	25500	2	12.60%	6	C	2	565	7	Yes	10	Yes	10	37
113	2867	87080900	33.691	934	21 St & Palm Av	Yes	10	32000	3	12.60%	6	C	2	858	5	Yes	10		0	36
114	3861	87066000	0.068	922	N Miami Blvd & I- 95 SB	Yes	10	28500	2	9.20%	4	F	5	854	5	Yes	10		0	36
115	3559	87019000	0.735	817	NW 27 Av & NW 151 St	Yes	10	40000	4	8.50%	4	C	2	660	6	Yes	10		0	36
116	3612	87140000	13.096	7	NW 2 Av & NW 191 St	Yes	10	55500	5	7.30%	3	C	2	637	6	Yes	10		0	36
117	4889	87002000	8.746	823	Red Rd & NW 202 St	Yes	10	46500	4	6.20%	3	C	2	542	7	Yes	10		0	36
118	2497	87080900	37.483	934	NW 79 St & NW 17 Av	Yes	10	36500	3	7.00%	3	C	2	442	8	Yes	10		0	36
119	3403	87019000	4.351	817	NW 27 Av & NW 207 St	Yes	10	48000	4	4.60%	2	C	2	359	8	Yes	10		0	36
120	3531	87020000	17.387	5	US-1 & Howard Dr	Yes	10	68000	6	12.60%	6	F	5	162	9		0		0	36
121	3903	87220000	1.287	948	NW 36 St & NW 66 Av	Yes	10	72500	7	8.51%	4	F	5			Yes	10		0	36
122	2902	87220000	2.165	948	NW 36 St & Curtiss Pkwy	Yes	10	72500	7	8.50%	4	F	5			Yes	10		0	36

Top 150 Critical Intersections List

Rank #	Signal ID	Roadway ID	Signal MP	SR	Intersection	SIS / Freight Route	SIS Route Score	Max AADT	AADT Score	Max Truck %	Truck % Score	Intersection LOS	LOS Score	HCL Ranking by # of Crashes 2.1	Crash Score	On Truck Crash List	Truck Crash List Score	Bottleneck Rank	Bottleneck Score	Total Score
123	2665	87060000	4.913	A1A	Collins Av & 17 St		0	26500	2	6.60%	3	D	3	408	8	Yes	10	Yes	10	36
124	2794	87060000	3.598	A1A	5 St & Washington Av		0	44000	4	5.30%	2	C	2	345	8	Yes	10	Yes	10	36
125	3147	87020000	19.628	5	US-1 & SW 104 St	Yes	10	91500	9	5.40%	2	F	5				0	Yes	10	36
126	6578	87090000	3.866	25	Okeechobee Rd & NW 154 St	Yes	10	30000	3	34.40%	10	C	2	3028	0	Yes	10		0	35
127	4534	87080900	31.109	934	NW 74 St & SR- 826 SB	Yes	10	51000	5	13.10%	6	E	4	1604	0	Yes	10		0	35
128	4643	87002000	6.289	823	Red Rd & NW 163 St	Yes	10	40500	4	8.70%	4	C	2	870	5	Yes	10		0	35
129	4773	87140000	13.998	7	NW 2 Av & NW 204 St	Yes	10	61000	6	5.90%	2	C	2	817	5	Yes	10		0	35
130	4728	87090000	11.902	25	Okeechobee Rd & W 19 St	Yes	10	55500	5	16.60%	8	C	2			Yes	10		0	35
131	2846	87090000	13.546	25	Okeechobee Rd & Palm Av	Yes	10	68000	6	8.50%	4	F	5			Yes	10		0	35
132	2845	87090000	13.704	25	Okeechobee Rd & E 1 Av	Yes	10	68000	6	8.51%	4	F	5			Yes	10		0	35
133	2844	87090000	14.225	25	Okeechobee Rd & E 4 Av	Yes	10	68000	6	8.50%	4	F	5			Yes	10		0	35
134	3830	87220000	0.713	948	NW 36 St Ext @ NW 7100 Blk	Yes	10	72500	7	6.20%	3	F	5			Yes	10		0	35
135	3124	87281000	4.968	953	LeJeune Rd & NW 25 St	Yes	10	94000	9	8.90%	4	C	2			Yes	10		0	35
136	5267	87030000	24.907	5	US-1 & NE 208 St		0	65500	6	4.00%	2	C	2	840	5	Yes	10	Yes	10	35
137	4519	87038000	8.240	932	NW 103 St & I- 95 SB	Yes	10	25500	2	5.90%	2	F	5	725	6		0	Yes	10	35
138	2980	87008001	2.555	916	NW 27 Av & Opa-locka Blvd	Yes	10	37500	3	7.60%	3	C	2	557	7		0	Yes	10	35
139	2658	87060000	3.670	A1A	Collins Av & 5 St		0	44000	4	5.30%	2	C	2	529	7	Yes	10	Yes	10	35
140	2670	87060000	5.344	A1A	Collins Av & 23 St		0	26500	2	6.60%	3	D	3	450	7	Yes	10	Yes	10	35
141	2239	87240000	1.861	9	SW 27 Av & SW 6 St		0	38500	3	3.60%	1	C	2	207	9	Yes	10	Yes	10	35
142	6545	87090000	0.427	997	Krome Av & Okeechobee Rd SB	Yes	10	20500	2	20.00%	10	C	2	2311	0		0	Yes	10	34
143	5488	87090000	8.514	25	Okeechobee Rd & NW 105 Way	Yes	10	35037	3	16.70%	8	C	2	1457	1	Yes	10		0	34
144	3589	87019000	2.239	817	NW 27 Av & NW 175 St	Yes	10	47000	4	8.50%	4	C	2	965	4	Yes	10		0	34
145	3325	87044000	4.696	976	Bird Rd & SW 72 Av		0	75000	7	12.60%	6	F	5	651	6	Yes	10		0	34
146	2870	87080900	35.189	934	E 25 St & E 10 Av	Yes	10	26000	2	8.30%	4	C	2	603	6	Yes	10		0	34
147	3241	87030000	11.368	5	US-1 & NE 6 St	Yes	10	36000	3	2.00%	1	D	3	514	7	Yes	10		0	34
148	4140	87001000	8.012	94	Kendall Dr & SR- 874 SB Off & SR- 878 WB	Yes	10	58500	5	23.60%	10	C	2	491	7		0		0	34
149	6354	87030000	11.325	5	US-1 NB & NE 5 St	Yes	10	22500	2	4.00%	2	D	3	489	7	Yes	10		0	34
150	2679	87060000	6.669	A1A	Collins Av & Indian Creek Dr & 44 St		0	12000	1	5.30%	2	C	2	284	9	Yes	10	Yes	10	34
151	2737	87060000	1.634	A1A	MacArthur Cswy & Palm Isle & Hibiscus Isle		0	92000	9	2.50%	1	F	5	250	9	Yes	10		0	34
152	3977	87080900	32.683	934	W 21 St & W 8 Av	Yes	10	17800	1	5.00%	2	C	2	173	9	Yes	10		0	34
153	3650	87030000	1.456	5	US-1 & Ludlam Rd	Yes	10	82500	8	2.70%	1	F	5				0	Yes	10	34
154	4491	87030000	2.599	5	US-1 & SW 58 Av & SW 70 St	Yes	10	82500	8	2.69%	1	F	5			Yes	10		0	34
155	5223	87030000	2.667	5	US-1 @ SW 5700 Blk	Yes	10	82500	8	2.00%	1	F	5			Yes	10		0	34
156	2624	87030000	3.749	5	US-1 & Augusto St & Stanford Dr	Yes	10	86500	8	2.70%	1	F	5			Yes	10		0	34
157	2623	87030000	3.991	5	US-1 & Granada Blvd	Yes	10	86500	8	3.40%	1	F	5			Yes	10		0	34
158	2622	87030000	4.418	5	US-1 & Riviera Dr	Yes	10	86500	8	2.71%	1	F	5			Yes	10		0	34
159	6383	87090000	6.231	25	Okeechobee Rd & NW 107 Av	Yes	10	27000	2	23.40%	10	C	2			Yes	10		0	34
160	2847	87090000	13.641	25	Okeechobee Rd & Hialeah Dr	Yes	10	68000	6	7.20%	3	F	5			Yes	10		0	34
161	3383	87170000	0.728	826	SR- 826 & N Miami Av	Yes	10	65000	6	12.60%	6	C	2			Yes	10		0	34
162	6558	87070000	14.275	997	Krome Av & Okeechobee Rd NB	Yes	10	20500	2	20.00%	10	C	2	2438	0		0	Yes	10	34
163	2897	87027000	2.411	969	Milam Dairy Rd & NW 25 St		0	29500	2	13.60%	6	C	2	977	4	Yes	10	Yes	10	34
164	3753	87002000	3.757	823	Red Rd & W 68 St		0	30000	3	5.80%	2	C	2	498	7	Yes	10	Yes	10	34
165	3626	87030000	1.628	5	US-1 & SW 80 St	Yes	10	82500	8	2.70%	1	F	5				0	Yes	10	34

Appendix C: Phase III:

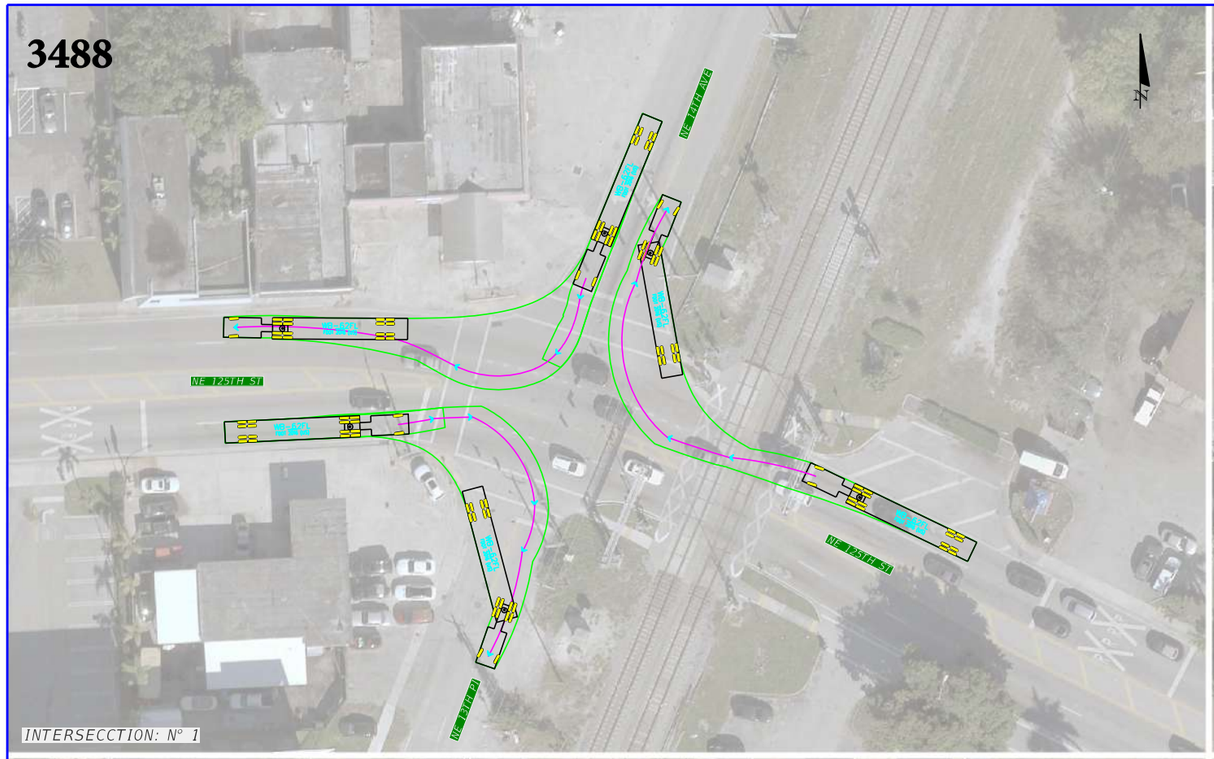
Final 62 Critical Signalized Intersections List

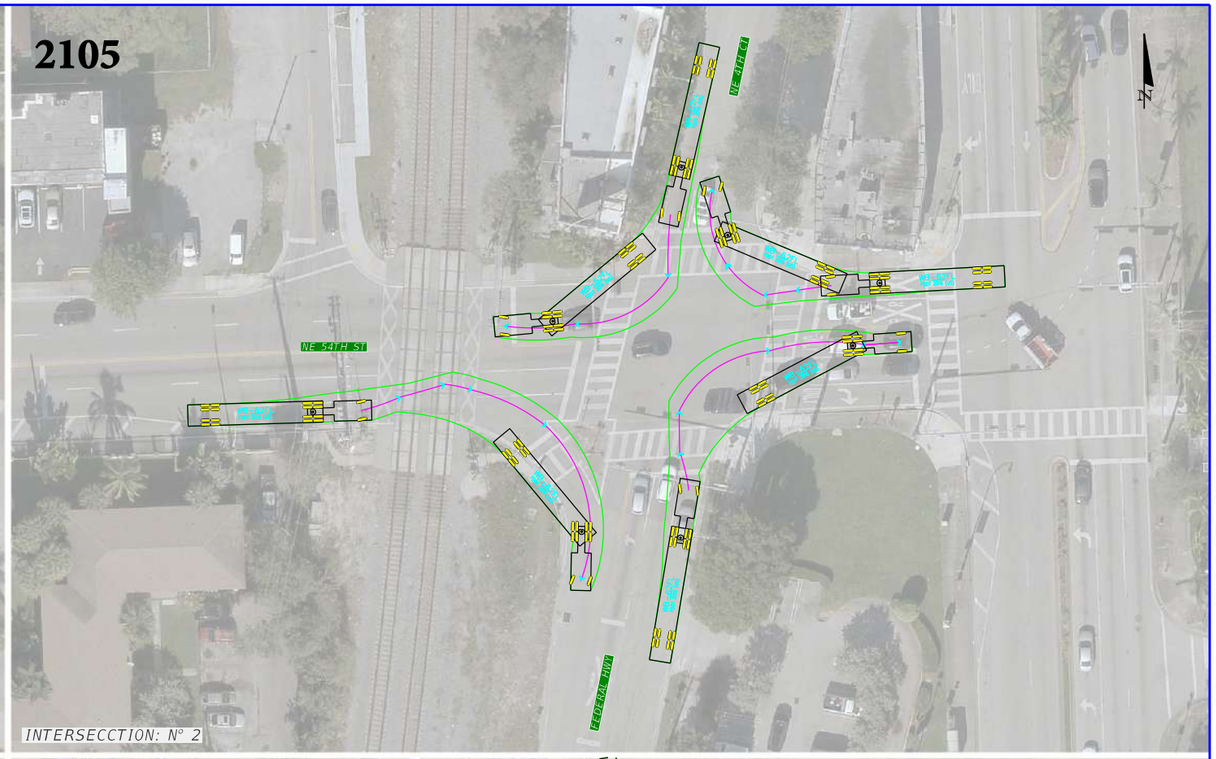
Final 62 Critical Signalized Intersection Ranked

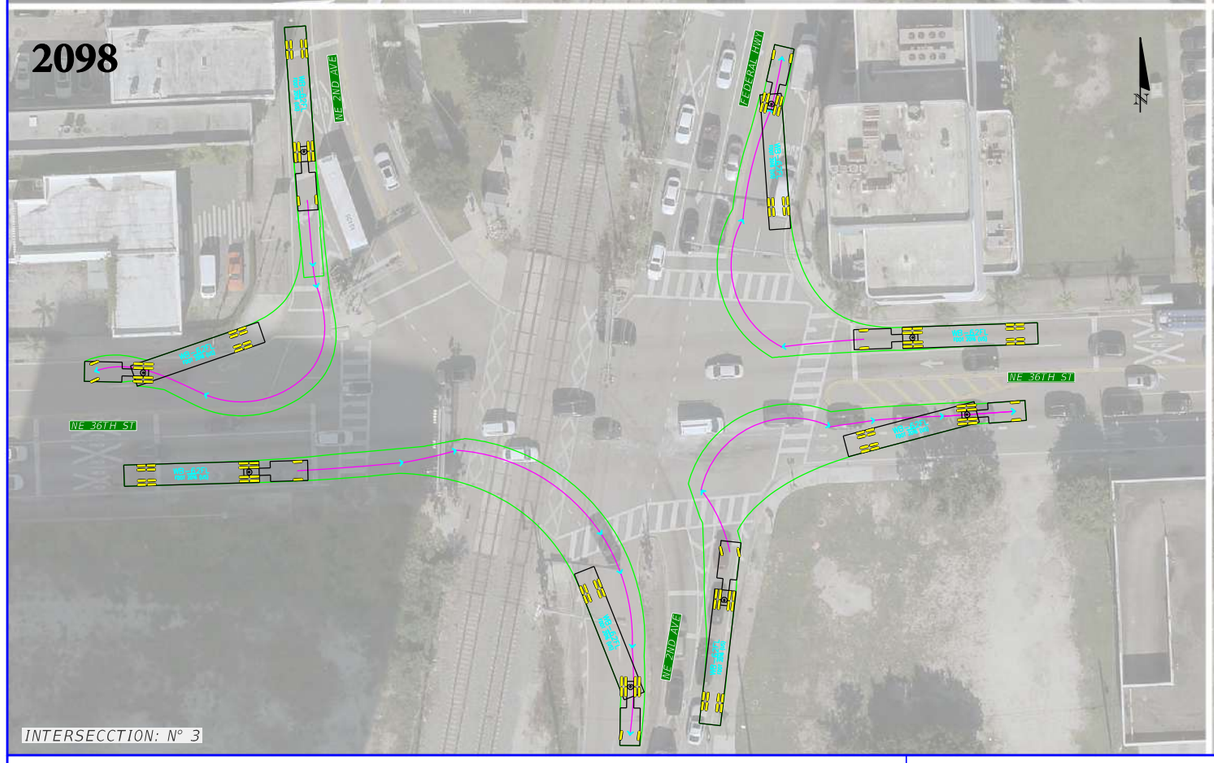
Rank #	NHFN	Existing Project	Signal ID	Roadway ID	Signal MP	SR	Intersection	Cost Estimate	FM	WORK MIX	STATUS	PM	EMAIL	PHONE	PROJECT DESCRIPTION
21	No	No	**2010**	87030000	21.947	5	US-1 & SR- 826	$ 28,965.15	None	Stand-alone Project	-	-	-	-	-
28	No	No	**2014**	87170000	2.689	826	SR- 826 & NE 15 Av	$ 167,707.58	None	Stand-alone Project	-	-	-	-	-
15	No	No	**2020**	87170000	0.474	826	SR- 826 & NW 2 Av	$ 75,011.31	None	Stand-alone Project	-	-	-	-	-
39	No	Yes	**2093**	87080900	39.257	934	N 79 St & N Miami Av	$ 146,476.52	4106465	ADD LANES & RECONSTRUCT	PRE-CONST.UNDERWAY	QUINTELA, RAUL	raul.quintela@dot.state.fl.us	305-470-5271	SR 934/NE/NW 79 ST FROM WEST OF I-95(13 CT.) TO END OF SR 934/1 WAY PR
62	No	No	**2097**	87030000	13.480	5	US-1 & NE 36 St	$ 318,866.75	None	Stand-alone Project	-	-	-	-	-
16	No	Yes	**2141**	87281000	3.601	953	LeJeune Rd & NW 7 St	$ 270,318.81	4478091	RESURFACING	PRE-CONST.UNDERWAY	BARRERA, JOSE	jose.barrera@dot.state.fl.us	305-470-5331	SR 953/LEJEUNE RD/SW 42ND AVE FROM N OF SW 8TH ST TO S OF NW 11TH ST
7	No	No	**2182**	87030000	6.520	5	US-1 & SW 27 Av	$ 80,340.70	None	Stand-alone Project	-	-	-	-	-
38	No	No	**2253**	87120000	15.134	90	SW 27 Av & SW 8 St	$ 196,199.42	None	Stand-alone Project	-	-	-	-	-
58	No	Yes	**2333**	87240000	2.722	9	NW 27 Av & NW 7 St	$ 72,212.40	4511241	PEDESTRIAN SAFETY IMPROVEMENT	CANDIDATE LINE ITEM	DURAN, MARIO	mario.duran@dot.state.fl.us	305-470-5183	SR 9/NW 27 AVE FROM NW 7 ST TO NW 36 ST
61	No	Yes	**2378**	87240000	3.231	9	NW 27 Av & NW 14 St	$ 89,073.90	4511241	PEDESTRIAN SAFETY IMPROVEMENT	CANDIDATE LINE ITEM	DURAN, MARIO	mario.duran@dot.state.fl.us	305-470-5183	SR 9/NW 27 AVE FROM NW 7 ST TO NW 36 ST
57	No	Yes	**2404**	87240000	3.744	9	NW 27 Av & North River Dr & NW 20 St	$ 250,334.10	4511241	PEDESTRIAN SAFETY IMPROVEMENT	CANDIDATE LINE ITEM	DURAN, MARIO	mario.duran@dot.state.fl.us	305-470-5183	SR 9/NW 27 AVE FROM NW 7 ST TO NW 36 ST
57	No	Yes	**2404**	87240000	3.744	9	NW 27 Av & North River Dr & NW 20 St	$ 250,334.10	4493661	INTERSECTION IMPROVEMENT	ADOPTED, NOT BEGUN	BARRERA, JOSE	jose.barrera@dot.state.fl.us	305-470-5331	SR 9/NW 27 AVENUE AND NW 20 STREET
24	No	Yes	**2483**	87240000	5.276	9	NW 27 Av & NW 46 St	$ 282,671.76	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA	nilia.cartaya@dot.state.fl.us	305-640-7557	SR 9/NW 27 AVE FROM MIA INTRMDAL CTR TO NW 215 ST/UNITY STN(PTC STUDY)
8	No	Yes	**2486**	87240000	5.787	9	NW 27 Av & NW 54 St	$ 554,058.44	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA	nilia.cartaya@dot.state.fl.us	305-640-7557	SR 9/NW 27 AVE FROM MIA INTRMDAL CTR TO NW 215 ST/UNITY STN(PTC STUDY)
13	No	Yes	**2489**	87240000	6.285	9	NW 27 Av & NW 62 St	$ 319,726.44	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA	nilia.cartaya@dot.state.fl.us	305-640-7557	SR 9/NW 27 AVE FROM MIA INTRMDAL CTR TO NW 215 ST/UNITY STN(PTC STUDY)
25	No	No	**2500**	87080900	35.952	934	NW 79 St & NW 32 Av	$ 271,215.64	None	Stand-alone Project	-	-	-	-	-
20	No	No	**2640**	87037000	0.000	907	Alton Rd & 5 St	$ 46,670.01	None	Stand-alone Project	-	-	-	-	-
48	No	No	**2658**	87060000	3.670	A1A	Collins Av & 5 St	Removed	NA	Removed	-	-	-	-	-
41	No	No	**2665**	87060000	4.913	A1A	Collins Av & 17 St	Removed	NA	Removed	-	-	-	-	-
49	No	No	**2670**	87060000	5.344	A1A	Collins Av & 23 St	$ 25,089.39	None	Stand-alone Project	-	-	-	-	-
9	No	No	**2677**	87016000	0.814	112	Art Godfrey Rd & Collins Av	Removed	NA	Removed	-	-	-	-	-
37	No	No	**2771**	87016000	0.594	112	Art Godfrey Rd & Pine Tree Dr	$ 54,233.45	None	Stand-alone Project	-	-	-	-	-
42	No	Yes	**2794**	87060000	3.598	A1A	S St & Washington Av	$ 23,198.85	4497101	PEDESTRIAN SAFETY IMPROVEMENT	PRE-CONST.UNDERWAY	NUNEZ, XIOMARA	xiomara.nunez@dot.state.fl.us	305-470-5404	CITY OF MIAMI BEACH - SOUTH BEACH PEDESTRIAN PRIORITY ZONE
45	Yes	Yes	**2845**	87090000	13.704	25	Okeechobee Rd & E 1 Av	$ 33,534.79	4478281	RESURFACING	PRE-CONST.UNDERWAY	MARTINEZ, PAOLA	paola.martinez@dot.state.fl.us	305-470-5210	SR 25/US-27/OKEECHOBEE RD FROM WEST OF 8TH AVE TO WEST OF SE 7TH AVE
52	Yes	No	**2847**	87090000	13.641	25	Okeechobee Rd & Hialeah Dr	$ 659.08	None	Stand-alone Project	-	-	-	-	-
30	No	No	**2866**	87080900	34.192	934	E 21 St & E 4 Av	$ 511,960.23	None	Stand-alone Project	-	-	-	-	-
32	No	No	**2869**	87080900	34.939	934	E 25 St & LeJeune Rd	$ 487,103.49	None	Stand-alone Project	-	-	-	-	-
50	No	No	**2870**	87080900	35.189	934	E 25 St & E 10 Av	$ 246,479.99	None	Stand-alone Project	-	-	-	-	-
33	No	No	**2879**	87038000	4.647	953	LeJeune Rd & E 49 St	$ 99,232.72	None	Stand-alone Project	-	-	-	-	-
40	No	No	**2902**	87220000	2.165	948	NW 36 St & Curtiss Pkwy	$ 5,146.42	None	Stand-alone Project	-	-	-	-	-
36	No	No	**2919**	87060001	0.060	A1A	Harding Av & 96 St	$ 21,265.87	None	Stand-alone Project	-	-	-	-	-
26	No	No	**2954**	87020000	19.071	5	US-1 & Killian Dr	$ 353,755.54	None	Stand-alone Project	-	-	-	-	-
10	No	No	**2955**	87020000	16.266	5	US-1 & Coral Reef Dr	$ 521,015.63	None	Stand-alone Project	-	-	-	-	-
47	No	No	**2980**	87008001	2.555	916	NW 27 Av & Opa-locka Blvd	$ 2,346.54	None	Stand-alone Project	-	-	-	-	-
53	No	Yes	**2981**	87240000	11.809	9	SR- 9 & NW 22 Av	$ 33,332.40	4510351	PEDESTRIAN SAFETY IMPROVEMENT	CANDIDATE LINE ITEM	RIVEROL, ELSA	elsa.riverol@dot.state.fl.us	305-470-5105	SR 9 AND NW 22 AVENUE
56	No	Yes	**2994**	87020000	13.796	5	US-1 & Quail Roost Dr	$ 228,457.80	4493681	SAFETY PROJECT	ADOPTED, NOT BEGUN	DURAN, MARIO	mario.duran@dot.state.fl.us	305-470-5183	SR 5/US-1 FROM MARLIN ROAD TO SW 184 STREET
27	No	No	**2995**	87060000	14.590	A1A	Collins Av & SR- 826 S	Removed	NA	Removed	-	-	-	-	-
1	No	No	**2998**	87030000	2.751	5	US-1 & Red Rd	$ 128,979.20	None	Stand-alone Project	-	-	-	-	-
17	No	No	**2999**	87030000	2.115	5	US-1 & SW 62 Av	$ 174,780.43	None	Stand-alone Project	-	-	-	-	-
2	Yes	Yes	**3048**	87090000	15.254	948	NW 36 St & North River Dr	$ 503,317.07	4385211	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	QUINTELA, RAUL	raul.quintela@dot.state.fl.us	305-470-5271	SR 953/NW 42 AVENUE WITH SR 948/NW 36 STREET AND SR 25/OKEECHOBEE ROAD
2	Yes	Yes	**3048**	87090000	15.254	948	NW 36 St & North River Dr	$ 503,317.07	4385212	PD&E/EMO STUDY	ADOPTED, NOT BEGUN	SOLAUN, JUDY	judy.solaun@dot.state.fl.us	305-470-5343	SR 953/NW 42 AVENUE WITH SR 948/NW 36 STREET AND SR 25/OKEECHOBEE ROAD
29	No	No	**3083**	87066000	0.125	922	N Miami Blvd & I- 95 NB	$ 47,674.15	None	Stand-alone Project	-	-	-	-	-
43	No	No	**3147**	87020000	19.628	5	US-1 & SW 104 St	$ 154,868.51	None	Stand-alone Project	-	-	-	-	-
3	Yes	No	**3198**	87002000	0.000	823	Red Rd & & Okeechobee Rd & W 9 St	$ 170,998.86	None	Stand-alone Project	-	-	-	-	-
5	Yes	No	**3608**	87090000	10.890	25	Okeechobee Rd & W 16 Av & W 29 St	$ 476,035.75	None	Stand-alone Project	-	-	-	-	-
31	No	Yes	**3634**	87080900	38.557	934	NW 79 St & I- 95 SB	$ 67,084.98	4106467	SAFETY PROJECT	ROW ACQUISITION BEG.	RAGHUNANDAN, RYAN	ryan.raghunandan@dot.state.fl.us	305-470-5301	SR 934/NW 79 STREET FROM NW 27 AVENUE TO NW 1 PLACE
31	No	Yes	**3634**	87080900	38.557	934	NW 79 St & I- 95 SB	$ 67,084.98	4106465	ADD LANES & RECONSTRUCT	PRE-CONST.UNDERWAY	QUINTELA, RAUL	raul.quintela@dot.state.fl.us	305-470-5271	SR 934/NE/NW 79 ST FROM WEST OF I-95(13 CT.) TO END OF SR 934/1 WAY PR
60	No	No	**3649**	87015000	3.032	989	US-1 & SW 112 Av	$ 13,145.48	None	Stand-alone Project	-	-	-	-	-
18	No	No	**3669**	87030000	3.223	5	US-1 & Alhambra Cir S	$ 23,253.87	None	Stand-alone Project	-	-	-	-	-
6	No	No	**3730**	87120000	5.523	90	SW 8 St & SW 122 Av	$ 80,195.98	None	Stand-alone Project	-	-	-	-	-
4	No	No	**3917**	87038000	1.125	932	NW 103 St & SR- 826 W	$ 36,519.84	None	Stand-alone Project	-	-	-	-	-
22	No	Yes	**4109**	87038000	1.314	932	W 49 St & W 18 Ct	$ 659.08	4459931	RESURFACING	PRE-CONST.UNDERWAY	DE LA CRUZ, JOAQUIN	joaquin.delacruz@dot.state.fl.us	305-470-5258	SR 932/NW 103 ST/W 49 ST FROM WEST OF NW 82 AVE TO EAST OF W 6 AVE
22	No	Yes	**4109**	87038000	1.314	932	W 49 St & W 18 Ct	$ 659.08	4511221	INTERSECTION IMPROVEMENT	CANDIDATE LINE ITEM	QUINTELA, RAUL	raul.quintela@dot.state.fl.us	305-470-5271	SR 932/WEST 49 STREET FROM SR 826 TO WEST 4 AVENUE
12	No	No	**4264**	87002000	7.534	823	Red Rd & Miami Gardens Dr	$ 2,912,087.33	None	Stand-alone Project	-	-	-	-	-
23	No	Yes	**4300**	87240000	6.164	9	NW 27 Av & NW 60 St	$ 140,273.38	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA	nilia.cartaya@dot.state.fl.us	305-640-7557	SR 9/NW 27 AVE FROM MIA INTRMDAL CTR TO NW 215 ST/UNITY STN(PTC STUDY)
19	Yes	Yes	**4411**	87090000	12.194	25	Okeechobee Rd & W 8 Av	$ 95,441.61	4478281	RESURFACING	PRE-CONST.UNDERWAY	MARTINEZ, PAOLA	paola.martinez@dot.state.fl.us	305-470-5210	SR 25/US-27/OKEECHOBEE RD FROM WEST OF 8TH AVE TO WEST OF SE 7TH AVE
51	No	No	**4491**	87030000	2.599	5	US-1 & SW 58 Av & SW 70 St	$ 49,788.21	None	Stand-alone Project	-	-	-	-	-
54	No	Yes	**4545**	87240000	10.653	9	NW 27 Av & NW 132 St	$ 53,268.93	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA	nilia.cartaya@dot.state.fl.us	305-640-7557	SR 9/NW 27 AVE FROM MIA INTRMDAL CTR TO NW 215 ST/UNITY STN(PTC STUDY)
44	No	No	**4643**	87002000	6.289	823	Red Rd & NW 163 St	$ 224,890.44	None	Stand-alone Project	-	-	-	-	-
14	No	No	**5130**	87120000	5.028	90	SW 8 St & SW 127 Av	$ 177,579.69	None	Stand-alone Project	-	-	-	-	-
11	No	No	**5210**	87002000	6.933	823	Red Rd & NW 173 Dr	$ 200,330.20	None	Stand-alone Project	-	-	-	-	-
46	No	No	**5267**	87030000	24.907	5	US-1 & NE 208 St	$ 9,720.10	None	Stand-alone Project	-	-	-	-	-
35	No	Yes	**5319**	87240000	10.983	9	NW 27 Av & Superior St	$ 59,749.55	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA	nilia.cartaya@dot.state.fl.us	305-640-7557	SR 9/NW 27 AVE FROM MIA INTRMDAL CTR TO NW 215 ST/UNITY STN(PTC STUDY)
34	No	No	**5984**	87120000	4.703	90	SW 8 St & SW 129 Pl	$ 44,893.00	None	Stand-alone Project	-	-	-	-	-
59	No	No	**6162**	87019000	0.178	817	NW 27 Av & Burlington St & SR- 9 SB	$ 139,885.23	None	Stand-alone Project	-	-	-	-	-
55	No	Yes	**6498**	87240000	8.282	9	NW 27 Av & NW 95 St -W leg	$ 24,167.88	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA	nilia.cartaya@dot.state.fl.us	305-640-7557	SR 9/NW 27 AVE FROM MIA INTRMDAL CTR TO NW 215 ST/UNITY STN(PTC STUDY)

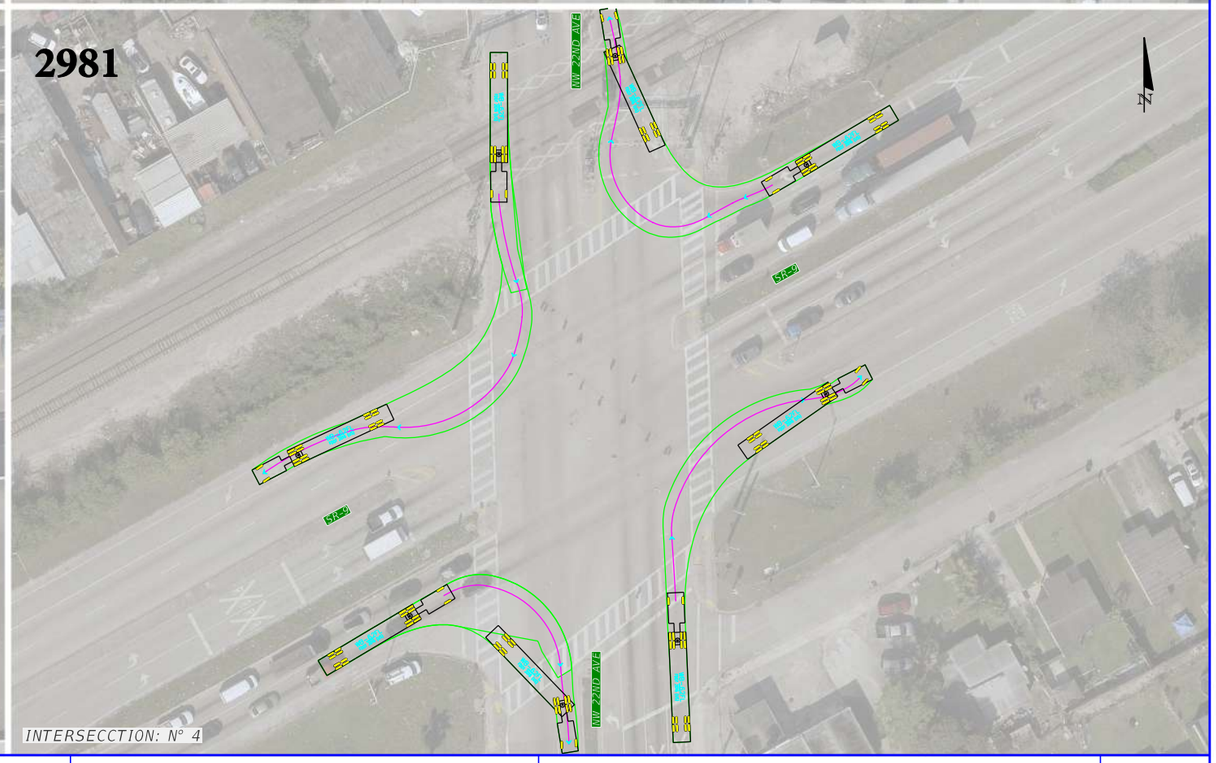
Appendix D: Auto-Turn Analysis

(Note: this appendix only includes the additional 10 locations as part of Phase 3 of this report)
(Please refer to the Phase 2 report appendix for all other intersection Auto-Turn Analysis)


3488
NE 125TH ST
NE 125TH ST
INTERSECCTION: N° 1

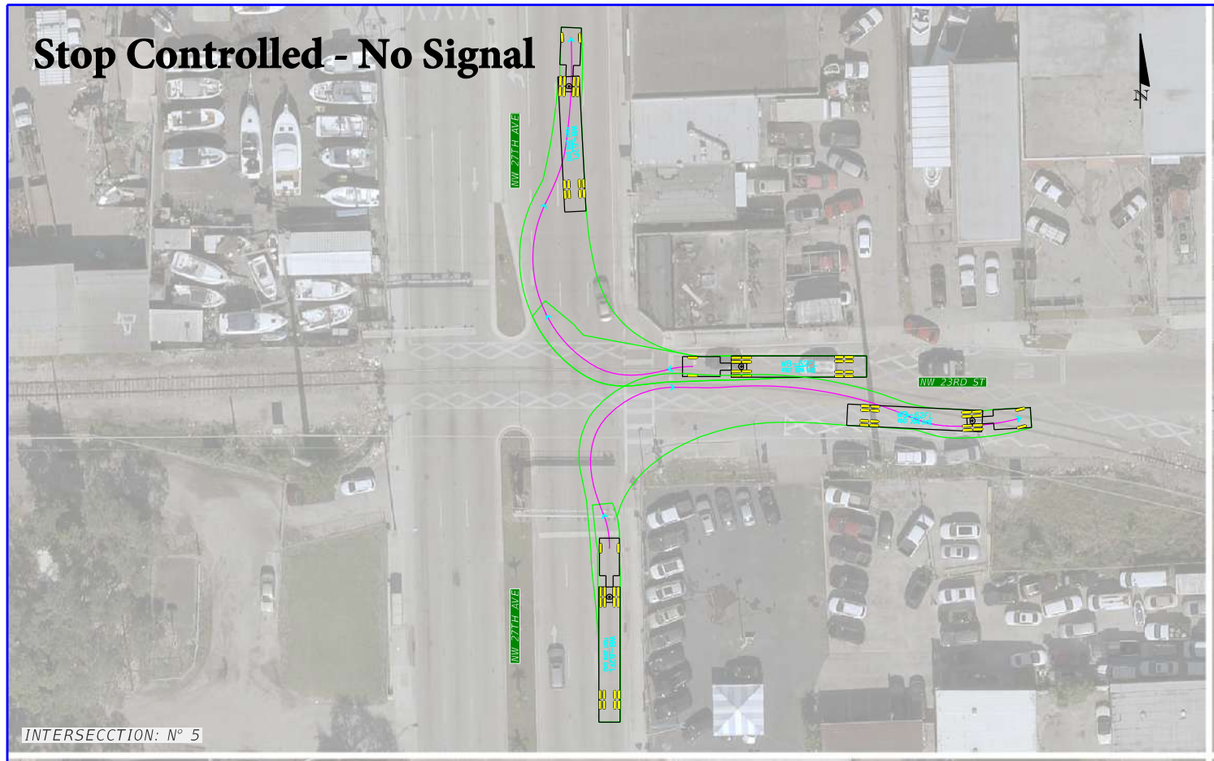

2105
NE 54TH ST
INTERSECCTION: N° 2


2098
NE 36TH ST
NE 36TH ST
INTERSECCTION: N° 3

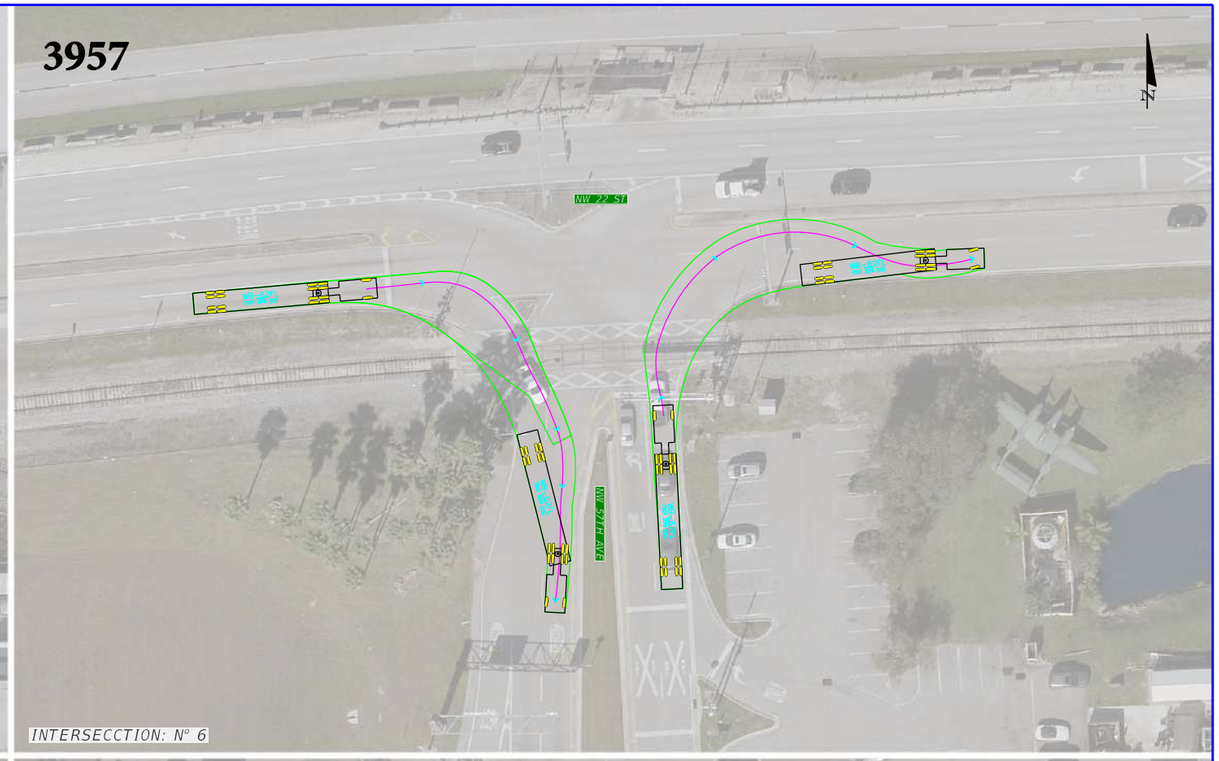

2981
INTERSECCTION: N° 4

				SHEET NO.
				1

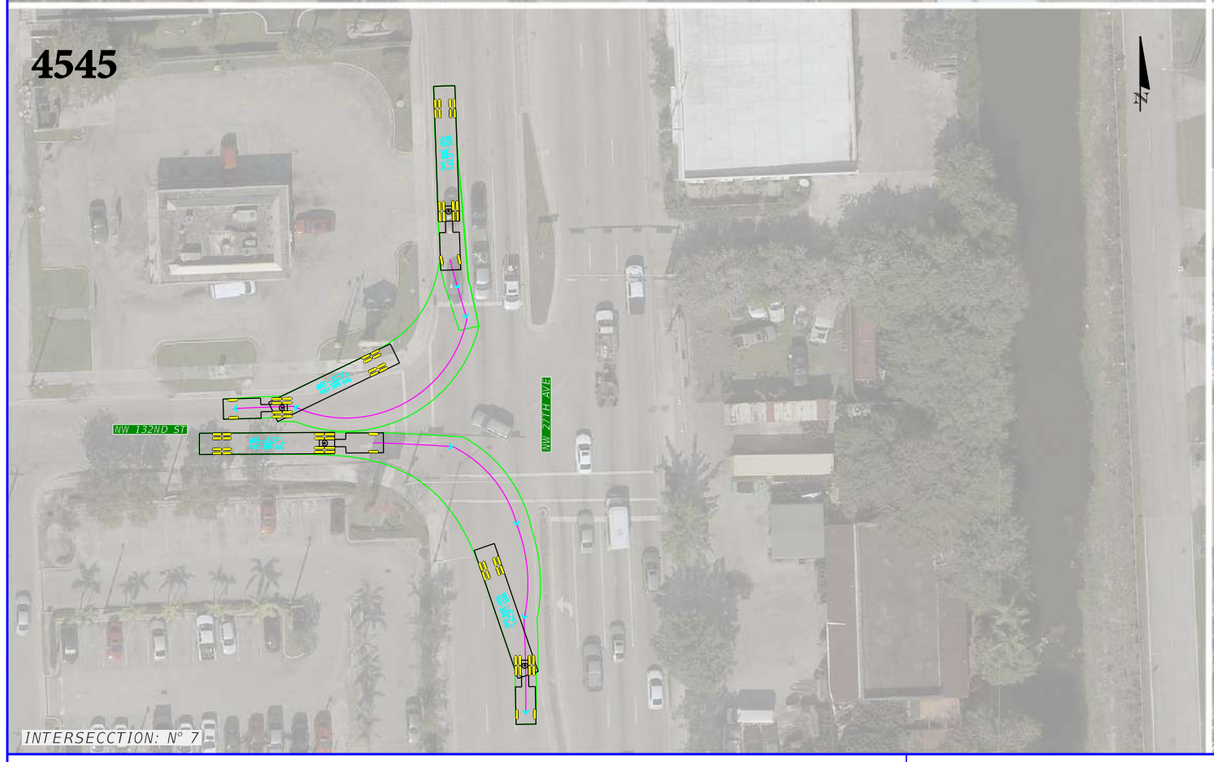
Stop Controlled - No Signal



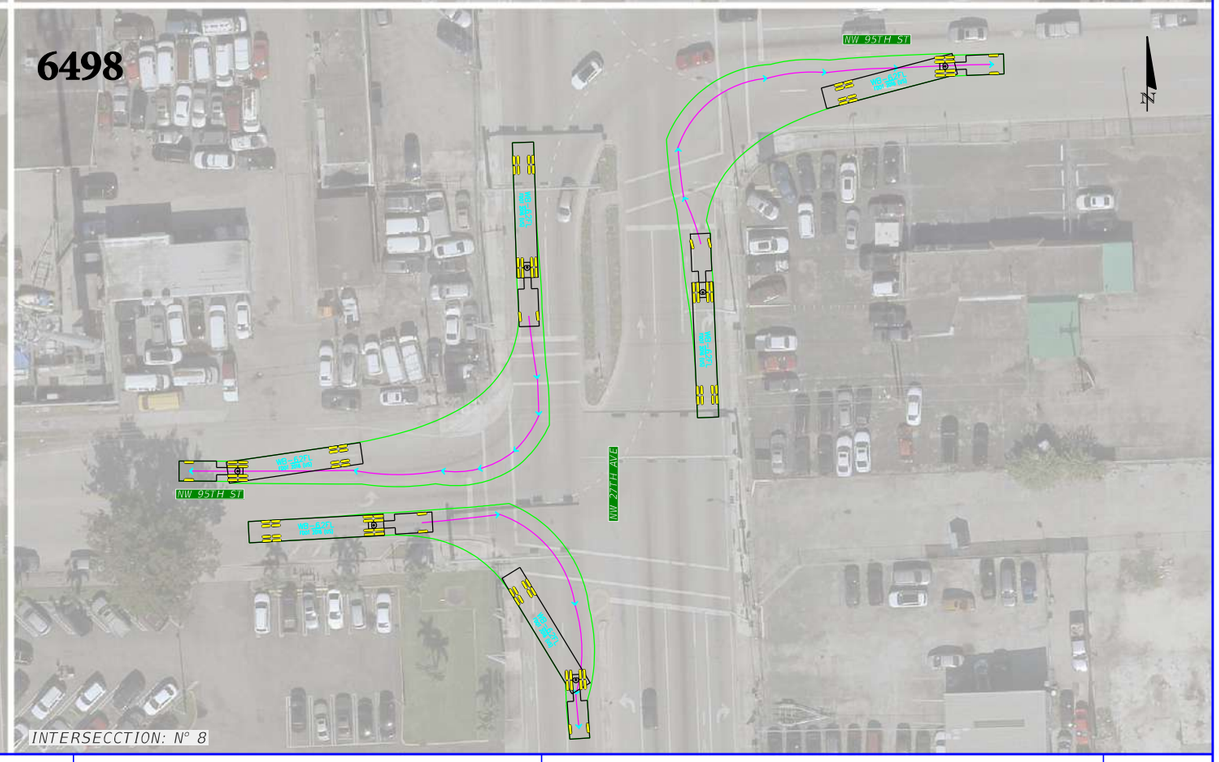
INTERSECCTION: N° 5



INTERSECCTION: N° 6

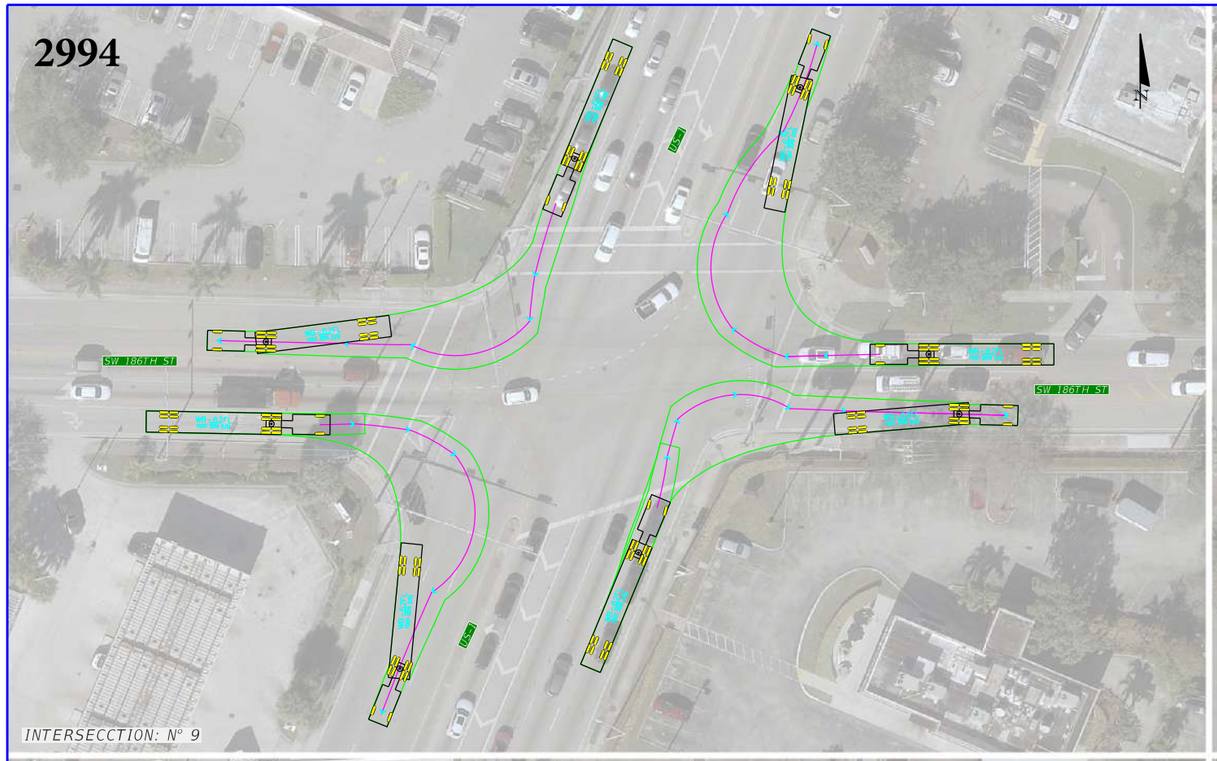


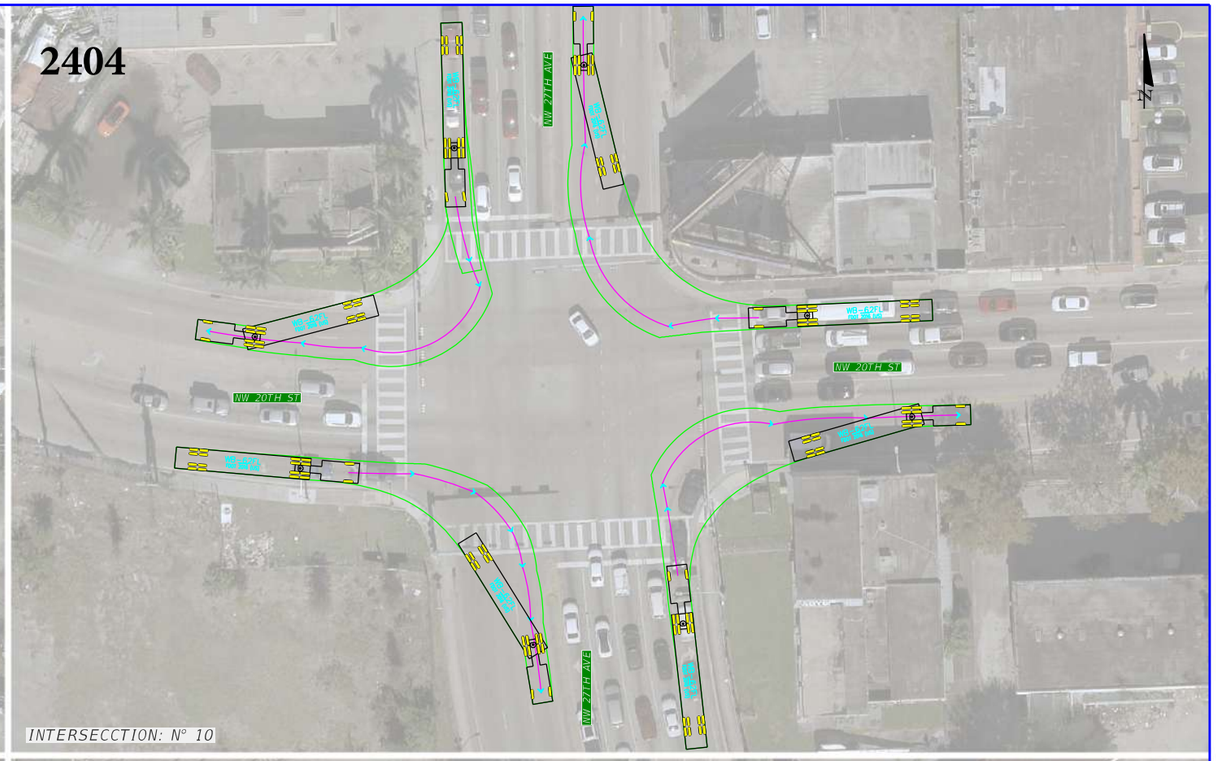
INTERSECCTION: N° 7

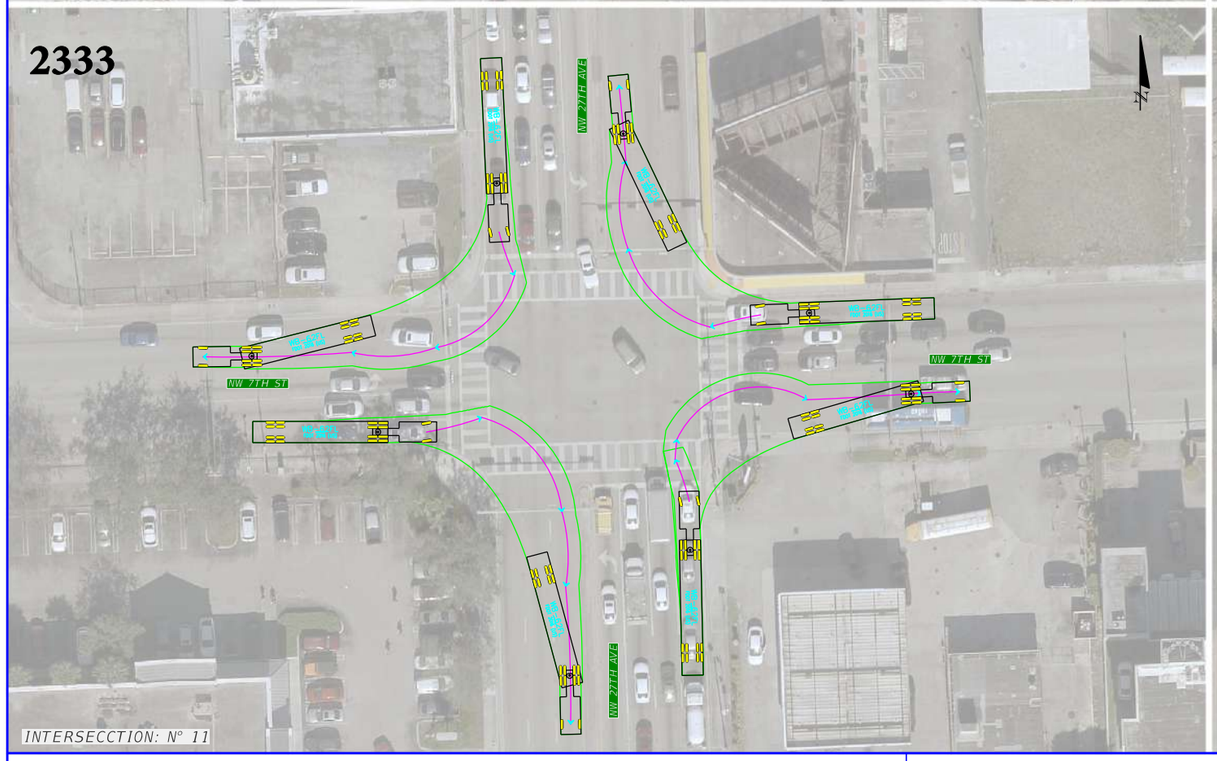


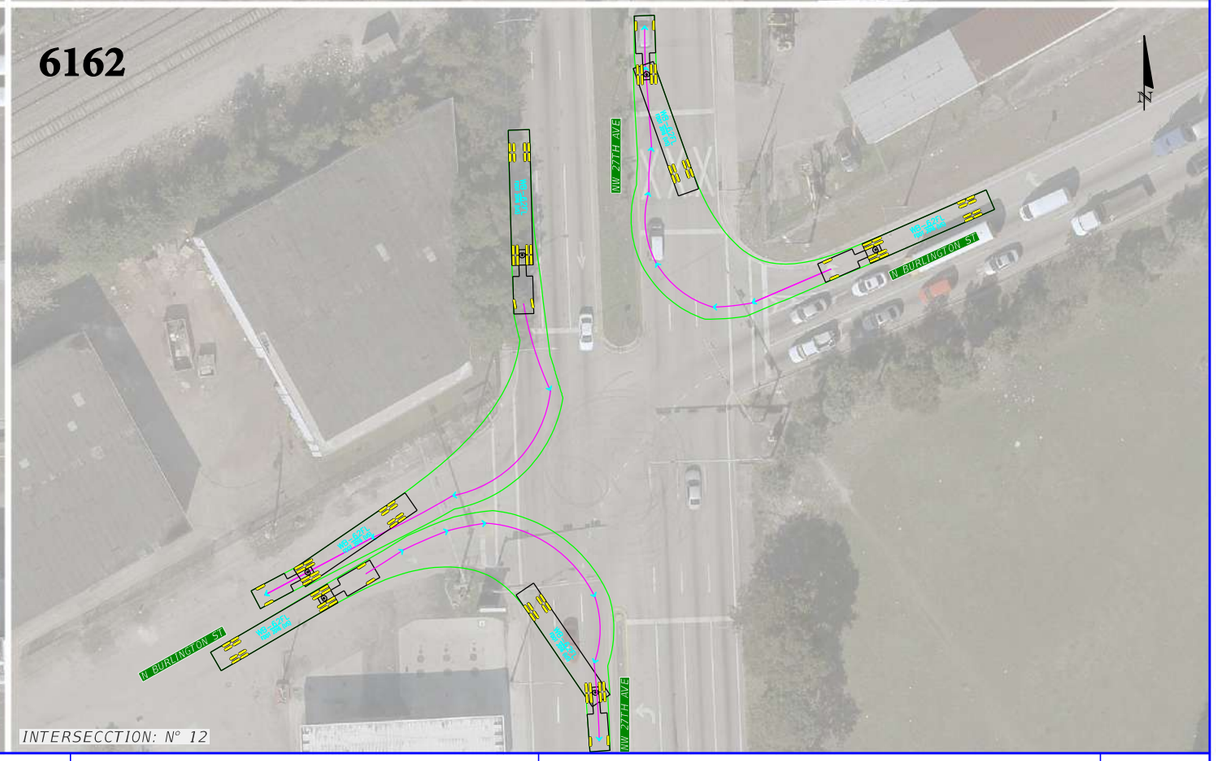
INTERSECCTION: N° 8

				SHEET NO.
				2

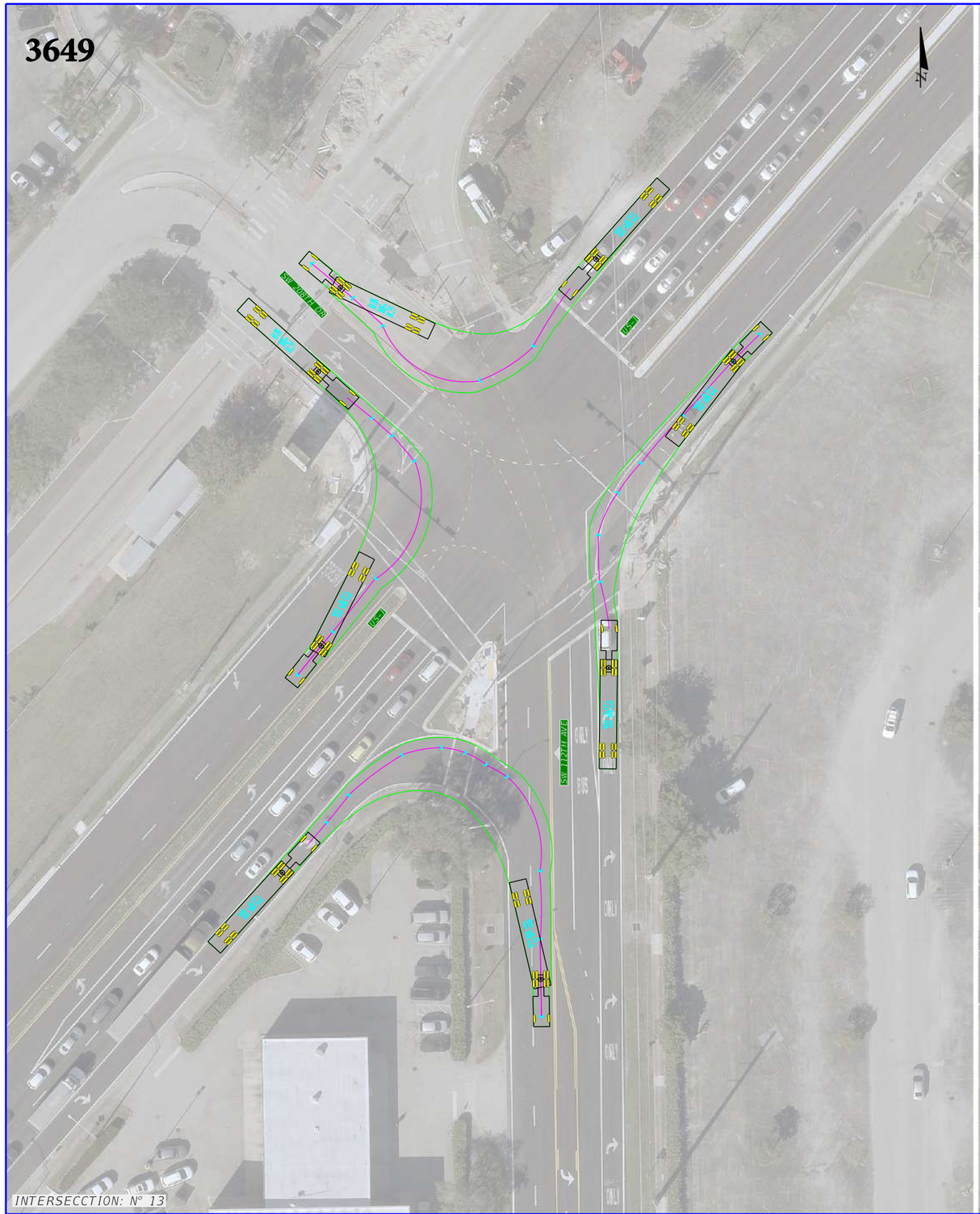

2994
SW 186TH ST
SW 186TH ST
INTERSECCTION: N° 9

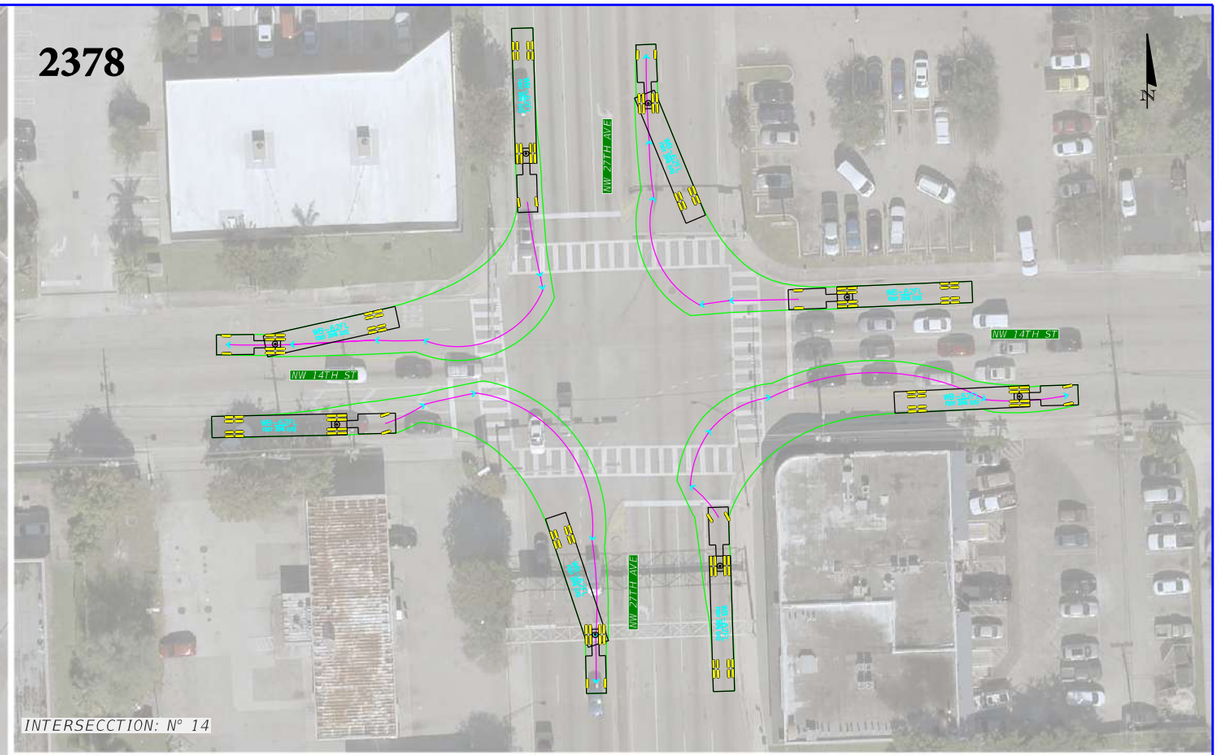

2404
NW 21TH AVE
NW 20TH ST
NW 20TH ST
NW 21TH AVE
INTERSECCTION: N° 10

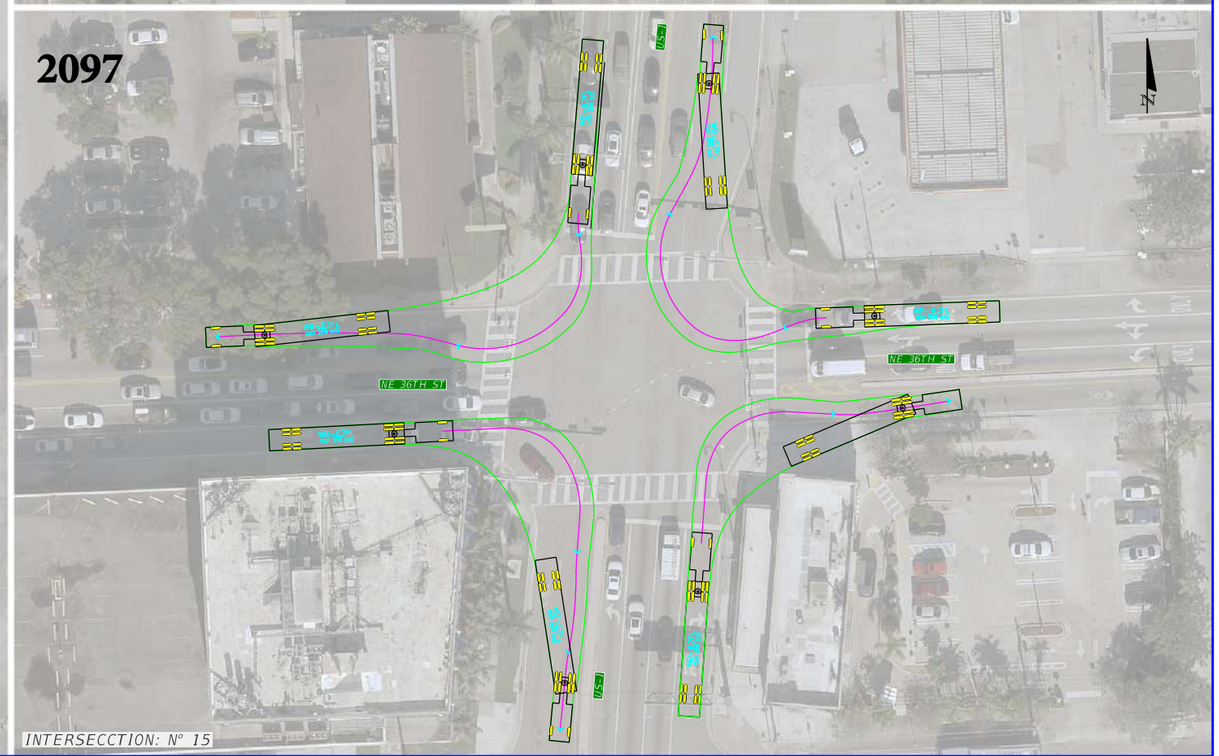

2333
NW 7TH AVE
NW 7TH ST
NW 7TH ST
NW 7TH AVE
INTERSECCTION: N° 11


6162
NW 7TH AVE
N BURLINGTON ST
N BURLINGTON ST
NW 7TH AVE
INTERSECCTION: N° 12

				SHEET NO.
				3


3649
N
SW 10TH AVE
SW 10TH PL
SW 10TH TER
SW 10TH CT
SW 10TH ST
SW 10TH AVE
SW 10TH PL
SW 10TH TER
SW 10TH CT
SW 10TH ST
US-1
US-1
FAIRFIELD DR
BUS ONLY
ONLY
ONLY
ONLY
INTERSECCTION: N° 13


2378
N
NW 14TH ST
NW 14TH ST
NW 14TH ST
NW 14TH ST
FAIRFIELD DR
FAIRFIELD DR
INTERSECCTION: N° 14


2097
N
NE 36TH ST
NE 36TH ST
NE 36TH ST
NE 36TH ST
US-1
US-1
INTERSECCTION: N° 15

				SHEET NO.
				4

Appendix E: Field Review Forms

(Note: this appendix only includes the additional 10 locations as part of Phase 3 of this report)
(Please refer to the Phase 2 report appendix for all other intersection Field Review Forms)

Asset ID #: 2017

Intersection: US 9 & NE 36 St

A----- Observed Damage:

- ☐ Guardrails
- ☐ Landscaping
- ☐ Ground-mounted signs
- ☑ Top-Over Curb
- ☐ Sidewalk
- ☐ Median

NE corner Damage to curb

Comments: NE corner shows tire marks on top of sidewalk. SE corner shows tire marks on curb ramp transitions. NW corner shows significant Damage on curb and sidewalk. SW is minor.

B ----- Impact to Vertical Objects:

- ☐ Signs
- ☐ Signal Poles
- ☐ Other (Specify in Comments)

Comments:

C ----- Operational Conflicts:

- ☐ Confirm/identify encroachment of trucks into adjacent lane(s)
- ☐ Are there any driveways/intersections on both the side street and main street that limit right-turn truck movements?
- ☐ Time to complete turns
- ☐ Any conflicts with traffic flow caused by trucks?

Comments:

Asset ID #: 2333

Intersection: NW 24th Ave & 7th Street

A----- Observed Damage:

- ☐ Guardrails
- ☐ Landscaping
- ☐ Ground-mounted signs
- ☑ Top-Over Curb
- ☐ Sidewalk
- ☐ Median

Comments: Top over curbs on the NE corner and on NW corner

B ----- Impact to Vertical Objects:

- ☐ Signs
- ☐ Signal Poles
- ☐ Other (Specify in Comments)

Comments:

C ----- Operational Conflicts:

- ☐ Confirm/identify encroachment of trucks into adjacent lane(s)
- ☐ Are there any driveways/intersections on both the side street and main street that limit right-turn truck movements?
- ☐ Time to complete turns
- ☐ Any conflicts with traffic flow caused by trucks?

Comments: PED Signal Head For the 2 & 4 Ped movement. Not Displaying walk, and facing wrong ways

Asset ID #: 2378

Intersection: NW 27th Ave & NW 14th Street

A----- Observed Damage:

- ☐ Guardrails
- ☐ Landscaping
- ☐ Ground-mounted signs
- ☑ Top-Over Curb
- ☐ Sidewalk
- ☐ Median

Comments: SE corner signs of Trucks running over the curb on Right turn. ALSO for NW corner

B ----- Impact to Vertical Objects:

- ☐ Signs
- ☐ Signal Poles
- ☐ Other (Specify in Comments)

Comments:

C ----- Operational Conflicts:

- ☐ Confirm/identify encroachment of trucks into adjacent lane(s)
- ☐ Are there any driveways/intersections on both the side street and main street that limit right-turn truck movements?
- ☐ Time to complete turns
- ☐ Any conflicts with traffic flow caused by trucks?

Comments:

Asset ID #: 2404

Intersection: NW 27th & NW 10th St

A----- Observed Damage:

- ☐ Guardrails
- ☐ Landscaping
- ☐ Ground-mounted signs
- ☑ Top-Over Curb
- ☑ Sidewalk
- ☐ Median

Comments: NE corner Has tire marks shown on the curb SE corner, shows significant Damage to Sidewalk and curb. NW corner shows TOP-over curb

B ----- Impact to Vertical Objects:

- ☐ Signs
- ☐ Signal Poles
- ☐ Other (Specify in Comments)

Comments:

C ----- Operational Conflicts:

- ☐ Confirm/identify encroachment of trucks into adjacent lane(s)
- ☐ Are there any driveways/intersections on both the side street and main street that limit right-turn truck movements?
- ☐ Time to complete turns
- ☐ Any conflicts with traffic flow caused by trucks?

Comments:

Asset ID #: 2981

Intersection: SR-9 & 32nd AVE

A----- Observed Damage:

- ☐ Guardrails
- ☐ Landscaping
- ☐ Ground-mounted signs
- ☑ Top-Over Curb
- ☐ Sidewalk
- ☐ Median

Comments: Minor Damage throughout the intersection.

B ----- Impact to Vertical Objects:

- ☐ Signs
- ☐ Signal Poles
- ☐ Other (Specify in Comments)

Comments:

C ----- Operational Conflicts:

- ☐ Confirm/identify encroachment of trucks into adjacent lane(s)
- ☐ Are there any driveways/intersections on both the side street and main street that limit right-turn truck movements?
- ☐ Time to complete turns
- ☐ Any conflicts with traffic flow caused by trucks?

Comments:

Asset ID #: 2994

Intersection: US 1 & Qual Routes Dr.

A----- Observed Damage:

- ☐ Guardrails
- ☐ Landscaping
- ☐ Ground-mounted signs
- ☑ Top-Over Curb
- ☐ Sidewalk
- ☑ Median

Comments: SW corner shows TOP-over Curb, ~~SW~~ EAST & West Leg medians Show top-over Curb & NE Corner rolls over into Drainage Structure

B ----- Impact to Vertical Objects:

- ☐ Signs
- ☐ Signal Poles
- ☐ Other (Specify in Comments)

Comments:

C ----- Operational Conflicts:

- ☐ Confirm/identify encroachment of trucks into adjacent lane(s)
- ☐ Are there any driveways/intersections on both the side street and main street that limit right-turn truck movements?
- ☐ Time to complete turns
- ☐ Any conflicts with traffic flow caused by trucks?

Comments: Ped Signal on NE corner would does not appear.

Asset ID #: 3649

Intersection: US1 & SW 112 AV

A----- Observed Damage:

- ☐ Guardrails
- ☐ Landscaping
- ☐ Ground-mounted signs
- ☑ Top-Over Curb NW (SBR)
- ☐ Sidewalk
- ☑ Median NW (NBL)

Comments: None

B ----- Impact to Vertical Objects:

- ☐ Signs
- ☐ Signal Poles
- ☐ Other (Specify in Comments)

Comments: None

C ----- Operational Conflicts:

- ☐ Confirm/identify encroachment of trucks into adjacent lane(s)
- ☐ Are there any driveways/intersections on both the side street and main street that limit right-turn truck movements?
- ☐ Time to complete turns
- ☐ Any conflicts with traffic flow caused by trucks?

Comments: All ADA Ped-Signals do not work. No audiable cross alert and no signal/light for crossing. Note: Construction is ongoing at NW leg along busway.

Asset ID #: 45 45

Intersection: NW 27th Ave & 132nd St

A----- Observed Damage:

- ☐ Guardrails
- ☐ Landscaping
- ☐ Ground-mounted signs
- ☑ Top-Over Curb
- ☑ Sidewalk
- ☐ Median

Comments: NW corner shows tire marks and Sidewalk Damage. SW corner shows minor Damage. Median on ~~RR~~ South leg shows

B ----- Impact to Vertical Objects:

- ☐ Signs
- ☑ Signal Poles
- ☐ Other (Specify in Comments)

Comments: The Signal Pole Base is Destroyed.

C ----- Operational Conflicts:

- ☐ Confirm/identify encroachment of trucks into adjacent lane(s)
- ☐ Are there any driveways/intersections on both the side street and main street that limit right-turn truck movements?
- ☐ Time to complete turns
- ☐ Any conflicts with traffic flow caused by trucks?

Comments:

Asset ID #: 616

Intersection: NW 27th & Burlington St

A----- Observed Damage:

- ☐ Guardrails
- ☐ Landscaping
- ☐ Ground-mounted signs
- ☐ Top-Over Curb
- ☐ Sidewalk
- ☐ Median

Comments: NW and SW corners show minor damage. NE corner shows worn out curb

B ----- Impact to Vertical Objects:

- ☐ Signs
- ☐ Signal Poles
- ☐ Other (Specify in Comments)

Comments:

C ----- Operational Conflicts:

- ☐ Confirm/identify encroachment of trucks into adjacent lane(s)
- ☐ Are there any driveways/intersections on both the side street and main street that limit right-turn truck movements?
- ☐ Time to complete turns
- ☐ Any conflicts with traffic flow caused by trucks?

Comments:

Asset ID #: 6498

Intersection: NW 27th Ave + NW 95th ST

A----- Observed Damage:

- ☐ Guardrails
- ☐ Landscaping
- ☐ Ground-mounted signs
- ☑ Top-Over Curb
- ☑ Sidewalk
- ☐ Median

Comments: SW corner shows tire marks on top of sidewalk. NW corner shows Damage on Side walk and curb

B ----- Impact to Vertical Objects:

- ☑ Signs
- ☐ Signal Poles
- ☐ Other (Specify in Comments)

Comments:

C ----- Operational Conflicts:

- ☐ Confirm/identify encroachment of trucks into adjacent lane(s)
- ☐ Are there any driveways/intersections on both the side street and main street that limit right-turn truck movements?
- ☐ Time to complete turns
- ☐ Any conflicts with traffic flow caused by trucks?

Comments:

Appendix F: Turn Movement Counts (TMCs)

(Note: this appendix only includes the additional 10 locations as part of Phase 3 of this report)
(Please refer to the Phase 2 report appendix for all other intersection TMCs)

US-1 at NE 36th Street

File Name : TMC-19 US-1 at NE 36th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 1

Groups Printed- Peds & Bikes

	US-1 Southbound			US-1 Northbound			NE 36th Street Westbound			NE 36th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
07:00 AM	4	1	5	2	0	2	1	0	1	3	0	3	11
07:15 AM	7	0	7	16	1	17	9	1	10	6	0	6	40
07:30 AM	5	0	5	1	0	1	5	0	5	3	0	3	14
07:45 AM	10	0	10	10	1	11	6	1	7	8	0	8	36
Total	26	1	27	29	2	31	21	2	23	20	0	20	101
08:00 AM	9	0	9	4	0	4	8	1	9	4	0	4	26
08:15 AM	11	1	12	6	0	6	4	1	5	11	0	11	34
08:30 AM	7	0	7	7	0	7	14	0	14	9	0	9	37
08:45 AM	2	0	2	5	0	5	6	1	7	6	1	7	21
Total	29	1	30	22	0	22	32	3	35	30	1	31	118
*** BREAK ***													
03:00 PM	4	2	6	11	0	11	5	1	6	6	2	8	31
03:15 PM	4	0	4	1	0	1	2	0	2	1	1	2	9
03:30 PM	12	0	12	8	1	9	7	0	7	4	0	4	32
03:45 PM	6	1	7	10	1	11	6	1	7	5	0	5	30
Total	26	3	29	30	2	32	20	2	22	16	3	19	102
04:00 PM	13	0	13	4	0	4	7	3	10	13	0	13	40
04:15 PM	12	0	12	13	0	13	4	3	7	3	1	4	36
04:30 PM	2	0	2	6	0	6	5	1	6	3	1	4	18
04:45 PM	3	0	3	11	0	11	3	1	4	7	0	7	25
Total	30	0	30	34	0	34	19	8	27	26	2	28	119
Grand Total	111	5	116	115	4	119	92	15	107	92	6	98	440
Apprch %	95.7	4.3		96.6	3.4		86	14		93.9	6.1		
Total %	25.2	1.1	26.4	26.1	0.9	27	20.9	3.4	24.3	20.9	1.4	22.3	

US-1 at NE 36th Street

File Name : TMC-19 US-1 at NE 36th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 2

	US-1 Southbound			US-1 Northbound			NE 36th Street Westbound			NE 36th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:45 AM													
07:45 AM	10	0	10	**10**	**1**	**11**	6	**1**	7	8	0	8	36
08:00 AM	9	0	9	4	0	4	8	1	9	4	0	4	26
08:15 AM	**11**	**1**	**12**	6	0	6	4	1	5	**11**	0	**11**	34
08:30 AM	7	0	7	7	0	7	**14**	0	**14**	9	0	9	**37**
Total Volume	37	1	38	27	1	28	32	3	35	32	0	32	133
% App. Total	97.4	2.6		96.4	3.6		91.4	8.6		100	0		
PHF	.841	.250	.792	.675	.250	.636	.571	.750	.625	.727	.000	.727	.899

US-1 at NE 36th Street

File Name : TMC-19 US-1 at NE 36th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 3

	US-1 Southbound			US-1 Northbound			NE 36th Street Westbound			NE 36th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 03:30 PM													
03:30 PM	12	0	12	8	**1**	9	**7**	0	7	4	0	4	32
03:45 PM	6	**1**	7	10	1	11	6	1	7	5	0	5	30
04:00 PM	**13**	0	**13**	4	0	4	7	**3**	**10**	**13**	0	**13**	**40**
04:15 PM	12	0	12	**13**	0	**13**	4	3	7	3	**1**	4	36
Total Volume	43	1	44	35	2	37	24	7	31	25	1	26	138
% App. Total	97.7	2.3		94.6	5.4		77.4	22.6		96.2	3.8		
PHF	.827	.250	.846	.673	.500	.712	.857	.583	.775	.481	.250	.500	.863

US-1 at NE 36th Street

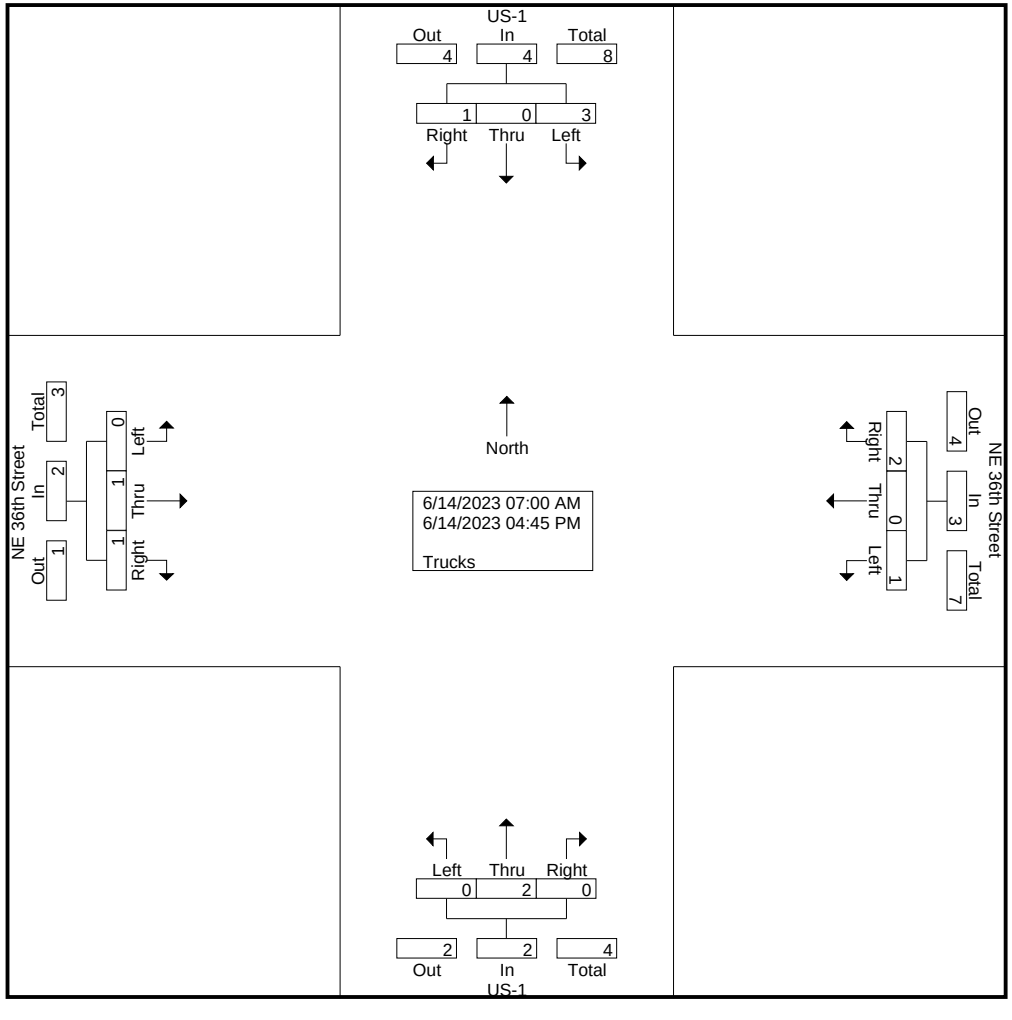
File Name : TMC-19 US-1 at NE 36th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 1

Groups Printed- Trucks

	US-1 Southbound					US-1 Northbound					NE 36th Street Westbound					NE 36th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	1	0	1	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3
07:15 AM	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
*** BREAK ***																					
Total	0	3	0	1	4	0	0	2	0	2	0	0	0	1	1	0	0	0	0	0	7
*** BREAK ***																					
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	2
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	2
*** BREAK ***																					
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	2
*** BREAK ***																					
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	2
*** BREAK ***																					
Grand Total	0	3	0	1	4	0	0	2	0	2	0	1	0	2	3	0	0	1	1	2	11
Apprch %	0	75	0	25		0	0	100	0		0	33.3	0	66.7		0	0	50	50		
Total %	0	27.3	0	9.1	36.4	0	0	18.2	0	18.2	0	9.1	0	18.2	27.3	0	0	9.1	9.1	18.2	

US-1 at NE 36th Street

File Name : TMC-19 US-1 at NE 36th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 2



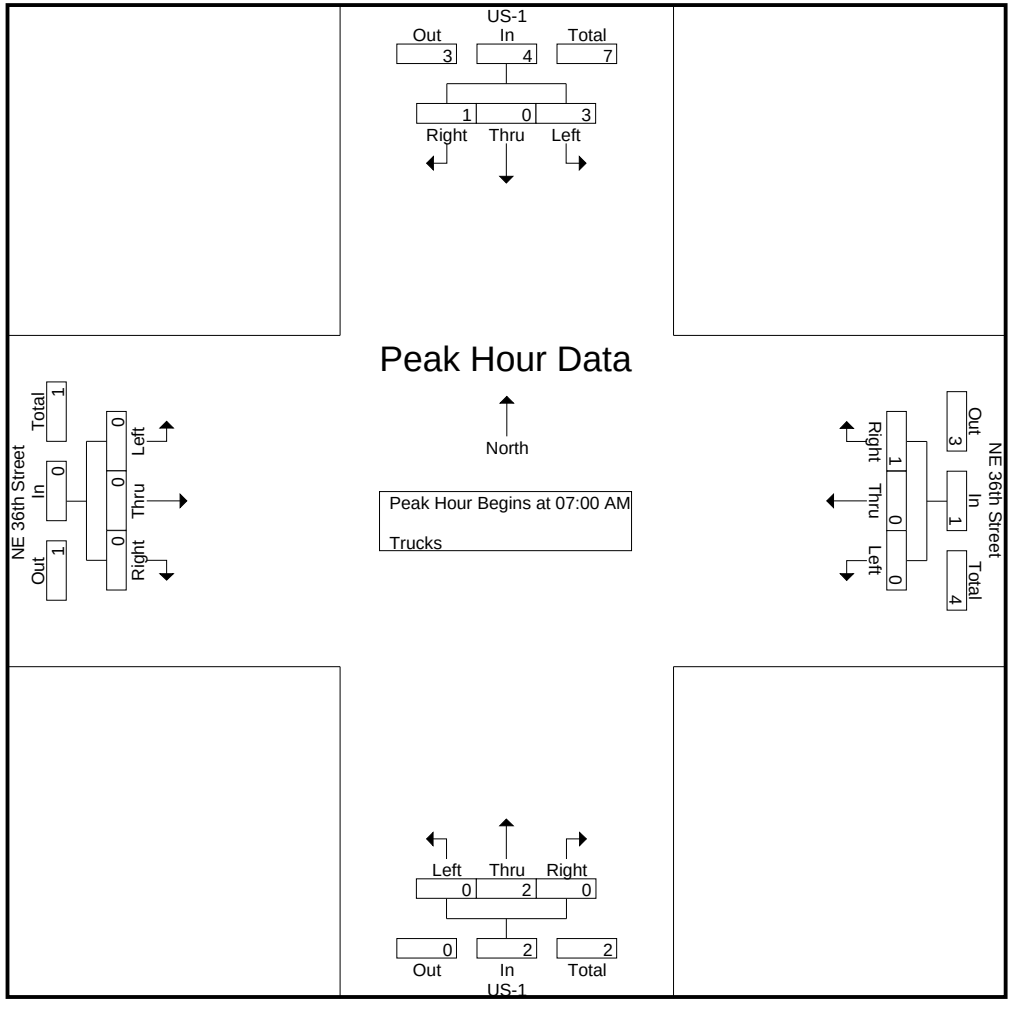
US-1 at NE 36th Street

File Name : TMC-19 US-1 at NE 36th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 3

	US-1 Southbound					US-1 Northbound					NE 36th Street Westbound					NE 36th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	1	0	**1**	**2**	0	0	**1**	0	**1**	0	0	0	0	0	0	0	0	0	0	**3**
07:15 AM	0	**2**	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	**1**	0	0	0	0	0	1
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	3	0	1	4	0	0	2	0	2	0	0	0	1	1	0	0	0	0	0	7
% App. Total	0	75	0	25		0	0	100	0		0	0	0	100		0	0	0	0		
PHF	.000	.375	.000	.250	.500	.000	.000	.500	.000	.500	.000	.000	.000	.250	.250	.000	.000	.000	.000	.000	.583

US-1 at NE 36th Street

File Name : TMC-19 US-1 at NE 36th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 4



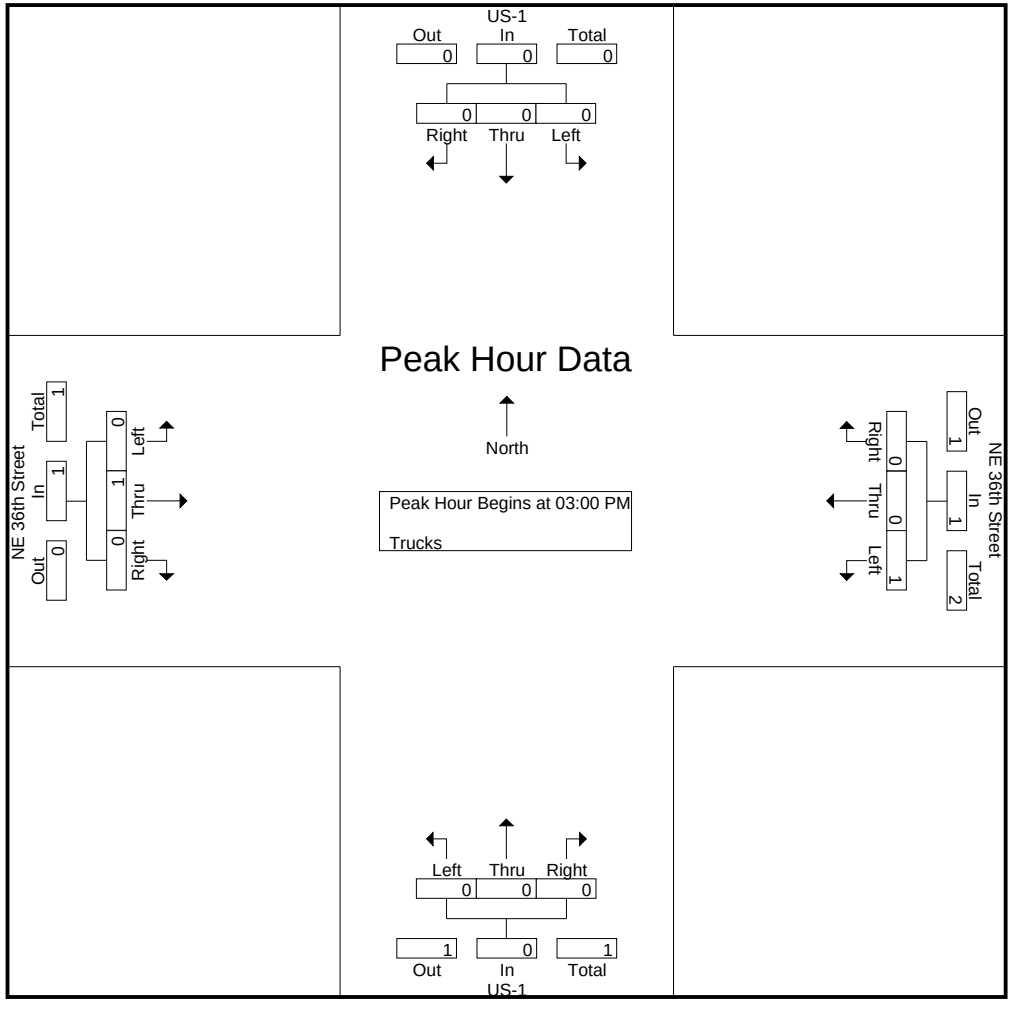
US-1 at NE 36th Street

File Name : TMC-19 US-1 at NE 36th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 5

	US-1 Southbound					US-1 Northbound					NE 36th Street Westbound					NE 36th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:00 PM																					
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**	0	0	**1**	0	**1**	**2**
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	2
% App. Total	0	0	0	0		0	0	0	0		0	100	0	0		0	0	100	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250	.000	.000	.250	.000	.000	.250	.000	.250	.250

US-1 at NE 36th Street

File Name : TMC-19 US-1 at NE 36th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 6



NW 27th Avenue at NW 7th Street

File Name : TMC-15 NW 27th Avenue at NW 7th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 1

Groups Printed- Peds & Bikes

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			NW 7th Street Westbound			NW 7th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
07:00 AM	0	0	0	3	0	3	2	4	6	2	1	3	12
07:15 AM	0	0	0	2	1	3	2	1	3	1	0	1	7
07:30 AM	3	0	3	1	0	1	6	0	6	5	0	5	15
07:45 AM	2	1	3	6	2	8	6	2	8	7	1	8	27
Total	5	1	6	12	3	15	16	7	23	15	2	17	61
08:00 AM	4	1	5	8	2	10	6	2	8	4	0	4	27
08:15 AM	9	0	9	2	2	4	2	1	3	6	1	7	23
08:30 AM	6	0	6	4	0	4	5	1	6	2	0	2	18
08:45 AM	5	0	5	5	0	5	6	0	6	4	2	6	22
Total	24	1	25	19	4	23	19	4	23	16	3	19	90
*** BREAK ***													
03:00 PM	3	0	3	3	1	4	0	0	0	1	0	1	8
03:15 PM	3	1	4	3	0	3	1	0	1	0	0	0	8
03:30 PM	3	2	5	3	0	3	5	2	7	3	2	5	20
03:45 PM	1	1	2	5	0	5	6	0	6	4	1	5	18
Total	10	4	14	14	1	15	12	2	14	8	3	11	54
04:00 PM	2	0	2	5	3	8	5	0	5	1	2	3	18
04:15 PM	1	0	1	3	0	3	2	0	2	3	2	5	11
04:30 PM	0	3	3	7	0	7	5	1	6	4	1	5	21
04:45 PM	4	0	4	10	2	12	4	1	5	5	1	6	27
Total	7	3	10	25	5	30	16	2	18	13	6	19	77
Grand Total	46	9	55	70	13	83	63	15	78	52	14	66	282
Apprch %	83.6	16.4		84.3	15.7		80.8	19.2		78.8	21.2		
Total %	16.3	3.2	19.5	24.8	4.6	29.4	22.3	5.3	27.7	18.4	5	23.4	

NW 27th Avenue at NW 7th Street

File Name : TMC-15 NW 27th Avenue at NW 7th Street
Site Code : 00000000
Start Date : 6/13/2023

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			NW 7th Street Westbound			NW 7th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:45 AM													
07:45 AM	2	**1**	3	6	**2**	8	**6**	**2**	**8**	**7**	**1**	**8**	**27**
08:00 AM	4	1	5	**8**	2	**10**	6	2	8	4	0	4	27
08:15 AM	**9**	0	**9**	2	2	4	2	1	3	6	1	7	23
08:30 AM	6	0	6	4	0	4	5	1	6	2	0	2	18
Total Volume	21	2	23	20	6	26	19	6	25	19	2	21	95
% App. Total	91.3	8.7		76.9	23.1		76	24		90.5	9.5		
PHF	.583	.500	.639	.625	.750	.650	.792	.750	.781	.679	.500	.656	.880

NW 27th Avenue at NW 7th Street

File Name : TMC-15 NW 27th Avenue at NW 7th Street
Site Code : 00000000
Start Date : 6/13/2023

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			NW 7th Street Westbound			NW 7th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:00 PM													
04:00 PM	2	0	2	5	**3**	8	**5**	0	5	1	**2**	3	18
04:15 PM	1	0	1	3	0	3	2	0	2	3	2	5	11
04:30 PM	0	**3**	3	7	0	7	5	**1**	**6**	4	1	5	21
04:45 PM	**4**	0	**4**	**10**	2	**12**	4	1	5	**5**	1	**6**	**27**
Total Volume	7	3	10	25	5	30	16	2	18	13	6	19	77
% App. Total	70	30		83.3	16.7		88.9	11.1		68.4	31.6		
PHF	.438	.250	.625	.625	.417	.625	.800	.500	.750	.650	.750	.792	.713

NW 27th Avenue at NW 7th Street

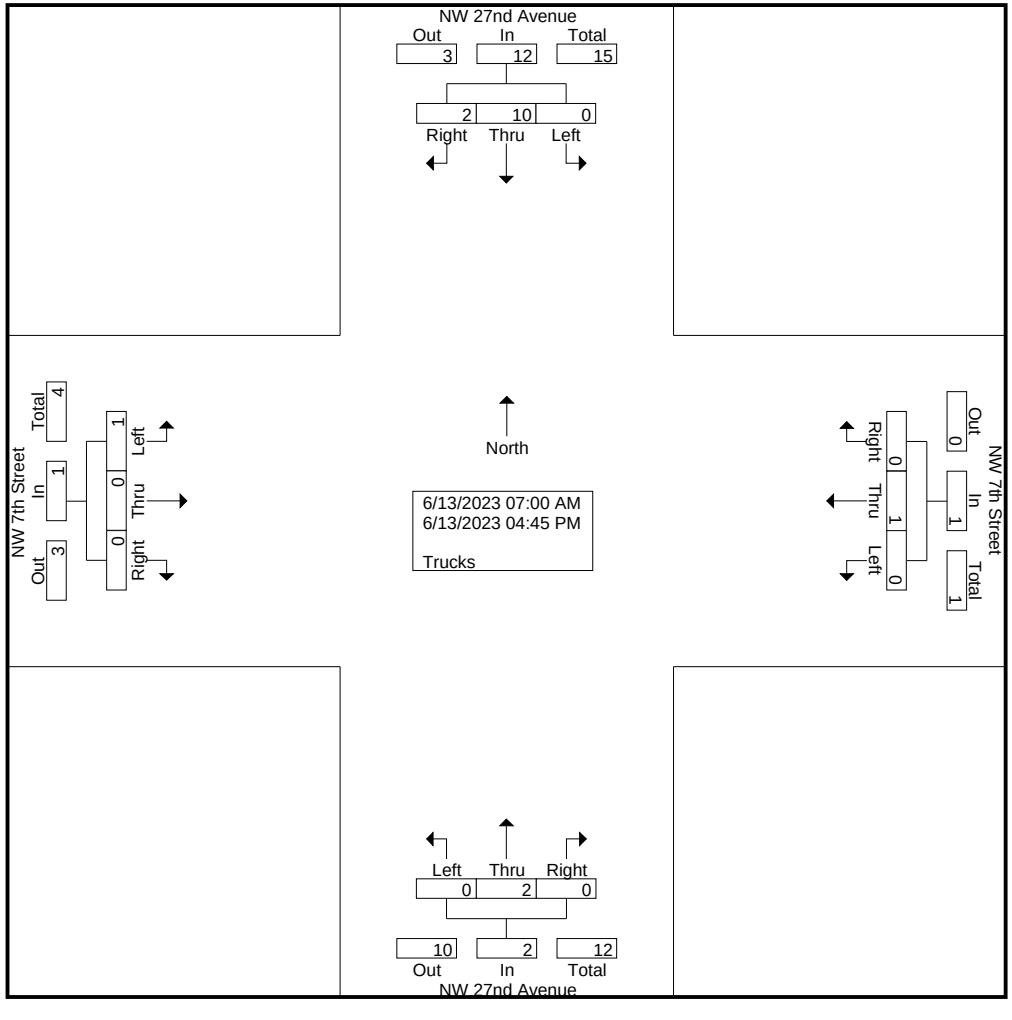
File Name : TMC-15 NW 27th Avenue at NW 7th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 1

Groups Printed- Trucks

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					NW 7th Street Westbound					NW 7th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
07:15 AM	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
07:30 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
07:45 AM	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	0	0	5	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
08:00 AM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
*** BREAK ***																					
08:30 AM	0	0	3	0	3	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	4
08:45 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	5	0	5	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	7
*** BREAK ***																					
03:00 PM	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
*** BREAK ***																					
Total	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
*** BREAK ***																					
04:45 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	2
Grand Total	0	0	10	2	12	0	0	2	0	2	0	0	1	0	1	0	1	0	0	1	16
Apprch %	0	0	83.3	16.7		0	0	100	0		0	0	100	0		0	100	0	0		
Total %	0	0	62.5	12.5	75	0	0	12.5	0	12.5	0	0	6.2	0	6.2	0	6.2	0	0	6.2	

NW 27th Avenue at NW 7th Street

File Name : TMC-15 NW 27th Avenue at NW 7th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 2



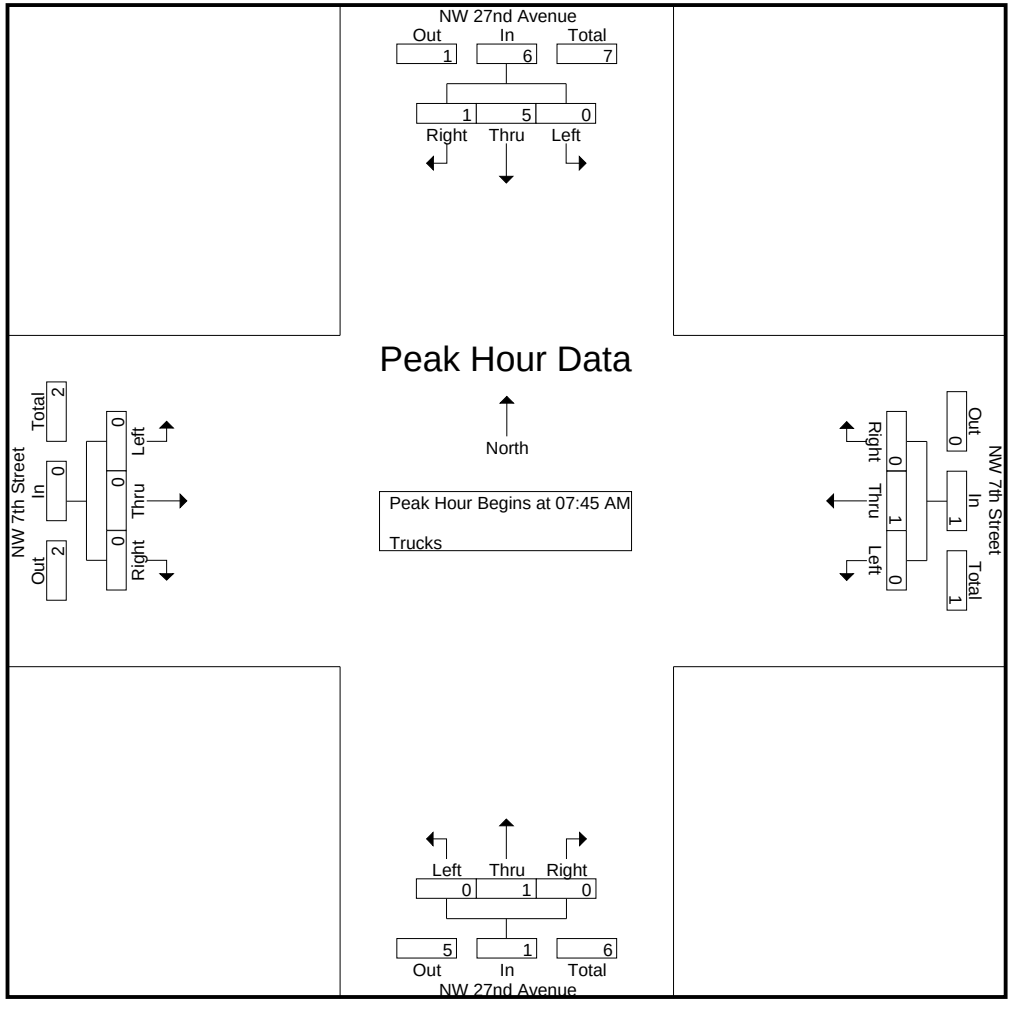
NW 27th Avenue at NW 7th Street

File Name : TMC-15 NW 27th Avenue at NW 7th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 3

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					NW 7th Street Westbound					NW 7th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:45 AM																					
07:45 AM	0	0	1	**1**	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08:00 AM	0	0	1	0	1	0	0	**1**	0	**1**	0	0	0	0	0	0	0	0	0	0	2
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30 AM	0	0	**3**	0	**3**	0	0	0	0	0	0	0	**1**	0	**1**	0	0	0	0	0	**4**
Total Volume	0	0	5	1	6	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	8
% App. Total	0	0	83.3	16.7		0	0	100	0		0	0	100	0		0	0	0	0		
PHF	.000	.000	.417	.250	.500	.000	.000	.250	.000	.250	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.500

NW 27th Avenue at NW 7th Street

File Name : TMC-15 NW 27th Avenue at NW 7th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 4



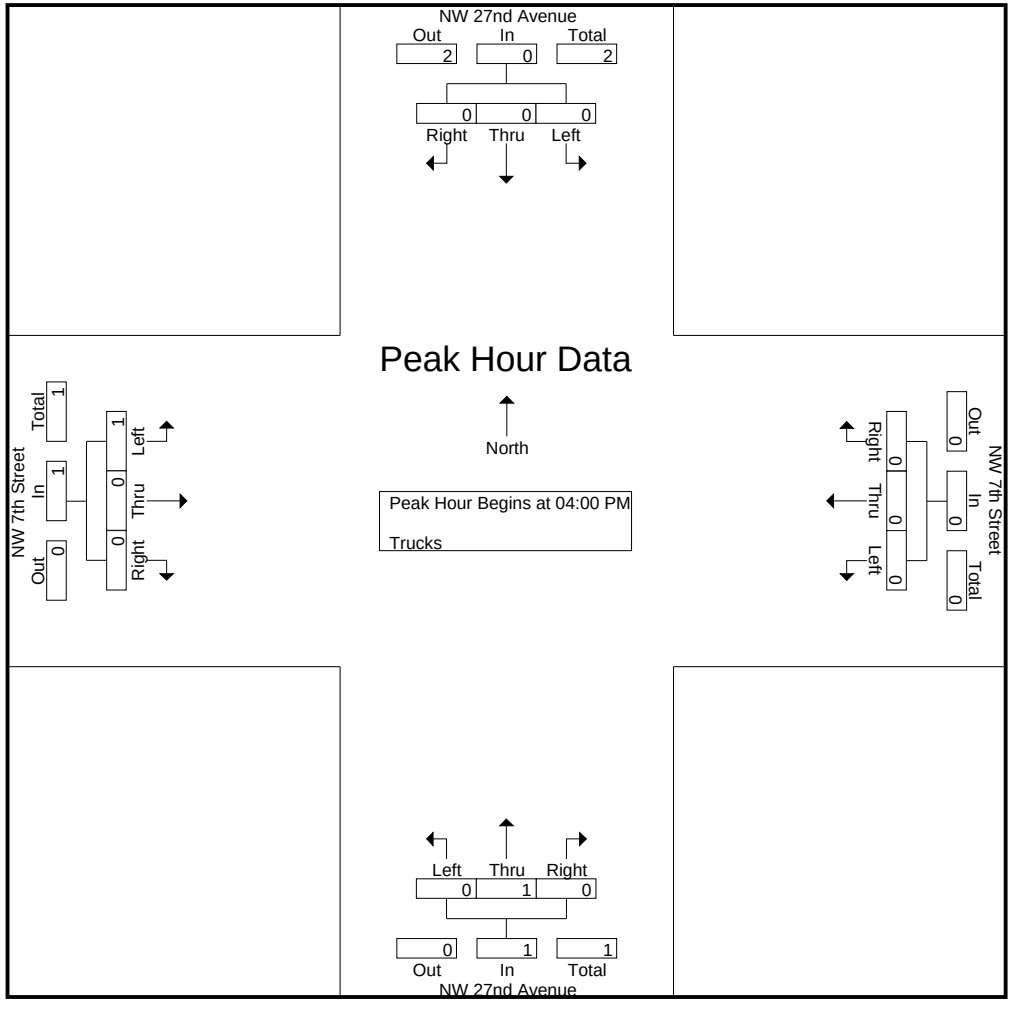
NW 27th Avenue at NW 7th Street

File Name : TMC-15 NW 27th Avenue at NW 7th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 5

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					NW 7th Street Westbound					NW 7th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**	**1**
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	**1**	0	**1**	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	2
% App. Total	0	0	0	0		0	0	100	0		0	0	0	0		0	100	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.000	.250	.000	.000	.250	.500

NW 27th Avenue at NW 7th Street

File Name : TMC-15 NW 27th Avenue at NW 7th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 6



NW 27th Avenue at NW 14th Street

File Name : TMC-18 NW 27th Avenue at NW 14th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 1

Groups Printed- Peds & Bikes

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			NW 14th Street Westbound			NW 14th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
07:00 AM	3	0	3	0	0	0	0	0	0	0	0	0	3
07:15 AM	6	1	7	0	0	0	0	0	0	0	0	0	7
07:30 AM	5	0	5	0	0	0	0	0	0	3	2	5	10
07:45 AM	1	0	1	1	0	1	0	0	0	0	2	2	4
Total	15	1	16	1	0	1	0	0	0	3	4	7	24
08:00 AM	5	0	5	0	0	0	0	2	2	0	0	0	7
08:15 AM	3	0	3	0	0	0	0	0	0	1	0	1	4
08:30 AM	2	0	2	1	0	1	5	1	6	1	0	1	10
08:45 AM	4	0	4	1	0	1	0	0	0	1	0	1	6
Total	14	0	14	2	0	2	5	3	8	3	0	3	27
*** BREAK ***													
03:00 PM	1	1	2	0	0	0	1	0	1	2	1	3	6
03:15 PM	0	0	0	0	0	0	0	0	0	1	2	3	3
03:30 PM	2	0	2	0	0	0	0	1	1	3	0	3	6
03:45 PM	0	0	0	1	0	1	2	0	2	0	2	2	5
Total	3	1	4	1	0	1	3	1	4	6	5	11	20
04:00 PM	0	0	0	1	0	1	0	0	0	0	0	0	1
04:15 PM	2	0	2	0	0	0	2	0	2	0	1	1	5
04:30 PM	0	0	0	0	0	0	1	0	1	0	4	4	5
04:45 PM	0	0	0	3	1	4	2	0	2	0	2	2	8
Total	2	0	2	4	1	5	5	0	5	0	7	7	19
Grand Total	34	2	36	8	1	9	13	4	17	12	16	28	90
Apprch %	94.4	5.6		88.9	11.1		76.5	23.5		42.9	57.1		
Total %	37.8	2.2	40	8.9	1.1	10	14.4	4.4	18.9	13.3	17.8	31.1	

NW 27th Avenue at NW 14th Street

File Name : TMC-18 NW 27th Avenue at NW 14th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 2

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			NW 14th Street Westbound			NW 14th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:15 AM													
07:15 AM	**6**	**1**	**7**	0	0	0	0	0	0	0	0	0	7
07:30 AM	5	0	5	0	0	0	0	0	0	**3**	**2**	**5**	**10**
07:45 AM	1	0	1	**1**	0	**1**	0	0	0	0	2	2	4
08:00 AM	5	0	5	0	0	0	0	**2**	**2**	0	0	0	7
Total Volume	17	1	18	1	0	1	0	2	2	3	4	7	28
% App. Total	94.4	5.6		100	0		0	100		42.9	57.1		
PHF	.708	.250	.643	.250	.000	.250	.000	.250	.250	.250	.500	.350	.700

NW 27th Avenue at NW 14th Street

File Name : TMC-18 NW 27th Avenue at NW 14th Street
Site Code : 00000000
Start Date : 6/13/2023

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			NW 14th Street Westbound			NW 14th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 03:00 PM													
03:00 PM	1	**1**	**2**	0	0	0	1	0	1	2	1	**3**	**6**
03:15 PM	0	0	0	0	0	0	0	0	0	1	**2**	3	3
03:30 PM	**2**	0	2	0	0	0	0	**1**	1	**3**	0	3	6
03:45 PM	0	0	0	**1**	0	**1**	**2**	0	**2**	0	2	2	5
Total Volume	3	1	4	1	0	1	3	1	4	6	5	11	20
% App. Total	75	25		100	0		75	25		54.5	45.5		
PHF	.375	.250	.500	.250	.000	.250	.375	.250	.500	.500	.625	.917	.833

NW 27th Avenue at NW 14th Street

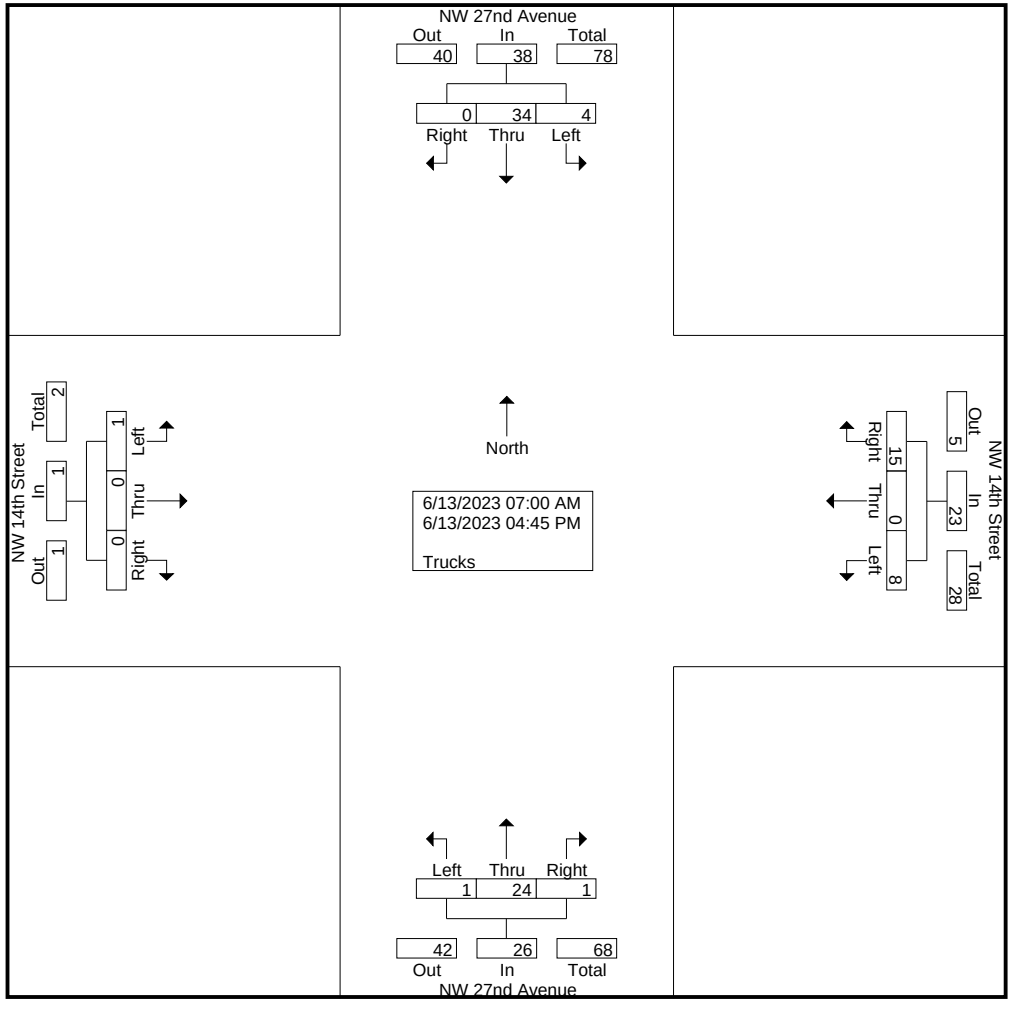
File Name : TMC-18 NW 27th Avenue at NW 14th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 1

Groups Printed- Trucks

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					NW 14th Street Westbound					NW 14th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	0	2	0	2	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	4
07:15 AM	0	0	2	0	2	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	4
07:30 AM	0	0	6	0	6	0	0	2	1	3	0	0	0	0	0	0	0	0	0	0	9
07:45 AM	0	0	4	0	4	0	0	1	0	1	0	1	0	1	2	0	0	0	0	0	7
Total	0	0	14	0	14	0	1	5	1	7	0	1	0	1	2	0	1	0	0	1	24
08:00 AM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
08:15 AM	0	0	3	0	3	0	0	0	0	0	0	2	0	1	3	0	0	0	0	0	6
08:30 AM	0	1	3	0	4	0	0	3	0	3	0	1	0	2	3	0	0	0	0	0	10
08:45 AM	0	0	4	0	4	0	0	0	0	0	0	1	0	2	3	0	0	0	0	0	7
Total	0	1	11	0	12	0	0	4	0	4	0	4	0	5	9	0	0	0	0	0	25
*** BREAK ***																					
03:00 PM	0	0	1	0	1	0	0	2	0	2	0	0	0	3	3	0	0	0	0	0	6
03:15 PM	0	1	3	0	4	0	0	6	0	6	0	1	0	0	1	0	0	0	0	0	11
03:30 PM	0	1	1	0	2	0	0	1	0	1	0	0	0	2	2	0	0	0	0	0	5
03:45 PM	0	1	2	0	3	0	0	1	0	1	0	0	0	1	1	0	0	0	0	0	5
Total	0	3	7	0	10	0	0	10	0	10	0	1	0	6	7	0	0	0	0	0	27
04:00 PM	0	0	1	0	1	0	0	1	0	1	0	0	0	1	1	0	0	0	0	0	3
04:15 PM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
04:30 PM	0	0	0	0	0	0	0	1	0	1	0	2	0	2	4	0	0	0	0	0	5
04:45 PM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
Total	0	0	2	0	2	0	0	5	0	5	0	2	0	3	5	0	0	0	0	0	12
Grand Total	0	4	34	0	38	0	1	24	1	26	0	8	0	15	23	0	1	0	0	1	88
Apprch %	0	10.5	89.5	0		0	3.8	92.3	3.8		0	34.8	0	65.2		0	100	0	0		
Total %	0	4.5	38.6	0	43.2	0	1.1	27.3	1.1	29.5	0	9.1	0	17	26.1	0	1.1	0	0	1.1	

NW 27th Avenue at NW 14th Street

File Name : TMC-18 NW 27th Avenue at NW 14th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 2



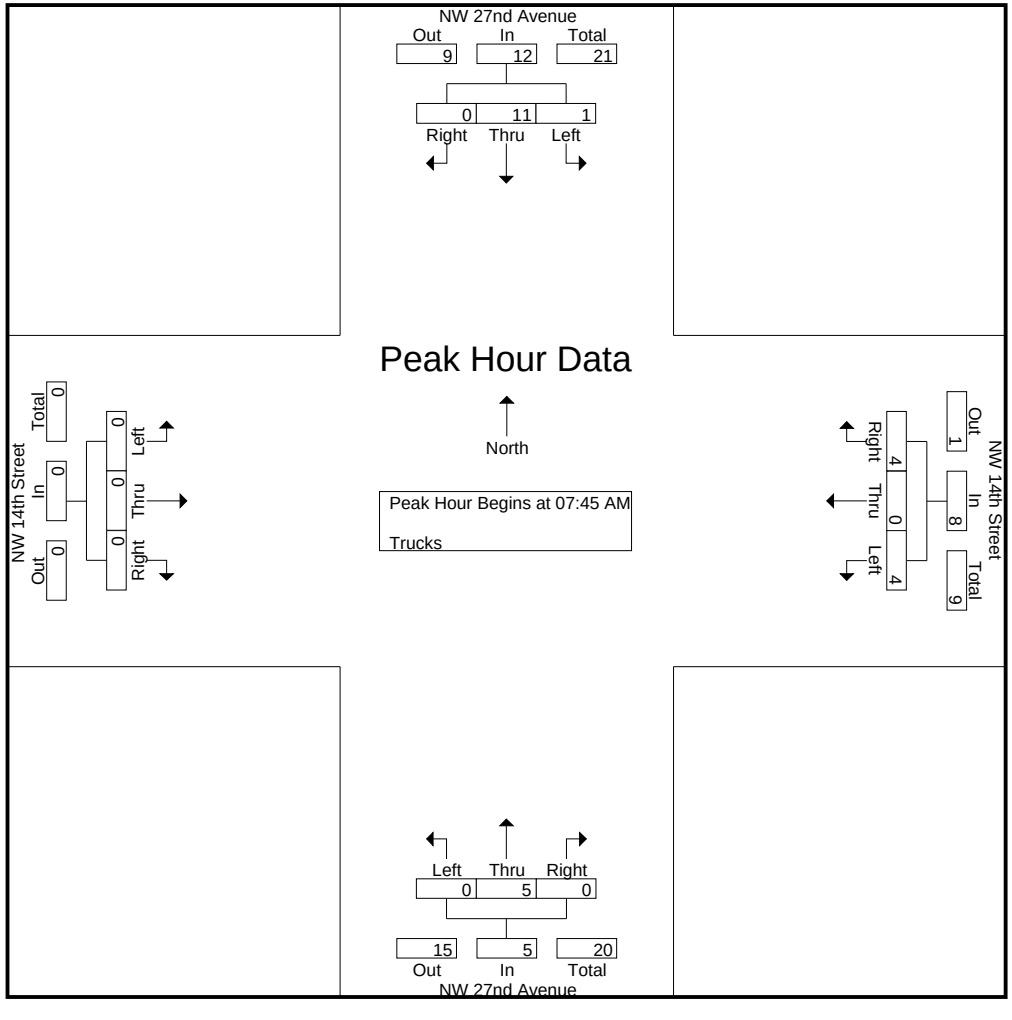
NW 27th Avenue at NW 14th Street

File Name : TMC-18 NW 27th Avenue at NW 14th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 3

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					NW 14th Street Westbound					NW 14th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:45 AM																					
07:45 AM	0	0	**4**	0	**4**	0	0	1	0	1	0	1	0	1	2	0	0	0	0	0	7
08:00 AM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
08:15 AM	0	0	3	0	3	0	0	0	0	0	0	**2**	0	1	**3**	0	0	0	0	0	6
08:30 AM	0	**1**	3	0	4	0	0	**3**	0	**3**	0	1	0	**2**	3	0	0	0	0	0	**10**
Total Volume	0	1	11	0	12	0	0	5	0	5	0	4	0	4	8	0	0	0	0	0	25
% App. Total	0	8.3	91.7	0		0	0	100	0		0	50	0	50		0	0	0	0		
PHF	.000	.250	.688	.000	.750	.000	.000	.417	.000	.417	.000	.500	.000	.500	.667	.000	.000	.000	.000	.000	.625

NW 27th Avenue at NW 14th Street

File Name : TMC-18 NW 27th Avenue at NW 14th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 4



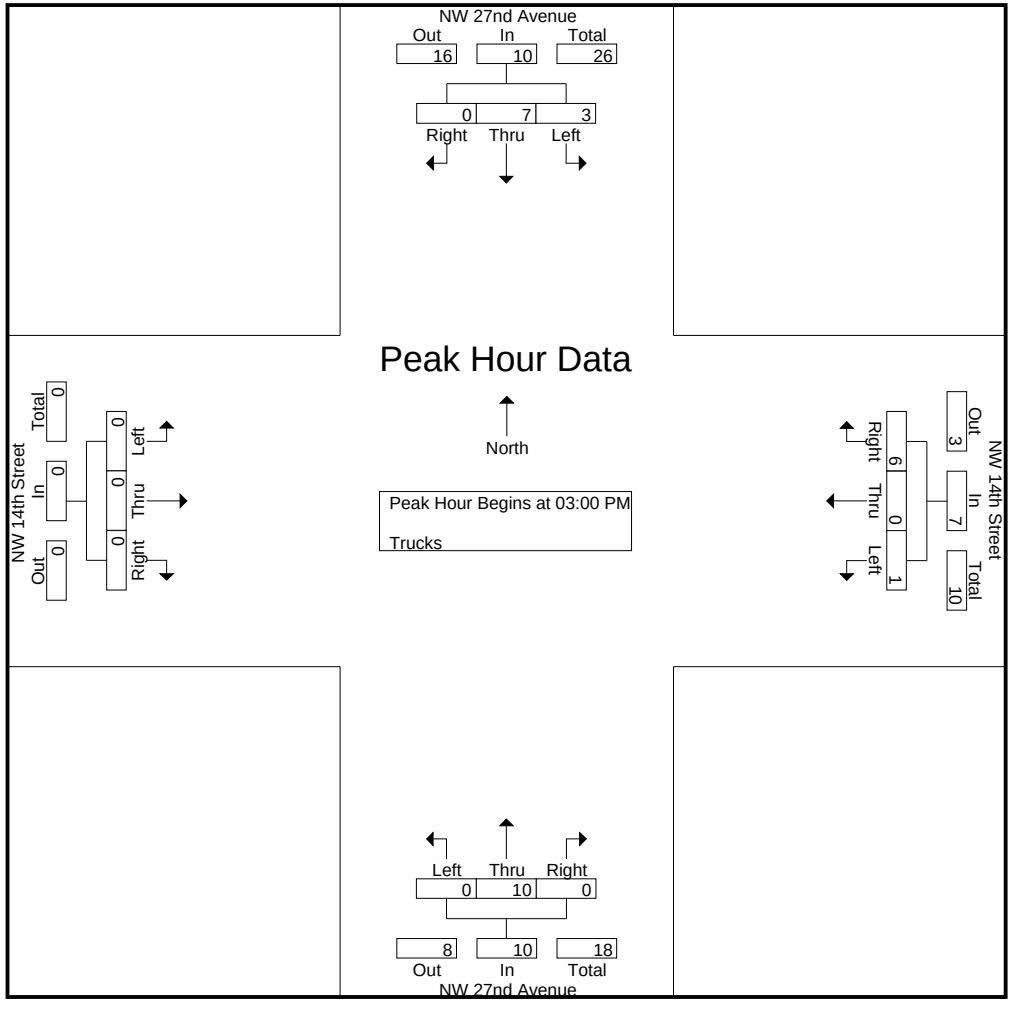
NW 27th Avenue at NW 14th Street

File Name : TMC-18 NW 27th Avenue at NW 14th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 5

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					NW 14th Street Westbound					NW 14th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:00 PM																					
03:00 PM	0	0	1	0	1	0	0	2	0	2	0	0	0	**3**	**3**	0	0	0	0	0	6
03:15 PM	0	**1**	**3**	0	**4**	0	0	**6**	0	**6**	0	**1**	0	0	1	0	0	0	0	0	**11**
03:30 PM	0	1	1	0	2	0	0	1	0	1	0	0	0	2	2	0	0	0	0	0	5
03:45 PM	0	1	2	0	3	0	0	1	0	1	0	0	0	1	1	0	0	0	0	0	5
Total Volume	0	3	7	0	10	0	0	10	0	10	0	1	0	6	7	0	0	0	0	0	27
% App. Total	0	30	70	0		0	0	100	0		0	14.3	0	85.7		0	0	0	0		
PHF	.000	.750	.583	.000	.625	.000	.000	.417	.000	.417	.000	.250	.000	.500	.583	.000	.000	.000	.000	.000	.614

NW 27th Avenue at NW 14th Street

File Name : TMC-18 NW 27th Avenue at NW 14th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 6



NW 27th Avenue at N River Dr/NW 20th Street

File Name : TMC-14 NW 27th Avenue at North River Dr & NW 20th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 1

Groups Printed- Peds & Bikes

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			North River Dr / NW 20th Street Westbound			North River Dr / NW 20th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
07:00 AM	3	1	4	0	0	0	0	0	0	2	0	2	6
07:15 AM	1	0	1	0	0	0	1	1	2	2	1	3	6
07:30 AM	0	0	0	0	0	0	1	0	1	1	3	4	5
07:45 AM	1	0	1	0	0	0	2	0	2	2	1	3	6
Total	5	1	6	0	0	0	4	1	5	7	5	12	23
08:00 AM	0	0	0	0	0	0	0	2	2	0	2	2	4
08:15 AM	1	1	2	0	0	0	1	0	1	0	0	0	3
08:30 AM	0	0	0	0	0	0	2	0	2	1	0	1	3
08:45 AM	1	0	1	0	0	0	0	1	1	0	1	1	3
Total	2	1	3	0	0	0	3	3	6	1	3	4	13
*** BREAK ***													
03:00 PM	0	0	0	0	1	1	2	0	2	1	1	2	5
03:15 PM	0	0	0	0	0	0	0	0	0	1	2	3	3
03:30 PM	0	0	0	0	0	0	2	4	6	1	1	2	8
03:45 PM	0	0	0	0	0	0	1	0	1	1	1	2	3
Total	0	0	0	0	1	1	5	4	9	4	5	9	19
04:00 PM	3	0	3	0	0	0	1	0	1	1	1	2	6
04:15 PM	1	0	1	0	0	0	0	0	0	0	2	2	3
04:30 PM	1	1	2	0	0	0	1	1	2	3	1	4	8
04:45 PM	5	0	5	0	0	0	0	1	1	3	3	6	12
Total	10	1	11	0	0	0	2	2	4	7	7	14	29
Grand Total	17	3	20	0	1	1	14	10	24	19	20	39	84
Apprch %	85	15		0	100		58.3	41.7		48.7	51.3		
Total %	20.2	3.6	23.8	0	1.2	1.2	16.7	11.9	28.6	22.6	23.8	46.4	

NW 27th Avenue at N River Dr/NW 20th Street

File Name : TMC-14 NW 27th Avenue at North River Dr & NW 20th Street
Site Code : 00000000
Start Date : 6/14/2023

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			North River Dr / NW 20th Street Westbound			North River Dr / NW 20th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:00 AM													
07:00 AM	**3**	**1**	**4**	0	0	0	0	0	0	**2**	0	2	**6**
07:15 AM	1	0	1	0	0	0	1	**1**	**2**	2	1	3	6
07:30 AM	0	0	0	0	0	0	1	0	1	1	**3**	**4**	5
07:45 AM	1	0	1	0	0	0	**2**	0	2	2	1	3	6
Total Volume	5	1	6	0	0	0	4	1	5	7	5	12	23
% App. Total	83.3	16.7		0	0		80	20		58.3	41.7		
PHF	.417	.250	.375	.000	.000	.000	.500	.250	.625	.875	.417	.750	.958

NW 27th Avenue at N River Dr/NW 20th Street

File Name : TMC-14 NW 27th Avenue at North River Dr & NW 20th Street
Site Code : 00000000
Start Date : 6/14/2023

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			North River Dr / NW 20th Street Westbound			North River Dr / NW 20th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:00 PM													
04:00 PM	3	0	3	0	0	0	**1**	0	1	1	1	2	6
04:15 PM	1	0	1	0	0	0	0	0	0	0	2	2	3
04:30 PM	1	**1**	2	0	0	0	1	**1**	**2**	**3**	1	4	8
04:45 PM	**5**	0	**5**	0	0	0	0	1	1	3	**3**	**6**	**12**
Total Volume	10	1	11	0	0	0	2	2	4	7	7	14	29
% App. Total	90.9	9.1		0	0		50	50		50	50		
PHF	.500	.250	.550	.000	.000	.000	.500	.500	.500	.583	.583	.583	.604

NW 27th Avenue at N River Dr/NW 20th Street

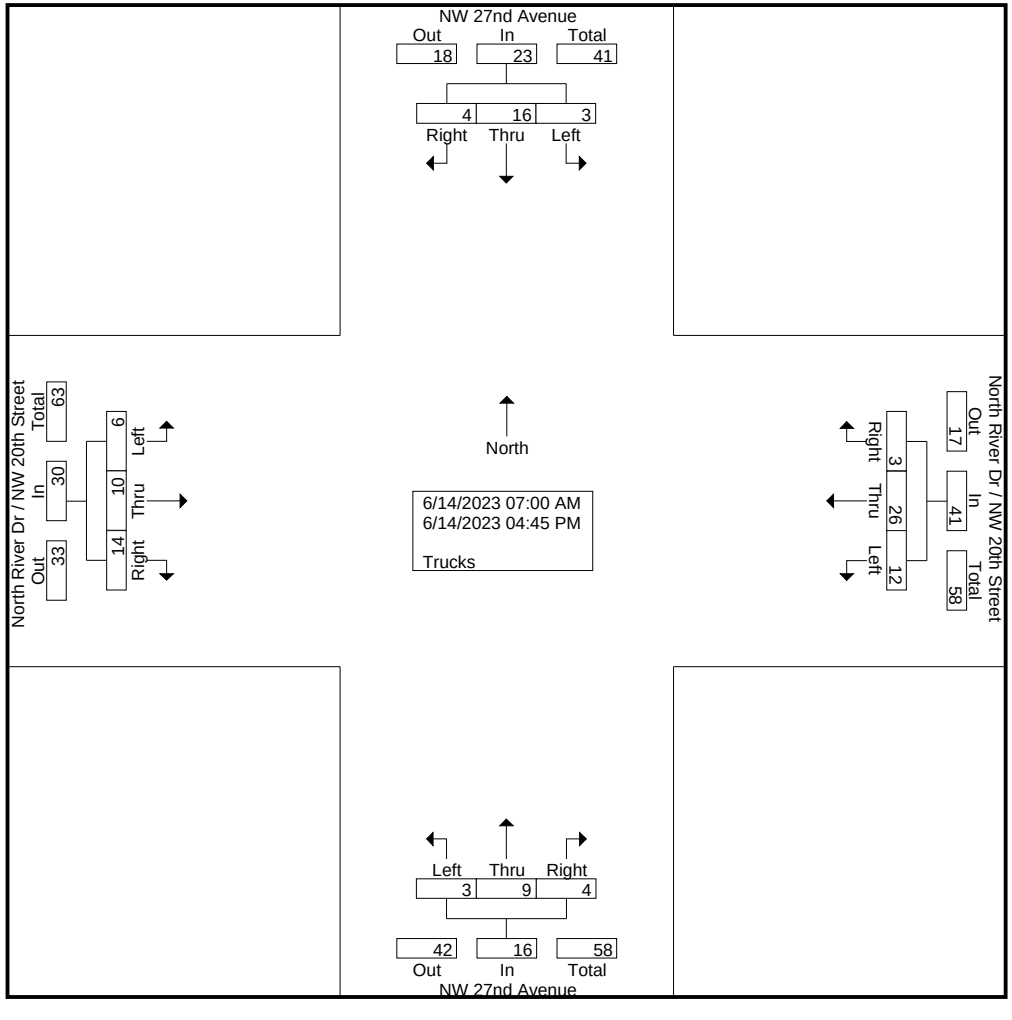
File Name : TMC-14 NW 27th Avenue at North River Dr & NW 20th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 1

Groups Printed- Trucks

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					North River Dr / NW 20th Street Westbound					North River Dr / NW 20th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	2	0	2	4
07:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
07:30 AM	0	0	2	0	2	0	0	0	0	0	0	1	1	0	2	0	0	0	1	1	5
07:45 AM	0	0	2	0	2	0	0	0	1	1	0	0	0	0	0	0	1	0	0	1	4
Total	0	1	5	0	6	0	0	0	1	1	0	2	1	0	3	0	1	2	2	5	15
08:00 AM	0	1	1	0	2	0	0	1	0	1	0	1	1	0	2	0	0	0	1	1	6
08:15 AM	0	0	5	0	5	0	0	0	1	1	0	1	2	0	3	0	0	0	2	2	11
08:30 AM	0	0	2	1	3	0	0	2	0	2	0	1	3	0	4	0	2	3	2	7	16
08:45 AM	0	0	1	1	2	0	0	0	0	0	0	1	6	0	7	0	1	0	1	2	11
Total	0	1	9	2	12	0	0	3	1	4	0	4	12	0	16	0	3	3	6	12	44
*** BREAK ***																					
03:00 PM	0	1	0	1	2	0	0	1	0	1	0	1	2	0	3	0	0	1	1	2	8
03:15 PM	0	0	0	0	0	0	0	1	1	2	0	1	2	0	3	0	0	1	0	1	6
03:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	1	0	0	1	3
03:45 PM	0	0	1	0	1	0	0	2	1	3	0	2	2	1	5	0	0	0	0	0	9
Total	0	1	1	1	3	0	1	4	2	7	0	4	6	2	12	0	1	2	1	4	26
04:00 PM	0	0	1	0	1	0	1	0	0	1	0	1	2	0	3	0	1	1	0	2	7
04:15 PM	0	0	0	1	1	0	1	1	0	2	0	0	1	0	1	0	0	1	3	4	8
04:30 PM	0	0	0	0	0	0	0	1	0	1	0	1	1	1	3	0	0	1	2	3	7
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	3
Total	0	0	1	1	2	0	2	2	0	4	0	2	7	1	10	0	1	3	5	9	25
Grand Total	0	3	16	4	23	0	3	9	4	16	0	12	26	3	41	0	6	10	14	30	110
Apprch %	0	13	69.6	17.4		0	18.8	56.2	25		0	29.3	63.4	7.3		0	20	33.3	46.7		
Total %	0	2.7	14.5	3.6	20.9	0	2.7	8.2	3.6	14.5	0	10.9	23.6	2.7	37.3	0	5.5	9.1	12.7	27.3	

NW 27th Avenue at N River Dr/NW 20th Street

File Name : TMC-14 NW 27th Avenue at North River Dr & NW 20th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 2



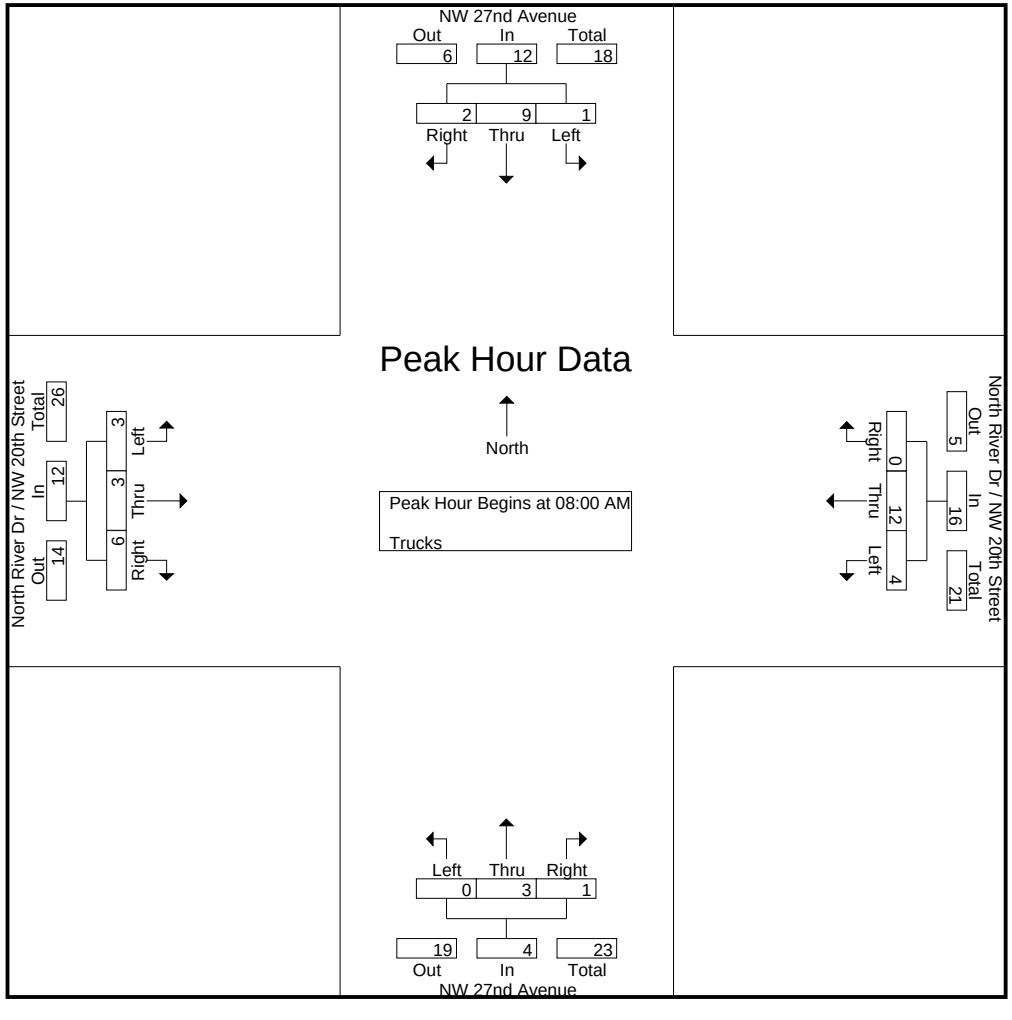
NW 27th Avenue at N River Dr/NW 20th Street

File Name : TMC-14 NW 27th Avenue at North River Dr & NW 20th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 3

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					North River Dr / NW 20th Street Westbound					North River Dr / NW 20th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	0	**1**	1	0	2	0	0	1	0	1	0	**1**	1	0	2	0	0	0	1	1	6
08:15 AM	0	0	**5**	0	**5**	0	0	0	**1**	1	0	1	2	0	3	0	0	0	**2**	2	11
08:30 AM	0	0	2	**1**	3	0	0	**2**	0	**2**	0	1	3	0	4	0	**2**	**3**	2	**7**	**16**
08:45 AM	0	0	1	1	2	0	0	0	0	0	0	1	**6**	0	**7**	0	1	0	1	2	11
Total Volume	0	1	9	2	12	0	0	3	1	4	0	4	12	0	16	0	3	3	6	12	44
% App. Total	0	8.3	75	16.7		0	0	75	25		0	25	75	0		0	25	25	50		
PHF	.000	.250	.450	.500	.600	.000	.000	.375	.250	.500	.000	1.00	.500	.000	.571	.000	.375	.250	.750	.429	.688

NW 27th Avenue at N River Dr/NW 20th Street

File Name : TMC-14 NW 27th Avenue at North River Dr & NW 20th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 4



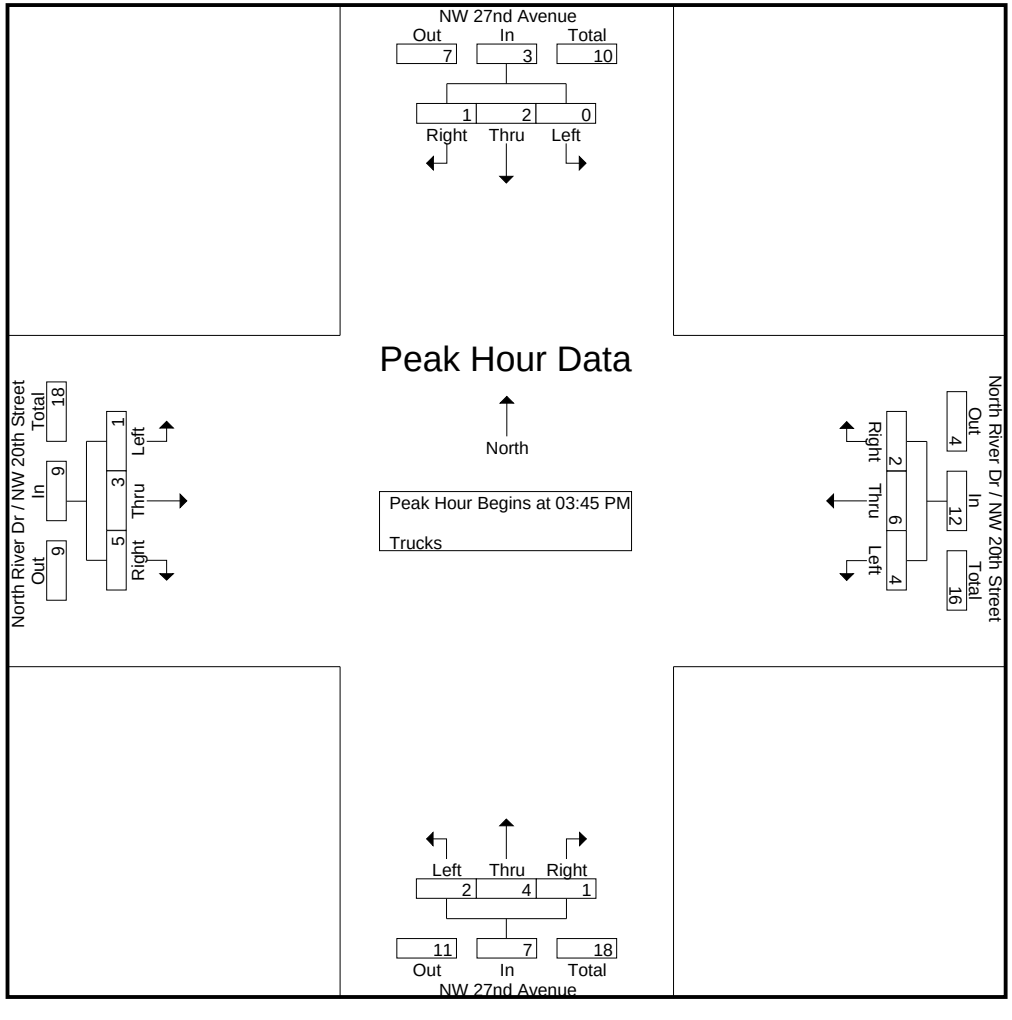
NW 27th Avenue at N River Dr/NW 20th Street

File Name : TMC-14 NW 27th Avenue at North River Dr & NW 20th Street
Site Code : 00000000
Start Date : 6/14/2023

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					North River Dr / NW 20th Street Westbound					North River Dr / NW 20th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:45 PM																					
03:45 PM	0	0	**1**	0	**1**	0	0	**2**	**1**	**3**	0	**2**	**2**	**1**	**5**	0	0	0	0	0	**9**
04:00 PM	0	0	1	0	1	0	**1**	0	0	1	0	1	2	0	3	0	**1**	**1**	0	2	7
04:15 PM	0	0	0	**1**	1	0	1	1	0	2	0	0	1	0	1	0	0	1	**3**	**4**	8
04:30 PM	0	0	0	0	0	0	0	1	0	1	0	1	1	1	3	0	0	1	2	3	7
Total Volume	0	0	2	1	3	0	2	4	1	7	0	4	6	2	12	0	1	3	5	9	31
% App. Total	0	0	66.7	33.3		0	28.6	57.1	14.3		0	33.3	50	16.7		0	11.1	33.3	55.6		
PHF	.000	.000	.500	.250	.750	.000	.500	.500	.250	.583	.000	.500	.750	.500	.600	.000	.250	.750	.417	.563	.861

NW 27th Avenue at N River Dr/NW 20th Street

File Name : TMC-14 NW 27th Avenue at North River Dr & NW 20th Street
Site Code : 00000000
Start Date : 6/14/2023
Page No : 6



SR-9 at NW 22nd Avenue

File Name : TMC-6 SR-9 at NW 22nd Avenue
Site Code : 00000000
Start Date : 6/13/2023
Page No : 1

Groups Printed- Peds & Bikes

	NW 22nd Avenue Southbound			NW 22nd Avenue Northbound			SR-9 Westbound			SR-9 Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
07:00 AM	0	1	1	0	0	0	0	1	1	0	1	1	3
*** BREAK ***													
07:30 AM	0	0	0	0	0	0	0	0	0	1	2	3	3
07:45 AM	0	0	0	0	1	1	0	1	1	2	1	3	5
Total	0	1	1	0	1	1	0	2	2	3	4	7	11
08:00 AM	0	1	1	0	0	0	0	0	0	0	1	1	2
08:15 AM	0	0	0	0	0	0	1	0	1	0	1	1	2
08:30 AM	0	0	0	1	0	1	1	2	3	3	1	4	8
08:45 AM	0	0	0	0	0	0	4	1	5	2	0	2	7
Total	0	1	1	1	0	1	6	3	9	5	3	8	19
*** BREAK ***													
03:00 PM	0	0	0	0	0	0	0	1	1	2	0	2	3
03:15 PM	0	0	0	0	0	0	0	1	1	1	2	3	4
03:30 PM	0	0	0	0	0	0	0	0	0	2	4	6	6
03:45 PM	0	0	0	0	0	0	1	1	2	0	2	2	4
Total	0	0	0	0	0	0	1	3	4	5	8	13	17
04:00 PM	0	0	0	1	0	1	1	1	2	0	1	1	4
04:15 PM	0	0	0	0	0	0	1	3	4	2	2	4	8
04:30 PM	0	0	0	0	0	0	1	2	3	3	1	4	7
04:45 PM	0	0	0	0	0	0	0	3	3	0	0	0	3
Total	0	0	0	1	0	1	3	9	12	5	4	9	22
Grand Total	0	2	2	2	1	3	10	17	27	18	19	37	69
Apprch %	0	100		66.7	33.3		37	63		48.6	51.4		
Total %	0	2.9	2.9	2.9	1.4	4.3	14.5	24.6	39.1	26.1	27.5	53.6	

SR-9 at NW 22nd Avenue

File Name : TMC-6 SR-9 at NW 22nd Avenue
Site Code : 00000000
Start Date : 6/13/2023

	NW 22nd Avenue Southbound			NW 22nd Avenue Northbound			SR-9 Westbound			SR-9 Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 08:00 AM													
08:00 AM	0	**1**	**1**	0	0	0	0	0	0	0	**1**	1	2
08:15 AM	0	0	0	0	0	0	1	0	1	0	1	1	2
08:30 AM	0	0	0	**1**	0	**1**	1	**2**	3	**3**	1	**4**	**8**
08:45 AM	0	0	0	0	0	0	**4**	1	**5**	2	0	2	7
Total Volume	0	1	1	1	0	1	6	3	9	5	3	8	19
% App. Total	0	100		100	0		66.7	33.3		62.5	37.5		
PHF	.000	.250	.250	.250	.000	.250	.375	.375	.450	.417	.750	.500	.594

SR-9 at NW 22nd Avenue

File Name : TMC-6 SR-9 at NW 22nd Avenue
Site Code : 00000000
Start Date : 6/13/2023
Page No : 3

	NW 22nd Avenue Southbound			NW 22nd Avenue Northbound			SR-9 Westbound			SR-9 Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 03:45 PM													
03:45 PM	0	0	0	0	0	0	**1**	1	2	0	**2**	2	4
04:00 PM	0	0	0	**1**	0	**1**	1	1	2	0	1	1	4
04:15 PM	0	0	0	0	0	0	1	**3**	**4**	2	2	**4**	**8**
04:30 PM	0	0	0	0	0	0	1	2	3	**3**	1	4	7
Total Volume	0	0	0	1	0	1	4	7	11	5	6	11	23
% App. Total	0	0		100	0		36.4	63.6		45.5	54.5		
PHF	.000	.000	.000	.250	.000	.250	1.00	.583	.688	.417	.750	.688	.719

SR-9 at NW 22nd Avenue

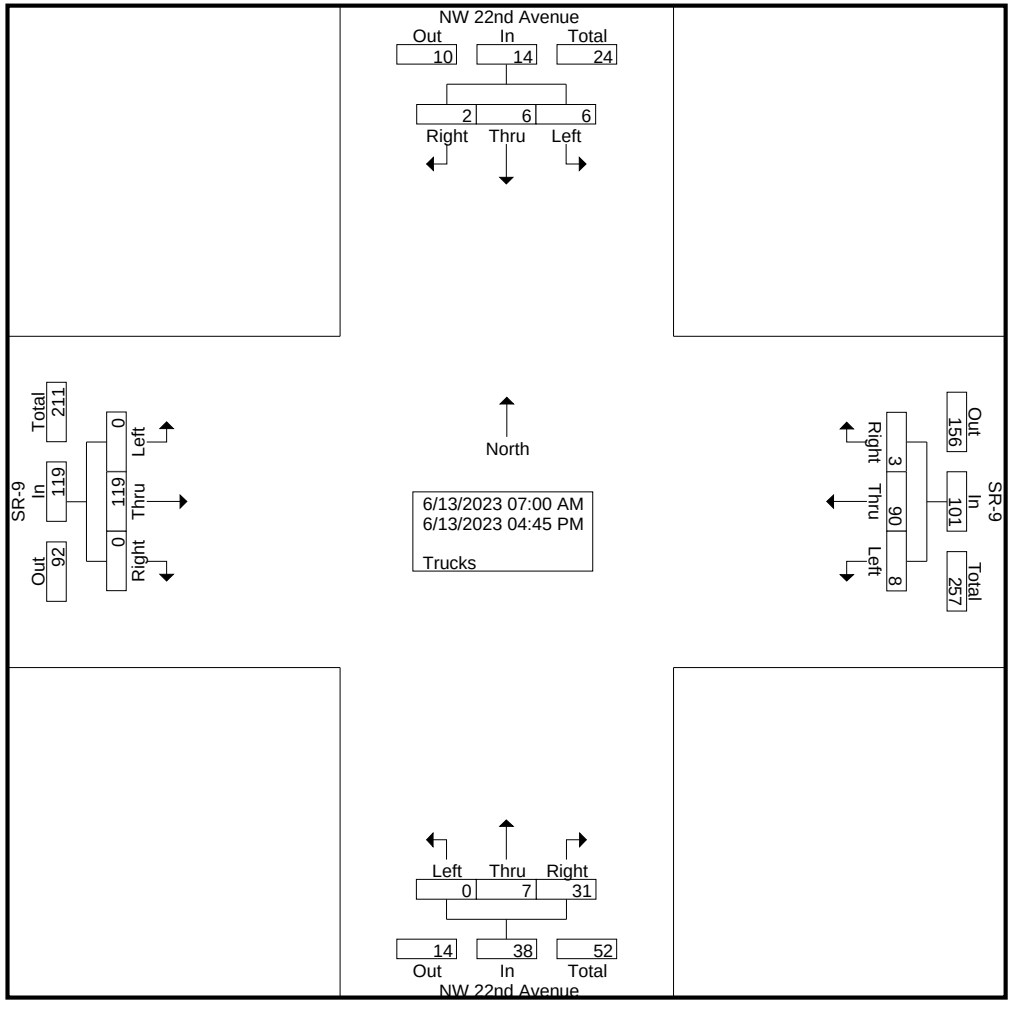
File Name : TMC-6 SR-9 at NW 22nd Avenue
Site Code : 00000000
Start Date : 6/13/2023
Page No : 1

Groups Printed- Trucks

	NW 22nd Avenue Southbound					NW 22nd Avenue Northbound					SR-9 Westbound					SR-9 Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	0	1	0	1	0	0	0	3	3	0	1	8	0	9	0	0	12	0	12	25
07:15 AM	0	1	1	1	3	0	0	0	3	3	0	0	2	0	2	0	0	4	0	4	12
07:30 AM	0	0	0	0	0	0	0	0	3	3	0	1	2	1	4	0	0	12	0	12	19
07:45 AM	0	1	0	0	1	0	0	0	2	2	0	0	4	0	4	0	0	9	0	9	16
Total	0	2	2	1	5	0	0	0	11	11	0	2	16	1	19	0	0	37	0	37	72
08:00 AM	0	0	0	0	0	0	0	0	2	2	0	0	6	0	6	0	0	10	0	10	18
08:15 AM	0	1	0	0	1	0	0	0	1	1	0	1	7	0	8	0	0	10	0	10	20
08:30 AM	0	0	1	0	1	0	0	0	2	2	0	1	2	0	3	0	0	14	0	14	20
08:45 AM	0	1	1	0	2	0	0	1	3	4	0	2	6	0	8	0	0	6	0	6	20
Total	0	2	2	0	4	0	0	1	8	9	0	4	21	0	25	0	0	40	0	40	78
*** BREAK ***																					
03:00 PM	0	0	0	0	0	0	0	1	1	2	0	1	7	0	8	0	0	6	0	6	16
03:15 PM	0	1	1	0	2	0	0	1	1	2	0	1	8	0	9	0	0	4	0	4	17
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	0	0	7	0	7	12
03:45 PM	0	0	0	0	0	0	0	2	2	4	0	0	7	0	7	0	0	9	0	9	20
Total	0	1	1	0	2	0	0	4	4	8	0	2	27	0	29	0	0	26	0	26	65
04:00 PM	0	0	0	0	0	0	0	0	2	2	0	0	2	0	2	0	0	2	0	2	6
04:15 PM	0	0	1	0	1	0	0	0	3	3	0	0	13	2	15	0	0	2	0	2	21
04:30 PM	0	0	0	1	1	0	0	0	0	0	0	0	6	0	6	0	0	5	0	5	12
04:45 PM	0	1	0	0	1	0	0	2	3	5	0	0	5	0	5	0	0	7	0	7	18
Total	0	1	1	1	3	0	0	2	8	10	0	0	26	2	28	0	0	16	0	16	57
Grand Total	0	6	6	2	14	0	0	7	31	38	0	8	90	3	101	0	0	119	0	119	272
Apprch %	0	42.9	42.9	14.3		0	0	18.4	81.6		0	7.9	89.1	3		0	0	100	0		
Total %	0	2.2	2.2	0.7	5.1	0	0	2.6	11.4	14	0	2.9	33.1	1.1	37.1	0	0	43.8	0	43.8	

SR-9 at NW 22nd Avenue

File Name : TMC-6 SR-9 at NW 22nd Avenue
Site Code : 00000000
Start Date : 6/13/2023
Page No : 2



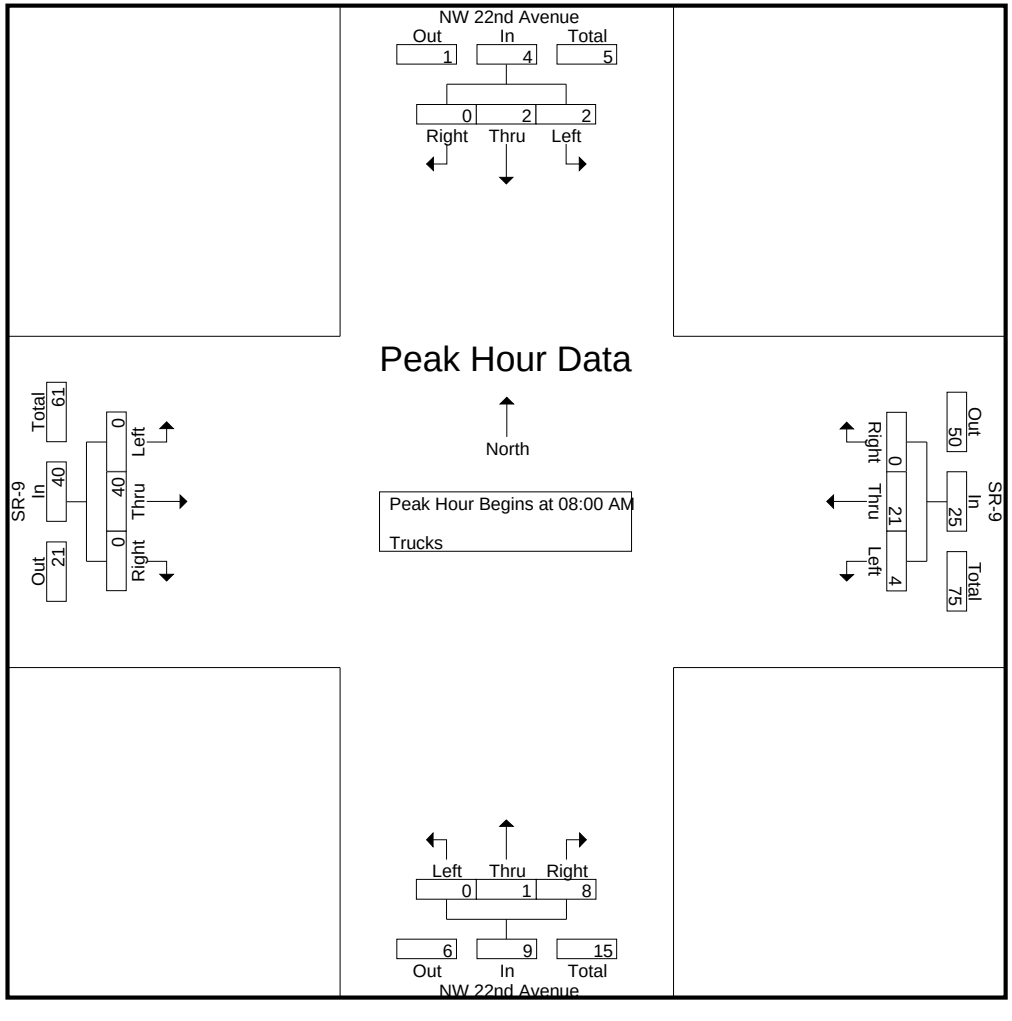
SR-9 at NW 22nd Avenue

File Name : TMC-6 SR-9 at NW 22nd Avenue
Site Code : 00000000
Start Date : 6/13/2023
Page No : 3

	NW 22nd Avenue Southbound					NW 22nd Avenue Northbound					SR-9 Westbound					SR-9 Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	0	0	0	0	0	0	0	0	2	2	0	0	6	0	6	0	0	10	0	10	18
08:15 AM	0	**1**	0	0	1	0	0	0	1	1	0	1	**7**	0	**8**	0	0	10	0	10	**20**
08:30 AM	0	0	**1**	0	1	0	0	0	2	2	0	1	2	0	3	0	0	**14**	0	**14**	20
08:45 AM	0	1	1	0	**2**	0	0	**1**	**3**	**4**	0	**2**	6	0	8	0	0	6	0	6	20
Total Volume	0	2	2	0	4	0	0	1	8	9	0	4	21	0	25	0	0	40	0	40	78
% App. Total	0	50	50	0		0	0	11.1	88.9		0	16	84	0		0	0	100	0		
PHF	.000	.500	.500	.000	.500	.000	.000	.250	.667	.563	.000	.500	.750	.000	.781	.000	.000	.714	.000	.714	.975

SR-9 at NW 22nd Avenue

File Name : TMC-6 SR-9 at NW 22nd Avenue
Site Code : 00000000
Start Date : 6/13/2023
Page No : 4



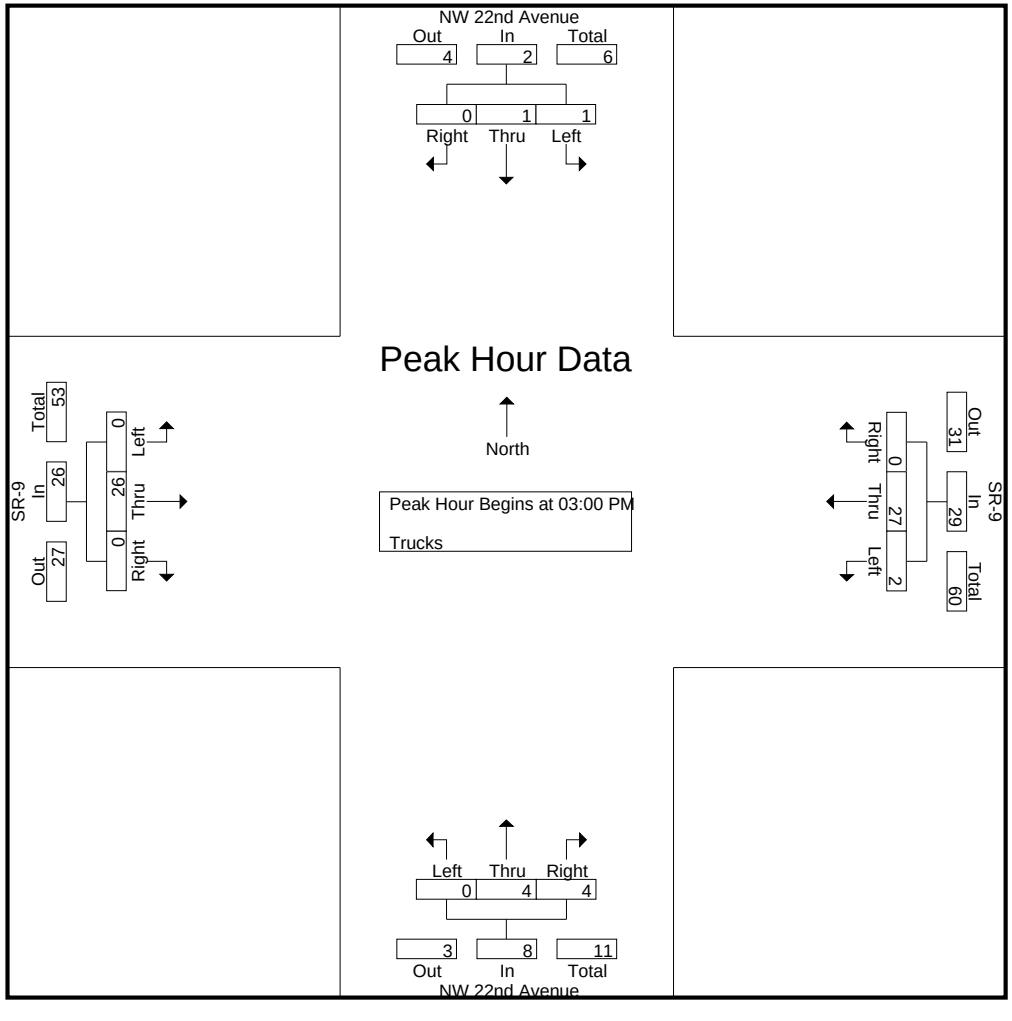
SR-9 at NW 22nd Avenue

File Name : TMC-6 SR-9 at NW 22nd Avenue
Site Code : 00000000
Start Date : 6/13/2023
Page No : 5

	NW 22nd Avenue Southbound					NW 22nd Avenue Northbound					SR-9 Westbound					SR-9 Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:00 PM																					
03:00 PM	0	0	0	0	0	0	0	1	1	2	0	**1**	7	0	8	0	0	6	0	6	16
03:15 PM	0	**1**	**1**	0	**2**	0	0	1	1	2	0	1	**8**	0	**9**	0	0	4	0	4	17
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	0	0	7	0	7	12
03:45 PM	0	0	0	0	0	0	0	**2**	**2**	**4**	0	0	7	0	7	0	0	**9**	0	**9**	**20**
Total Volume	0	1	1	0	2	0	0	4	4	8	0	2	27	0	29	0	0	26	0	26	65
% App. Total	0	50	50	0		0	0	50	50		0	6.9	93.1	0		0	0	100	0		
PHF	.000	.250	.250	.000	.250	.000	.000	.500	.500	.500	.000	.500	.844	.000	.806	.000	.000	.722	.000	.722	.813

SR-9 at NW 22nd Avenue

File Name : TMC-6 SR-9 at NW 22nd Avenue
Site Code : 00000000
Start Date : 6/13/2023
Page No : 6



US-1 at Quail Roost Dr

File Name : TMC-13 US-1 at Quail Roost Dr
Site Code : 00000000
Start Date : 6/15/2023
Page No : 1

Groups Printed- Peds & Bikes

	US-1 Southbound			US-1 Northbound			Quail Roost Dr Westbound			Quail Roost Dr Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
07:00 AM	2	1	3	1	0	1	0	0	0	0	0	0	4
07:15 AM	1	0	1	0	0	0	1	0	1	1	0	1	3
*** BREAK ***													
07:45 AM	0	1	1	1	0	1	0	0	0	0	0	0	2
Total	3	2	5	2	0	2	1	0	1	1	0	1	9
08:00 AM	0	0	0	0	0	0	0	1	1	0	1	1	2
08:15 AM	0	1	1	0	1	1	0	1	1	0	0	0	3
08:30 AM	0	0	0	0	0	0	0	1	1	0	1	1	2
08:45 AM	0	0	0	1	1	2	1	0	1	0	0	0	3
Total	0	1	1	1	2	3	1	3	4	0	2	2	10
*** BREAK ***													
03:00 PM	0	0	0	0	0	0	0	0	0	1	0	1	1
*** BREAK ***													
Total	0	0	0	0	0	0	0	0	0	1	0	1	1
*** BREAK ***													
04:15 PM	1	0	1	0	0	0	0	0	0	0	1	1	2
04:30 PM	0	1	1	0	1	1	2	0	2	0	0	0	4
04:45 PM	0	0	0	0	0	0	0	1	1	1	0	1	2
Total	1	1	2	0	1	1	2	1	3	1	1	2	8
Grand Total	4	4	8	3	3	6	4	4	8	3	3	6	28
Apprch %	50	50		50	50		50	50		50	50		
Total %	14.3	14.3	28.6	10.7	10.7	21.4	14.3	14.3	28.6	10.7	10.7	21.4	

US-1 at Quail Roost Dr

File Name : TMC-13 US-1 at Quail Roost Dr
Site Code : 00000000
Start Date : 6/15/2023
Page No : 2

	US-1 Southbound			US-1 Northbound			Quail Roost Dr Westbound			Quail Roost Dr Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 08:00 AM													
08:00 AM	0	0	0	0	0	0	0	**1**	**1**	0	**1**	**1**	2
08:15 AM	0	**1**	**1**	0	**1**	1	0	1	1	0	0	0	**3**
08:30 AM	0	0	0	0	0	0	0	1	1	0	1	1	2
08:45 AM	0	0	0	**1**	1	**2**	**1**	0	1	0	0	0	3
Total Volume	0	1	1	1	2	3	1	3	4	0	2	2	10
% App. Total	0	100		33.3	66.7		25	75		0	100		
PHF	.000	.250	.250	.250	.500	.375	.250	.750	1.00	.000	.500	.500	.833

US-1 at Quail Roost Dr

File Name : TMC-13 US-1 at Quail Roost Dr
Site Code : 00000000
Start Date : 6/15/2023
Page No : 3

	US-1 Southbound			US-1 Northbound			Quail Roost Dr Westbound			Quail Roost Dr Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:00 PM													
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	**1**	0	**1**	0	0	0	0	0	0	0	**1**	**1**	2
04:30 PM	0	**1**	1	0	**1**	**1**	**2**	0	**2**	0	0	0	**4**
04:45 PM	0	0	0	0	0	0	0	**1**	1	**1**	0	1	2
Total Volume	1	1	2	0	1	1	2	1	3	1	1	2	8
% App. Total	50	50		0	100		66.7	33.3		50	50		
PHF	.250	.250	.500	.000	.250	.250	.250	.250	.375	.250	.250	.500	.500

US-1 at Quail Roost Dr

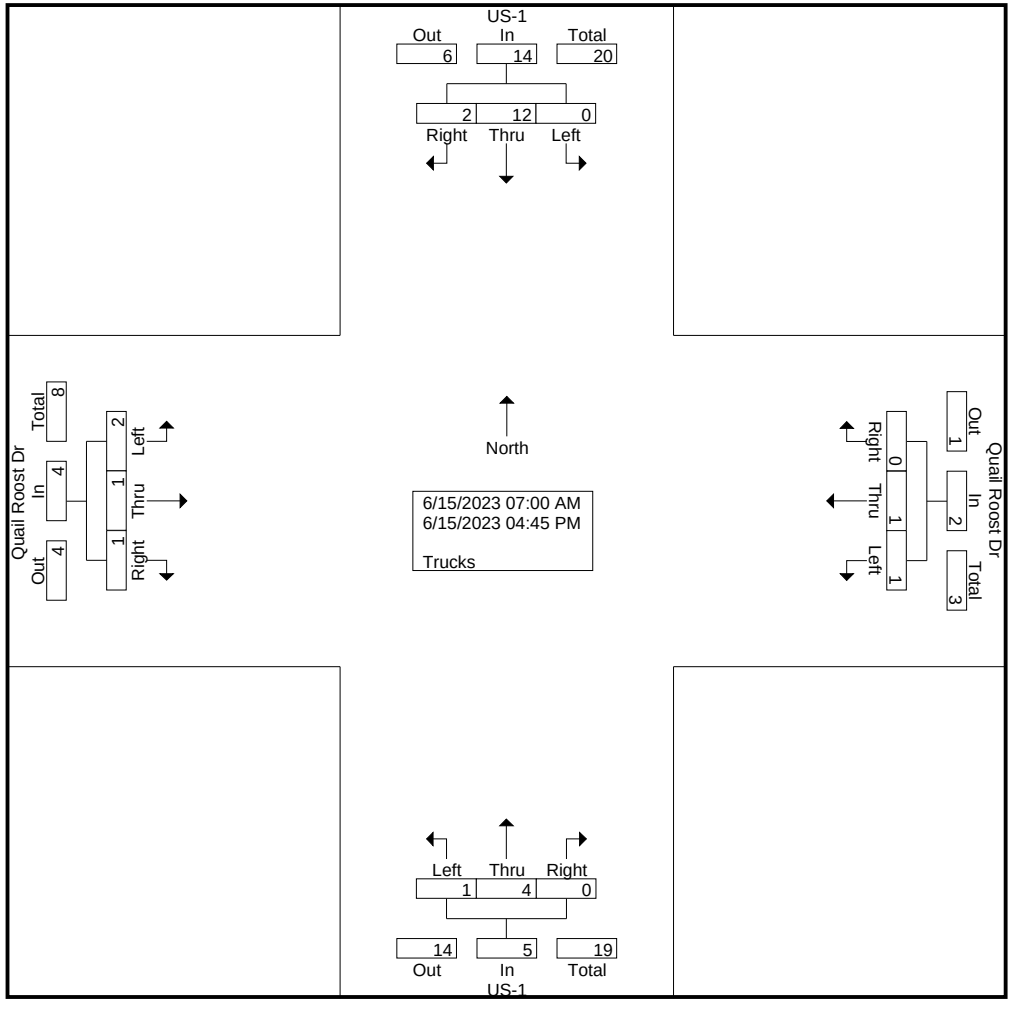
File Name : TMC-13 US-1 at Quail Roost Dr
Site Code : 00000000
Start Date : 6/15/2023
Page No : 1

Groups Printed- Trucks

	US-1 Southbound					US-1 Northbound					Quail Roost Dr Westbound					Quail Roost Dr Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	0	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
07:15 AM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
07:30 AM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
07:45 AM	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	2
Total	0	0	2	1	3	0	1	2	0	3	0	1	1	0	2	0	0	0	0	0	8
08:00 AM	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08:15 AM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	7
08:30 AM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	3
*** BREAK ***																					
Total	0	0	6	1	7	0	0	1	0	1	0	0	0	0	0	0	2	1	1	4	12
*** BREAK ***																					
03:00 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
*** BREAK ***																					
03:30 PM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
03:45 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	3	0	3	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	4
*** BREAK ***																					
04:45 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Grand Total	0	0	12	2	14	0	1	4	0	5	0	1	1	0	2	0	2	1	1	4	25
Apprch %	0	0	85.7	14.3		0	20	80	0		0	50	50	0		0	50	25	25		
Total %	0	0	48	8	56	0	4	16	0	20	0	4	4	0	8	0	8	4	4	16	

US-1 at Quail Roost Dr

File Name : TMC-13 US-1 at Quail Roost Dr
Site Code : 00000000
Start Date : 6/15/2023
Page No : 2



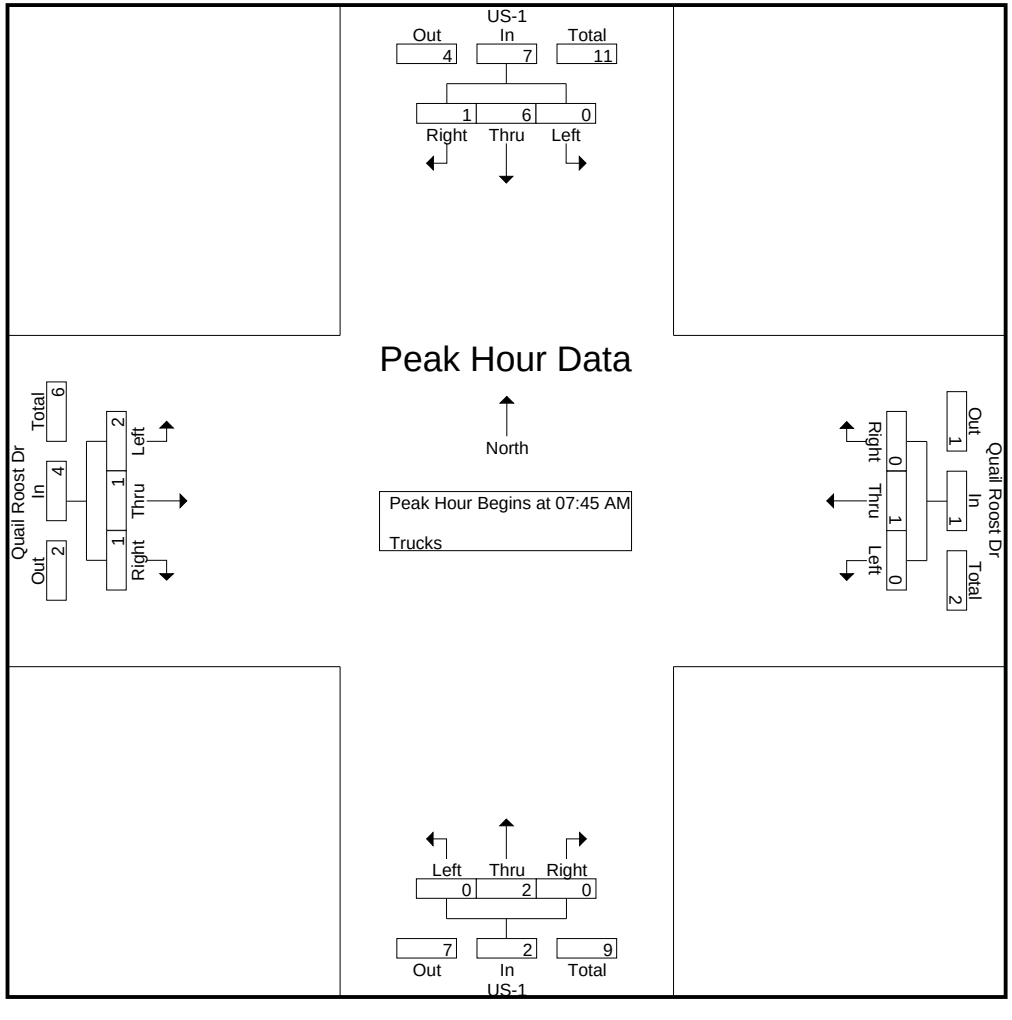
US-1 at Quail Roost Dr

File Name : TMC-13 US-1 at Quail Roost Dr
Site Code : 00000000
Start Date : 6/15/2023
Page No : 3

	US-1 Southbound					US-1 Northbound					Quail Roost Dr Westbound					Quail Roost Dr Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:45 AM																					
07:45 AM	0	0	0	0	0	0	0	**1**	0	**1**	0	0	**1**	0	**1**	0	0	0	0	0	2
08:00 AM	0	0	1	**1**	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08:15 AM	0	0	**4**	0	**4**	0	0	0	0	0	0	0	0	0	0	0	**1**	**1**	**1**	**3**	**7**
08:30 AM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	3
Total Volume	0	0	6	1	7	0	0	2	0	2	0	0	1	0	1	0	2	1	1	4	14
% App. Total	0	0	85.7	14.3		0	0	100	0		0	0	100	0		0	50	25	25		
PHF	.000	.000	.375	.250	.438	.000	.000	.500	.000	.500	.000	.000	.250	.000	.250	.000	.500	.250	.250	.333	.500

US-1 at Quail Roost Dr

File Name : TMC-13 US-1 at Quail Roost Dr
Site Code : 00000000
Start Date : 6/15/2023
Page No : 4



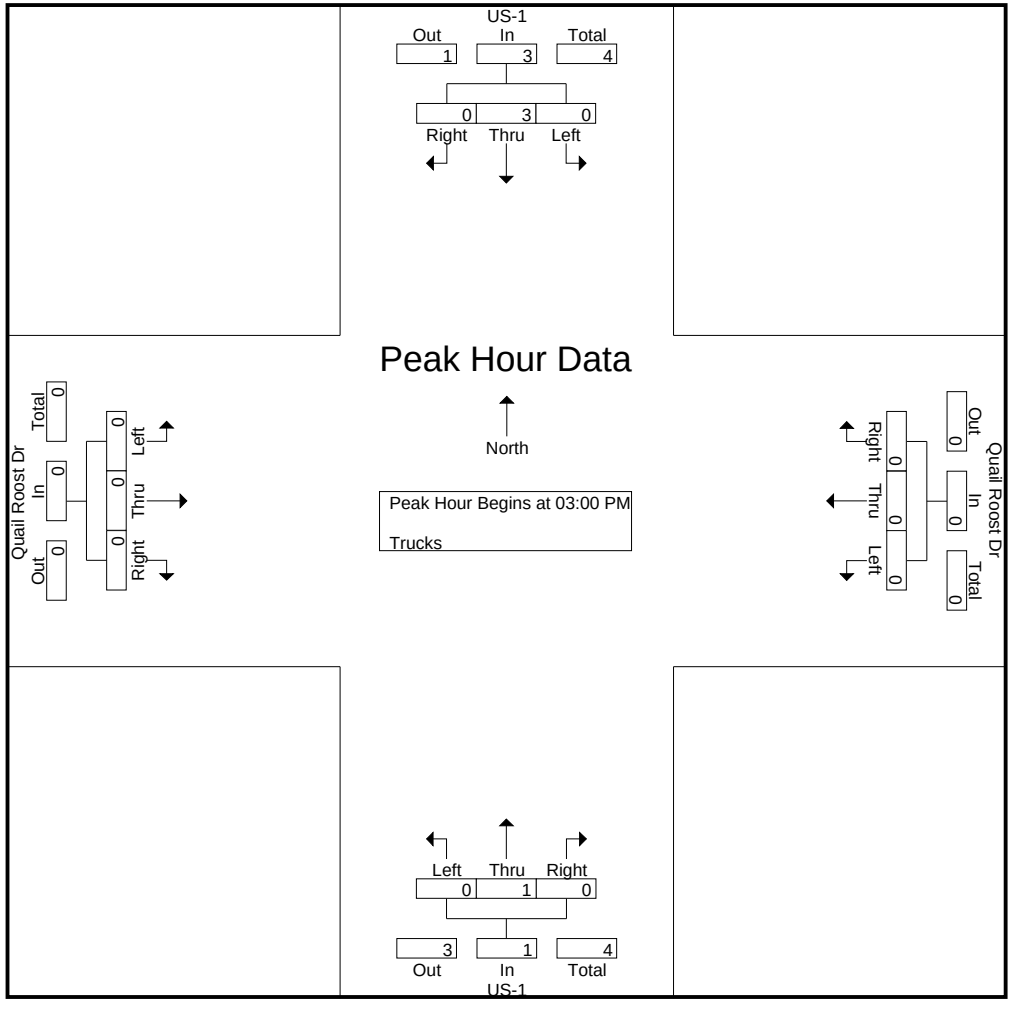
US-1 at Quail Roost Dr

File Name : TMC-13 US-1 at Quail Roost Dr
Site Code : 00000000
Start Date : 6/15/2023
Page No : 5

	US-1 Southbound					US-1 Northbound					Quail Roost Dr Westbound					Quail Roost Dr Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:00 PM																					
03:00 PM	0	0	**1**	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30 PM	0	0	1	0	1	0	0	**1**	0	**1**	0	0	0	0	0	0	0	0	0	0	**2**
03:45 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	0	3	0	3	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	4
% App. Total	0	0	100	0		0	0	100	0		0	0	0	0		0	0	0	0		
PHF	.000	.000	.750	.000	.750	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.500

US-1 at Quail Roost Dr

File Name : TMC-13 US-1 at Quail Roost Dr
Site Code : 00000000
Start Date : 6/15/2023
Page No : 6



US-1 at SW 112nd Avenue & SW 208th Dr

File Name : TMC-17 US-1 at SW 112nd Avenue & SW 208th Street
Site Code : 00000000
Start Date : 6/15/2023
Page No : 1

Groups Printed- Peds & Bikes

	SW 112nd Avenue Northbound			SW 208th Dr Eastbound			US-1 Southwest			US-1 Northeast			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
07:00 AM	0	0	0	0	0	0	0	0	0	1	1	2	2
07:15 AM	0	0	0	0	0	0	0	0	0	1	0	1	1
07:30 AM	0	0	0	0	0	0	1	0	1	1	1	2	3
07:45 AM	0	0	0	0	0	0	0	0	0	3	0	3	3
Total	0	0	0	0	0	0	1	0	1	6	2	8	9
08:00 AM	0	0	0	0	0	0	0	0	0	1	0	1	1
08:15 AM	0	1	1	1	0	1	0	0	0	0	1	1	3
08:30 AM	0	0	0	0	0	0	0	0	0	2	2	4	4
08:45 AM	0	0	0	0	0	0	1	0	1	0	0	0	1
Total	0	1	1	1	0	1	1	0	1	3	3	6	9
*** BREAK ***													
03:30 PM	0	0	0	1	1	2	0	0	0	1	0	1	3
03:45 PM	0	0	0	2	0	2	0	0	0	2	0	2	4
Total	0	0	0	3	1	4	0	0	0	3	0	3	7
04:00 PM	2	0	2	1	0	1	1	1	2	4	1	5	10
04:15 PM	0	1	1	0	0	0	0	0	0	7	0	7	8
04:30 PM	1	0	1	0	0	0	0	0	0	3	0	3	4
04:45 PM	0	1	1	1	2	3	0	0	0	1	1	2	6
Total	3	2	5	2	2	4	1	1	2	15	2	17	28
Grand Total	3	3	6	6	3	9	3	1	4	27	7	34	53
Apprch %	50	50		66.7	33.3		75	25		79.4	20.6		
Total %	5.7	5.7	11.3	11.3	5.7	17	5.7	1.9	7.5	50.9	13.2	64.2	

US-1 at SW 112nd Avenue & SW 208th Dr

File Name : TMC-17 US-1 at SW 112nd Avenue & SW 208th Street
Site Code : 00000000
Start Date : 6/15/2023
Page No : 2

	SW 112nd Avenue Northbound			SW 208th Dr Eastbound			US-1 Southwest			US-1 Northeast			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:45 AM													
07:45 AM	0	0	0	0	0	0	0	0	0	**3**	0	3	3
08:00 AM	0	0	0	0	0	0	0	0	0	1	0	1	1
08:15 AM	0	**1**	**1**	**1**	0	**1**	0	0	0	0	1	1	3
08:30 AM	0	0	0	0	0	0	0	0	0	2	**2**	**4**	**4**
Total Volume	0	1	1	1	0	1	0	0	0	6	3	9	11
% App. Total	0	100		100	0		0	0		66.7	33.3		
PHF	.000	.250	.250	.250	.000	.250	.000	.000	.000	.500	.375	.563	.688

US-1 at SW 112nd Avenue & SW 208th Dr

File Name : TMC-17 US-1 at SW 112nd Avenue & SW 208th Street
Site Code : 00000000
Start Date : 6/15/2023
Page No : 3

	SW 112nd Avenue Northbound			SW 208th Dr Eastbound			US-1 Southwest			US-1 Northeast			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:00 PM													
04:00 PM	**2**	0	**2**	**1**	0	1	**1**	**1**	**2**	4	**1**	5	**10**
04:15 PM	0	**1**	1	0	0	0	0	0	0	**7**	0	**7**	8
04:30 PM	1	0	1	0	0	0	0	0	0	3	0	3	4
04:45 PM	0	1	1	1	**2**	**3**	0	0	0	1	1	2	6
Total Volume	3	2	5	2	2	4	1	1	2	15	2	17	28
% App. Total	60	40		50	50		50	50		88.2	11.8		
PHF	.375	.500	.625	.500	.250	.333	.250	.250	.250	.536	.500	.607	.700

US-1 at SW 112nd Avenue & SW 208th Dr

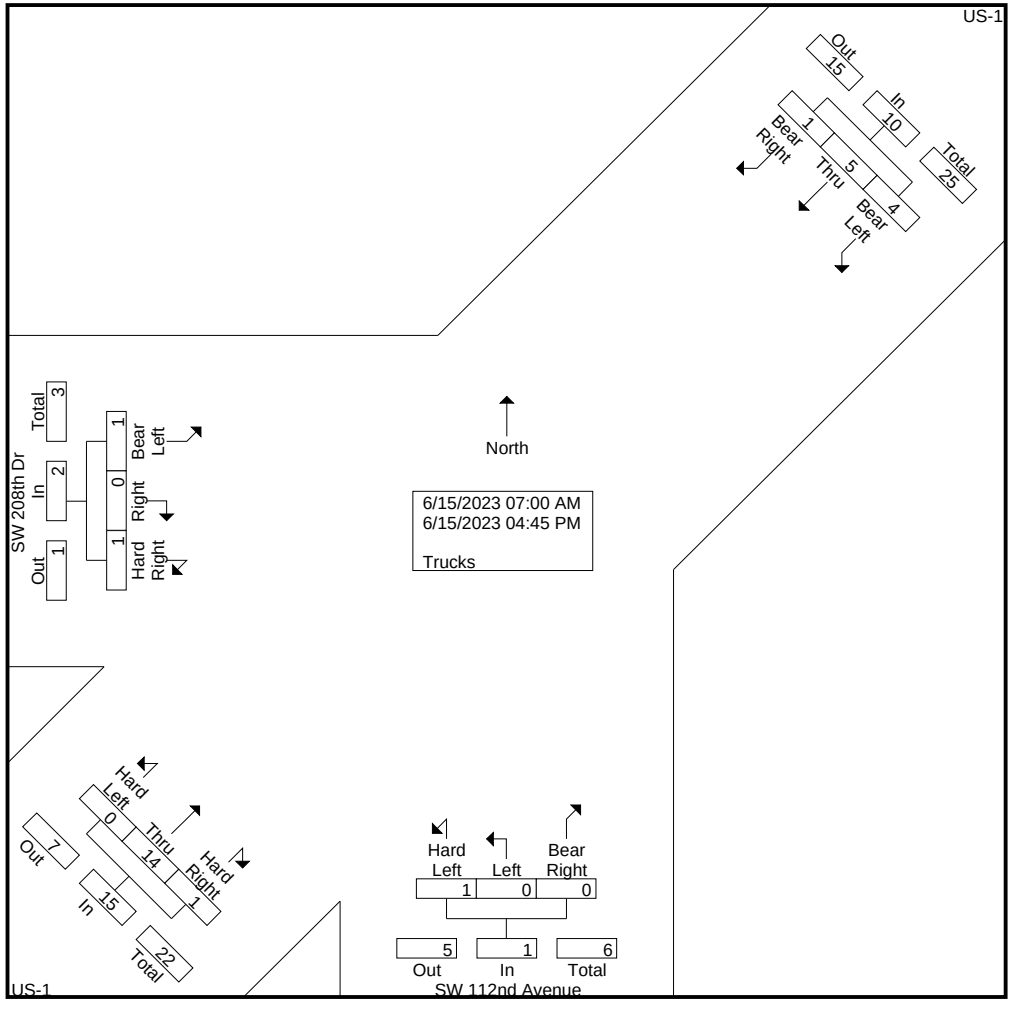
File Name : TMC-17 US-1 at SW 112nd Avenue & SW 208th Street
Site Code : 00000000
Start Date : 6/15/2023
Page No : 1

Groups Printed- Trucks

	SW 112nd Avenue Northbound					SW 208th Dr Eastbound					US-1 Southwest					US-1 Northeast					
Start Time	U-Turn	Hard Left	Left	Bear Right	App. Total	U-Turn	Bear Left	Right	Hard Right	App. Total	U-Turn	Bear Left	Thru	Bear Right	App. Total	U-Turn	Hard Left	Thru	Hard Right	App. Total	Int. Total
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	2
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
*** BREAK ***																					
Total	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	3	0	3	4
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	1	0	1	3
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	0	0	3	1	4	7
*** BREAK ***																					
03:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	3
03:15 PM	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	0	2	0	2	4
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	1	0	1	3
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
Total	0	1	0	0	1	0	1	0	0	1	0	1	2	1	4	0	0	5	0	5	11
04:00 PM	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	0	0	0	0	2
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	1	1	0	1	1	0	2	0	0	3	0	3	6
Grand Total	0	1	0	0	1	0	1	0	1	2	0	4	5	1	10	0	0	14	1	15	28
Apprch %	0	100	0	0		0	50	0	50		0	40	50	10		0	0	93.3	6.7		
Total %	0	3.6	0	0	3.6	0	3.6	0	3.6	7.1	0	14.3	17.9	3.6	35.7	0	0	50	3.6	53.6	

US-1 at SW 112nd Avenue & SW 208th Dr

File Name : TMC-17 US-1 at SW 112nd Avenue & SW 208th Street
Site Code : 00000000
Start Date : 6/15/2023
Page No : 2



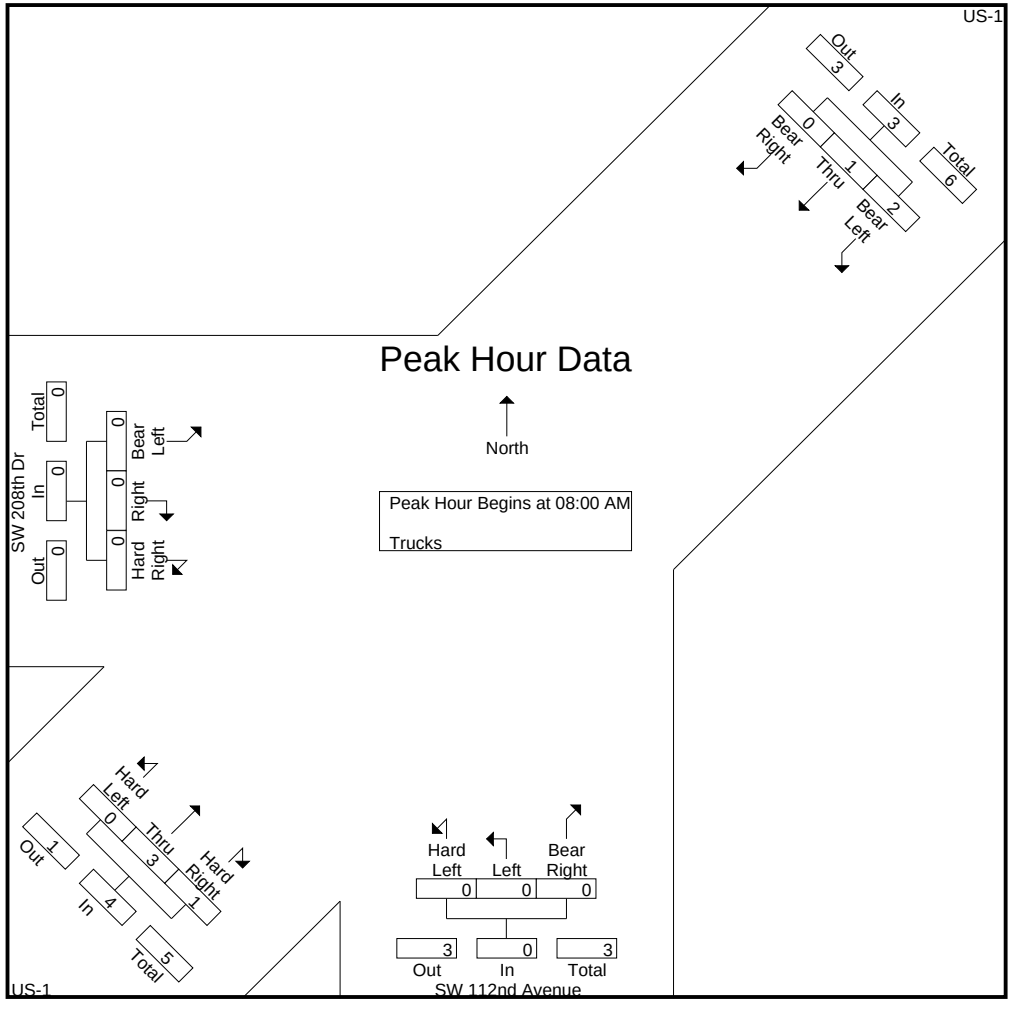
US-1 at SW 112nd Avenue & SW 208th Dr

File Name : TMC-17 US-1 at SW 112nd Avenue & SW 208th Street
Site Code : 00000000
Start Date : 6/15/2023
Page No : 3

	SW 112nd Avenue Northbound					SW 208th Dr Eastbound					US-1 Southwest					US-1 Northeast					
Start Time	U-Turn	Hard Left	Left	Bear Right	App. Total	U-Turn	Bear Left	Right	Hard Right	App. Total	U-Turn	Bear Left	Thru	Bear Right	App. Total	U-Turn	Hard Left	Thru	Hard Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	**2**	2
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	**1**	**1**	0	**2**	0	0	1	0	1	**3**
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	0	0	3	1	4	7
% App. Total	0	0	0	0		0	0	0	0		0	66.7	33.3	0		0	0	75	25		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.500	.250	.000	.375	.000	.000	.375	.250	.500	.583

US-1 at SW 112nd Avenue & SW 208th Dr

File Name : TMC-17 US-1 at SW 112nd Avenue & SW 208th Street
Site Code : 00000000
Start Date : 6/15/2023
Page No : 4



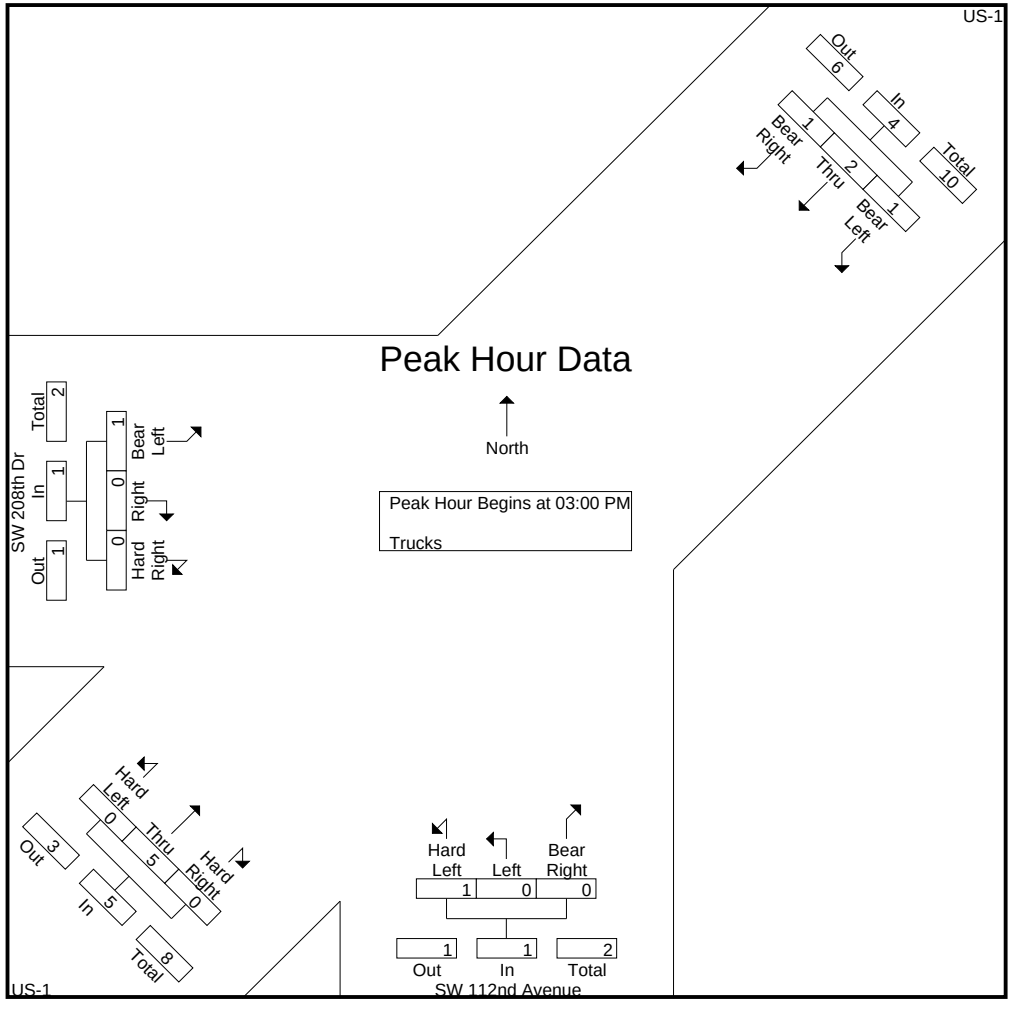
US-1 at SW 112nd Avenue & SW 208th Dr

File Name : TMC-17 US-1 at SW 112nd Avenue & SW 208th Street
Site Code : 00000000
Start Date : 6/15/2023
Page No : 5

	SW 112nd Avenue Northbound					SW 208th Dr Eastbound					US-1 Southwest					US-1 Northeast					
Start Time	U-Turn	Hard Left	Left	Bear Right	App. Total	U-Turn	Bear Left	Right	Hard Right	App. Total	U-Turn	Bear Left	Thru	Bear Right	App. Total	U-Turn	Hard Left	Thru	Hard Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:00 PM																					
03:00 PM	0	**1**	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	**2**	3
03:15 PM	0	0	0	0	0	0	**1**	0	0	**1**	0	**1**	0	0	1	0	0	2	0	2	**4**
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	**2**	0	0	1	0	1	3
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	1	0	0	0	0	0	1
Total Volume	0	1	0	0	1	0	1	0	0	1	0	1	2	1	4	0	0	5	0	5	11
% App. Total	0	100	0	0		0	100	0	0		0	25	50	25		0	0	100	0		
PHF	.000	.250	.000	.000	.250	.000	.250	.000	.000	.250	.000	.250	.250	.250	.500	.000	.000	.625	.000	.625	.688

US-1 at SW 112nd Avenue & SW 208th Dr

File Name : TMC-17 US-1 at SW 112nd Avenue & SW 208th Street
Site Code : 00000000
Start Date : 6/15/2023
Page No : 6



NW 27th Avenue at NW 132nd Street

File Name : TMC-11 NW 27th Avenue at NW 132nd Street
Site Code : 00000000
Start Date : 5/31/2023
Page No : 1

Groups Printed- Peds & Bikes

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			NW 132nd Street Westbound			NW 132nd Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
07:00 AM	0	0	0	0	0	0	0	0	0	1	0	1	1
07:15 AM	0	0	0	1	0	1	0	0	0	0	1	1	2
07:30 AM	0	0	0	0	0	0	0	0	0	2	0	2	2
*** BREAK ***													
Total	0	0	0	1	0	1	0	0	0	3	1	4	5
08:00 AM	1	0	1	0	0	0	0	0	0	0	0	0	1
*** BREAK ***													
08:30 AM	0	0	0	6	0	6	0	0	0	1	1	2	8
08:45 AM	0	0	0	2	0	2	0	0	0	1	0	1	3
Total	1	0	1	8	0	8	0	0	0	2	1	3	12
*** BREAK ***													
03:00 PM	1	0	1	0	1	1	0	0	0	4	0	4	6
03:15 PM	0	1	1	0	0	0	0	0	0	2	0	2	3
03:30 PM	1	0	1	0	1	1	0	0	0	1	0	1	3
03:45 PM	0	1	1	0	0	0	0	0	0	1	0	1	2
Total	2	2	4	0	2	2	0	0	0	8	0	8	14
*** BREAK ***													
04:15 PM	0	0	0	3	0	3	0	0	0	0	0	0	3
*** BREAK ***													
04:45 PM	0	0	0	1	0	1	0	0	0	4	3	7	8
Total	0	0	0	4	0	4	0	0	0	4	3	7	11
Grand Total	3	2	5	13	2	15	0	0	0	17	5	22	42
Apprch %	60	40		86.7	13.3		0	0		77.3	22.7		
Total %	7.1	4.8	11.9	31	4.8	35.7	0	0	0	40.5	11.9	52.4	

NW 27th Avenue at NW 132nd Street

File Name : TMC-11 NW 27th Avenue at NW 132nd Street
Site Code : 00000000
Start Date : 5/31/2023
Page No : 2

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			NW 132nd Street Westbound			NW 132nd Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 08:00 AM													
08:00 AM	**1**	0	**1**	0	0	0	0	0	0	0	0	0	1
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30 AM	0	0	0	**6**	0	**6**	0	0	0	**1**	**1**	**2**	**8**
08:45 AM	0	0	0	2	0	2	0	0	0	1	0	1	3
Total Volume	1	0	1	8	0	8	0	0	0	2	1	3	12
% App. Total	100	0		100	0		0	0		66.7	33.3		
PHF	.250	.000	.250	.333	.000	.333	.000	.000	.000	.500	.250	.375	.375

NW 27th Avenue at NW 132nd Street

File Name : TMC-11 NW 27th Avenue at NW 132nd Street
Site Code : 00000000
Start Date : 5/31/2023
Page No : 3

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			NW 132nd Street Westbound			NW 132nd Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 03:00 PM													
03:00 PM	**1**	0	**1**	0	**1**	**1**	0	0	0	**4**	0	**4**	**6**
03:15 PM	0	**1**	1	0	0	0	0	0	0	2	0	2	3
03:30 PM	1	0	1	0	1	1	0	0	0	1	0	1	3
03:45 PM	0	1	1	0	0	0	0	0	0	1	0	1	2
Total Volume	2	2	4	0	2	2	0	0	0	8	0	8	14
% App. Total	50	50		0	100		0	0		100	0		
PHF	.500	.500	1.00	.000	.500	.500	.000	.000	.000	.500	.000	.500	.583

NW 27th Avenue at NW 132nd Street

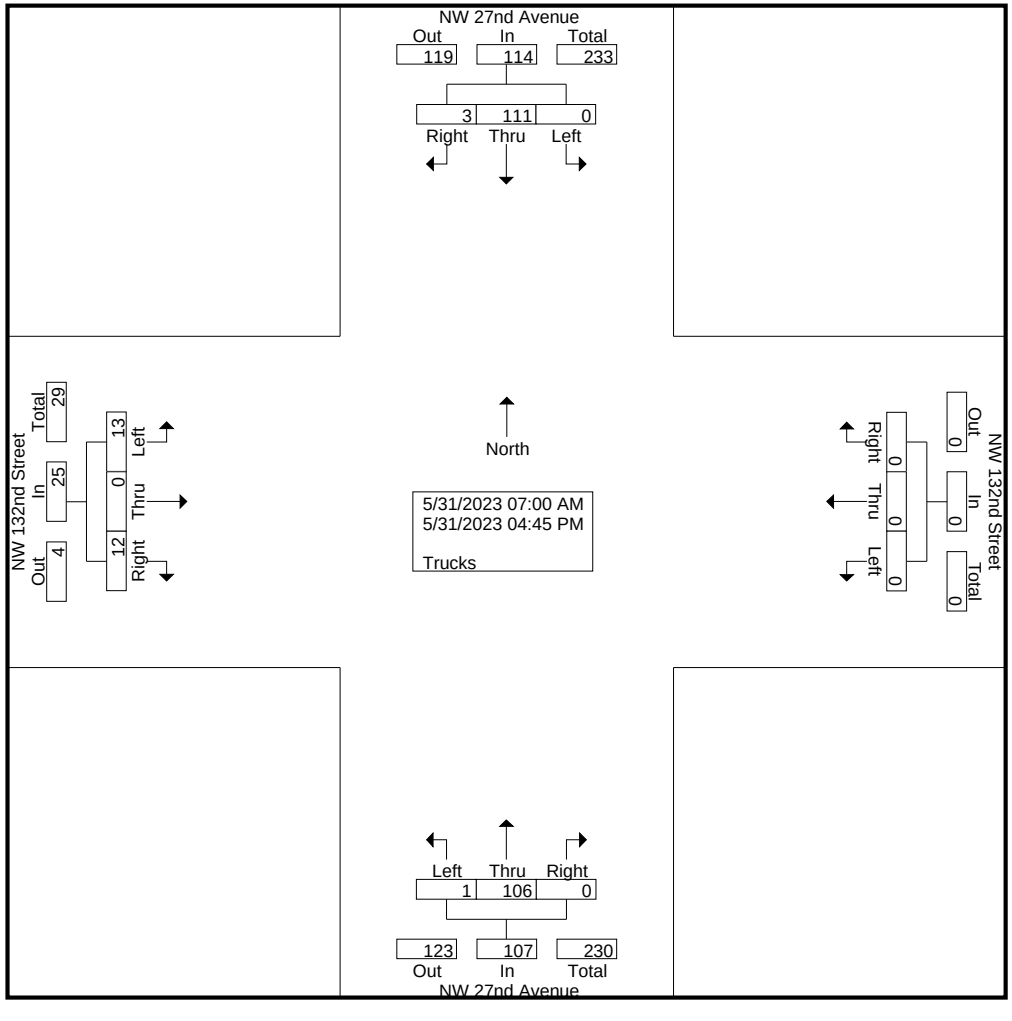
File Name : TMC-11 NW 27th Avenue at NW 132nd Street
Site Code : 00000000
Start Date : 5/31/2023
Page No : 1

Groups Printed- Trucks

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					NW 132nd Street Westbound					NW 132nd Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	0	7	0	7	0	0	5	0	5	0	0	0	0	0	0	3	0	0	3	15
07:15 AM	0	0	6	0	6	0	0	15	0	15	0	0	0	0	0	0	1	0	0	1	22
07:30 AM	0	0	2	0	2	0	0	9	0	9	0	0	0	0	0	0	1	0	2	3	14
07:45 AM	0	0	2	0	2	0	0	7	0	7	0	0	0	0	0	0	1	0	4	5	14
Total	0	0	17	0	17	0	0	36	0	36	0	0	0	0	0	0	6	0	6	12	65
08:00 AM	0	0	9	0	9	0	0	11	0	11	0	0	0	0	0	0	1	0	4	5	25
08:15 AM	0	0	6	0	6	0	0	7	0	7	0	0	0	0	0	0	0	0	0	0	13
08:30 AM	0	0	11	0	11	0	0	3	0	3	0	0	0	0	0	0	2	0	0	2	16
08:45 AM	0	0	5	0	5	0	1	7	0	8	0	0	0	0	0	0	1	0	0	1	14
Total	0	0	31	0	31	0	1	28	0	29	0	0	0	0	0	0	4	0	4	8	68
*** BREAK ***																					
03:00 PM	0	0	8	0	8	0	0	7	0	7	0	0	0	0	0	0	1	0	0	1	16
03:15 PM	0	0	7	0	7	0	0	5	0	5	0	0	0	0	0	0	2	0	0	2	14
03:30 PM	0	0	8	0	8	0	0	6	0	6	0	0	0	0	0	0	0	0	1	1	15
03:45 PM	0	0	7	0	7	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	10
Total	0	0	30	0	30	0	0	21	0	21	0	0	0	0	0	0	3	0	1	4	55
04:00 PM	0	0	11	0	11	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	14
04:15 PM	0	0	9	0	9	0	0	6	0	6	0	0	0	0	0	0	0	0	0	0	15
04:30 PM	0	0	8	2	10	0	0	6	0	6	0	0	0	0	0	0	0	0	0	0	16
04:45 PM	0	0	5	1	6	0	0	6	0	6	0	0	0	0	0	0	0	0	1	1	13
Total	0	0	33	3	36	0	0	21	0	21	0	0	0	0	0	0	0	0	1	1	58
Grand Total	0	0	111	3	114	0	1	106	0	107	0	0	0	0	0	0	13	0	12	25	246
Apprch %	0	0	97.4	2.6		0	0.9	99.1	0		0	0	0	0		0	52	0	48		
Total %	0	0	45.1	1.2	46.3	0	0.4	43.1	0	43.5	0	0	0	0	0	0	5.3	0	4.9	10.2	

NW 27th Avenue at NW 132nd Street

File Name : TMC-11 NW 27th Avenue at NW 132nd Street
Site Code : 00000000
Start Date : 5/31/2023
Page No : 2



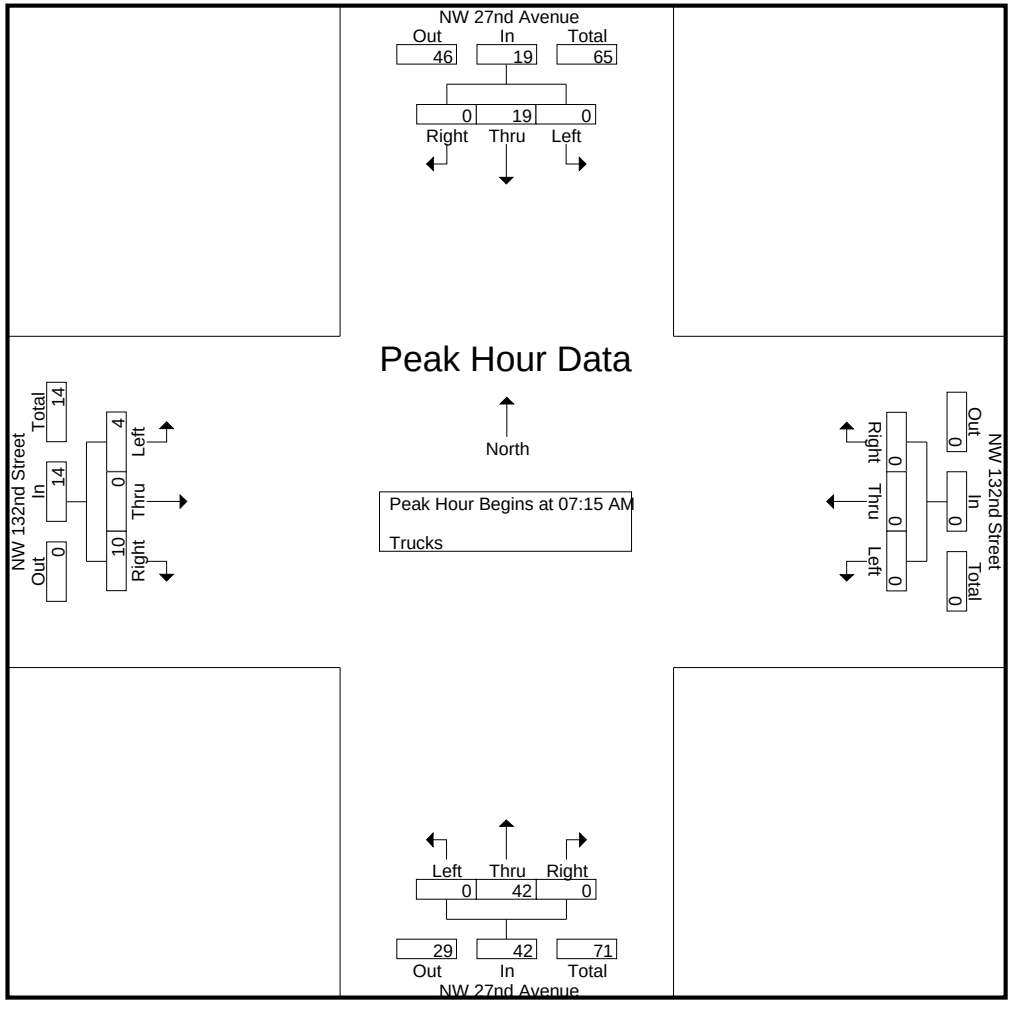
NW 27th Avenue at NW 132nd Street

File Name : TMC-11 NW 27th Avenue at NW 132nd Street
Site Code : 00000000
Start Date : 5/31/2023
Page No : 3

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					NW 132nd Street Westbound					NW 132nd Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	0	6	0	6	0	0	**15**	0	**15**	0	0	0	0	0	0	**1**	0	0	1	22
07:30 AM	0	0	2	0	2	0	0	9	0	9	0	0	0	0	0	0	1	0	2	3	14
07:45 AM	0	0	2	0	2	0	0	7	0	7	0	0	0	0	0	0	1	0	**4**	**5**	14
08:00 AM	0	0	**9**	0	**9**	0	0	11	0	11	0	0	0	0	0	0	1	0	4	5	**25**
Total Volume	0	0	19	0	19	0	0	42	0	42	0	0	0	0	0	0	4	0	10	14	75
% App. Total	0	0	100	0		0	0	100	0		0	0	0	0		0	28.6	0	71.4		
PHF	.000	.000	.528	.000	.528	.000	.000	.700	.000	.700	.000	.000	.000	.000	.000	.000	1.00	.000	.625	.700	.750

NW 27th Avenue at NW 132nd Street

File Name : TMC-11 NW 27th Avenue at NW 132nd Street
Site Code : 00000000
Start Date : 5/31/2023
Page No : 4



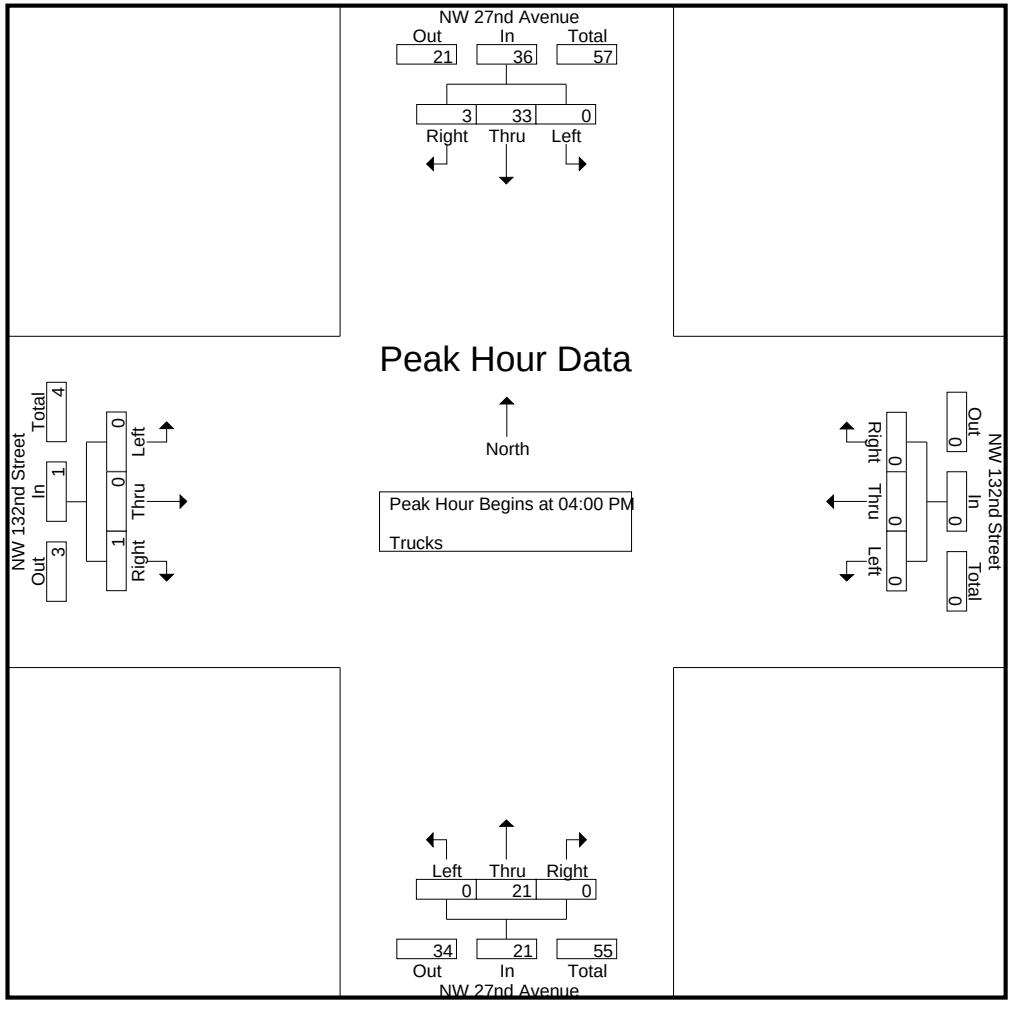
NW 27th Avenue at NW 132nd Street

File Name : TMC-11 NW 27th Avenue at NW 132nd Street
Site Code : 00000000
Start Date : 5/31/2023
Page No : 5

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					NW 132nd Street Westbound					NW 132nd Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	0	**11**	0	**11**	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	14
04:15 PM	0	0	9	0	9	0	0	**6**	0	**6**	0	0	0	0	0	0	0	0	0	0	15
04:30 PM	0	0	8	**2**	10	0	0	6	0	6	0	0	0	0	0	0	0	0	0	0	**16**
04:45 PM	0	0	5	1	6	0	0	6	0	6	0	0	0	0	0	0	0	0	**1**	**1**	13
Total Volume	0	0	33	3	36	0	0	21	0	21	0	0	0	0	0	0	0	0	1	1	58
% App. Total	0	0	91.7	8.3		0	0	100	0		0	0	0	0		0	0	0	100		
PHF	.000	.000	.750	.375	.818	.000	.000	.875	.000	.875	.000	.000	.000	.000	.000	.000	.000	.000	.250	.250	.906

NW 27th Avenue at NW 132nd Street

File Name : TMC-11 NW 27th Avenue at NW 132nd Street
Site Code : 00000000
Start Date : 5/31/2023
Page No : 6



NW 27th Avenue at Burlington Street & SR-9

File Name : TMC-16 NW 27th Avenue at Burlington St & SR-9
Site Code : 00000000
Start Date : 6/14/2023
Page No : 1

Groups Printed- Peds & Bikes

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			SR-9 Westbound			Burlington Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
07:00 AM	0	0	0	1	0	1	0	1	1	1	0	1	3
07:15 AM	1	0	1	0	0	0	0	0	0	0	2	2	3
*** BREAK ***													
07:45 AM	0	0	0	0	0	0	0	0	0	2	3	5	5
Total	1	0	1	1	0	1	0	1	1	3	5	8	11
08:00 AM	0	0	0	0	0	0	1	0	1	1	1	2	3
08:15 AM	0	1	1	0	0	0	1	0	1	0	1	1	3
08:30 AM	0	0	0	0	0	0	1	0	1	3	1	4	5
08:45 AM	0	0	0	0	0	0	0	0	0	0	1	1	1
Total	0	1	1	0	0	0	3	0	3	4	4	8	12
*** BREAK ***													
03:00 PM	1	0	1	1	0	1	0	0	0	0	0	0	2
03:15 PM	0	1	1	0	0	0	0	0	0	2	0	2	3
03:30 PM	3	0	3	0	0	0	0	0	0	4	1	5	8
03:45 PM	1	0	1	0	0	0	0	0	0	3	0	3	4
Total	5	1	6	1	0	1	0	0	0	9	1	10	17
04:00 PM	0	0	0	0	0	0	0	0	0	1	2	3	3
04:15 PM	1	0	1	0	0	0	1	0	1	3	1	4	6
04:30 PM	0	0	0	0	0	0	0	0	0	1	0	1	1
04:45 PM	0	0	0	0	0	0	0	0	0	1	1	2	2
Total	1	0	1	0	0	0	1	0	1	6	4	10	12
Grand Total	7	2	9	2	0	2	4	1	5	22	14	36	52
Apprch %	77.8	22.2		100	0		80	20		61.1	38.9		
Total %	13.5	3.8	17.3	3.8	0	3.8	7.7	1.9	9.6	42.3	26.9	69.2	

NW 27th Avenue at Burlington Street & SR-9

File Name : TMC-16 NW 27th Avenue at Burlington St & SR-9
Site Code : 00000000
Start Date : 6/14/2023

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			SR-9 Westbound			Burlington Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:45 AM													
07:45 AM	0	0	0	0	0	0	0	0	0	2	**3**	**5**	**5**
08:00 AM	0	0	0	0	0	0	**1**	0	**1**	1	1	2	3
08:15 AM	0	**1**	**1**	0	0	0	1	0	1	0	1	1	3
08:30 AM	0	0	0	0	0	0	1	0	1	**3**	1	4	5
Total Volume	0	1	1	0	0	0	3	0	3	6	6	12	16
% App. Total	0	100		0	0		100	0		50	50		
PHF	.000	.250	.250	.000	.000	.000	.750	.000	.750	.500	.500	.600	.800

NW 27th Avenue at Burlington Street & SR-9

File Name : TMC-16 NW 27th Avenue at Burlington St & SR-9
Site Code : 00000000
Start Date : 6/14/2023
Page No : 3

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			SR-9 Westbound			Burlington Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 03:30 PM													
03:30 PM	**3**	0	**3**	0	0	0	0	0	0	**4**	1	**5**	**8**
03:45 PM	1	0	1	0	0	0	0	0	0	3	0	3	4
04:00 PM	0	0	0	0	0	0	0	0	0	1	**2**	3	3
04:15 PM	1	0	1	0	0	0	**1**	0	**1**	3	1	4	6
Total Volume	5	0	5	0	0	0	1	0	1	11	4	15	21
% App. Total	100	0		0	0		100	0		73.3	26.7		
PHF	.417	.000	.417	.000	.000	.000	.250	.000	.250	.688	.500	.750	.656

NW 27th Avenue at Burlington Street & SR-9

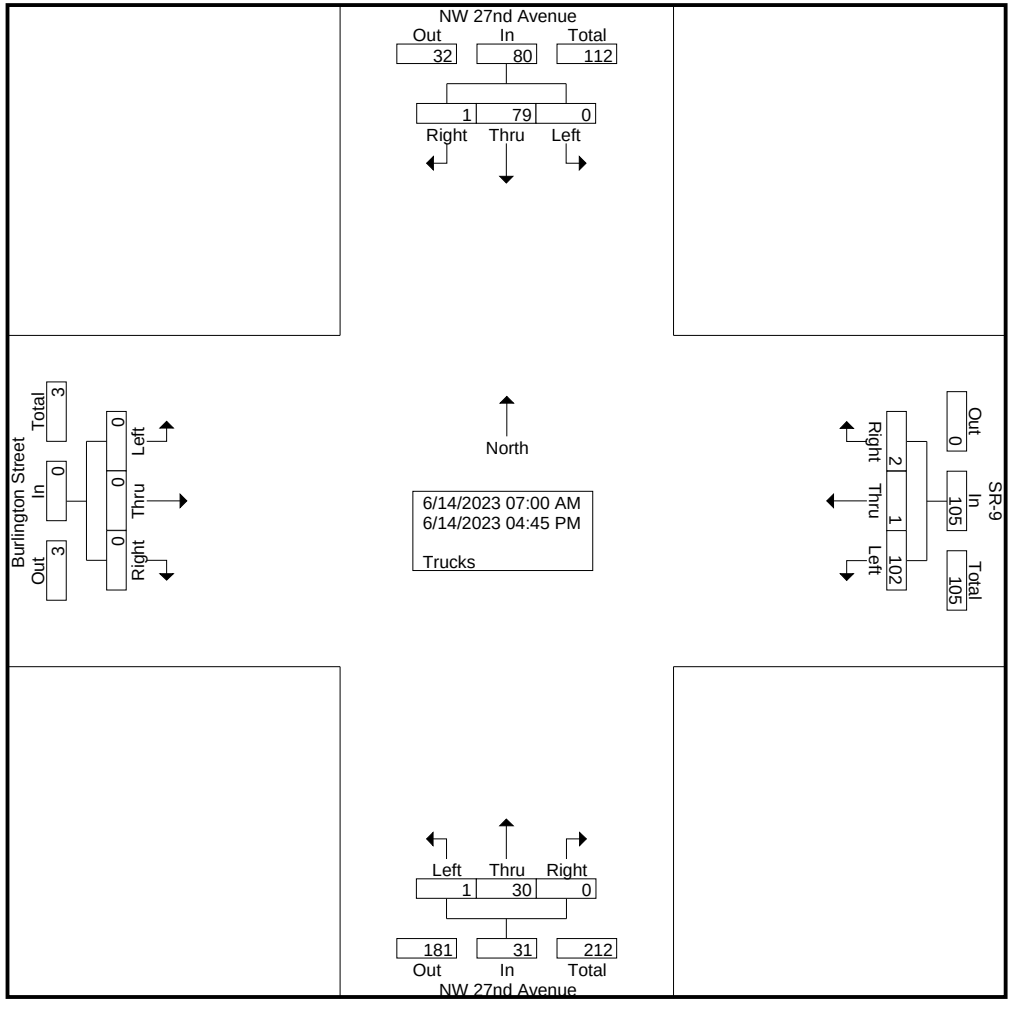
File Name : TMC-16 NW 27th Avenue at Burlington St & SR-9
Site Code : 00000000
Start Date : 6/14/2023
Page No : 1

Groups Printed- Trucks

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					SR-9 Westbound					Burlington Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	0	6	0	6	0	0	3	0	3	0	7	0	0	7	0	0	0	0	0	16
07:15 AM	0	0	4	0	4	0	0	1	0	1	0	6	0	1	7	0	0	0	0	0	12
07:30 AM	0	0	5	0	5	0	0	3	0	3	0	4	0	1	5	0	0	0	0	0	13
07:45 AM	0	0	3	0	3	0	0	5	0	5	0	3	0	0	3	0	0	0	0	0	11
Total	0	0	18	0	18	0	0	12	0	12	0	20	0	2	22	0	0	0	0	0	52
08:00 AM	0	0	3	0	3	0	0	3	0	3	0	7	0	0	7	0	0	0	0	0	13
08:15 AM	0	0	4	0	4	0	0	2	0	2	0	9	0	0	9	0	0	0	0	0	15
08:30 AM	0	0	10	1	11	0	0	0	0	0	0	7	1	0	8	0	0	0	0	0	19
08:45 AM	0	0	6	0	6	0	0	3	0	3	0	8	0	0	8	0	0	0	0	0	17
Total	0	0	23	1	24	0	0	8	0	8	0	31	1	0	32	0	0	0	0	0	64
*** BREAK ***																					
03:00 PM	0	0	5	0	5	0	0	1	0	1	0	7	0	0	7	0	0	0	0	0	13
03:15 PM	0	0	3	0	3	0	0	1	0	1	0	8	0	0	8	0	0	0	0	0	12
03:30 PM	0	0	3	0	3	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	7
03:45 PM	0	0	3	0	3	0	0	2	0	2	0	10	0	0	10	0	0	0	0	0	15
Total	0	0	14	0	14	0	0	4	0	4	0	29	0	0	29	0	0	0	0	0	47
04:00 PM	0	0	7	0	7	0	1	1	0	2	0	4	0	0	4	0	0	0	0	0	13
04:15 PM	0	0	3	0	3	0	0	3	0	3	0	6	0	0	6	0	0	0	0	0	12
04:30 PM	0	0	5	0	5	0	0	1	0	1	0	7	0	0	7	0	0	0	0	0	13
04:45 PM	0	0	9	0	9	0	0	1	0	1	0	5	0	0	5	0	0	0	0	0	15
Total	0	0	24	0	24	0	1	6	0	7	0	22	0	0	22	0	0	0	0	0	53
Grand Total	0	0	79	1	80	0	1	30	0	31	0	102	1	2	105	0	0	0	0	0	216
Apprch %	0	0	98.8	1.2		0	3.2	96.8	0		0	97.1	1	1.9		0	0	0	0		
Total %	0	0	36.6	0.5	37	0	0.5	13.9	0	14.4	0	47.2	0.5	0.9	48.6	0	0	0	0	0	

NW 27th Avenue at Burlington Street & SR-9

File Name : TMC-16 NW 27th Avenue at Burlington St & SR-9
Site Code : 00000000
Start Date : 6/14/2023
Page No : 2



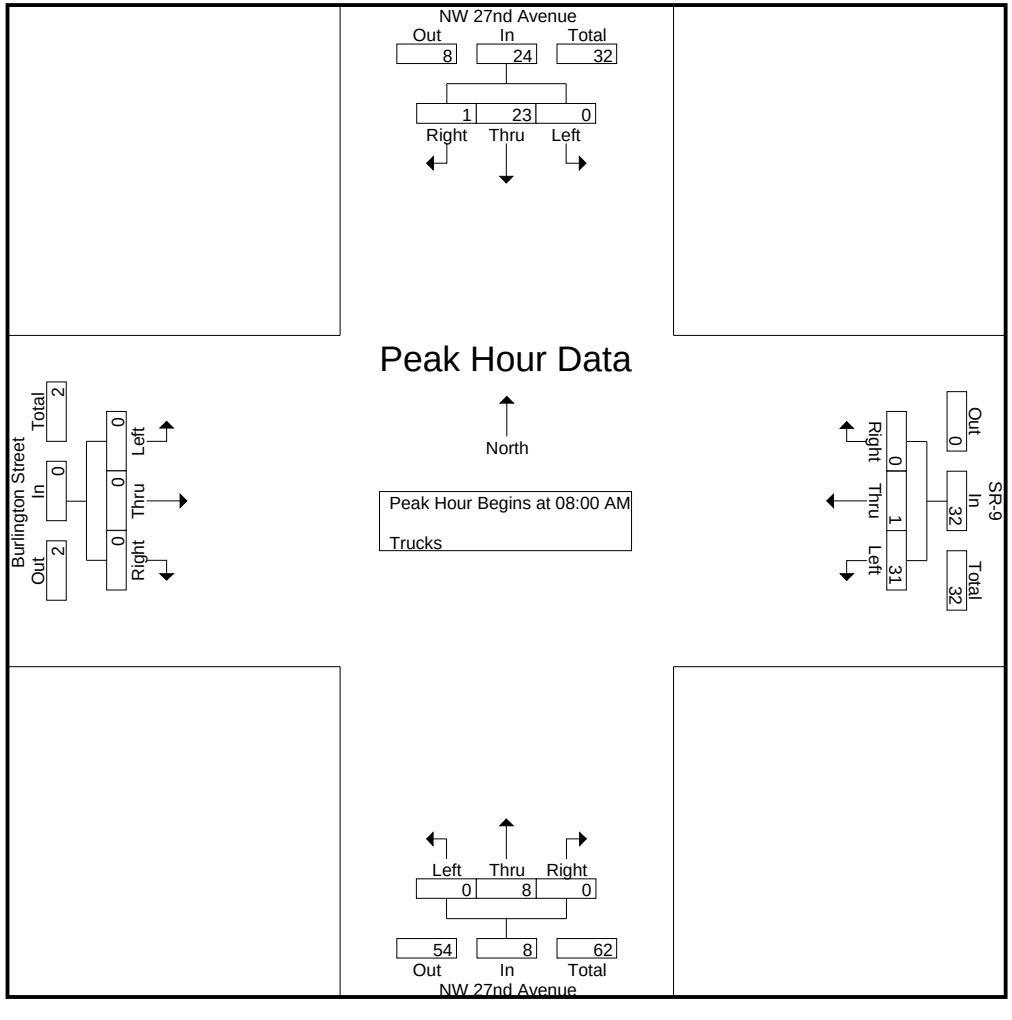
NW 27th Avenue at Burlington Street & SR-9

File Name : TMC-16 NW 27th Avenue at Burlington St & SR-9
Site Code : 00000000
Start Date : 6/14/2023
Page No : 3

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					SR-9 Westbound					Burlington Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	0	0	3	0	3	0	0	**3**	0	**3**	0	7	0	0	7	0	0	0	0	0	13
08:15 AM	0	0	4	0	4	0	0	2	0	2	0	**9**	0	0	**9**	0	0	0	0	0	15
08:30 AM	0	0	**10**	**1**	**11**	0	0	0	0	0	0	7	**1**	0	8	0	0	0	0	0	**19**
08:45 AM	0	0	6	0	6	0	0	3	0	3	0	8	0	0	8	0	0	0	0	0	17
Total Volume	0	0	23	1	24	0	0	8	0	8	0	31	1	0	32	0	0	0	0	0	64
% App. Total	0	0	95.8	4.2		0	0	100	0		0	96.9	3.1	0		0	0	0	0		
PHF	.000	.000	.575	.250	.545	.000	.000	.667	.000	.667	.000	.861	.250	.000	.889	.000	.000	.000	.000	.000	.842

NW 27th Avenue at Burlington Street & SR-9

File Name : TMC-16 NW 27th Avenue at Burlington St & SR-9
Site Code : 00000000
Start Date : 6/14/2023
Page No : 4



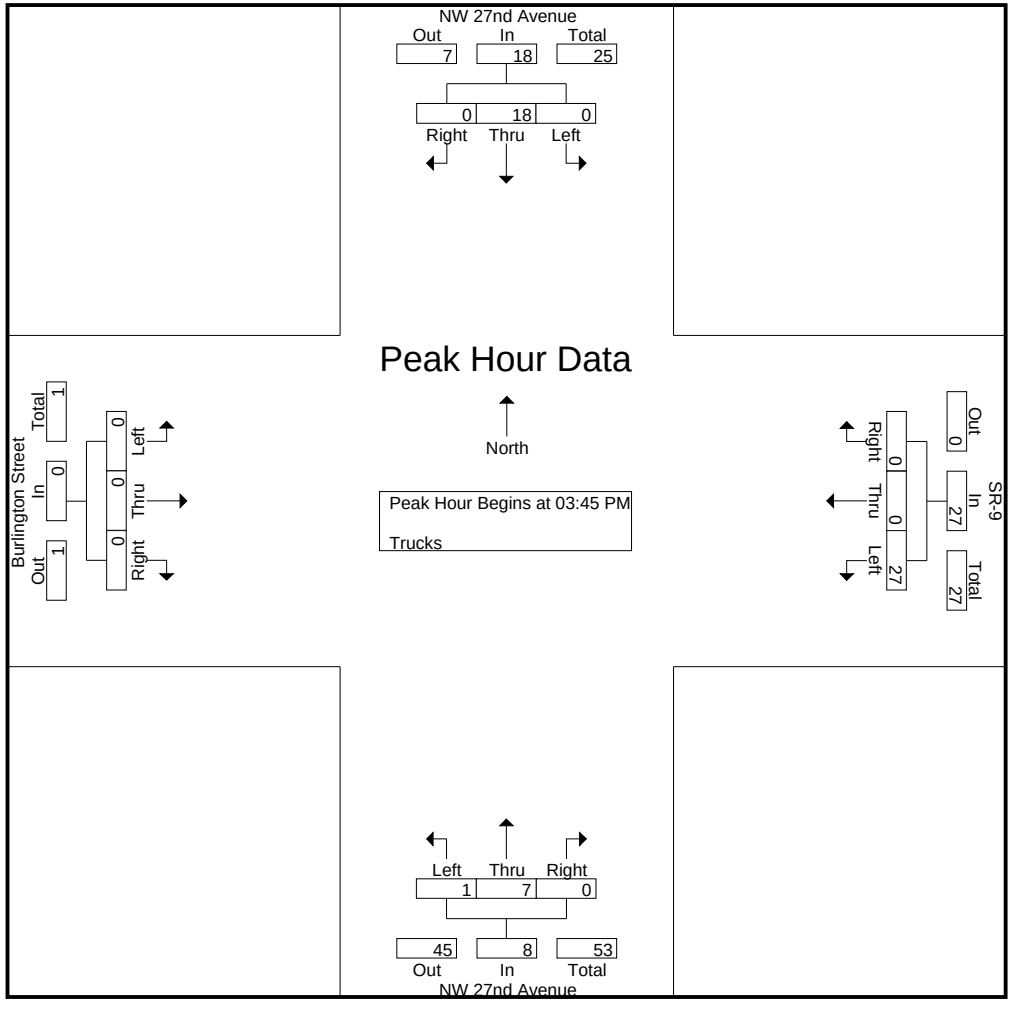
NW 27th Avenue at Burlington Street & SR-9

File Name : TMC-16 NW 27th Avenue at Burlington St & SR-9
Site Code : 00000000
Start Date : 6/14/2023
Page No : 5

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					SR-9 Westbound					Burlington Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:45 PM																					
03:45 PM	0	0	3	0	3	0	0	2	0	2	0	**10**	0	0	**10**	0	0	0	0	0	**15**
04:00 PM	0	0	**7**	0	**7**	0	**1**	1	0	2	0	4	0	0	4	0	0	0	0	0	13
04:15 PM	0	0	3	0	3	0	0	**3**	0	**3**	0	6	0	0	6	0	0	0	0	0	12
04:30 PM	0	0	5	0	5	0	0	1	0	1	0	7	0	0	7	0	0	0	0	0	13
Total Volume	0	0	18	0	18	0	1	7	0	8	0	27	0	0	27	0	0	0	0	0	53
% App. Total	0	0	100	0		0	12.5	87.5	0		0	100	0	0		0	0	0	0		
PHF	.000	.000	.643	.000	.643	.000	.250	.583	.000	.667	.000	.675	.000	.000	.675	.000	.000	.000	.000	.000	.883

NW 27th Avenue at Burlington Street & SR-9

File Name : TMC-16 NW 27th Avenue at Burlington St & SR-9
Site Code : 00000000
Start Date : 6/14/2023
Page No : 6



NW 27th Avenue at NW 95th Street

File Name : TMC-12 NW 27th Avenue at NW 95th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 1

Groups Printed- Peds & Bikes

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			NW 95th Street Westbound			NW 95th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
*** BREAK ***													
07:15 AM	0	0	0	0	1	1	0	0	0	0	0	0	1
07:30 AM	2	0	2	2	0	2	0	0	0	3	1	4	8
07:45 AM	0	0	0	2	1	3	0	0	0	0	0	0	3
Total	2	0	2	4	2	6	0	0	0	3	1	4	12
08:00 AM	0	0	0	0	1	1	0	0	0	0	0	0	1
08:15 AM	0	0	0	1	0	1	0	0	0	0	0	0	1
08:30 AM	0	0	0	0	1	1	0	0	0	0	0	0	1
08:45 AM	1	0	1	3	1	4	0	0	0	1	1	2	7
Total	1	0	1	4	3	7	0	0	0	1	1	2	10
*** BREAK ***													
03:00 PM	1	0	1	0	0	0	0	0	0	0	2	2	3
03:15 PM	1	0	1	0	0	0	0	0	0	0	0	0	1
*** BREAK ***													
03:45 PM	0	0	0	0	1	1	0	0	0	0	0	0	1
Total	2	0	2	0	1	1	0	0	0	0	2	2	5
04:00 PM	1	0	1	0	0	0	0	0	0	3	0	3	4
04:15 PM	2	0	2	0	1	1	0	0	0	0	0	0	3
04:30 PM	0	0	0	0	2	2	0	0	0	0	0	0	2
04:45 PM	0	2	2	0	0	0	0	0	0	0	3	3	5
Total	3	2	5	0	3	3	0	0	0	3	3	6	14
Grand Total	8	2	10	8	9	17	0	0	0	7	7	14	41
Apprch %	80	20		47.1	52.9		0	0		50	50		
Total %	19.5	4.9	24.4	19.5	22	41.5	0	0	0	17.1	17.1	34.1	

NW 27th Avenue at NW 95th Street

File Name : TMC-12 NW 27th Avenue at NW 95th Street
Site Code : 00000000
Start Date : 6/13/2023

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			NW 95th Street Westbound			NW 95th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:15 AM													
07:15 AM	0	0	0	0	**1**	1	0	0	0	0	0	0	1
07:30 AM	**2**	0	**2**	**2**	0	2	0	0	0	**3**	**1**	**4**	**8**
07:45 AM	0	0	0	2	1	**3**	0	0	0	0	0	0	3
08:00 AM	0	0	0	0	1	1	0	0	0	0	0	0	1
Total Volume	2	0	2	4	3	7	0	0	0	3	1	4	13
% App. Total	100	0		57.1	42.9		0	0		75	25		
PHF	.250	.000	.250	.500	.750	.583	.000	.000	.000	.250	.250	.250	.406

NW 27th Avenue at NW 95th Street

File Name : TMC-12 NW 27th Avenue at NW 95th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 3

	NW 27nd Avenue Southbound			NW 27nd Avenue Northbound			NW 95th Street Westbound			NW 95th Street Eastbound			
Start Time	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Peds	Bikes	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:00 PM													
04:00 PM	1	0	1	0	0	0	0	0	0	**3**	0	**3**	4
04:15 PM	**2**	0	**2**	0	1	1	0	0	0	0	0	0	3
04:30 PM	0	0	0	0	**2**	**2**	0	0	0	0	0	0	2
04:45 PM	0	**2**	2	0	0	0	0	0	0	0	**3**	3	**5**
Total Volume	3	2	5	0	3	3	0	0	0	3	3	6	14
% App. Total	60	40		0	100		0	0		50	50		
PHF	.375	.250	.625	.000	.375	.375	.000	.000	.000	.250	.250	.500	.700

NW 27th Avenue at NW 95th Street

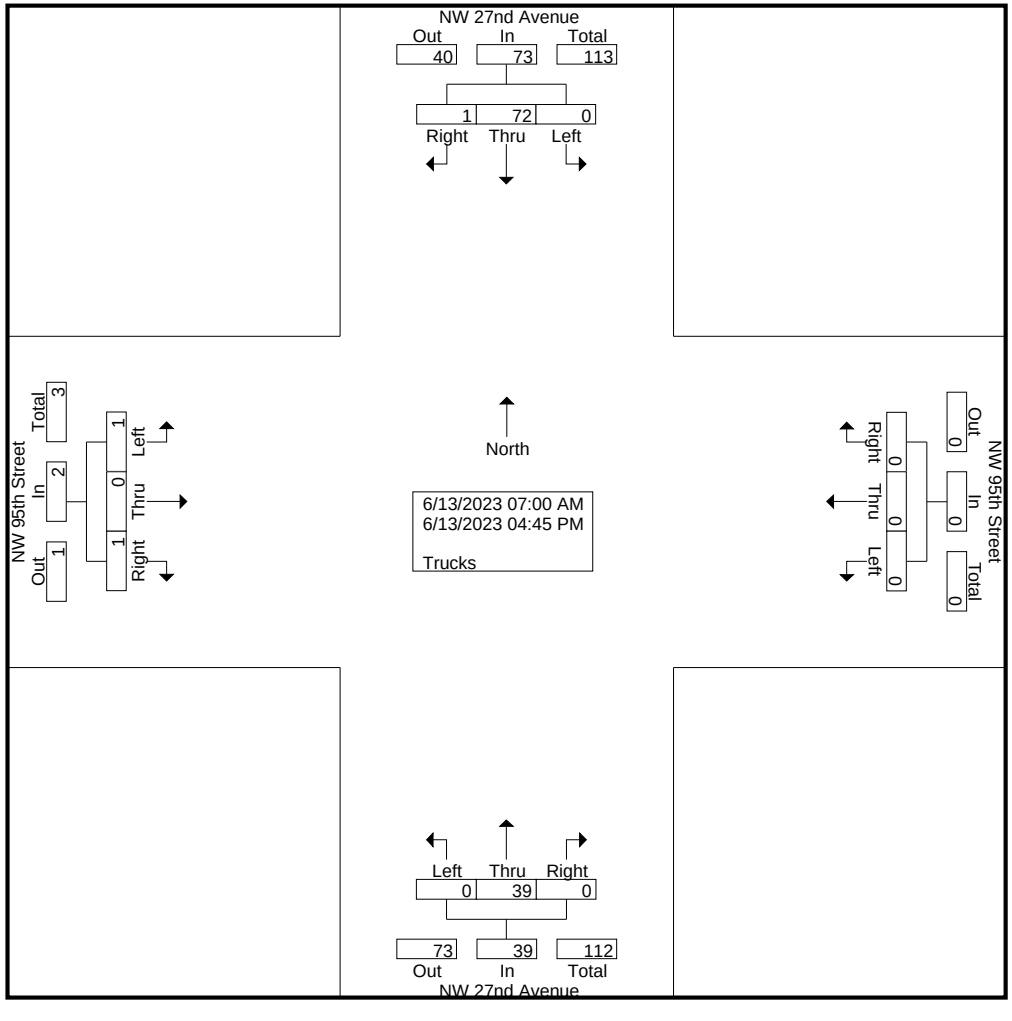
File Name : TMC-12 NW 27th Avenue at NW 95th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 1

Groups Printed- Trucks

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					NW 95th Street Westbound					NW 95th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	0	2	0	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3
07:15 AM	0	0	7	0	7	0	0	6	0	6	0	0	0	0	0	0	0	0	0	0	13
07:30 AM	0	0	5	0	5	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	10
07:45 AM	0	0	8	0	8	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	11
Total	0	0	22	0	22	0	0	15	0	15	0	0	0	0	0	0	0	0	0	0	37
08:00 AM	0	0	5	1	6	0	0	2	0	2	0	0	0	0	0	0	0	0	1	1	9
08:15 AM	0	0	6	0	6	0	0	2	0	2	0	0	0	0	0	0	1	0	0	1	9
08:30 AM	0	0	8	0	8	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	11
08:45 AM	0	0	3	0	3	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	7
Total	0	0	22	1	23	0	0	11	0	11	0	0	0	0	0	0	1	0	1	2	36
*** BREAK ***																					
03:00 PM	0	0	5	0	5	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	7
03:15 PM	0	0	3	0	3	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	7
03:30 PM	0	0	3	0	3	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	5
03:45 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	12	0	12	0	0	8	0	8	0	0	0	0	0	0	0	0	0	0	20
04:00 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:15 PM	0	0	1	0	1	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	4
04:30 PM	0	0	11	0	11	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	13
04:45 PM	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	0	0	16	0	16	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	21
Grand Total	0	0	72	1	73	0	0	39	0	39	0	0	0	0	0	0	1	0	1	2	114
Apprch %	0	0	98.6	1.4		0	0	100	0		0	0	0	0		0	50	0	50		
Total %	0	0	63.2	0.9	64	0	0	34.2	0	34.2	0	0	0	0	0	0	0.9	0	0.9	1.8	

NW 27th Avenue at NW 95th Street

File Name : TMC-12 NW 27th Avenue at NW 95th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 2



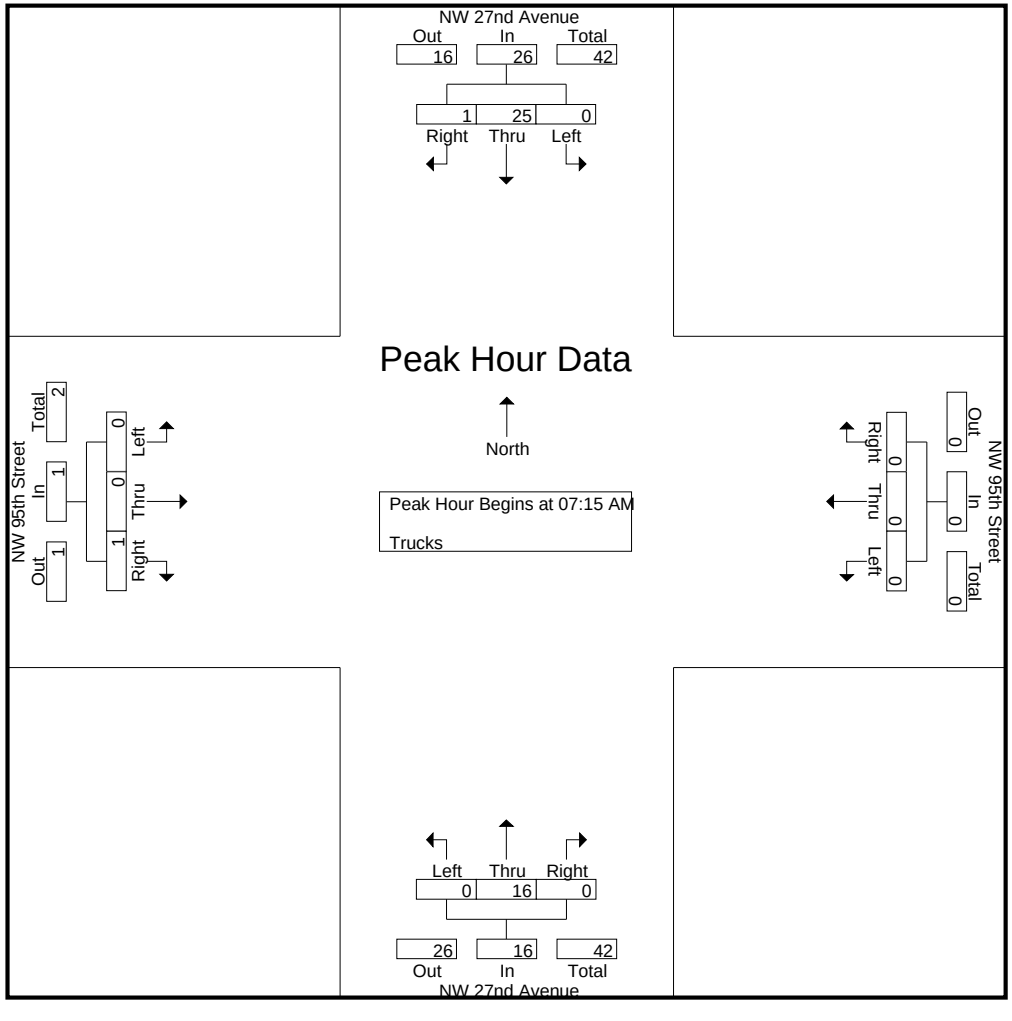
NW 27th Avenue at NW 95th Street

File Name : TMC-12 NW 27th Avenue at NW 95th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 3

	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					NW 95th Street Westbound					NW 95th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	0	7	0	7	0	0	**6**	0	**6**	0	0	0	0	0	0	0	0	0	0	**13**
07:30 AM	0	0	5	0	5	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	10
07:45 AM	0	0	**8**	0	**8**	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	11
08:00 AM	0	0	5	**1**	6	0	0	2	0	2	0	0	0	0	0	0	0	0	**1**	**1**	9
Total Volume	0	0	25	1	26	0	0	16	0	16	0	0	0	0	0	0	0	0	1	1	43
% App. Total	0	0	96.2	3.8		0	0	100	0		0	0	0	0		0	0	0	100		
PHF	.000	.000	.781	.250	.813	.000	.000	.667	.000	.667	.000	.000	.000	.000	.000	.000	.000	.000	.250	.250	.827

NW 27th Avenue at NW 95th Street

File Name : TMC-12 NW 27th Avenue at NW 95th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 4



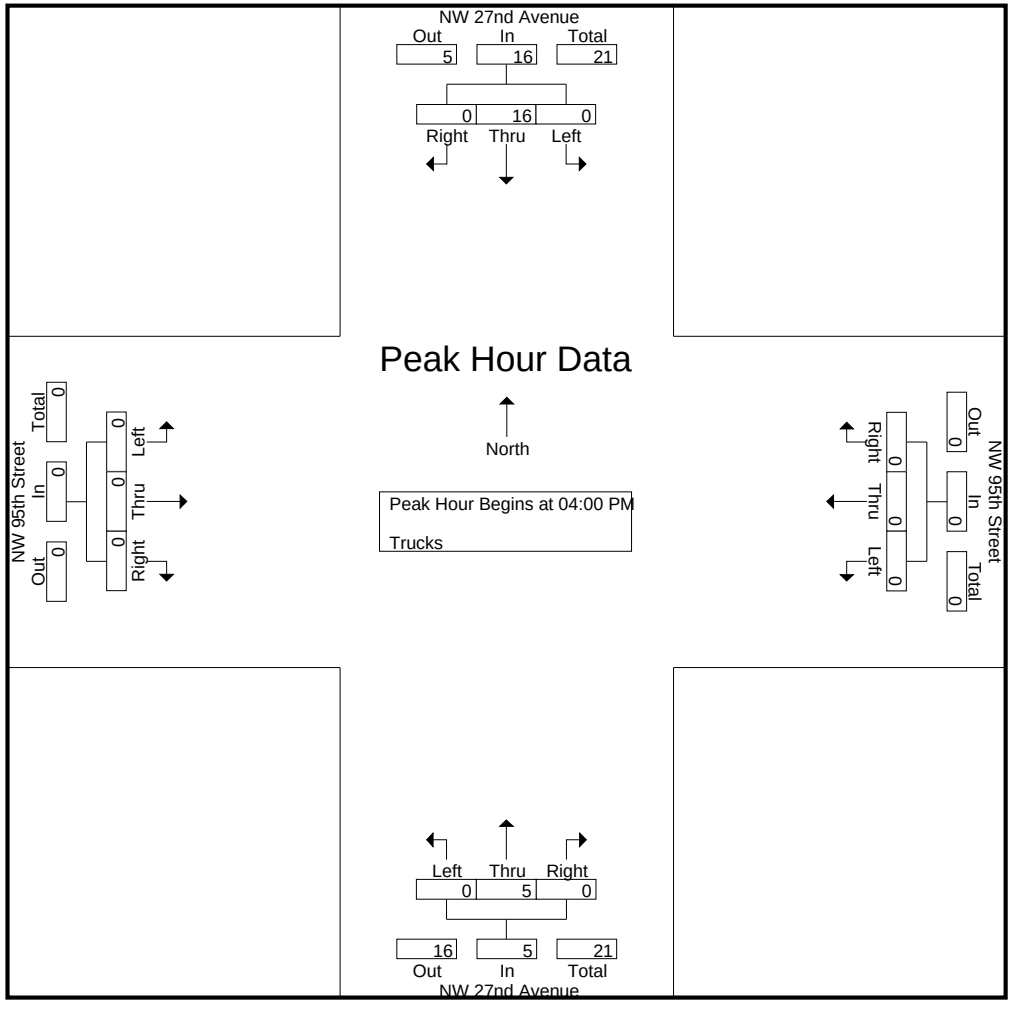
NW 27th Avenue at NW 95th Street

File Name : TMC-12 NW 27th Avenue at NW 95th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 5

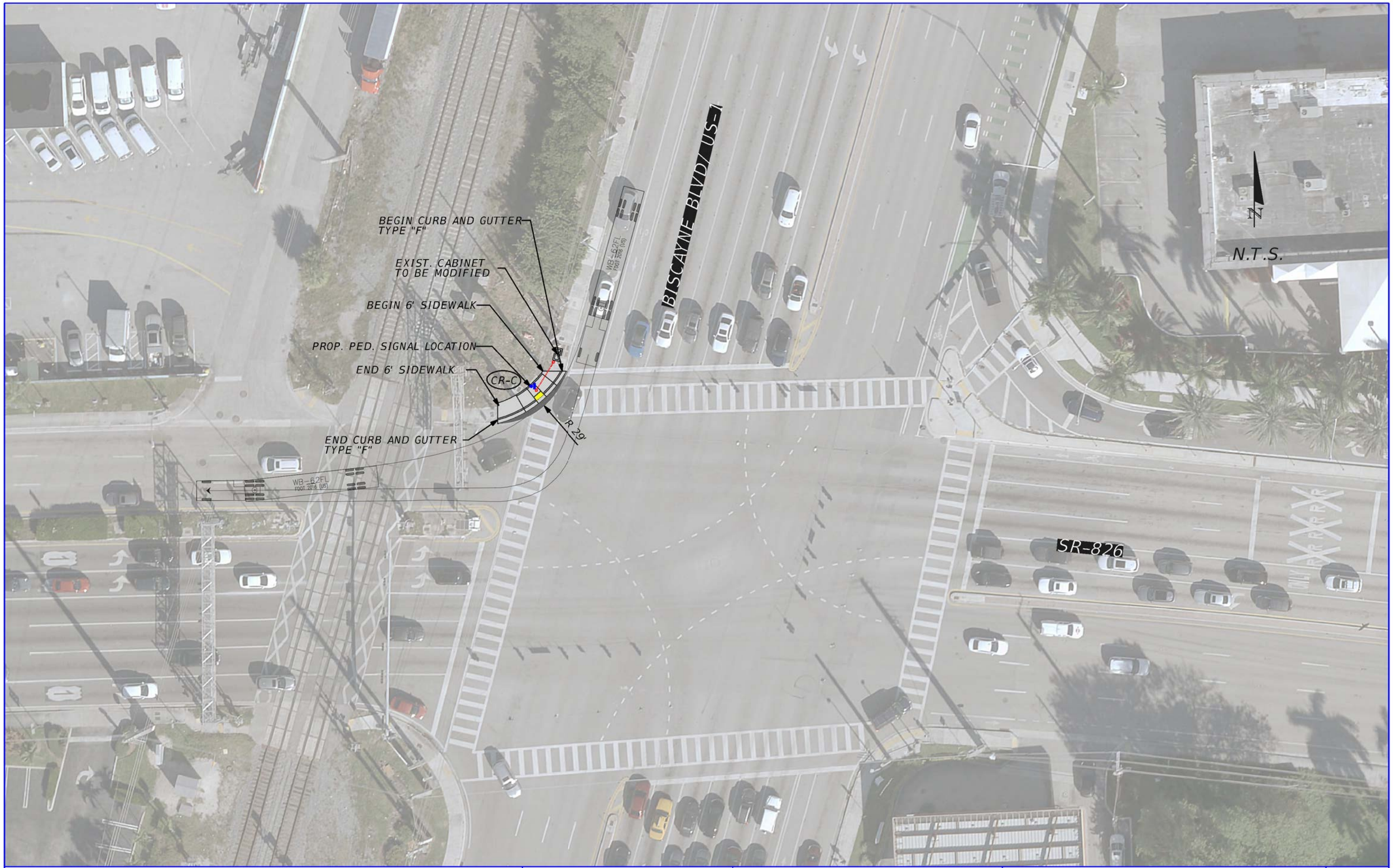
	NW 27nd Avenue Southbound					NW 27nd Avenue Northbound					NW 95th Street Westbound					NW 95th Street Eastbound					
Start Time	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	U-Turns	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 04:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:15 PM	0	0	1	0	1	0	0	**3**	0	**3**	0	0	0	0	0	0	0	0	0	0	4
04:30 PM	0	0	**11**	0	**11**	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	**13**
04:45 PM	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total Volume	0	0	16	0	16	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	21
% App. Total	0	0	100	0		0	0	100	0		0	0	0	0		0	0	0	0		
PHF	.000	.000	.364	.000	.364	.000	.000	.417	.000	.417	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.404

NW 27th Avenue at NW 95th Street

File Name : TMC-12 NW 27th Avenue at NW 95th Street
Site Code : 00000000
Start Date : 6/13/2023
Page No : 6



Appendix G: Proposed Improvement Design Conceptual and Cost Estimates



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

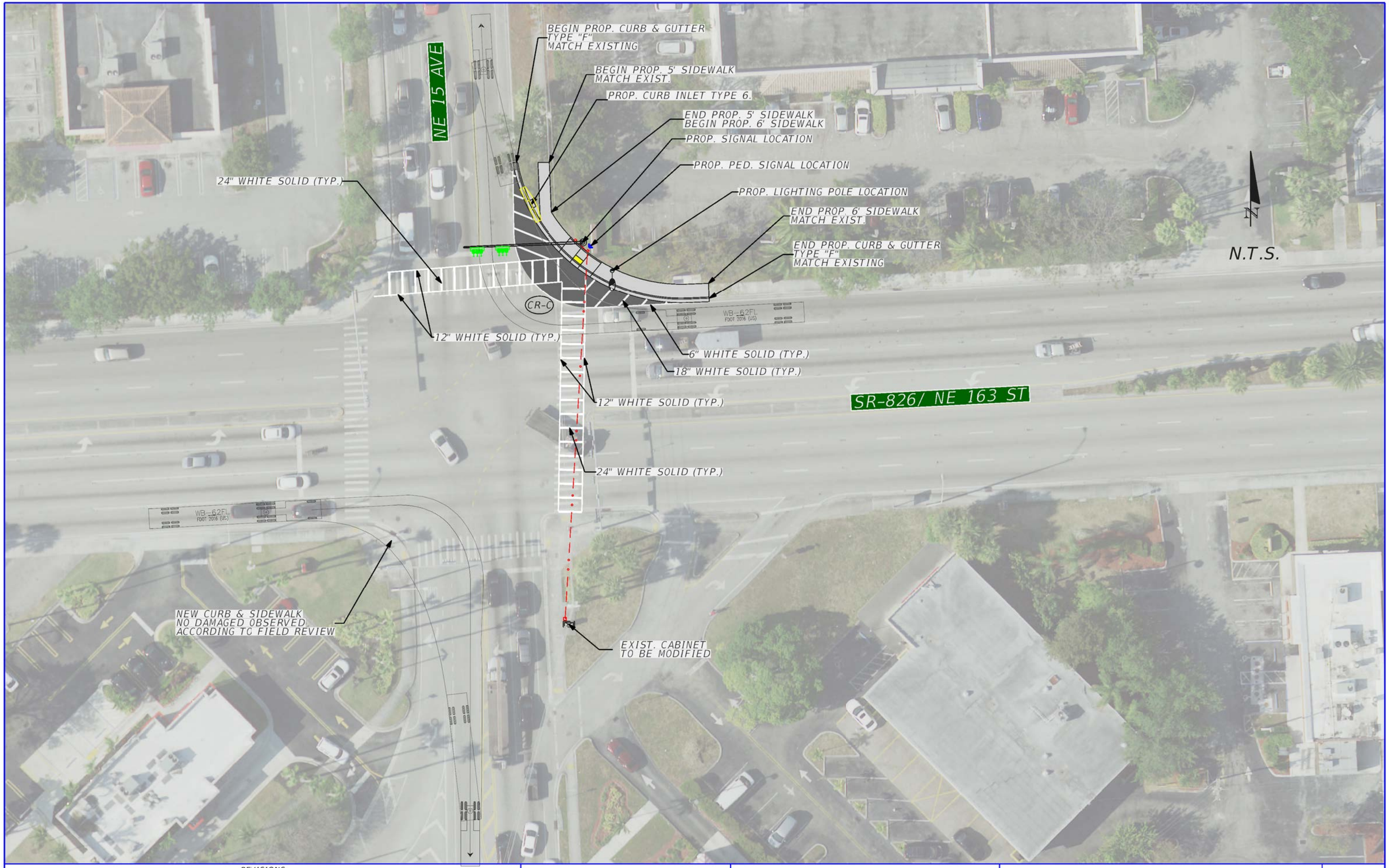
SB BISCAYNE BLVD/ US-1 RIGHT TURN TO WB SR-826
WB SR-826 RIGHT TURN TO NB BISCAYNE BLVD/ US-1

SHEET NO.

ASSET ID 2010

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2010 **- US-1 & SR- 826**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.024	$1,253.36
160 4	TYPE B STABILIZATION	SY	$1.41	14	$19.74
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	14	$386.26
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	2	$326.42
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	2	$393.86
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	35	$1,802.85
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	90	$5,595.30
527 2	DETECTABLE WARNINGS	SF	$34.26	27	$925.02
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	13	$495.30
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	2	$2,818.40
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	1	$2,219.69
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
-	CONTINGENCY	15%	$3,218.35		$3,218.35
0101 1	MOBILIZATION	10%	$2,145.57		$2,145.57
0102 1	MOT	10%	$2,145.57		$2,145.57
			TOTAL		$28,965.15



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

WB SR-826 RIGHT TURN TO NB NE 15 AVE
EB SR-826 RIGHT TURN TO SB NE 15 AVE

SHEET NO.

ASSET ID 2014

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2014 **- SR- 826 & NE 15 Av**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.052	$2,715.61
160 4	TYPE B STABILIZATION	SY	$1.41	103	$145.23
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	103	$2,841.77
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	8	$1,305.68
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	8	$1,575.44
425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	1	$6,010.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	110	$5,666.10
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	90	$5,595.30
527 2	DETECTABLE WARNINGS	SF	$34.26	10	$342.60
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	165	$6,286.50
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	3	$4,227.60
649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	1	$67,972.67
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	2	$3,121.28
653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAY	AS	$1,948.49	1	$1,948.49
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	354	$899.16
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	300	$1,593.00
711 11 224	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.01	78	$312.78
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.026	$143.93
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.35	6	$2.10
715 68000	LIGHT POLE COMPLETE, RELOCATE	EA	$4,873.87	1	$4,873.87
-	CONTINGENCY	15%	$18,092.40		$18,092.40
0101 1	MOBILIZATION	10%	$12,061.60		$12,061.60
0102 1	MOT	10%	$12,061.60		$12,061.60
			TOTAL		$167,707.58

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

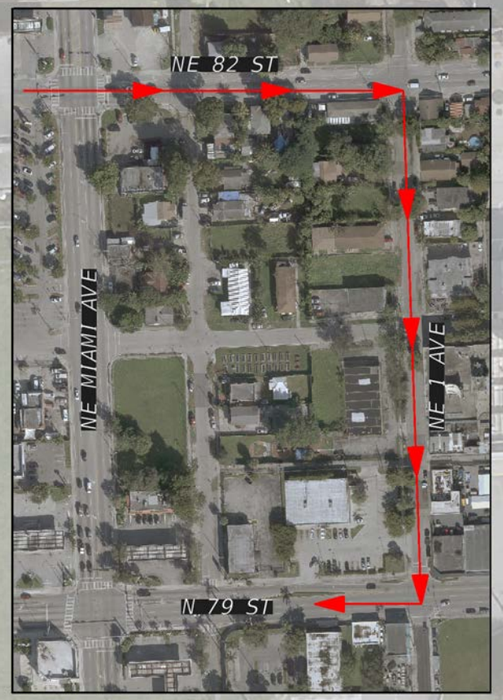
WB SR-826 RIGHT TURN TO NB NW 2 AVE
EB SR-826 RIGHT TURN TO SB NW 2 AVE

SHEET NO.

ASSET ID 2020

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2020 **- SR- 826 & NW 2 Av**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.045	$2,350.05
160 4	TYPE B STABILIZATION	SY	$1.41	97	$136.77
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	97	$2,676.23
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	6	$979.26
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	97	$19,102.21
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	206	$7,790.92
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	90	$5,595.30
527 2	DETECTABLE WARNINGS	SF	$34.26	30	$1,027.80
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	117	$4,457.70
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	2	$2,818.40
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	1	$2,219.69
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	110	$279.40
711 11 124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$4.01	106	$425.06
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	31	$164.61
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.058	$321.07
-	CONTINGENCY	15%	$8,334.59		$8,334.59
0101 1	MOBILIZATION	10%	$5,556.39		$5,556.39
0102 1	MOT	10%	$5,556.39		$5,556.39
			TOTAL		$75,011.31



R5-2
24" X 24"
M6-1
18" X 24"

N MIAMI AVE

BEGIN CURB & GUTTER TYPE "F"
BEGIN 6' SIDEWALK
6" WHITE SOLID (TYP.)
18" WHITE SOLID (TYP.)
PROP. PED. SIGNAL LOCATION
PROP. TRAFFIC SIGNAL LOCATION
EXIST. CABINET TO BE RELOCATED
CR-C
END 6' SIDEWALK
END CURB & GUTTER TYPE "F"

N.T.S.

R/W LINE

WB-62FL FDOT 2016 (US)

WB-62 AASHTO 2016 (US)

R/W LINE

12" WHITE SOLID (TYP.)

N 79 ST

24" WHITE SOLID (TYP.)

24" WHITE SOLID (TYP.)

R/W LINE

12" WHITE SOLID (TYP.)

R/W LINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

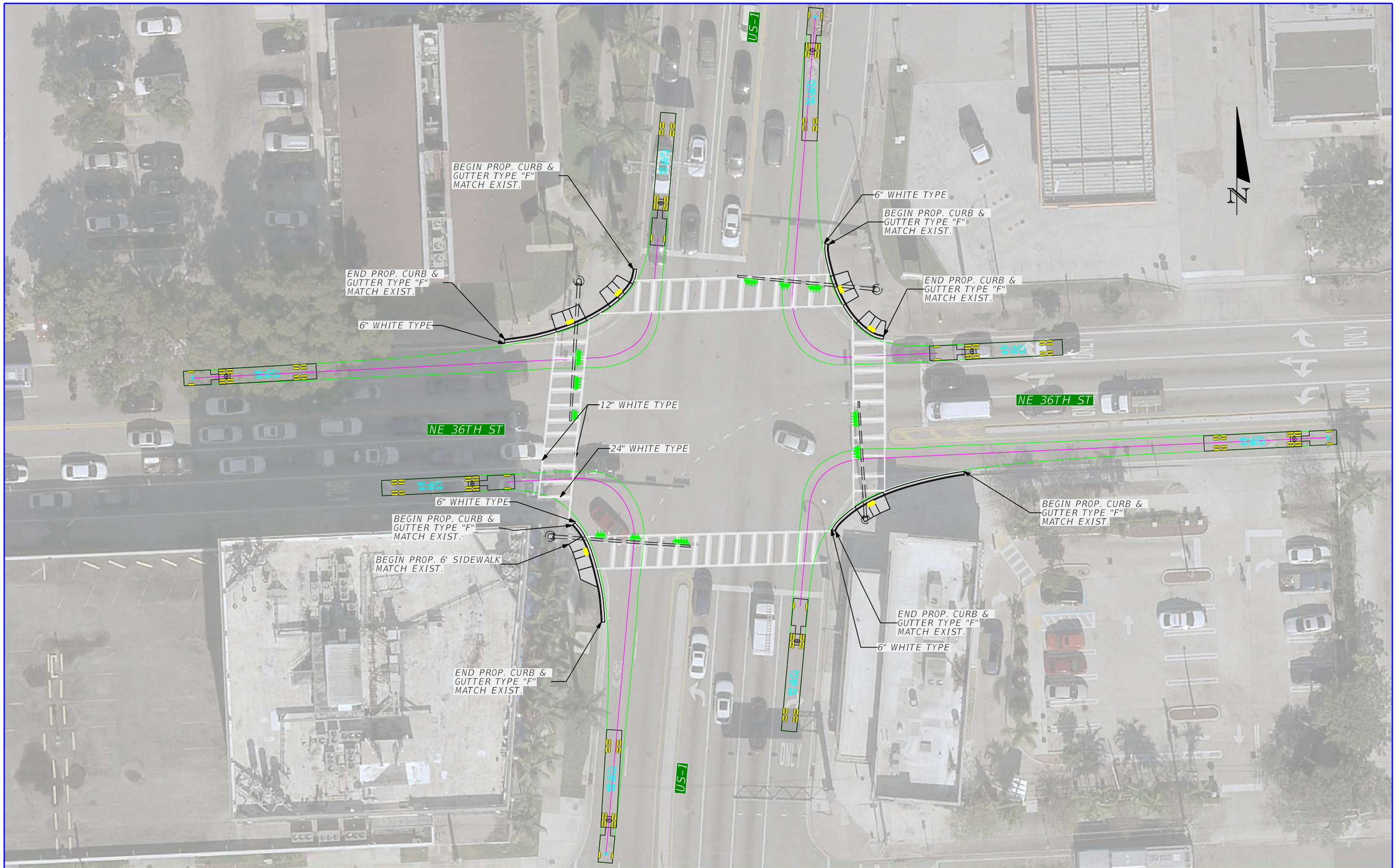
SB N MIAMI AVE RIGTH TURN TO WB N 79 ST
WB N 79 ST RIGHT TURN TO NB N MIAMI AVE

SHEET NO.

ASSET ID 2093

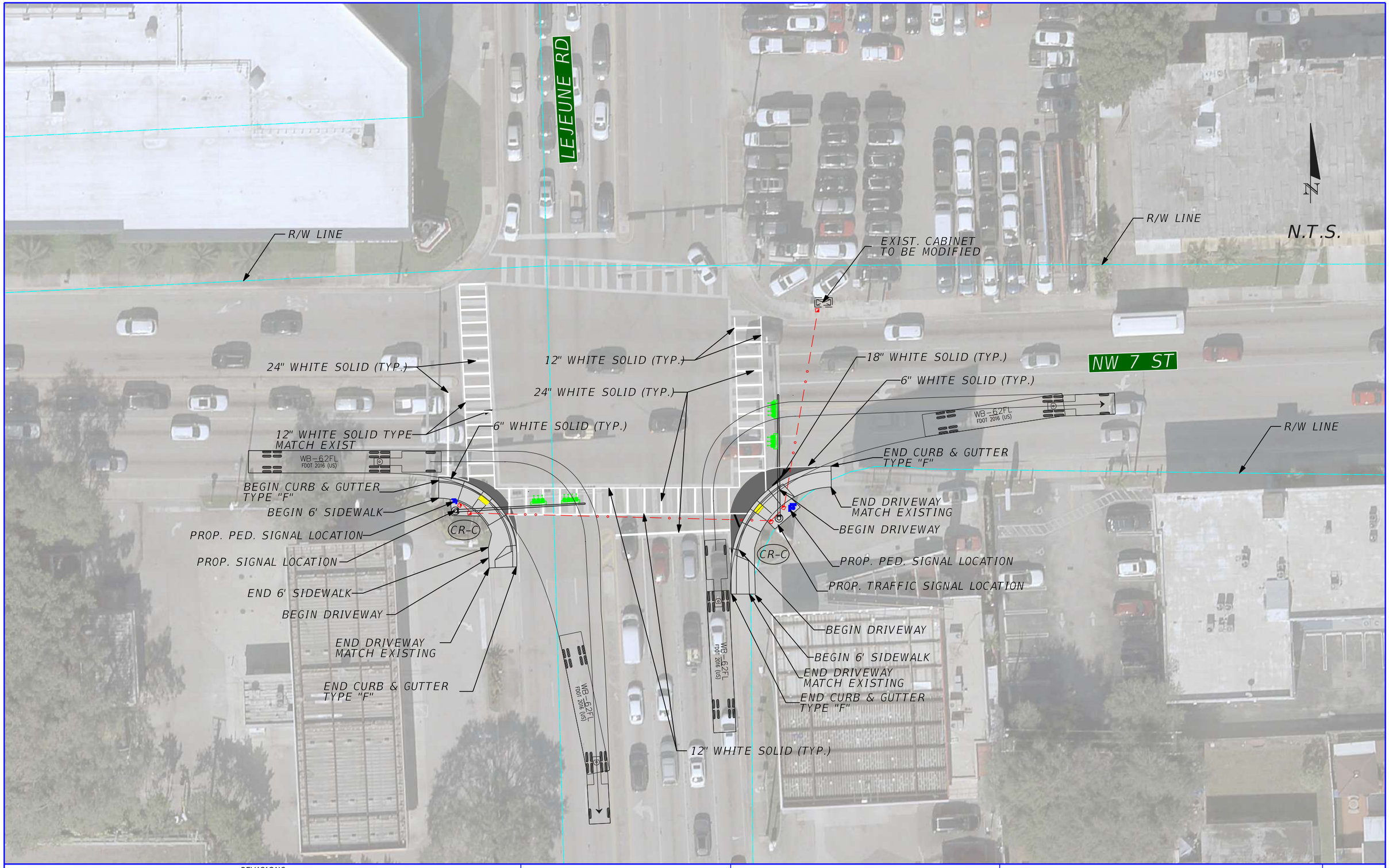
$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2093 **- N 79 St & N Miami Av**					
0102 1	MAINTENANCE OF TRAFFIC	LS	$761.76	1	$761.76
0110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.14	$7,780.29
0160 4	TYPE B STABILIZATION	SY	$1.36	51	$69.36
0285706	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	51	$2,209.83
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	1.5	$241.25
0337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	1.5	$295.40
0520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	78	$2,955.42
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	58	$3,604.12
0522 2	DETECTABLE WARNINGS	SF	$78.71	8	$629.68
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.18	30	$1,145.40
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,410.59	2	$2,821.18
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	1	$2,219.69
0649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	1	$67,972.67
0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	1	$1,560.64
0650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	1	$1,919.18
0653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	$1,948.49	1	$1,948.49
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	1	$488.21
0700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	274	$811.04
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	250	$1,327.50
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$3.96	35	$138.60
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.144	$819.62
-	CONTINGENCY	15%	$16,275.17		$16,275.17
0101 1	MOBILIZATION	10%	$10,850.11		$10,850.11
0102 1	MOT	10%	$10,850.11		$10,850.11
			TOTAL		$146,476.52



REVISIONS					STATE OF FLORIDA			US-1 & NE 36 ST ASSET ID 2097	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		Asset ID 2097

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2097 **- US-1 & NE 36 St**					
102 1	MAINTENANCE OF TRAFFIC	LS	$761.76	1	$761.76
110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.143	$7,947.01
160 4	TYPE B STABILIZATION	SY	$1.36	112	$152.32
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	112	$4,852.96
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	10	$1,608.30
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	10	$1,969.30
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	286	$10,836.54
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	235	$14,602.90
527 2	DETECTABLE WARNINGS	SF	$78.71	40	$3,148.40
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.18	520	$19,853.60
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,410.59	9	$12,695.31
635 2 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	$2,794.99	1	$2,794.99
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	6	$13,318.14
649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	1	$67,972.67
650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	2	$3,838.36
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	4	$5,243.64
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	4	$1,726.36
670 5140	TRAFFIC CONTROLLER ASSEMBLY, FURNISH & INSTALL MODEL 2070	AS	$44,000.16	1	$44,000.16
670 5600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	$1,239.64	1	$1,239.64
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	6	$2,929.26
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	2	$8,008.62
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	507	$1,500.72
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	460	$2,442.60
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.065	$369.97
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.58	5	$2.90
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$2,381.17	1	$2,381.17
-	CONTINGENCY	15%	$35,429.64		$35,429.64
0101 1	MOBILIZATION	10%	$23,619.76		$23,619.76
0102 1	MOT	10%	$23,619.76		$23,619.76
			TOTAL		$318,866.75



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

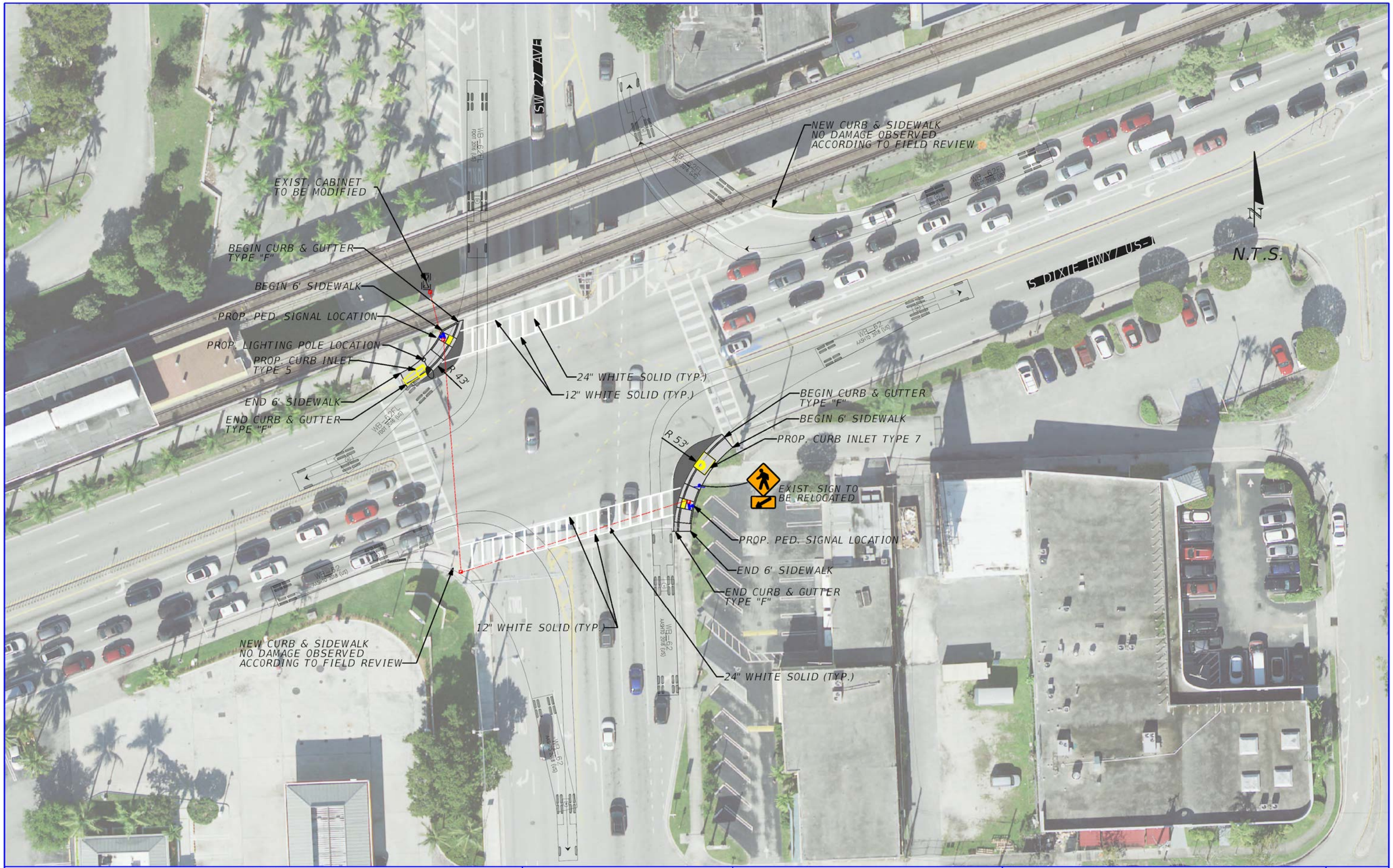
OWNER:

EB NW 7 ST RIGHT TURN TO SB LEJEUNE RD
NB LEJEUNE RD RIGHT TURN TO EB NW 7 ST

SHEET NO.

ASSET ID 2141

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2141 **- LeJeune Rd & NW 7 St**					
0102 1	MAINTENANCE OF TRAFFIC	LS	$761.76	1	$761.76
0110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.024	$1,333.76
0160 4	TYPE B STABILIZATION	SY	$1.36	108	$146.88
0285706	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	108	$4,679.64
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	1.2	$193.00
0337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	1.2	$236.32
0520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	115	$4,357.35
0520 3	VALLEY GUTTER- CONCRETE	LF	$17.00	50	$850.00
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	50	$3,107.00
0522 2	DETECTABLE WARNINGS	SF	$78.71	16	$1,259.36
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.18	210	$8,017.80
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,410.59	5	$7,052.95
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	2	$4,439.38
0649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	2	$135,945.34
0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	4	$6,242.56
0650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	2	$3,838.36
0653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	$1,948.49	2	$3,896.98
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	2	$863.18
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
0700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	2	$8,008.62
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	592	$1,752.32
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	120	$637.20
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.035	$199.21
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$3.96	18	$71.28
-	CONTINGENCY	15%	$30,035.42		$30,035.42
0101 1	MOBILIZATION	10%	$20,023.62		$20,023.62
0102 1	MOT	10%	$20,023.62		$20,023.62
			TOTAL		$270,318.81



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

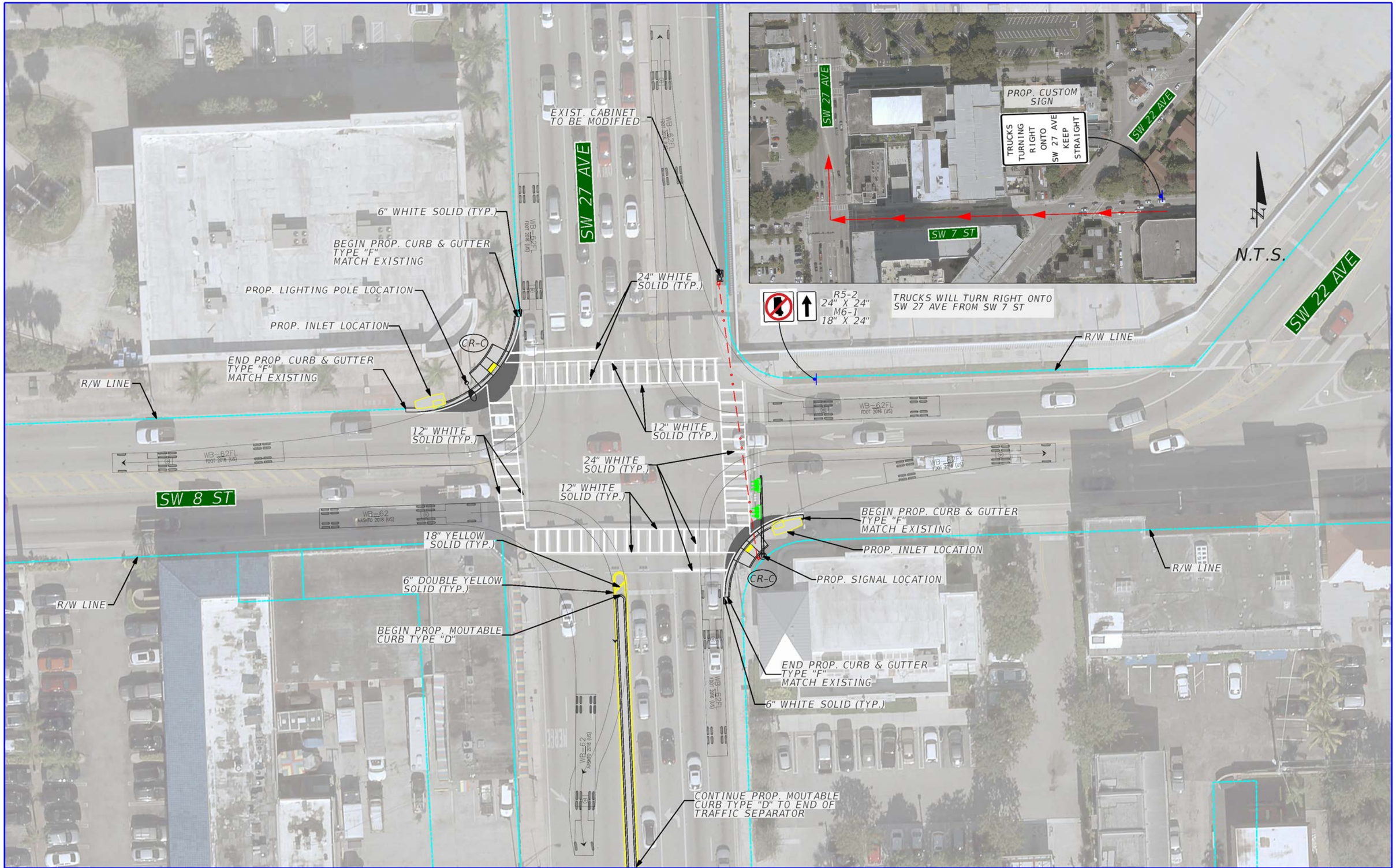
SB SW 27 AVE RIGHT TURN TO WB US-1
WB US-1 RIGHT TURN TO NB SW 27 AVE
NB SW 27 AVE RIGHT TURN TO EB US-1
EB US-1 RIGHT TURN TO SB SW 27 AVE

SHEET NO.

ASSET ID 2182

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2182 **- US-1 & SW 27 Av**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.036	$1,880.04
160 4	TYPE B STABILIZATION	SY	$1.41	35	$49.35
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	35	$965.65
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	4	$652.84
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	4	$787.72
0425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	1	$6,010.00
0425 1562	INLETS, DT BOT, TYPE F, >10'	EA	$8,600.00	1	$8,600.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	82	$4,223.82
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	59	$3,668.03
527 2	DETECTABLE WARNINGS	SF	$34.26	20	$685.20
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	216	$8,229.60
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	4	$5,636.80
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	2	$4,439.38
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	2	$2,621.82
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	2	$863.18
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	1	$486.59
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	296	$751.84
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	289	$1,534.59
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.016	$88.57
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.35	10	$3.50
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$3,856.14	1	$3,856.14
-	CONTINGENCY	15%	$8,926.74		$8,926.74
0101 1	MOBILIZATION	10%	$5,951.16		$5,951.16
0102 1	MOT	10%	$5,951.16		$5,951.16
			TOTAL		$80,340.70



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

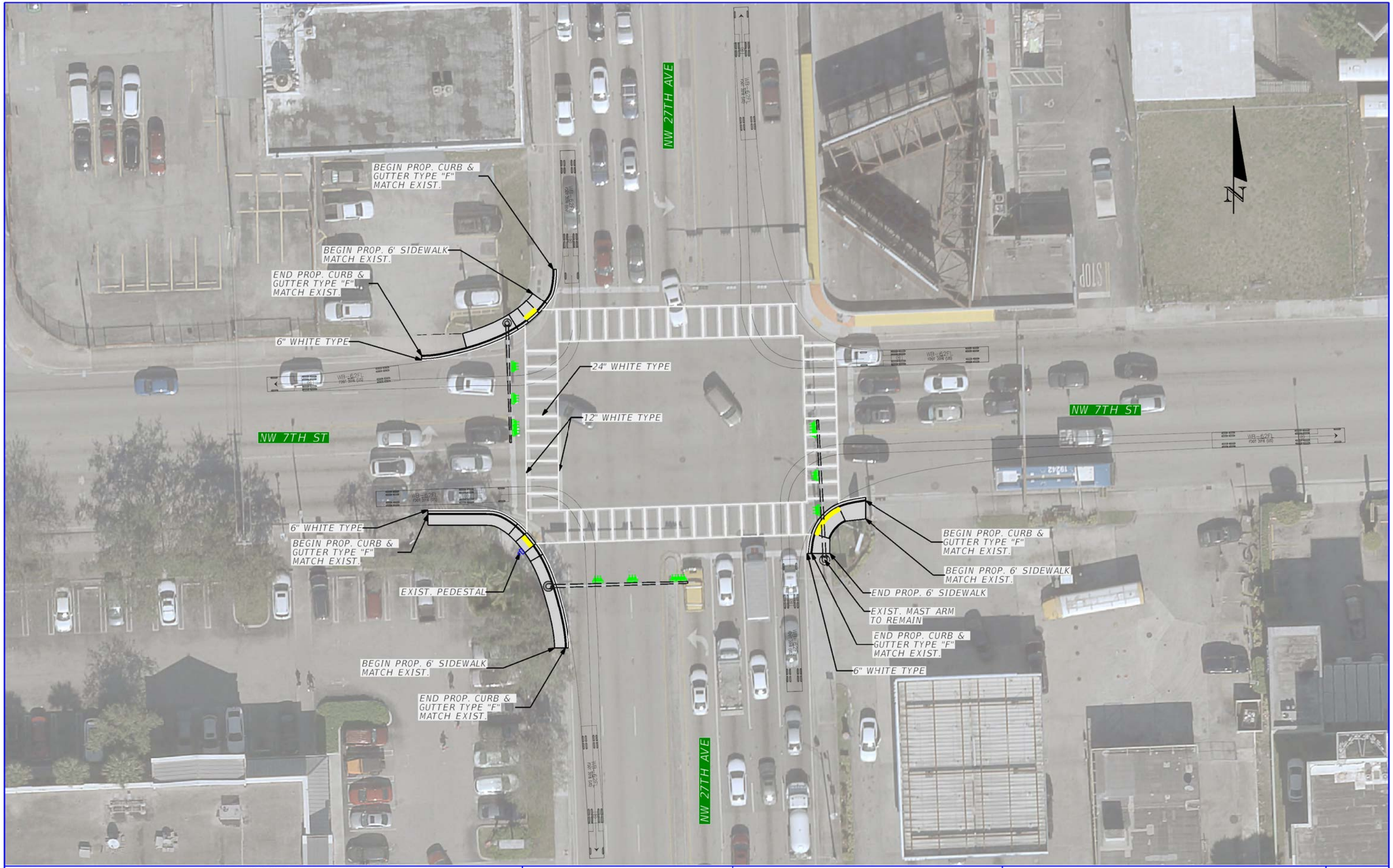
SB SW 27 AVE RIGHT TURN TO WB SW 8 ST
WB SW 8 ST RIGHT TURN TO NB SW 27 AVE
EB SW 8 ST RIGHT TURN TO SB SW 27 AVE
NB SW 27 AVE RIGHT TURN TO EB SW 8 ST

SHEET NO.

ASSET ID 2253

$USERS $DATES $TIMES $FILES

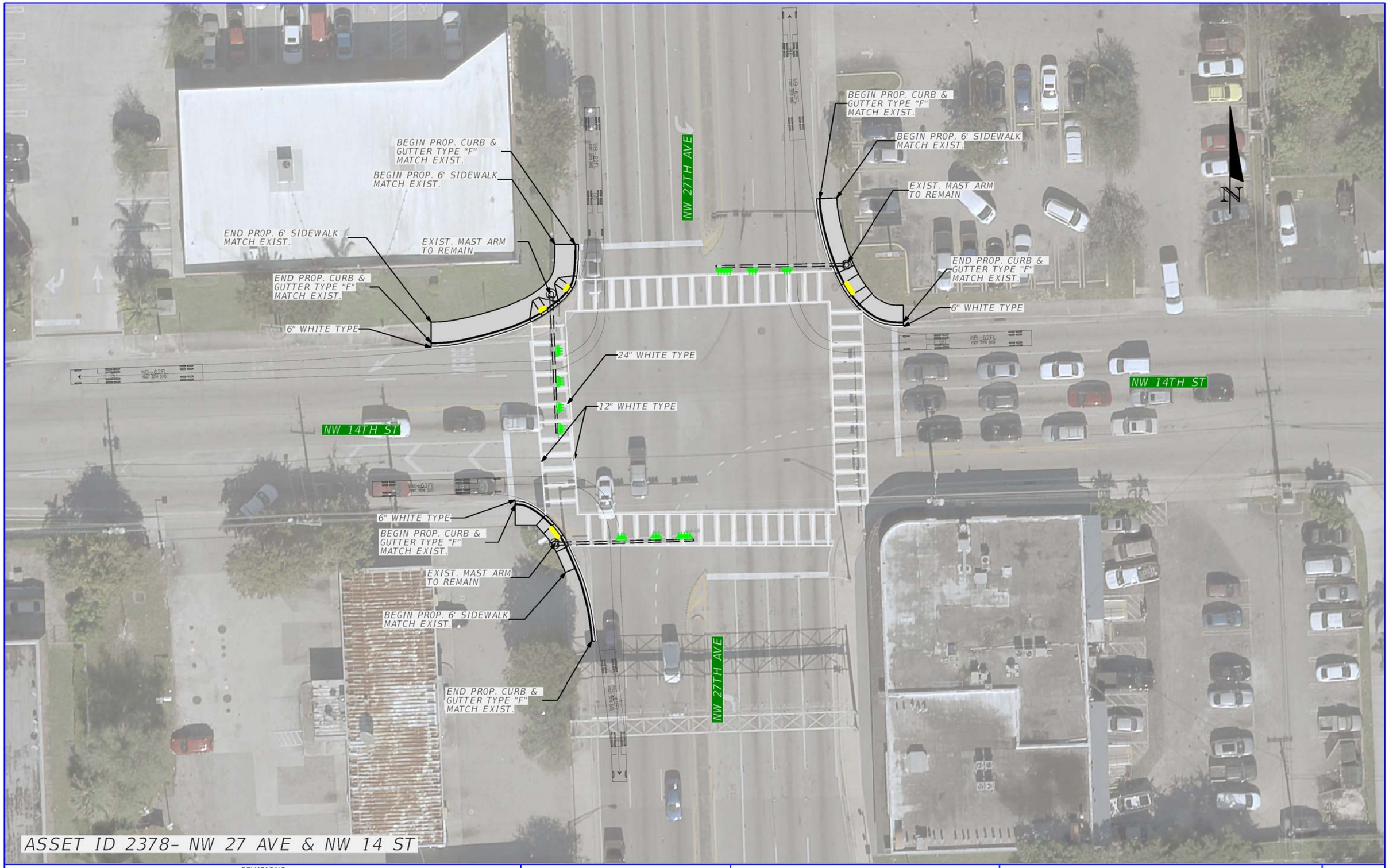
PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2253 **- SW 27 Av & SW 8 St**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.04	$2,088.93
160 4	TYPE B STABILIZATION	SY	$1.41	51	$71.91
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	51	$2,209.83
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	5	$804.15
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	5	$984.65
425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	2	$12,020.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	740	$27,986.80
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	58	$3,605.86
527 2	DETECTABLE WARNINGS	SF	$34.26	20	$685.20
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	120	$4,572.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	2	$2,818.40
649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	1	$67,972.67
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	2	$3,121.28
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	1	$486.59
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	610	$1,549.40
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	600	$3,186.00
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.019	$105.18
711 16 201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	$5,635.20	0.053	$298.67
711 11 224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.14	6	$24.84
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.35	5	$1.75
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$4,873.87	1	$4,873.87
-	CONTINGENCY	15%	$21,258.20		$21,258.20
0101 1	MOBILIZATION	10%	$14,172.13		$14,172.13
0102 1	MOT	10%	$14,172.13		$14,172.13
			TOTAL		$196,199.42



REVISIONS				STATE OF FLORIDA			NW 27 AVE & NW 7 ST ASSET ID 2333	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		ASSET ID 2333

$USER$ $DATE$ $TIME$ $MODELNAME$ $FILE$

TABULATION OF QUANTITIES - 2333 - NW 27 Av & NW 7 St					
PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	SUB-TOTAL
	ROADWAY				
110 1 1	CLEARING & GRUBBING	AC	0.1	$ 33,000.00	$ 3,300.00
110 4 10	REMOVAL OF EXISTING CONCRETE	SY	120	$ 30.00	$ 3,600.00
337 7 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	3.6	$ 175.00	$ 630.00
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	159	$ 80.00	$ 12,720.00
527 2	DETECTABLE WARNINGS	SF	70	$ 40.00	$ 2,800.00
520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	268	$ 40.00	$ 10,720.00
	SIGNING AND PAVEMENT MARKINGS				
711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	960	$ 3.00	$ 2,880.00
711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	540	$ 6.00	$ 3,240.00
711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.04	$ 5,700.00	$ 228.00
				SUB-TOTAL PROJECT	**$ 40,118.00**
				MAINTENANCE OF TRAFFIC (10%)	$ 4,011.80
				MOBILIZATION (10%)	$ 4,011.80
				CONTIGENCY(10%)	$ 4,011.80
				DESIGN(30%)	$ 12,035.40
				CEI (20%)	$ 8,023.60
				ESTIMATED CONSTRUCTION GRAND TOTAL	**$ 72,212.40**



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA

ROAD NO.	COUNTY	FINANCIAL PROJECT ID

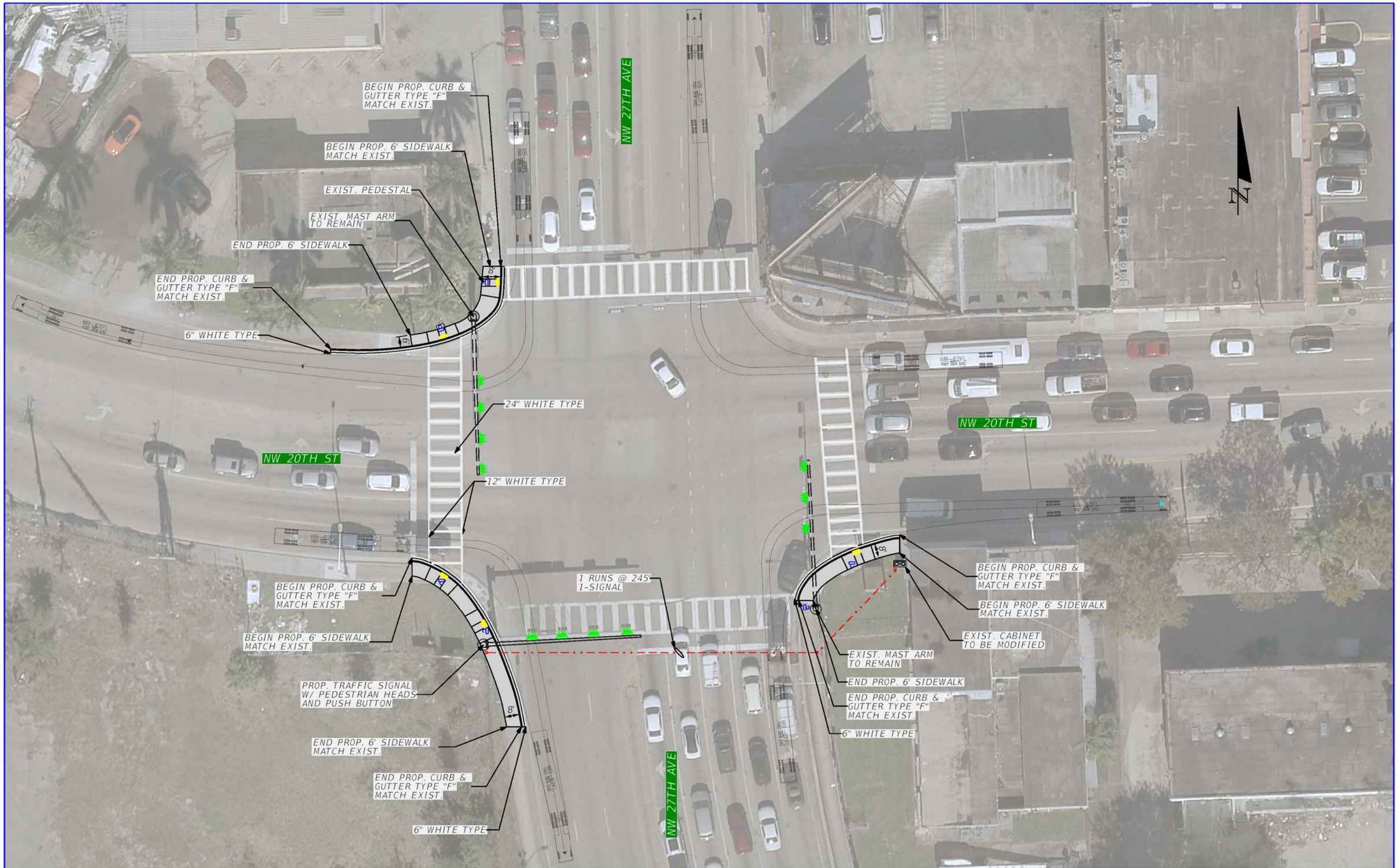
NW 27 AVE & NW 14 ST
ASSET ID 2378

SHEET NO.

ASSET ID 2378

$USER$ $DATE$ $TIME$ $MODELNAME$ $FILE$

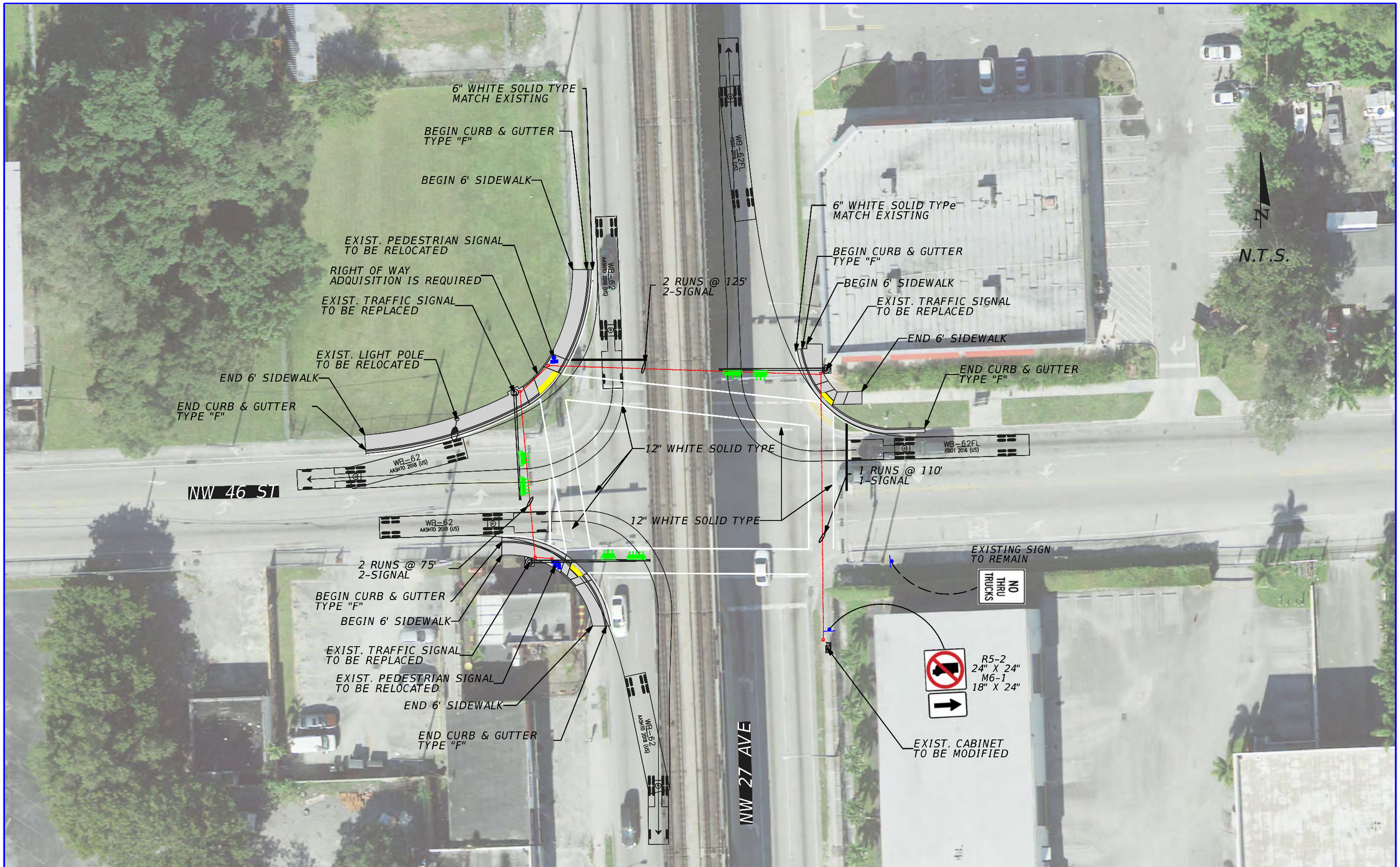
TABULATION OF QUANTITIES - 2378 - NW 27 Av & NW 14 St					
PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	SUB-TOTAL
	ROADWAY				
110 1 1	CLEARING & GRUBBING	AC	0.1	$ 33,000.00	$ 3,300.00
110 4 10	REMOVAL OF EXISTING CONCRETE	SY	148	$ 30.00	$ 4,440.00
337 7 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	4.46	$ 175.00	$ 780.50
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	256	$ 80.00	$ 20,480.00
527 2	DETECTABLE WARNINGS	SF	50	$ 40.00	$ 2,000.00
520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	296	$ 40.00	$ 11,840.00
	SIGNING AND PAVEMENT MARKINGS				
711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	1028	$ 3.00	$ 3,084.00
711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	565	$ 6.00	$ 3,390.00
711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.03	$ 5,700.00	$ 171.00
				SUB-TOTAL PROJECT	**$ 49,485.50**
				MAINTENANCE OF TRAFFIC (10%)	$ 4,948.55
				MOBILIZATION (10%)	$ 4,948.55
				CONTIGENCY(10%)	$ 4,948.55
				DESIGN(30%)	$ 14,845.65
				CEI (20%)	$ 9,897.10
				ESTIMATED CONSTRUCTION GRAND TOTAL	**$ 89,073.90**



REVISIONS					STATE OF FLORIDA			NW 27 AVE & NW 20 ST ASSET ID 2404	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		ASSET ID 2404

$USER$ $DATE$ $TIME$ $MODELNAME$ $FILE$

TABULATION OF QUANTITIES - 2404 - NW 27 Av & North River Dr & NW 20 St					
PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	SUB-TOTAL
	ROADWAY				
110 1 1	CLEARING & GRUBBING	AC	0.1	$ 33,000.00	$ 3,300.00
110 4 10	REMOVAL OF EXISTING CONCRETE	SY	147	$ 30.00	$ 4,410.00
337 7 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	4.46	$ 175.00	$ 780.50
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	200	$ 80.00	$ 16,000.00
527 2	DETECTABLE WARNINGS	SF	50	$ 40.00	$ 2,000.00
520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	380	$ 40.00	$ 15,200.00
	SIGNING AND PAVEMENT MARKINGS				
700 3202	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 12-20 SF	EA	1	$ 2,100.00	$ 2,100.00
711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	750	$ 3.00	$ 2,250.00
711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	450	$ 6.00	$ 2,700.00
711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.04	$ 5,700.00	$ 228.00
	SIGNALIZATION				
649 21 3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	1	$ 85,000.00	$ 85,000.00
630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	245	$ 18.00	$ 4,410.00
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	4	$ 24.00	$ 96.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	3	$ 900.00	$ 2,700.00
				SUB-TOTAL PROJECT	**$ 139,074.50**
				MAINTENANCE OF TRAFFIC (10%)	$ 13,907.45
				MOBILIZATION (10%)	$ 13,907.45
				CONTIGENCY(10%)	$ 13,907.45
				DESIGN(30%)	$ 41,722.35
				CEI (20%)	$ 27,814.90
				ESTIMATED CONSTRUCTION GRAND TOTAL	**$ 250,334.10**



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

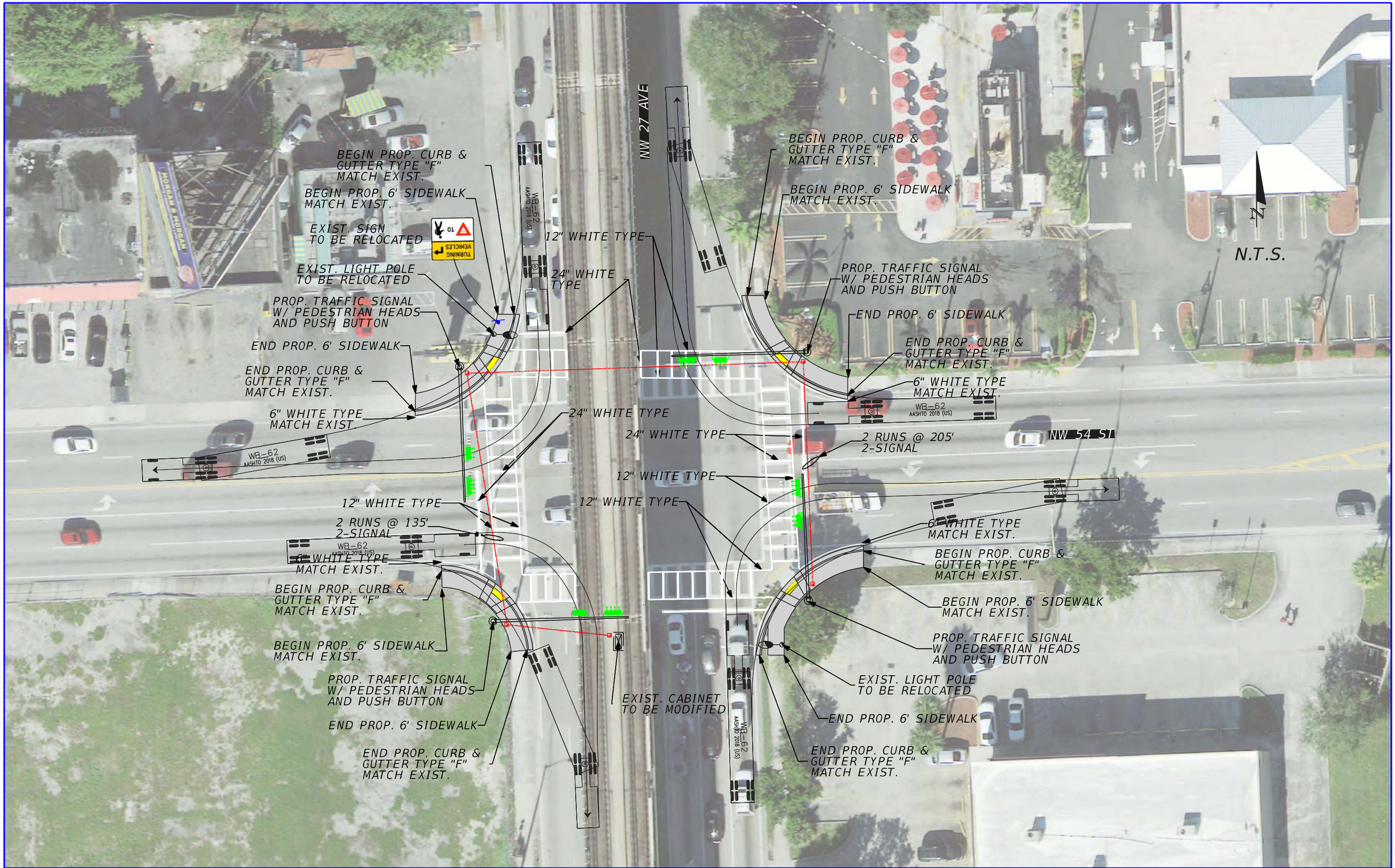
SB NW 27 AVE RIGHT TURN TO WB NW 46 ST
WB NW 46 ST RIGHT TURN TO NB NW 27 AVE

SHEET NO.

ASSET ID 2483

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2483 **- NW 27 Av & NW 46 St**					
0102 1	MAINTENANCE OF TRAFFIC	LS	$761.76	1	$761.76
0110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.029	$1,611.63
0160 4	TYPE B STABILIZATION	SY	$1.36	53	$72.08
0285706	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	53	$2,296.49
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	4	$643.32
0337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	4	$787.72
0520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	260	$9,851.40
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	138	$8,575.32
0527 2	DETECTABLE WARNINGS	SF	$34.26	45	$1,541.70
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.18	302	$11,530.36
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,410.59	4	$5,642.36
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	1	$2,219.69
0649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	2	$135,945.34
0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	2	$3,121.28
0650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	2	$3,838.36
0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
0653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	$1,948.49	1	$1,948.49
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	3	$1,464.63
0700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	2	$8,008.62
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	605	$1,790.80
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	85	$451.35
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.066	$375.66
0715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.58	12	$6.96
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$2,381.17	1	$2,381.17
-	CONTINGENCY	15%	$31,407.97		$31,407.97
0101 1	MOBILIZATION	10%	$20,938.65		$20,938.65
0102 1	MOT	10%	$20,938.65		$20,938.65
			TOTAL		$282,671.76



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

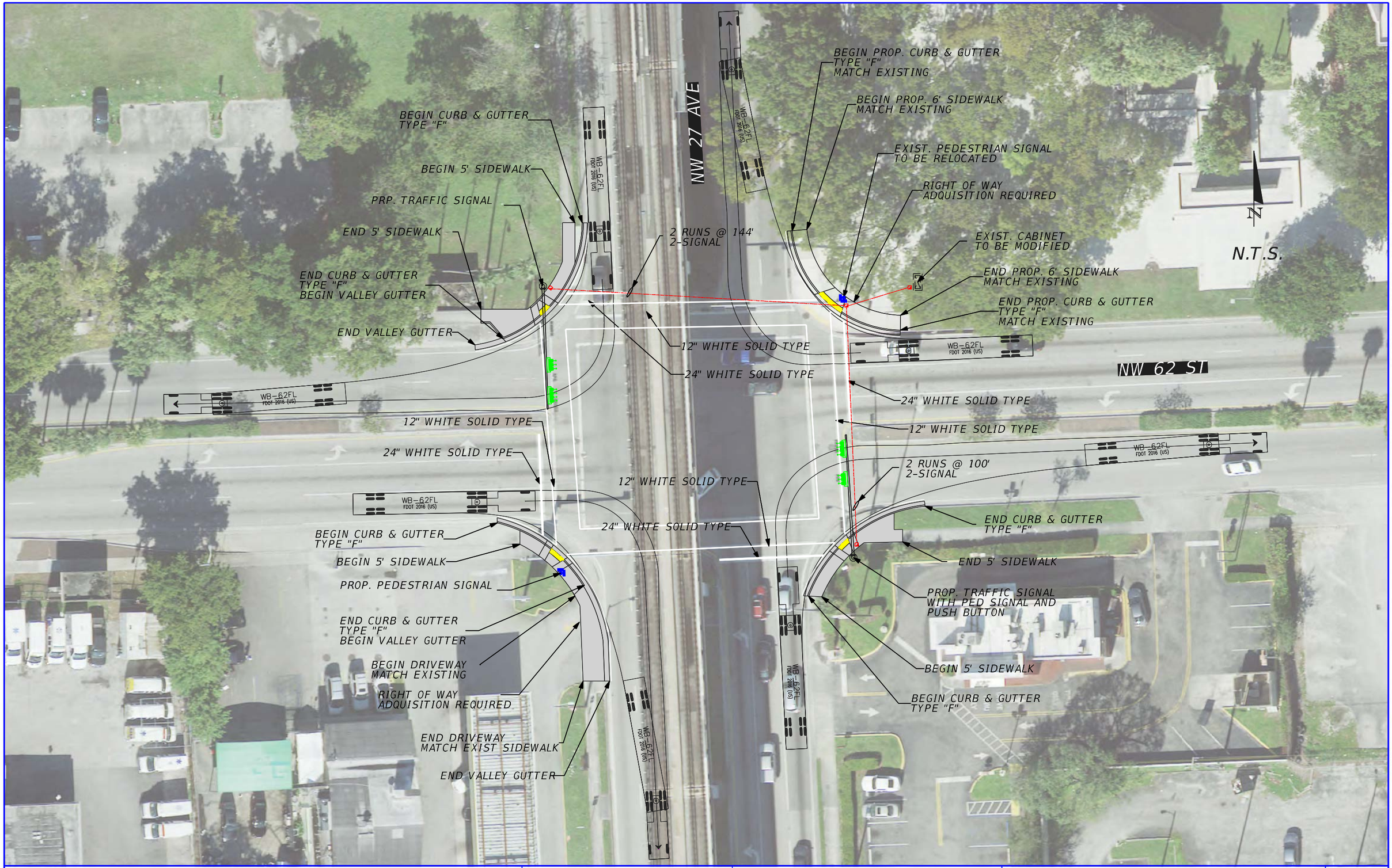
SB NW 27 AVE RIGHT TURN TO WB NW 54 ST
WB NW 54 ST RIGHT TURN TO NB NW 27 AVE
EB NW 54 ST RIGHT TURN TO SB NW 27 AVE
NB NW 27 AVE RIGHT TURN TO EB NW 54 ST

SHEET NO.

ASSET ID 2486

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2486 **- NW 27 Av & NW 54 St**					
0102 1	MAINTENANCE OF TRAFFIC	LS	$761.76	1	$761.76
0110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.107	$5,946.36
0160 4	TYPE B STABILIZATION	SY	$1.36	157	$213.52
0285706	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	157	$6,802.81
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	5	$804.15
0337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	5	$984.65
0425 1201	INLETS, CURB, TYPE P-5, >10'	EA	$7,050.07	1	$7,050.07
0520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	190	$7,199.10
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	180	$11,185.20
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	$78.71	17	$1,338.07
0527 2	DETECTABLE WARNINGS	SF	$34.26	40	$1,370.40
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.18	345	$13,172.10
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,410.59	5	$7,052.95
0649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	3	$203,918.01
0649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	$90,011.94	1	$90,011.94
0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	4	$6,242.56
0650 1 16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	$1,824.40	4	$7,297.60
0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	4	$5,243.64
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	4	$1,726.36
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	1	$488.21
0700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	4	$16,017.24
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	593	$1,755.28
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	733	$3,892.23
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.047	$267.34
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$4.00	92	$368.00
0715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.58	21	$12.18
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$2,381.17	3	$7,143.51
-	CONTINGENCY	15%	$61,477.41		$61,477.41
0101 1	MOBILIZATION	10%	$40,984.94		$40,984.94
0102 1	MOT	10%	$40,984.94		$40,984.94
			TOTAL		$554,058.44



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

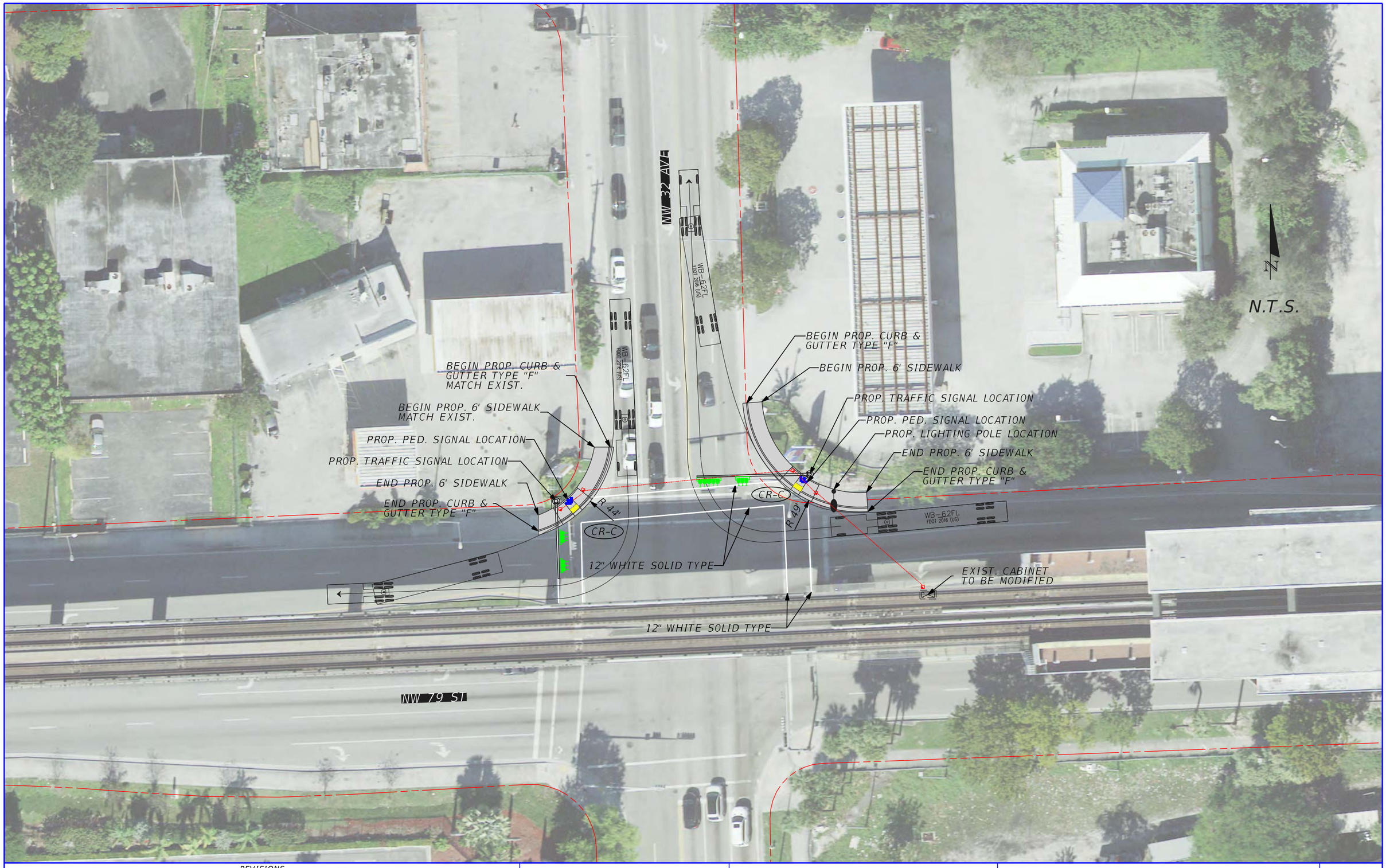
SB RIGHT TURN TO WB NW 62 ST
WB RIGHT TURN TO NB NW 27 AVE
EB RIGHT TURN TO SB NW 27 AVE
NB RIGHT TURN TO WB NW 62 ST

SHEET NO.

ASSET ID 2489

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2489 **- NW 27 Av & NW 62 St**					
0102 1	MAINTENANCE OF TRAFFIC	LS	$761.76	1	$761.76
0110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.081	$4,501.45
0160 4	TYPE B STABILIZATION	SY	$1.36	145	$197.20
0285706	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	145	$6,282.85
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	10	$1,608.30
0337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	10	$1,969.30
0425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	1	$6,010.00
0520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	240	$9,093.60
0520 3	VALLEY GUTTER- CONCRETE	LF	$17.00	15	$255.00
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	216	$13,422.24
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	$78.71	29	$2,282.59
0527 2	DETECTABLE WARNINGS	SF	$34.26	40	$1,370.40
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.18	250	$9,545.00
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,410.59	4	$5,642.36
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	4	$8,878.76
0649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	2	$135,945.34
0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	2	$3,121.28
0650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	2	$3,838.36
0653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	$1,948.49	4	$7,793.96
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	2	$863.18
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
0700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	2	$8,008.62
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	770	$2,279.20
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	154	$817.74
-	CONTINGENCY	15%	$35,525.16		$35,525.16
0101 1	MOBILIZATION	10%	$23,683.44		$23,683.44
0102 1	MOT	10%	$23,683.44		$23,683.44
			TOTAL		$319,726.44



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

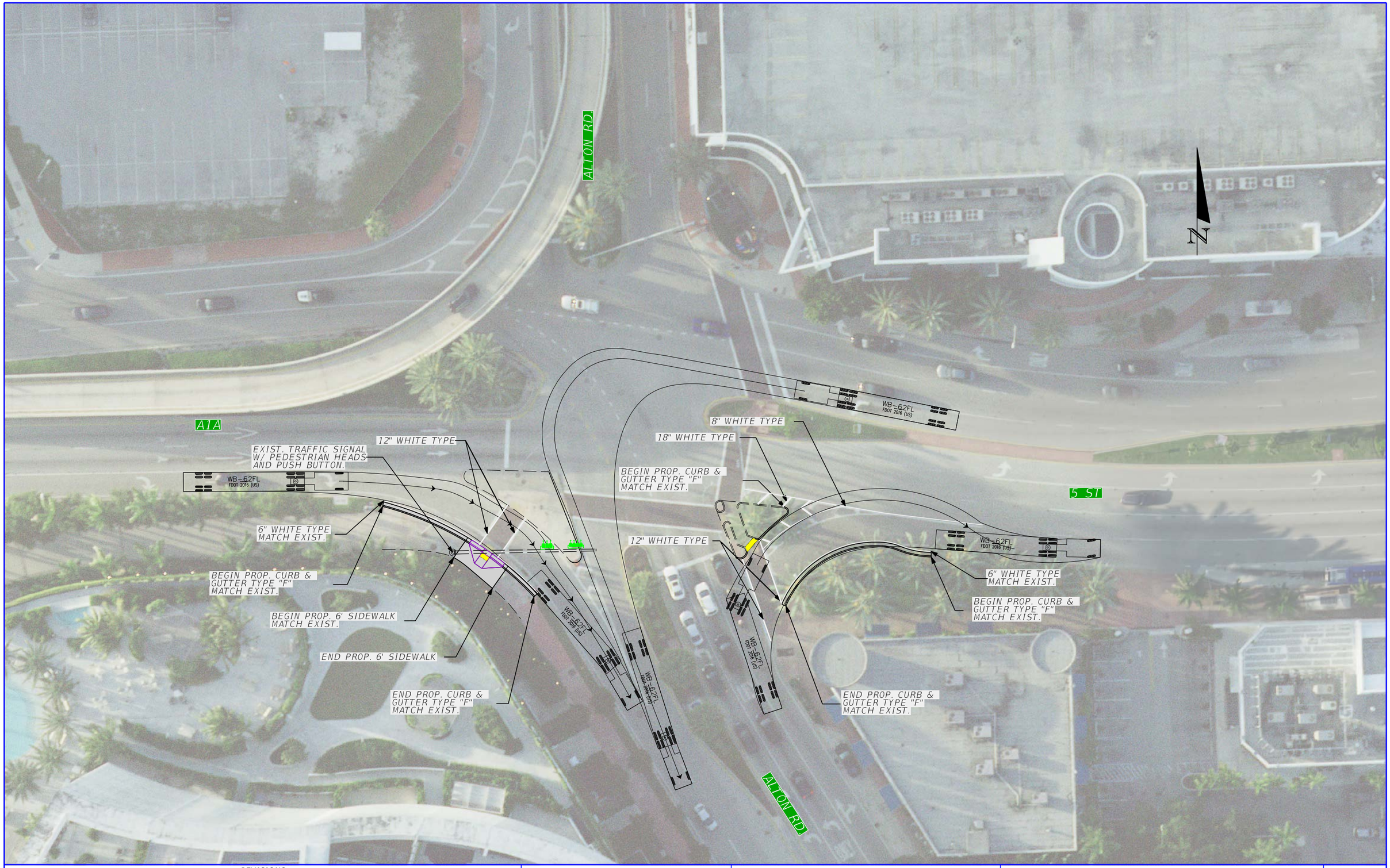
SB NW 32 AVE RIGHT TURN TO WB NW 79 ST
WB NW 79 ST RIGHT TURN TO NB NW 32 AVE

SHEET NO.

ASSET ID 2500

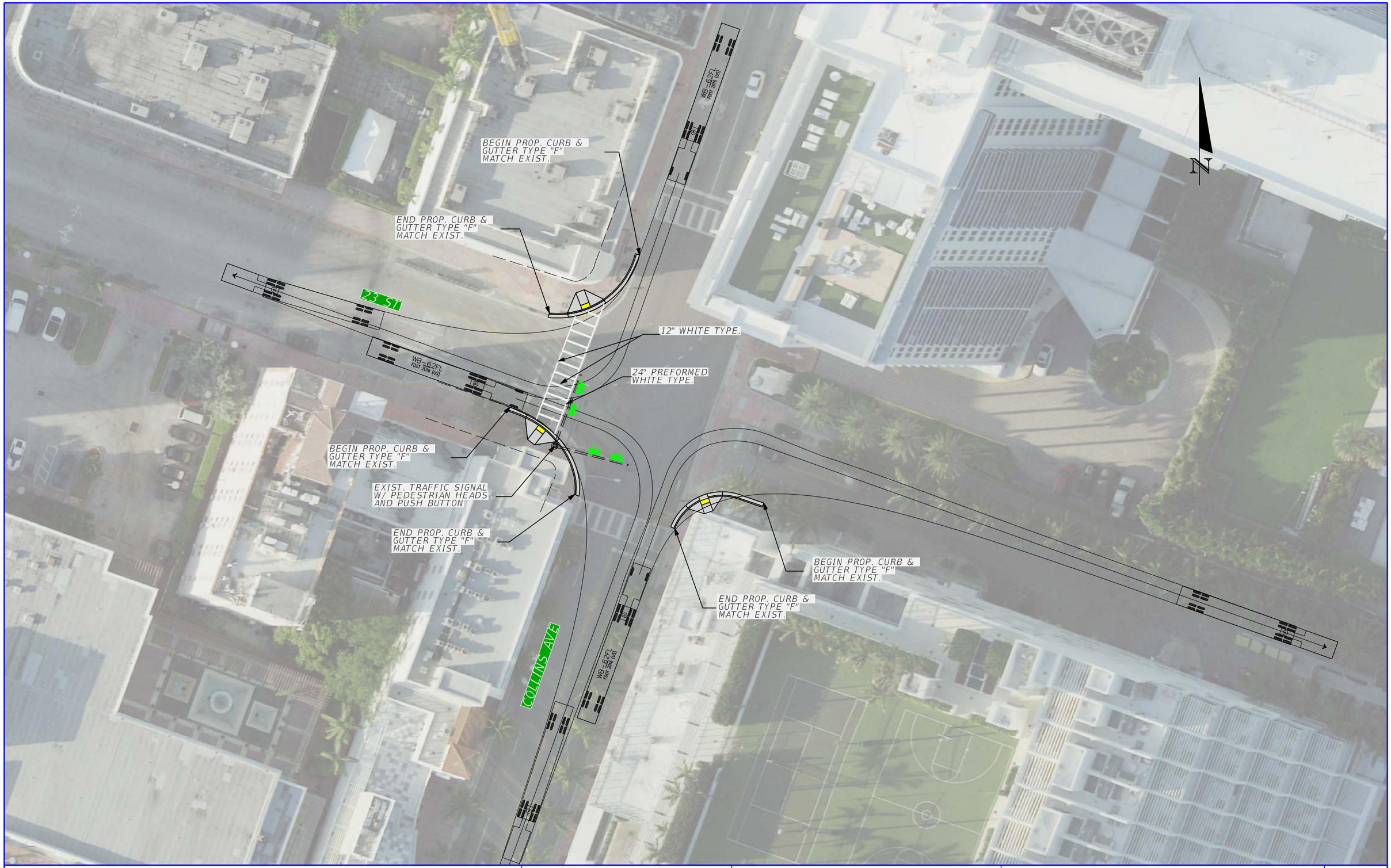
$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2500 **- NW 79 St & NW 32 Av**					
0102 1	MAINTENANCE OF TRAFFIC	LS	$761.76	1	$761.76
0110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.032	$1,778.35
0160 4	TYPE B STABILIZATION	SY	$1.36	49	$66.64
0285706	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	49	$2,123.17
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	2.7	$434.24
0337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	2.7	$531.71
0520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	123	$4,660.47
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	85	$5,281.90
0527 2	DETECTABLE WARNINGS	SF	$34.26	15	$513.90
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.18	170	$6,490.60
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,410.59	5	$7,052.95
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	2	$4,439.38
0649 21 3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	$69,241.62	1	$69,241.62
0649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	1	$67,972.67
0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	3	$4,681.92
0650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	1	$1,919.18
0653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	$1,948.49	2	$3,896.98
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	2	$863.18
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	1	$488.21
0700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	2	$8,008.62
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	301	$890.96
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	74	$392.94
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.024	$136.60
0715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.58	30	$17.40
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$2,381.17	1	$2,381.17
-	CONTINGENCY	15%	$29,605.87		$29,605.87
0101 1	MOBILIZATION	10%	$19,737.24		$19,737.24
0102 1	MOT	10%	$19,737.24		$19,737.24
			TOTAL		$266,452.79



REVISIONS					STATE OF FLORIDA			ALTON RD & 5 ST ASSET ID 2640	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		Asset ID 2640

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2640 **- Alton Rd & 5 St**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.143	$7,467.92
0110 21	TREE PROTECTION BARRIER	LF	$5.66	75	$424.50
160 4	TYPE B STABILIZATION	SY	$1.41	25	$35.25
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	25	$1,083.25
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	2.5	$402.08
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	2.5	$492.33
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	47	$1,780.83
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	26	$1,615.64
0523 3	PATTERNED PAVEMENT	SY	$201.69	40	$8,067.60
527 2	DETECTABLE WARNINGS	SF	$78.71	12	$944.52
0581 1 7	RELOCATE TREES AND PALMS,PALMS, <14' OF CLEAR TRUNK, SABAL PALM ONLY	EA	$3,500.00	3	$10,500.00
711 11102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM	$7,880.69	0.030	$238.78
711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$4.01	24	$96.24
711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	33	$175.23
711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	118	$299.72
711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.030	$167.73
-	CONTINGENCY	15%	$5,185.56		$5,185.56
0101 1	MOBILIZATION	10%	$3,457.04		$3,457.04
0102 1	MOT	10%	$3,457.04		$3,457.04
			TOTAL		$46,670.01



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA

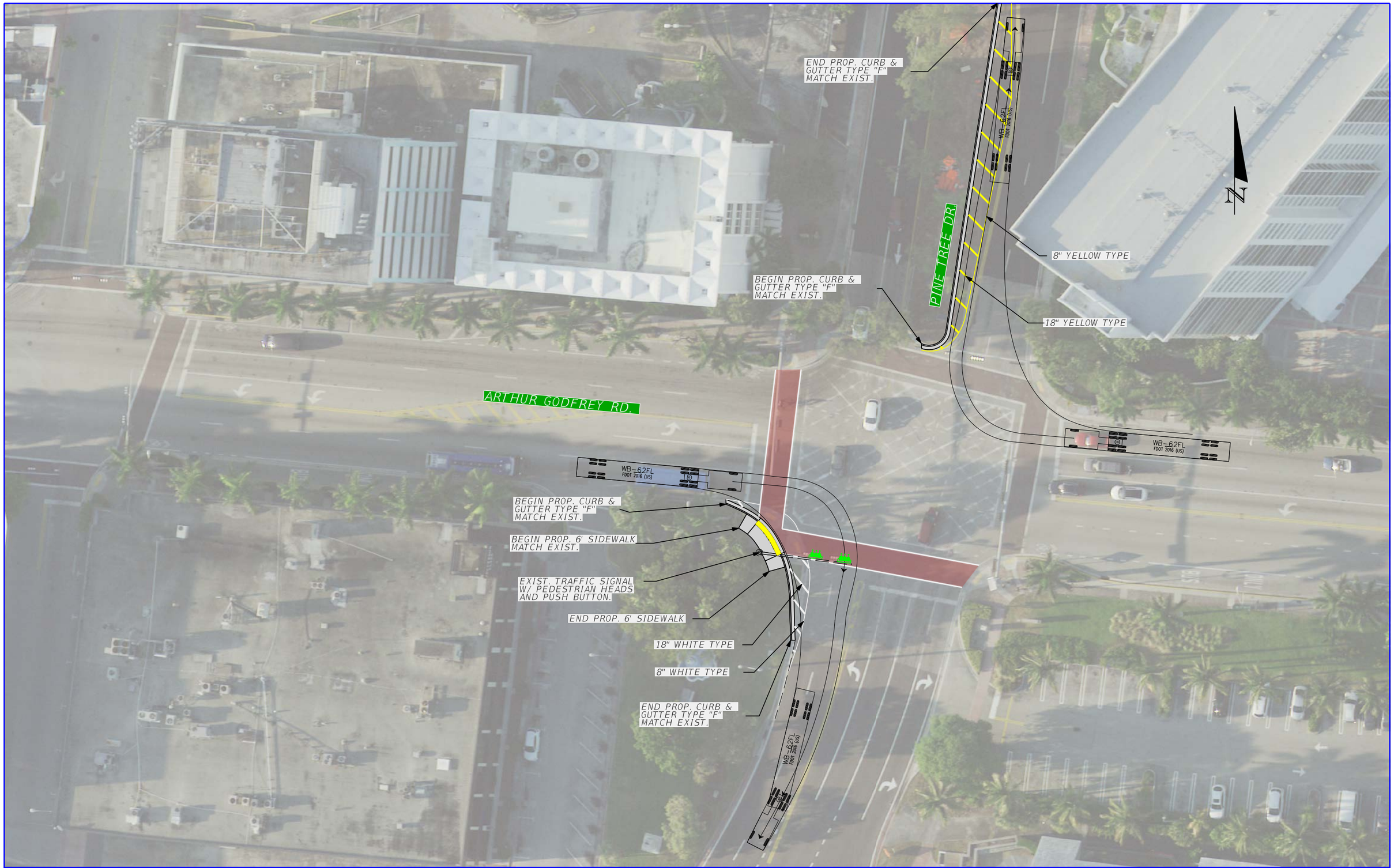
ROAD NO.	COUNTY	FINANCIAL PROJECT ID

COLLINS AVE & 23 ST
ASSET ID 2670

SHEET NO.

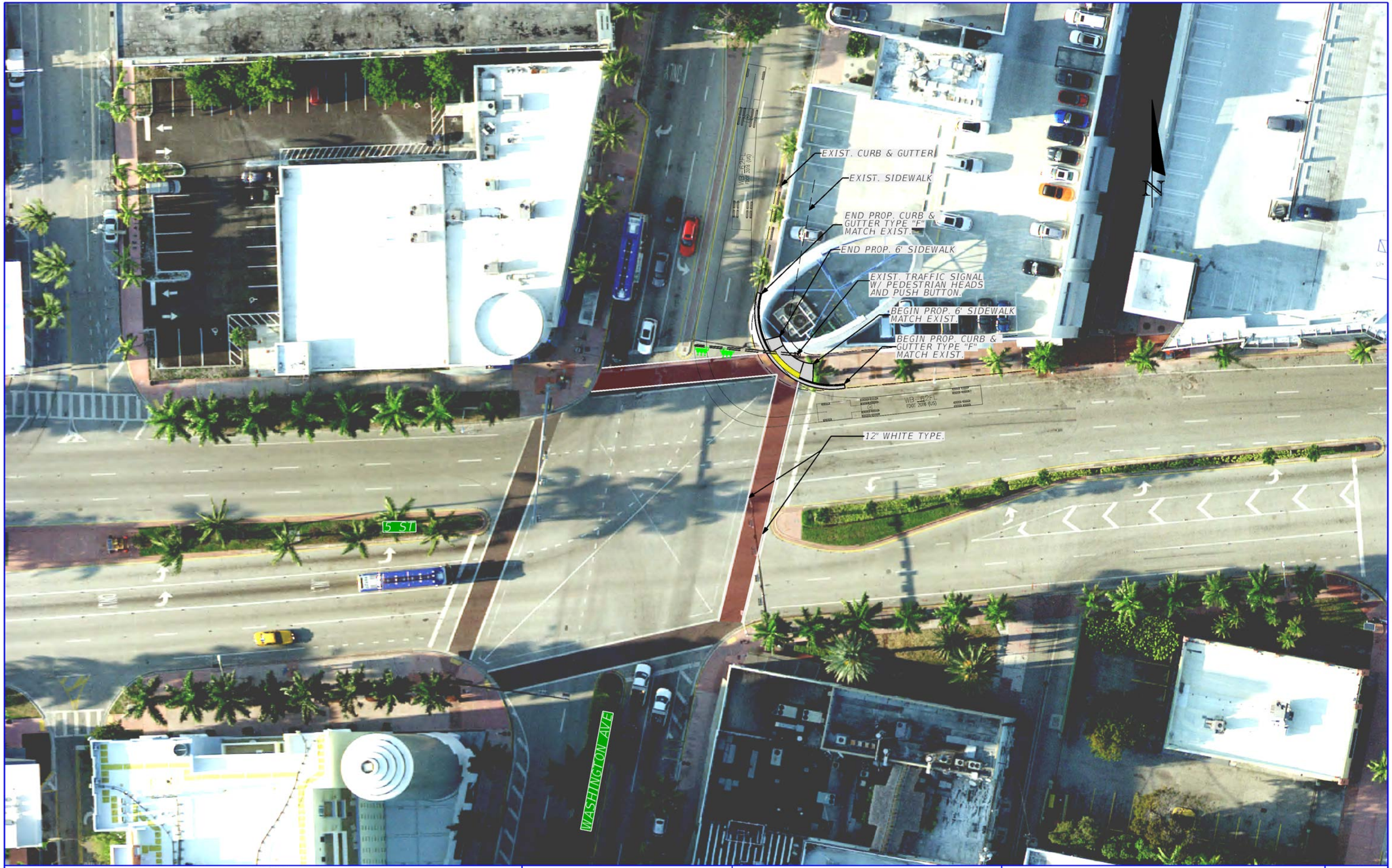
Asset ID 2670

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2670 **- Collins Av & 23 St**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.03	$1,566.70
160 4	TYPE B STABILIZATION	SY	$1.41	30	$42.30
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	30	$1,299.90
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	2	$321.66
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	2	$393.86
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	105	$3,971.10
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	115	$7,149.55
527 2	DETECTABLE WARNINGS	SF	$78.84	20	$1,576.80
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	1	$488.21
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	112	$284.48
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	110	$584.10
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.023	$127.32
-	CONTINGENCY	15%	$2,787.71		$2,787.71
0101 1	MOBILIZATION	10%	$1,858.47		$1,858.47
0102 1	MOT	10%	$1,858.47		$1,858.47
			TOTAL		$25,089.39



REVISIONS					STATE OF FLORIDA			W 41 ST & PINE TREE DR ASSET ID 2771	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		Asset ID 2771

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2771 **- Art Godfrey Rd & Pine Tree Dr**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.143	$7,467.92
0110 21	TREE PROTECTION BARRIER	LF	$5.66	90	$509.40
160 4	TYPE B STABILIZATION	SY	$1.41	50	$70.50
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	50	$2,166.50
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	5	$804.15
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	5	$984.65
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	225	$8,525.25
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	23	$1,429.22
0523 3	PATTERNED PAVEMENT	SY	$201.69	45	$9,076.05
527 2	DETECTABLE WARNINGS	SF	$78.71	35	$2,754.85
0581 1 7	RELOCATE TREES AND PALMS,PALMS, <14' OF CLEAR TRUNK, SABAL PALM ONLY	EA	$3,500.00	1	$3,500.00
711 11102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM	$7,880.69	0.030	$238.78
711 16202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM	$7,714.85	0.034	$265.93
711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$4.01	37	$148.37
711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.14	122	$505.08
711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	307	$779.78
711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.030	$167.73
-	CONTINGENCY	15%	$6,025.94		$6,025.94
0101 1	MOBILIZATION	10%	$4,017.29		$4,017.29
0102 1	MOT	10%	$4,017.29		$4,017.29
			TOTAL		$54,233.45



REVISIONS						
DATE	DESCRIPTION	DATE	DESCRIPTION	STATE OF FLORIDA		
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID

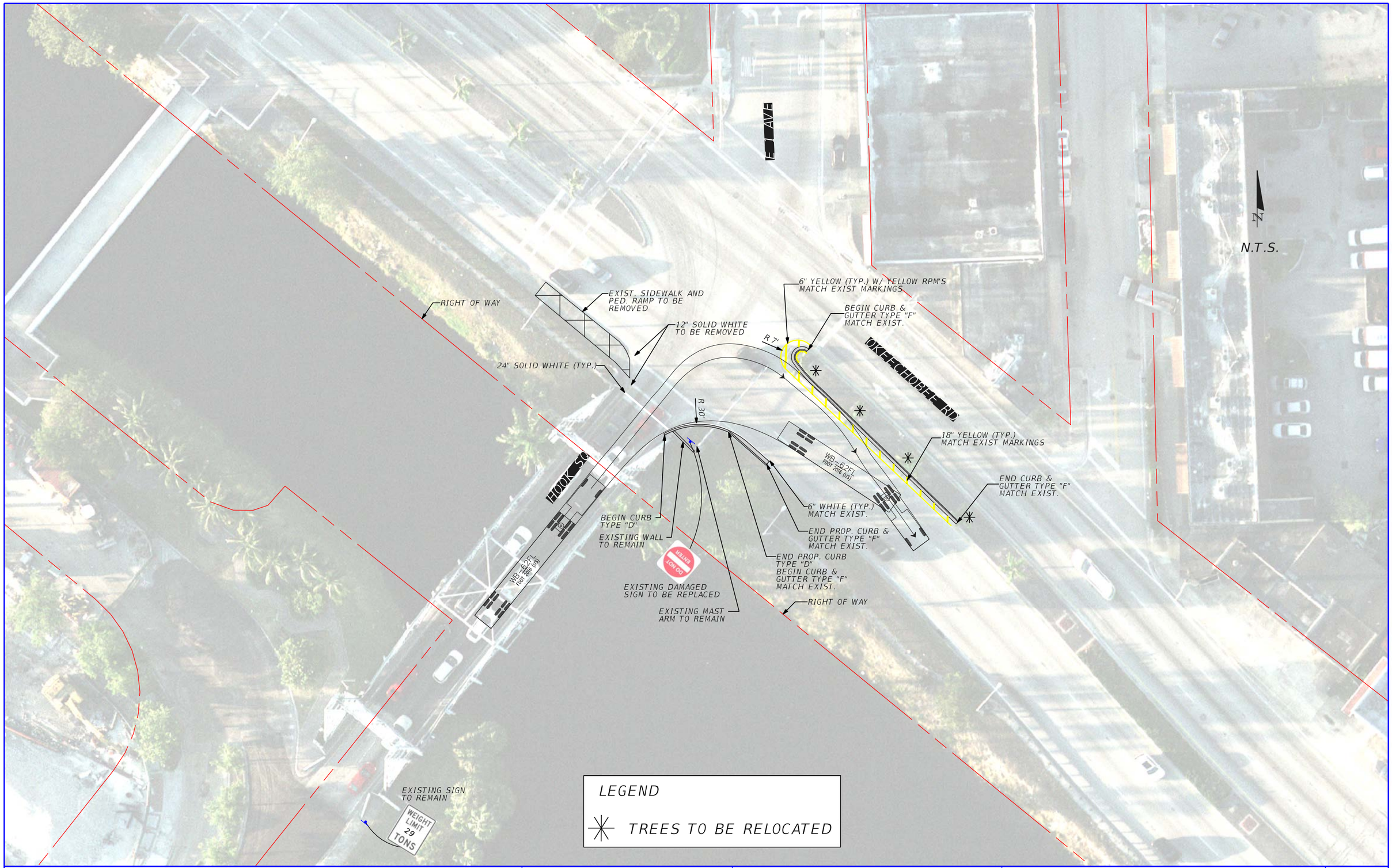
5 ST & WASHINGTON AVE
ASSET ID 2794

SHEET NO.

ASSET ID 2794

$USER$ $DATE$ $T!ME$ $MODELNAME$ $FILE$

TABULATION OF QUANTITIES - 2794 - 5 St & Washington Av					
PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	SUB-TOTAL
	ROADWAY				
110 1 1	CLEARING & GRUBBING	AC	0.1	$ 33,000.00	$ 3,300.00
110 4 10	REMOVAL OF EXISTING CONCRETE	SY	22	$ 30.00	$ 660.00
337 7 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	0.67	$ 175.00	$ 117.25
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	18	$ 80.00	$ 1,440.00
527 2	DETECTABLE WARNINGS	SF	32	$ 40.00	$ 1,280.00
520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	70	$ 40.00	$ 2,800.00
	SIGNING AND PAVEMENT MARKINGS				
700 3202	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 12-20 SF	EA	1	$ 2,100.00	$ 2,100.00
711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	378	$ 3.00	$ 1,134.00
711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.01	$ 5,700.00	$ 57.00
				SUB-TOTAL PROJECT	**$ 12,888.25**
				MAINTENANCE OF TRAFFIC (10%)	$ 1,288.83
				MOBILIZATION (10%)	$ 1,288.83
				CONTIGENCY(10%)	$ 1,288.83
				DESIGN(30%)	$ 3,866.48
				CEI (20%)	$ 2,577.65
				ESTIMATED CONSTRUCTION GRAND TOTAL	**$ 23,198.85**



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

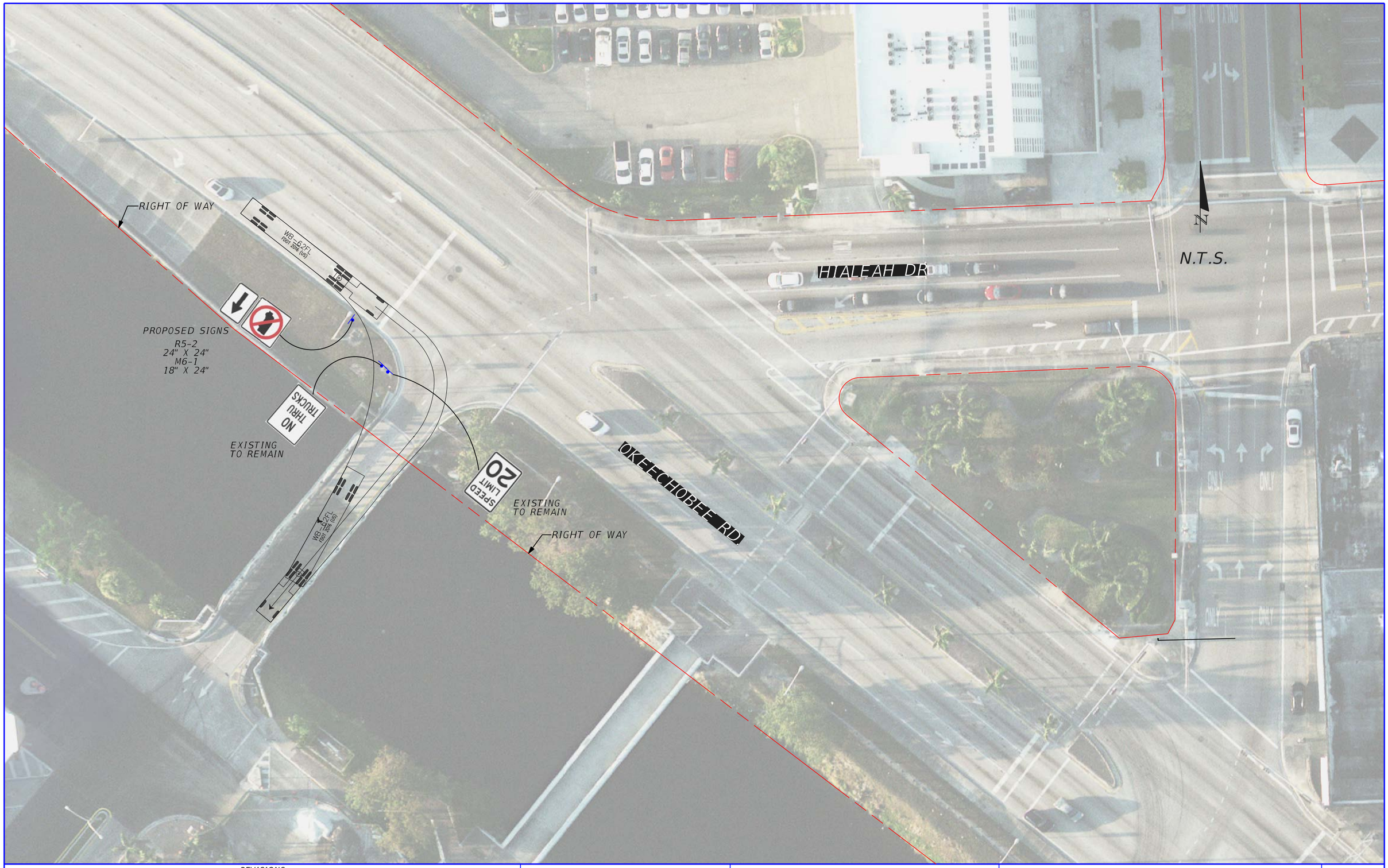
NB E 1 AVE RIGHT TURN TO EB OKEECHOBEE RD.

SHEET NO.

ASSET ID 2845

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2845 **- Okeechobee Rd & E 1 Av**					
0110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.018	$1,000.32
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	$33.91	38	$1,288.58
0160 4	TYPE B STABILIZATION	SY	$1.36	47	$63.92
0285706	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	47	$2,036.51
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	5	$804.15
0337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	5	$984.65
0520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	122	$4,622.58
0520 2 4	CONCRETE CURB, TYPE D	LF	$31.25	28	$875.00
0581 1 1	RELOCATE TREES AND PALMS, PALM, <14' OF CLEAR TRUNK	EA	$1,545.71	3	$4,637.13
0700 3101	SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF	AS	$470.77	1	$470.77
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	24	$127.44
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$4.02	150	$603.00
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.011	$62.61
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	$5,589.53	0.022	$122.97
0711 17 1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	SF	$1.91	60	$114.60
-	CONTINGENCY	15%	$2,672.13		$2,672.13
0101 1	MOBILIZATION	10%	$1,781.42		$1,781.42
0102 1	MOT	10%	$1,781.42		$1,781.42
			TOTAL		$24,049.21



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

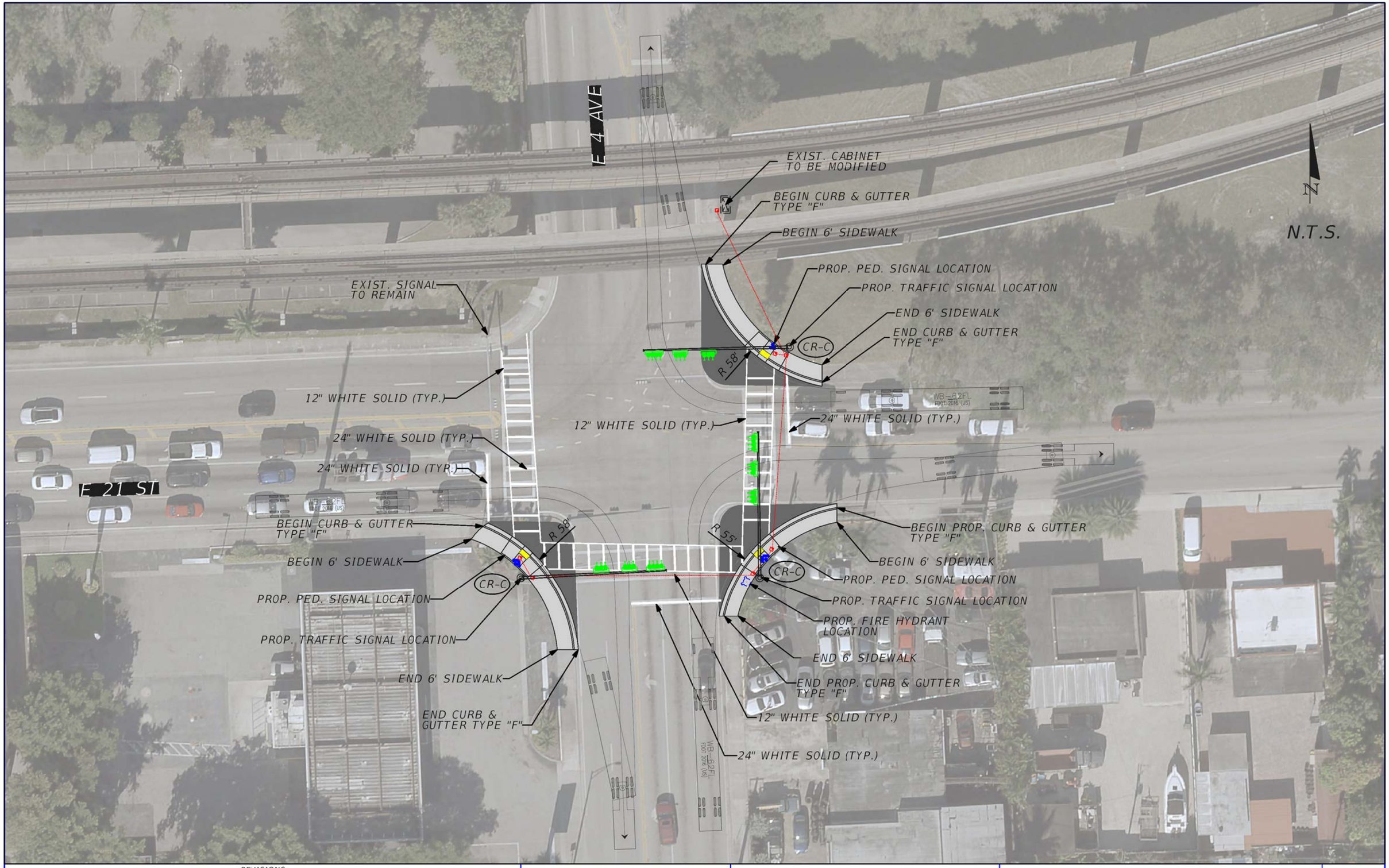
EB OKEECHOBEE RD. RIGTH TURN TO SB HIALEAH DR.

SHEET NO.

ASSET ID 2847

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2847 **- Okeechobee Rd & Hialeah Dr**					
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	1	$488.21
-	CONTINGENCY	15%	$73.23		$73.23
0101 1	MOBILIZATION	10%	$48.82		$48.82
0102 1	MOT	10%	$48.82		$48.82
			TOTAL		$659.08



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

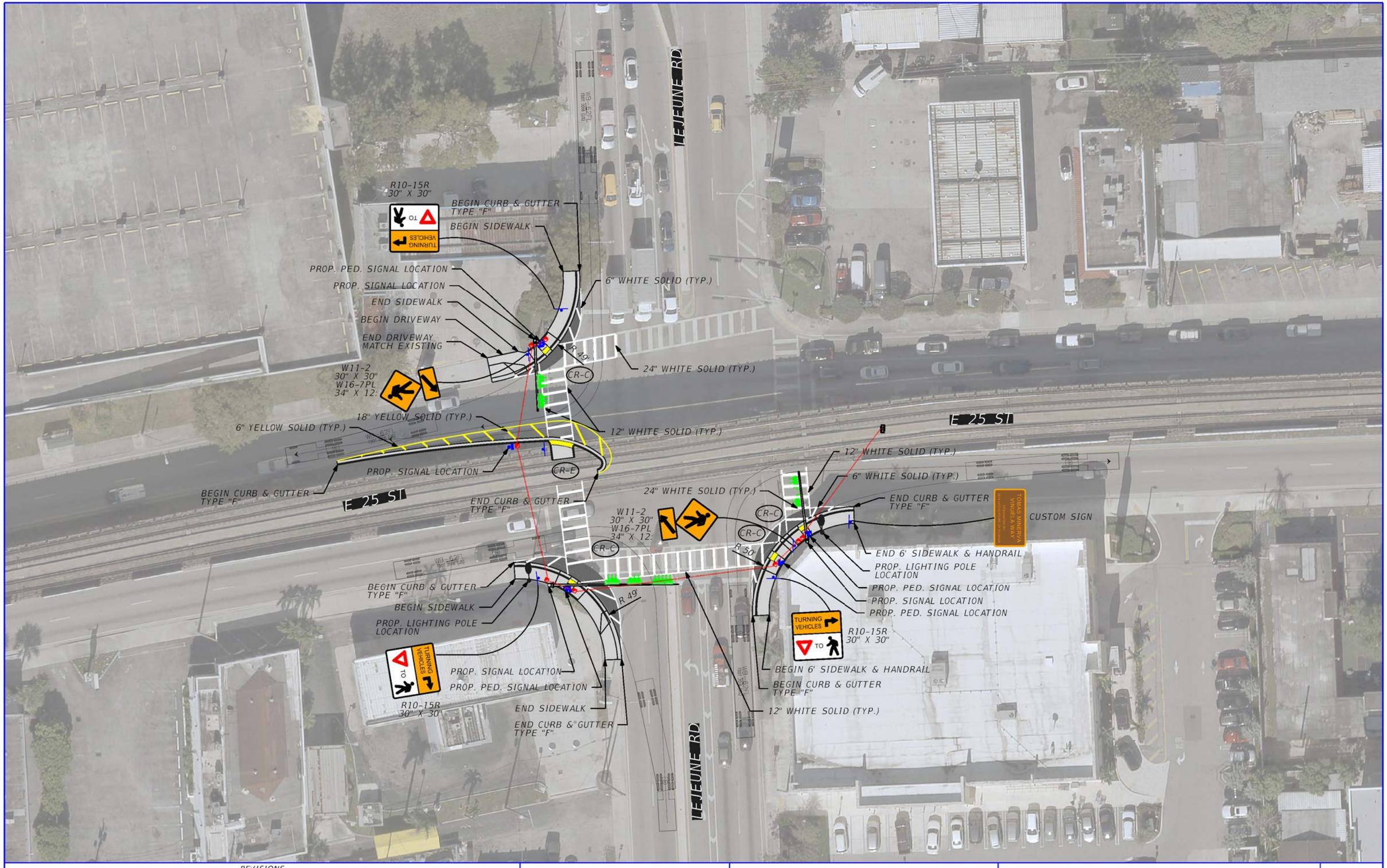
WB E 21 ST RIGHT TURN TO SB E 4 AVE
EB E 21 ST RIGHT TURN TO NB E 4 AVE
NB E 4 AVE RIGHT TURN TO WB E 21 ST

SHEET NO.

ASSET ID 2866

$USERS $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2866 **- E 21 St & E 4 Av**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.069	$3,603.40
160 4	TYPE B STABILIZATION	SY	$1.41	176	$248.16
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	176	$7,626.08
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	10	$1,608.30
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	176	$34,659.68
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	193	$7,299.26
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	157	$9,760.69
527 2	DETECTABLE WARNINGS	SF	$34.26	28	$959.28
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	3	$6,659.07
649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	$90,011.94	3	$270,035.82
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	5	$7,803.20
650 1 16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	$1,824.40	1	$1,824.40
650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	1	$1,919.18
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	$1,948.49	2	$3,896.98
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	2	$863.18
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	3	$12,012.93
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	440	$1,117.60
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	400	$2,124.00
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.076	$420.71
-	CONTINGENCY	15%	$56,884.47		$56,884.47
0101 1	MOBILIZATION	10%	$37,922.98		$37,922.98
0102 1	MOT	10%	$37,922.98		$37,922.98
			TOTAL		$511,960.23



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

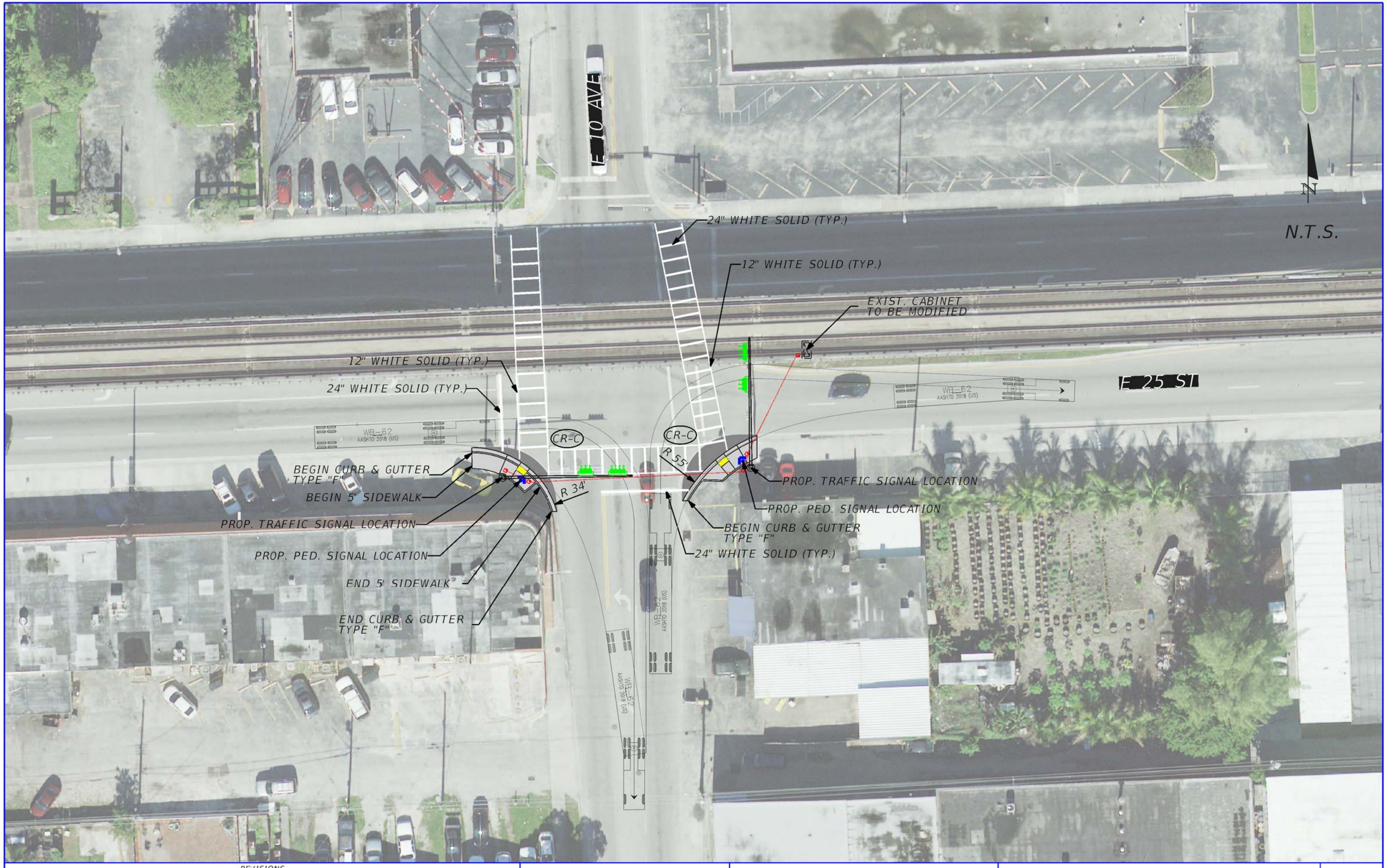
SB LEJEUNE RD RIGHT TURN TO EB E 25 ST
EB E 25 ST RIGHT TURN TO SB LEJEUNE RD
NB LEJEUNE RD RIGHT TURN TO EB E 25 ST

SHEET NO.

ASSET ID 2869

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2869 **- E 25 St & LeJeune Rd**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.06	$3,133.39
160 4	TYPE B STABILIZATION	SY	$1.41	95	$133.95
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	95	$4,116.35
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	6	$964.98
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	95	$18,708.35
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	339	$12,820.98
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	146	$9,076.82
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	$78.84	21	$1,655.64
527 2	DETECTABLE WARNINGS	SF	$34.26	53	$1,815.78
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	300	$11,430.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	8	$11,273.60
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	3	$6,659.07
649 21 3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	$69,241.62	2	$138,483.24
649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	$90,011.94	1	$90,011.94
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	7	$10,924.48
650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	1	$1,919.18
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	$1,948.49	2	$3,896.98
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	3	$1,294.77
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	5	$2,432.95
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	3	$12,012.93
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	440	$1,117.60
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	400	$2,124.00
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.034	$188.21
711 16 201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	$5,635.20	0.029	$163.42
711 11 224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.14	64	$264.96
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.35	30	$10.50
715 68000	LIGHT POLE COMPLETE, RELOCATE	EA	$4,873.87	2	$9,747.74
-	CONTINGENCY	15%	$54,122.61		$54,122.61
0101 1	MOBILIZATION	10%	$36,081.74		$36,081.74
0102 1	MOT	10%	$36,081.74		$36,081.74
			TOTAL		$487,103.49



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

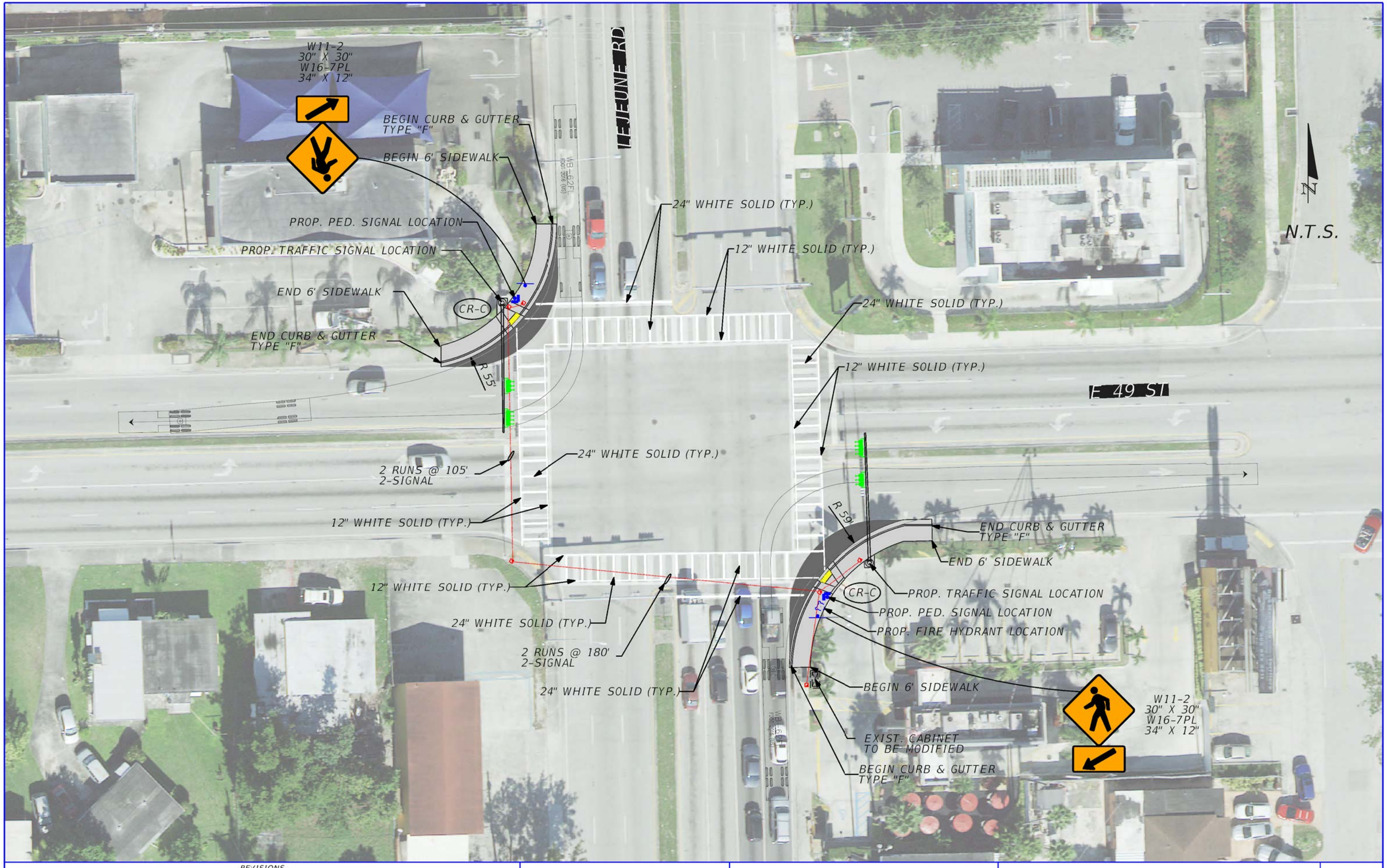
EB E 25 ST RIGHT TURN TO SB E 10 AVE
NB E 10 AVE RIGHT TURN TO EB E 25 ST

SHEET NO.

ASSET ID 2870

$USERS $DATES $TIMES $FILES

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2870 **- E 25 St & E 10 Av**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.032	$1,671.14
160 4	TYPE B STABILIZATION	SY	$1.41	159	$224.19
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	159	$4,386.81
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	9	$1,468.89
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	9	$1,772.37
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	210	$10,817.10
520 3	VALLEY GUTTER- CONCRETE	LF	$17.00	140	$2,380.00
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	49	$3,046.33
527 2	DETECTABLE WARNINGS	SF	$34.26	20	$685.20
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	140	$5,334.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	5	$7,046.00
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	2	$4,439.38
649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	2	$135,945.34
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	3	$4,681.92
650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	1	$1,919.18
653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYs	AS	$1,948.49	2	$3,896.98
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	2	$863.18
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	2	$8,008.62
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	470	$1,193.80
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	400	$2,124.00
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.067	$370.89
-	CONTINGENCY	15%	$30,810.00		$0.00
0101 1	MOBILIZATION	10%	$20,540.00		$20,540.00
0102 1	MOT	10%	$20,540.00		$20,540.00
			TOTAL		$246,479.99



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

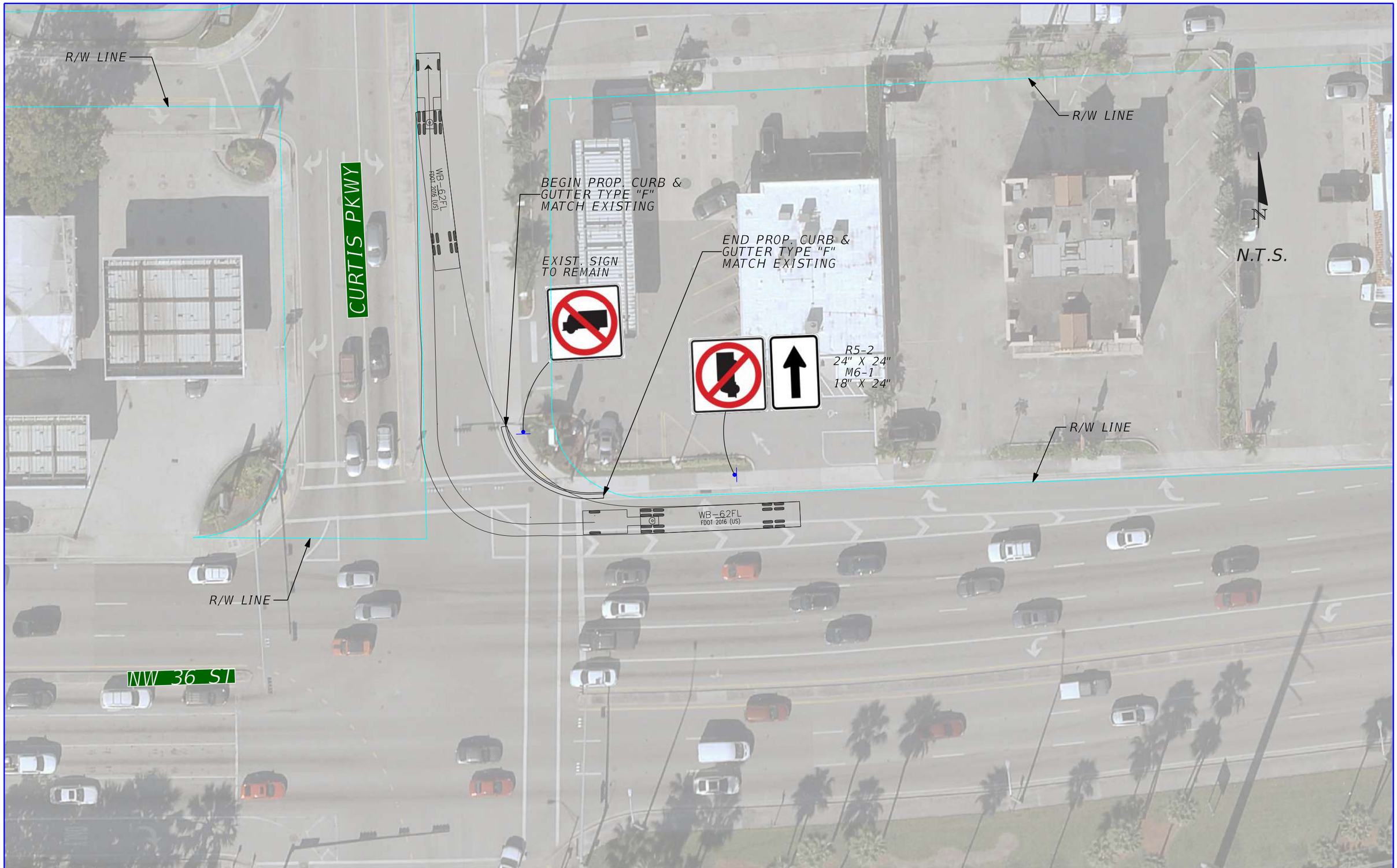
SB LEJEUNE RD RIGHT TURN TO WB E 49 ST
NB LEJEUNE RD RIGHT TURN TO EB E 49 ST

SHEET NO.

ASSET ID 2879

$USERS $DATES $TIMES $FILES

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2879 **- LeJeune Rd & E 49 St**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.135	$7,050.14
160 4	TYPE B STABILIZATION	SY	$1.41	76	$107.16
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	76	$3,293.08
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	11.2	$1,801.30
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	11.2	$2,205.62
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	115	$4,349.30
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	120	$7,460.40
527 2	DETECTABLE WARNINGS	SF	$78.84	20	$1,576.80
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$34.26	250	$8,565.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$38.10	6	$228.60
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$1,409.20	2	$2,818.40
649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$2,219.69	2	$4,439.38
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	2	$3,121.28
650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	2	$3,838.36
653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	$1,948.49	2	$3,896.98
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	2	$863.18
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	2	$973.18
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	2	$8,008.62
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	633	$1,607.82
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	700	$3,717.00
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.083	$459.46
-	CONTINGENCY	15%	$11,025.86		$11,025.86
0101 1	MOBILIZATION	10%	$7,350.57		$7,350.57
0102 1	MOT	10%	$7,350.57		$7,350.57
			TOTAL		$99,232.72



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

WB NW 36 ST RIGHT TURN TO NB CURTIS PKWY

SHEET NO.

ASSET ID 2902

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2902 **- NW 36 St & Curtiss Pkwy**					
0102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
0520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	40	$2,060.40
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.50	2	$973.00
-	CONTINGENCY	15%	$571.82		$571.82
0101 1	MOBILIZATION	10%	$381.22		$381.22
0102 1	MOT	10%	$381.22		$381.22
			TOTAL		$5,146.42

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA

ROAD NO.	COUNTY	FINANCIAL PROJECT ID

HARDING AVE & 96 ST
ASSET ID 2919

SHEET NO.

Asset ID 2919

TABULATION OF QUANTITIES - 2919 - Harding Av & 96 St					
PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	SUB-TOTAL
	ROADWAY				
110 1 1	CLEARING & GRUBBING	AC	0.1	$ 33,017.94	$ 3,301.79
110 4 10	REMOVAL OF EXISTING CONCRETE	SY	34	$ 37.62	$ 1,279.08
337 7 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	1	$ 173.50	$ 173.50
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	15	$ 80.00	$ 1,200.00
527 2	DETECTABLE WARNINGS	SF	17	$ 40.00	$ 680.00
520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	80	$ 40.00	$ 3,200.00
	SIGNING AND PAVEMENT MARKINGS				
711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	215	$ 3.00	$ 645.00
711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	213	$ 6.00	$ 1,278.00
711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.01	$ 5,700.00	$ 57.00
				SUB-TOTAL PROJECT	**$ 11,814.37**
				MAINTENANCE OF TRAFFIC (10%)	$ 1,181.44
				MOBILIZATION (10%)	$ 1,181.44
				CONTIGENCY(10%)	$ 1,181.44
				DESIGN(30%)	$ 3,544.31
				CEI (20%)	$ 2,362.87
				ESTIMATED CONSTRUCTION GRAND TOTAL	**$ 21,265.87**

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

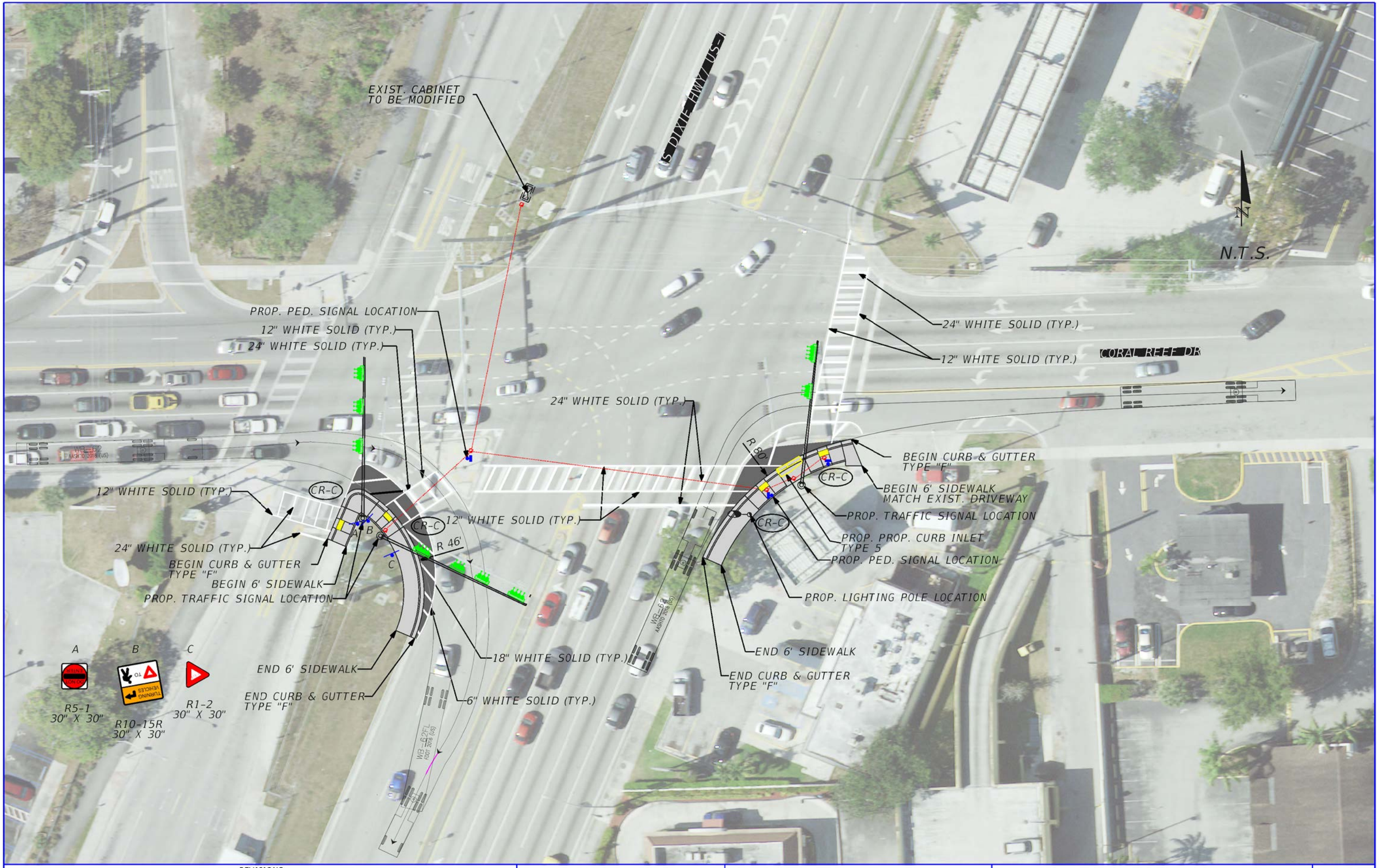
SB US-1 RIGHT TURN TO WB KILLIAN DR.
WB KILLIAN DR. RIGHT TURN TO NB US-1
NB US-1 RIGHT TURN TO EB KILLIAN DR.

SHEET NO.

ASSET ID 2954

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2954 **- US-1 & Killian Dr**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.031	$1,618.92
160 4	TYPE B STABILIZATION	SY	$1.41	35	$49.35
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	35	$965.65
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	1.5	$244.82
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	1.5	$295.40
425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	1	$6,010.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	140	$7,211.40
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	110	$6,838.70
527 2	DETECTABLE WARNINGS	SF	$34.26	20	$685.20
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	283	$10,782.30
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	5	$7,046.00
649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	$90,011.94	1	$90,011.94
649 21 21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78'	EA	$103,802.75	1	$103,802.75
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	4	$6,242.56
650 1 16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	$1,824.40	1	$1,824.40
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	2	$2,621.82
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	2	$863.18
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	2	$973.18
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	2	$8,008.62
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	364	$924.56
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	250	$1,327.50
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.018	$99.64
711 11 224	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.01	29	$116.29
-	CONTINGENCY	15%	$39,306.17		$39,306.17
0101 1	MOBILIZATION	10%	$26,204.11		$26,204.11
0102 1	MOT	10%	$26,204.11		$26,204.11
			TOTAL		$353,755.54



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

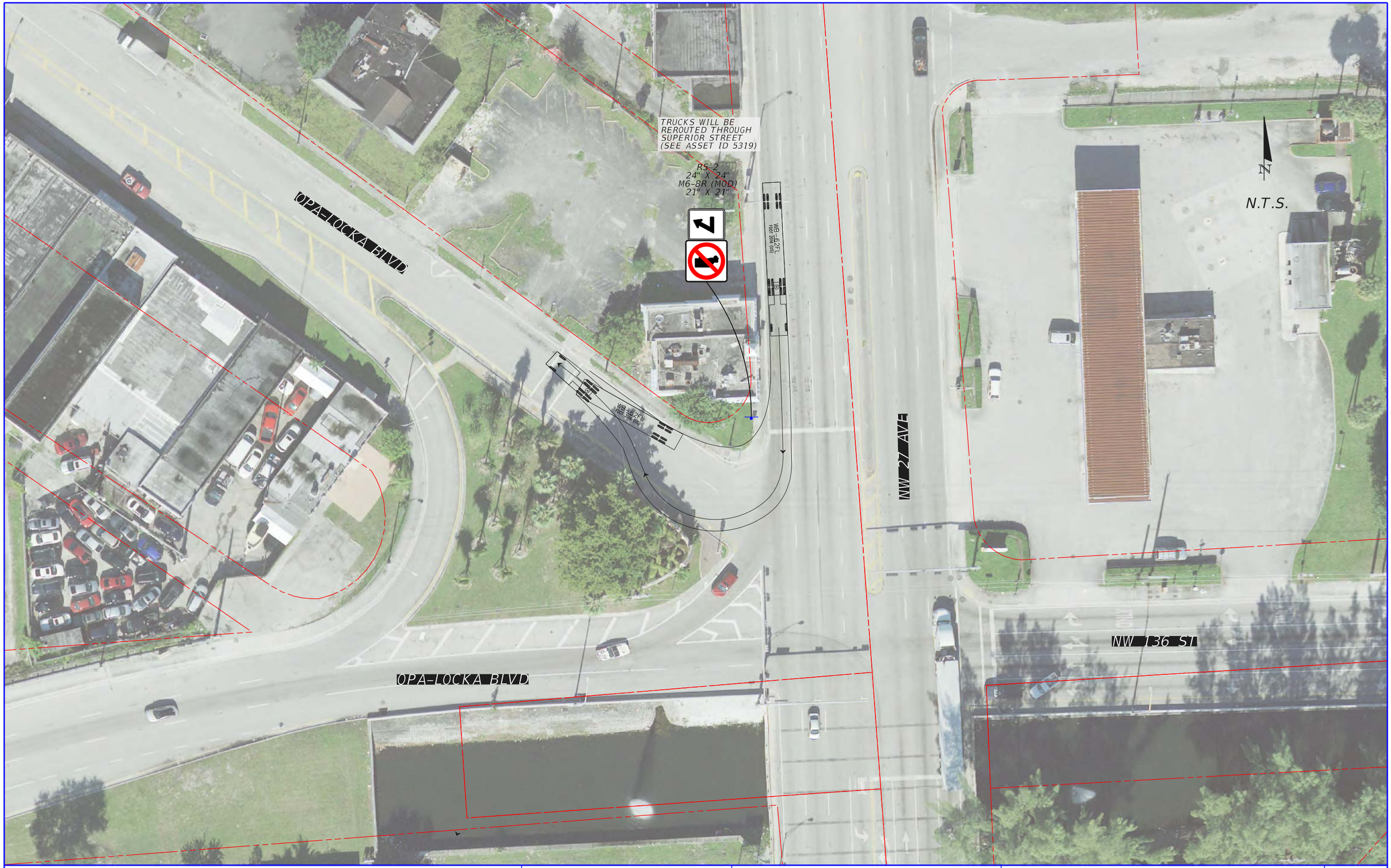
WB CORAL REEF DR RIGHT TURN TO SB US-1
NB US-1 RIGHT TURN TO WB CORAL REEF DR

SHEET NO.

ASSET ID 2955

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2955 **- US-1 & Coral Reef Dr**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.048	$2,506.72
160 4	TYPE B STABILIZATION	SY	$1.41	91	$128.31
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	91	$2,510.69
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	5	$816.05
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	91	$17,920.63
425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	1	$6,010.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	160	$8,241.60
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	141	$8,765.97
527 2	DETECTABLE WARNINGS	SF	$34.26	20	$685.20
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	270	$10,287.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	6	$8,455.20
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	3	$6,659.07
649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	$90,011.94	1	$90,011.94
649 21 15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	EA	$90,991.73	2	$181,983.46
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	6	$9,363.84
650 1 16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	$1,824.40	3	$5,473.20
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	3	$3,932.73
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	3	$1,294.77
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	3	$1,459.77
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	3	$12,012.93
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	321	$815.34
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	571	$3,032.01
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.017	$94.11
-	CONTINGENCY	15%	$57,890.63		$57,890.63
0101 1	MOBILIZATION	10%	$38,593.75		$38,593.75
0102 1	MOT	10%	$38,593.75		$38,593.75
			TOTAL		$521,015.63



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

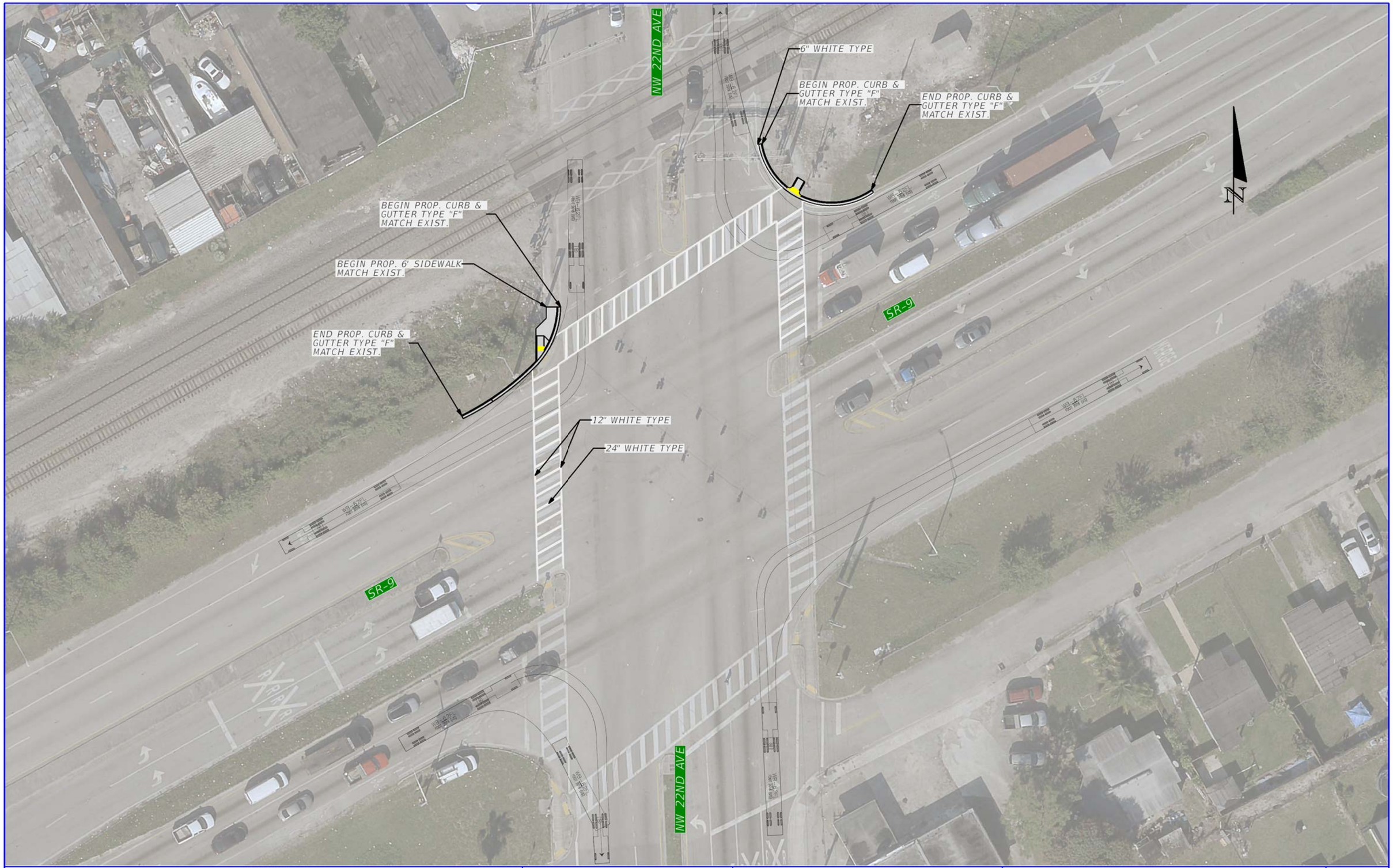
SB NW 27 AVE RIGHT TURN TO WB OPA-LOCKA BLVD

SHEET NO.

ASSET ID 2980

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2980 **- NW 27 Av & Opa-locka Blvd**					
0102 1	MAINTENANCE OF TRAFFIC	LS	$761.76	1	$761.76
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	2	$976.42
-	CONTINGENCY	15%	$260.73		$260.73
0101 1	MOBILIZATION	10%	$173.82		$173.82
0102 1	MOT	10%	$173.82		$173.82
			TOTAL		$2,346.54



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

STATE OF FLORIDA

ROAD NO.	COUNTY	FINANCIAL PROJECT ID

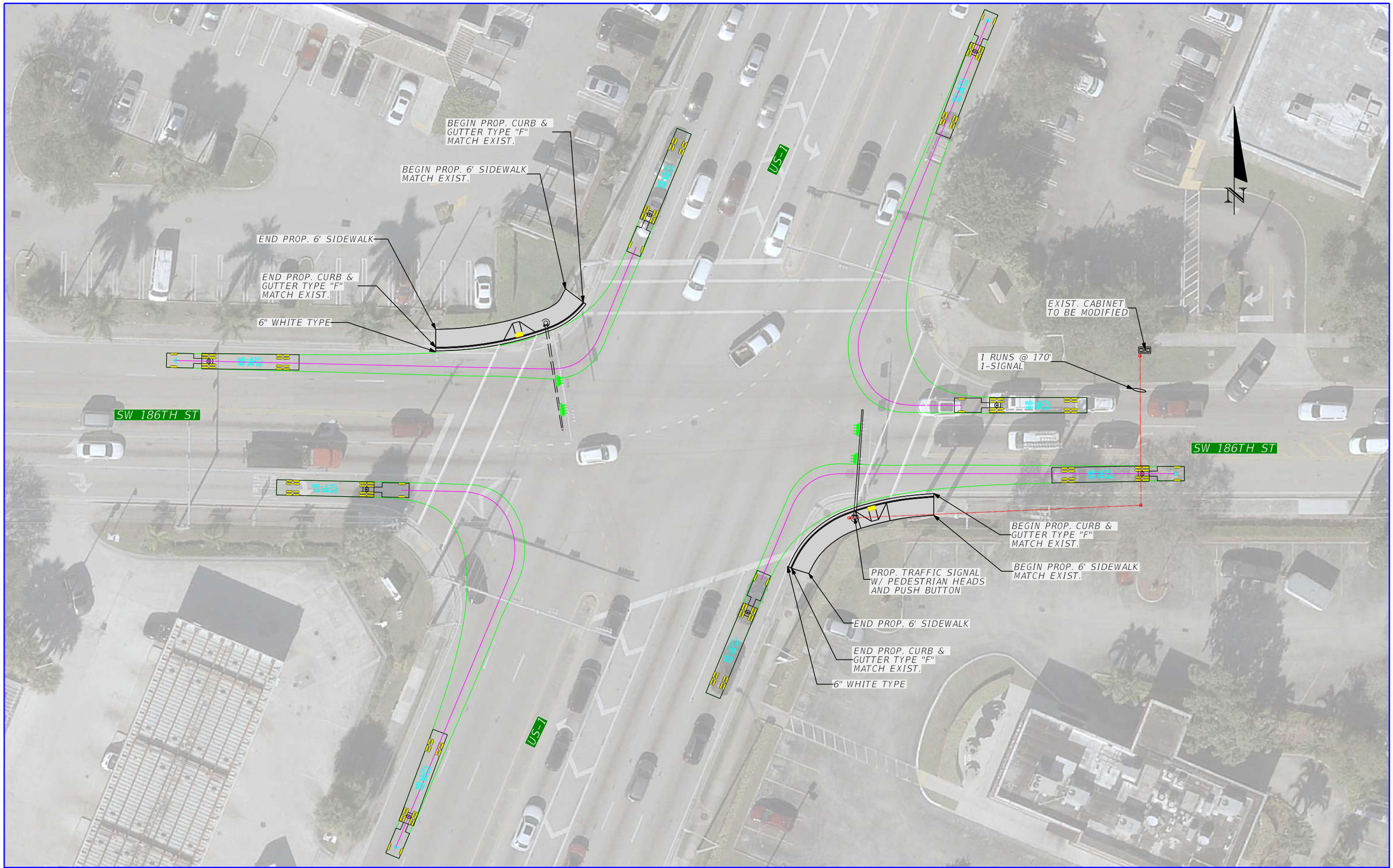
SR- 9 & NW 22 AVE
ASSET ID 2981

SHEET NO.

ASSET ID 2981

$USER$ $DATE$ $TIME$ $MODELNAME$ $FILE$

TABULATION OF QUANTITIES - 2981 - SR- 9 & NW 22 Av					
PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	SUB-TOTAL
	ROADWAY				
110 1 1	CLEARING & GRUBBING	AC	0.1	$ 33,000.00	$ 3,300.00
110 4 10	REMOVAL OF EXISTING CONCRETE	SY	29	$ 30.00	$ 870.00
337 7 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	1	$ 175.00	$ 175.00
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	28	$ 80.00	$ 2,240.00
527 2	DETECTABLE WARNINGS	SF	16	$ 40.00	$ 640.00
520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	163	$ 40.00	$ 6,520.00
	SIGNING AND PAVEMENT MARKINGS				
711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	450	$ 6.00	$ 2,700.00
711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	672	$ 3.00	$ 2,016.00
711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.01	$ 5,700.00	$ 57.00
				SUB-TOTAL PROJECT	**$ 18,518.00**
				MAINTENANCE OF TRAFFIC (10%)	$ 1,851.80
				MOBILIZATION (10%)	$ 1,851.80
				CONTIGENCY(10%)	$ 1,851.80
				DESIGN(30%)	$ 5,555.40
				CEI (20%)	$ 3,703.60
				ESTIMATED CONSTRUCTION GRAND TOTAL	**$ 33,332.40**



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA

ROAD NO.	COUNTY	FINANCIAL PROJECT ID

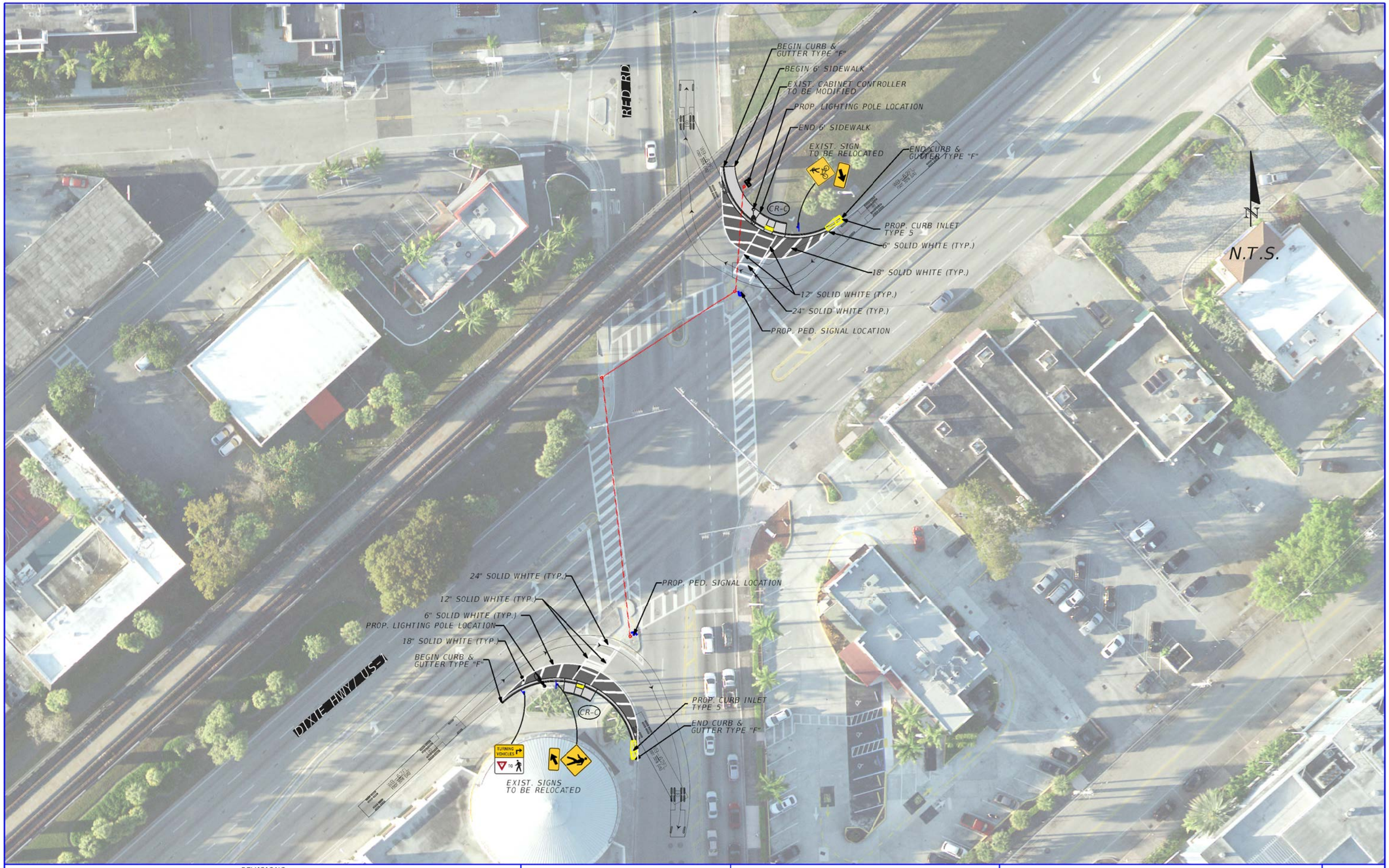
US-1 & QUAIL ROOST DR
ASSET ID 2994

SHEET NO.

Asset ID 2994

TABULATION OF QUANTITIES - 2994 - US-1 & Quail Roost Dr

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	SUB-TOTAL
	ROADWAY				
110 1 1	CLEARING & GRUBBING	AC	0.1	$ 33,000.00	$ 3,300.00
110 4 10	REMOVAL OF EXISTING CONCRETE	SY	92	$ 30.00	$ 2,760.00
337 7 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	2	$ 175.00	$ 350.00
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	214	$ 80.00	$ 17,120.00
527 2	DETECTABLE WARNINGS	SF	26	$ 40.00	$ 1,040.00
520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	200	$ 40.00	$ 8,000.00
	SIGNING AND PAVEMENT MARKINGS				
700 3202	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 12-20 SF	EA	1	$ 2,100.00	$ 2,100.00
711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	424	$ 3.00	$ 1,272.00
711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.03	$ 5,700.00	$ 171.00
	SIGNALIZATION				
649 21 3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	1	$ 85,000.00	$ 85,000.00
630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	170	$ 18.00	$ 3,060.00
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	1	$ 24.00	$ 24.00
650 1 16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	1	$ 24.00	$ 24.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	3	$ 900.00	$ 2,700.00
				SUB-TOTAL PROJECT	**$ 126,921.00**
				MAINTENANCE OF TRAFFIC (10%)	$ 12,692.10
				MOBILIZATION (10%)	$ 12,692.10
				CONTIGENCY(10%)	$ 12,692.10
				DESIGN(30%)	$ 38,076.30
				CEI (20%)	$ 25,384.20
				ESTIMATED CONSTRUCTION GRAND TOTAL	**$ 228,457.80**



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

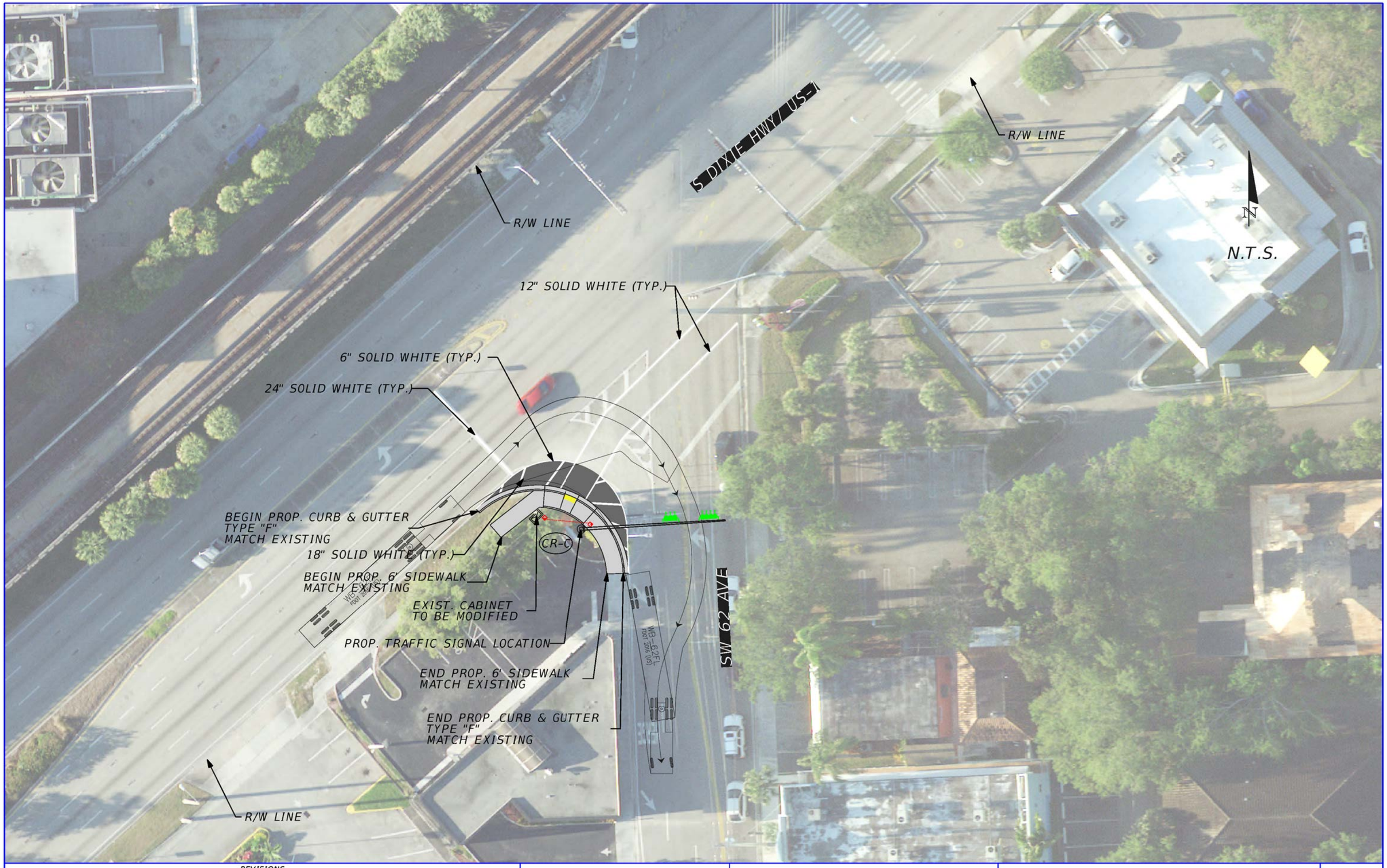
WB US-1 RIGHT TURN TO NB RED RD
EB US-1 RIGHT TURN TO SB RED RD

SHEET NO.

ASSET ID
2998

$USERS $DATES $TIMES $FILES

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2998 **- US-1 & Red Rd**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.15	$7,833.49
160 4	TYPE B STABILIZATION	SY	$1.41	450	$634.50
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	450	$12,415.50
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	25	$4,080.25
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	25	$4,923.25
0425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	2	$12,020.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	200	$10,302.00
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	24	$1,492.08
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	$78.84	23	$1,813.32
527 2	DETECTABLE WARNINGS	SF	$34.26	18	$616.68
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	290	$11,049.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	4	$5,636.80
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	2	$4,439.38
653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAY	AS	$1,310.91	2	$2,621.82
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	2	$863.18
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	4	$1,946.36
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	112	$284.48
711 11 124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$4.01	161	$645.61
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	92	$488.52
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.043	$238.03
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.35	19	$6.65
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$3,856.14	2	$7,712.28
-	CONTINGENCY	15%	$14,331.02		$14,331.02
0101 1	MOBILIZATION	10%	$9,554.01		$9,554.01
0102 1	MOT	10%	$9,554.01		$9,554.01
			TOTAL		$128,979.20



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

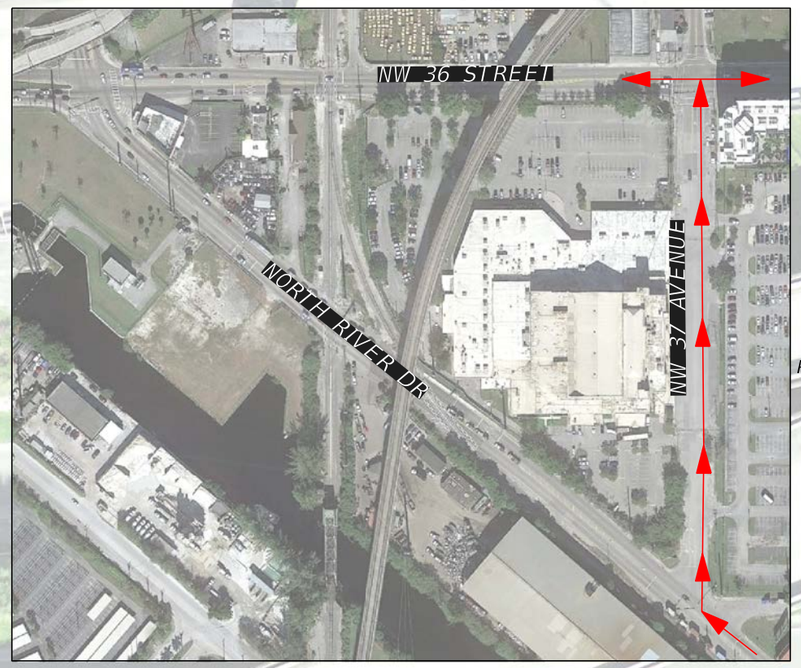
EB US-1 RIGHT TURN TO SB SW 62 AVE

SHEET NO.

ASSET ID 2999

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2999 **- US-1 & SW 62 Av**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.088	$4,595.65
160 4	TYPE B STABILIZATION	SY	$1.41	198	$279.18
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	198	$5,462.82
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	11	$1,795.31
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	11	$2,166.23
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	72	$3,708.72
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	58	$3,605.86
527 2	DETECTABLE WARNINGS	SF	$34.26	10	$342.60
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	17	$647.70
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	2	$2,818.40
649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	$90,011.94	1	$90,011.94
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	1	$1,560.64
650 1 16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	$1,824.40	1	$1,824.40
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	185	$469.90
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	82	$435.42
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.06	$332.14
711 11 224	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.14	45	$186.30
-	CONTINGENCY	15%	$19,420.05		$19,420.05
0101 1	MOBILIZATION	10%	$12,946.70		$12,946.70
0102 1	MOT	10%	$12,946.70		$12,946.70
			TOTAL		$174,780.43



BEGIN CURB AND GUTTER TYPE "F" MATCH EXIST.

BEGIN 5' SIDEWALK MATCH EXIST.

PROP. INLET TYPE 6 NEW LOCATION

PROP. LIGHTING POLE NEW LOCATION

PROP. MAST ARM NEW LOCATION

PROP. PED. SIGNAL NEW LOCATION

PROP. SIGNAL CABINET AND SERV. DISCONNECT NEW LOCATION

PROP. MANHOLE AND PIPE CULVERT

END 5' SIDEWALK MATCH EXIST.

END CURB AND GUTTER TYPE "F" MATCH EXIST.

RIGHT OF WAY

N.T.S.

R 63'

R 43'

WB-62FL FDOT 2016 (US)

NW 36 ST

EXIST. DAMAGED PED. SIGNALS TO BE REPLACED

PROP. CONDUIT FOR SIGNAL

24" WHITE SOLID (TYP.)

12" WHITE SOLID (TYP.)

10'

WB-62 AASHTO 2018 (US)

RECONSTRUCT DAMAGED ISLAND SEPARATOR

6" WHITE SOLID (TYP.) MATCH EXISTING

R 64'

BEGIN CURB & GUTTER TYPE "F" MATCH EXISTING

BEGIN 6' SIDEWALK MATCH EXIST.

PROP. LIGHTING POLE NEW LOCATION

PROP. MANHOLE AND PIPE CULVERT

PROP. INLET TYPE 10 NEW LOCATION

RIGHT OF WAY

R 160'

EXIST. DAMAGED SIGN TO BE REPLACED

PROP. MAST ARM NEW LOCATION

YIELD

EXIST. DAMAGED SIGN TO BE REPLACED

RIGHT OF WAY

END 6' SIDEWALK MATCH EXISTING

END CURB & GUTTER TYPE "F" MATCH EXIST.

NORTH RIVER DR

PROPOSED SIGNS
R5-2
24" X 24"
M6-1
18" X 24"

TRUCKS WILL BE REROUTED THROUGH NW 37 AVENUE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

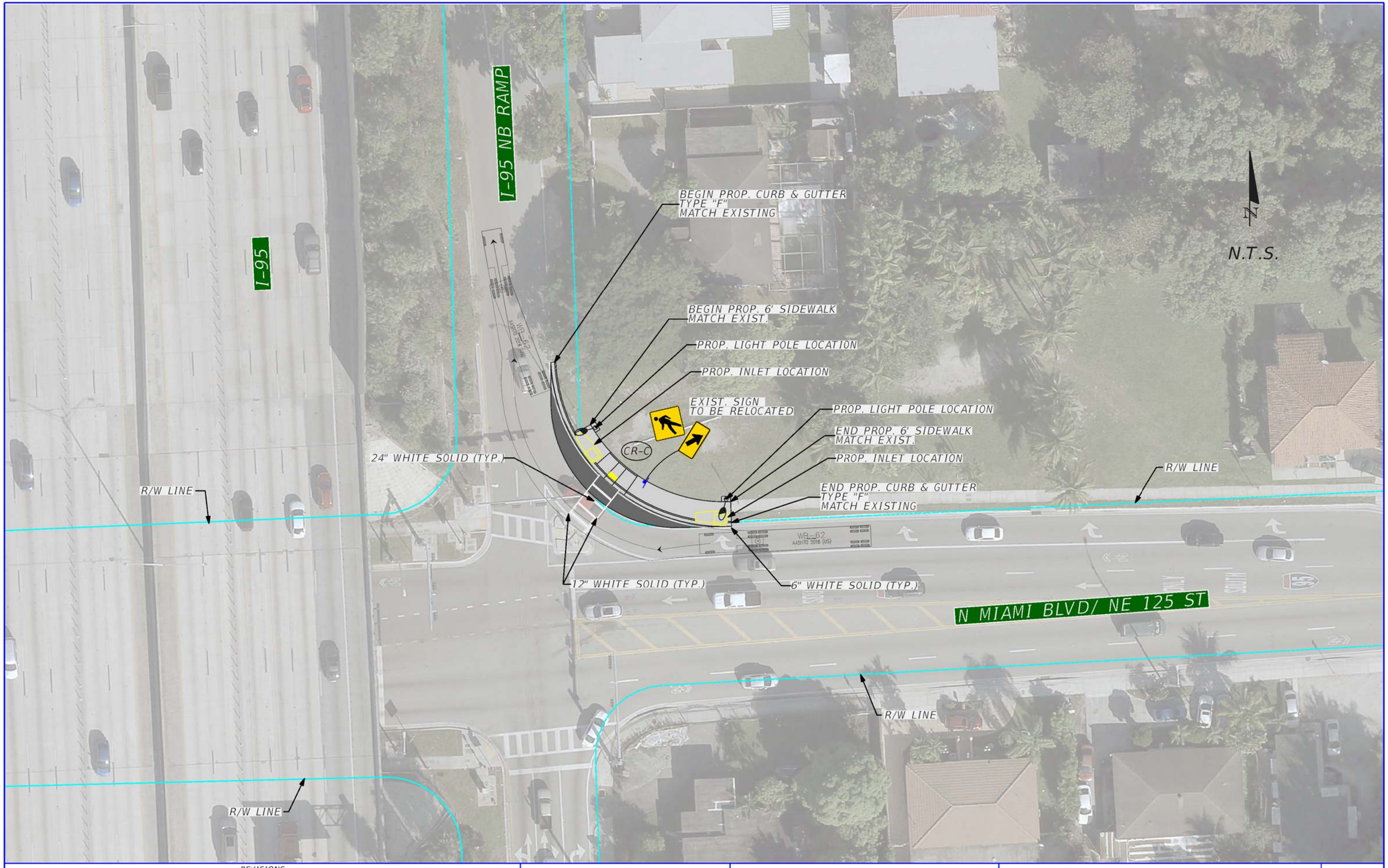
EB NW 36 ST RIGHT TURN TO SB NORTH RIVER DR
WB NW 36 ST RIGHT TURN TO NB NORTH RIVER DR

SHEET NO.

ASSET ID
3048

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3048 **- NW 36 St & North River Dr**					
110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.143	$7,947.01
160 4	TYPE B STABILIZATION	SY	$1.36	225	$306.00
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	225	$9,749.25
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	25	$4,020.75
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	25	$4,923.25
425 11	MODIFY EXISTING DRAINAGE STRUCTURE	EA	$9,000.00	2	$18,000.00
425 1211	INLETS, CURB, TYPE 10, <10'	EA	$6,500.00	1	$6,500.00
425 1361	INLETS, CURB, TYPE P-6, <10'	EA	$9,838.21	1	$9,838.21
430 174 118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	$177.81	20	$3,556.20
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	315	$11,935.35
520 2 4	CONCRETE CURB, TYPE D	LF	$31.07	250	$7,767.50
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	500	$31,070.00
527 2	DETECTABLE WARNINGS	SF	$78.71	164	$12,908.44
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.18	275	$10,499.50
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,410.59	16	$22,569.44
635 2 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	$2,794.99	1	$2,794.99
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	3	$6,659.07
646 1 60	ALUMINUM SIGNALS POLE, REMOVE	EA	$269.31	3	$807.93
649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	1	$67,972.67
649 21 21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78'	EA	$103,802.75	1	$103,802.75
649 26 3	STEEL MAST ARM ASSEMBLY, REMOVE, SHALLOW FOUNDATION- BOLT ON ATTACHMENT	EA	$7,997.79	2	$15,995.58
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	2	$3,121.28
650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	2	$3,838.36
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	3	$3,932.73
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	3	$1,294.77
670 5140	TRAFFIC CONTROLLER ASSEMBLY, FURNISH & INSTALL MODEL 2070	AS	$44,000.16	1	$44,000.16
670 5600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	$1,239.64	1	$1,239.64
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	4	$1,952.84
700 1 60	SINGLE POST SIGN, REMOVE	AS	$109.85	4	$439.40
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	2	$8,008.62
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	370	$1,095.20
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	321	$1,704.51
711 11 124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$3.96	330	$1,306.80
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6'	GM	$5,691.80	0.078	$443.96
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.58	10	$5.80
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$2,381.17	2	$4,762.34
-	CONTINGENCY	15%	$65,515.54		$65,515.54
0101 1	MOBILIZATION	10%	$43,677.03		$43,677.03
0102 1	MOT	10%	$43,677.03		$43,677.03
			TOTAL		$589,639.90



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

WB N MIAMI BLVD. RIGHT TURN TO I-95 NB RAMP

SHEET NO.

ASSET ID 3083

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3083 **- N Miami Blvd & I- 95 NB**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.029	$1,514.47
160 4	TYPE B STABILIZATION	SY	$1.41	56	$78.96
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	56	$1,545.04
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	3	$489.63
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	3	$590.79
425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	2	$12,020.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	107	$5,511.57
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	61	$3,792.37
527 2	DETECTABLE WARNINGS	SF	$34.26	10	$342.60
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	1	$486.59
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	40	$101.60
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	45	$238.95
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,635.20	0.019	$107.07
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.35	10	$3.50
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$3,856.14	2	$7,712.28
-	CONTINGENCY	15%	$5,297.13		$5,297.13
0101 1	MOBILIZATION	10%	$3,531.42		$3,531.42
0102 1	MOT	10%	$3,531.42		$3,531.42
			TOTAL		$47,674.15

END PROP. CURB & GUTTER
TYPE "F"
MATCH EXISTING

EXIST. SIGN
TO BE RELOCATED

PROP. SIGNAL LOCATION

EXIST. SIGN
TO BE RELOCATED

R/W LINE

BEGIN PROP. CURB & GUTTER
TYPE "F"
MATCH EXISTING

S DIXIE HWY / US - 1

BUSWAY XING

S DADE TRAIL

6" WHITE SOLID (TYP.)

18" WHITE SOLID (TYP.)

24" WHITE SOLID (TYP.)

SW 104 ST

R/W LINE

EXIST. CABINET
TO BE MODIFIED

N.T.S.

R/W LINE

R/W LINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

SB US-1 RIGHT TURN TO WB SW 104 ST

SHEET NO.

ASSET ID
3147

$USERS $DATES $TIMES $FILES

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3147 **- US-1 & SW 104 St**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.006	$313.34
160 4	TYPE B STABILIZATION	SY	$1.41	19	$26.79
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	19	$823.27
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	1	$160.83
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	1	$196.93
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	96	$3,630.72
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	125	$4,762.50
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	2	$2,818.40
649 21 1	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 30'	EA	$90,011.94	1	$90,011.94
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	2	$3,121.28
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	2	$973.18
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.011	$60.89
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	110	$584.10
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$4.01	26	$104.26
-	CONTINGENCY	15%	$17,207.61		$17,207.61
0101 1	MOBILIZATION	10%	$11,471.74		$11,471.74
0102 1	MOT	10%	$11,471.74		$11,471.74
			TOTAL		$154,868.51

RED RD

W 9 ST

OKEECHOBEE RD

EXISTING CONTROLLER CABINET TO REMAIN

EXIST. PEDESTRIAN BRIDGE

EXIST. LIGHTING POLE TO REMAIN

EXIST. MAST ARM TO REMAIN

WB-62FL
FDOT 2016 (US)

ONLY ONLY NW NO

N

N.T.S.

PROPOSED SIGN
R3-08
30" X 48"

ONLY ONLY

PROPOSED
CUSTOM SIGN
36" X 36"

TRUCKS USE CENTER LANE RED ROAD

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

WB 9 ST RIGHT TURN TO NB RED RD.

SHEET NO.

ASSET ID
3198

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3198 **- Red Rd & & Okeechobee Rd & W 9 St**					
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	2	$976.42
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	$171.45	3	$514.35
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	$113.32	3	$339.96
-	CONTINGENCY	15%	$274.61		$274.61
0101 1	MOBILIZATION	10%	$183.07		$183.07
0102 1	MOT	10%	$183.07		$183.07
			TOTAL		$2,471.49

RIGHT OF WAY

EXIST. SIGNAL
TO REMAIN

BEGIN CURB & GUTTER
TYPE "F" MATCH EXIST.

OKEECHOBEE RD

6" YELLOW SOLID (TYP.)

W 16 AVE

WB-62
AASHTO 2018 (US)

WB-62FL
TDOT 2016 (US)

NEW CURB & SIDEWALK
NO DAMAGED OBSERVED
ACCORDINBG TO FIELD REVIEW

RIGHT OF WAY

N

N.T.S.

RIGHT OF WAY

YIELD

EXISTING DAMAGED
SIGN TO BE REPLACED

18" YELLOW SOLID (TYP.)

RIGHT OF WAY

END CURB & GUTTER
TYPE "F" MATCH EXIST.

LEGEND:

✳ TREES TO BE RELOCATED

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

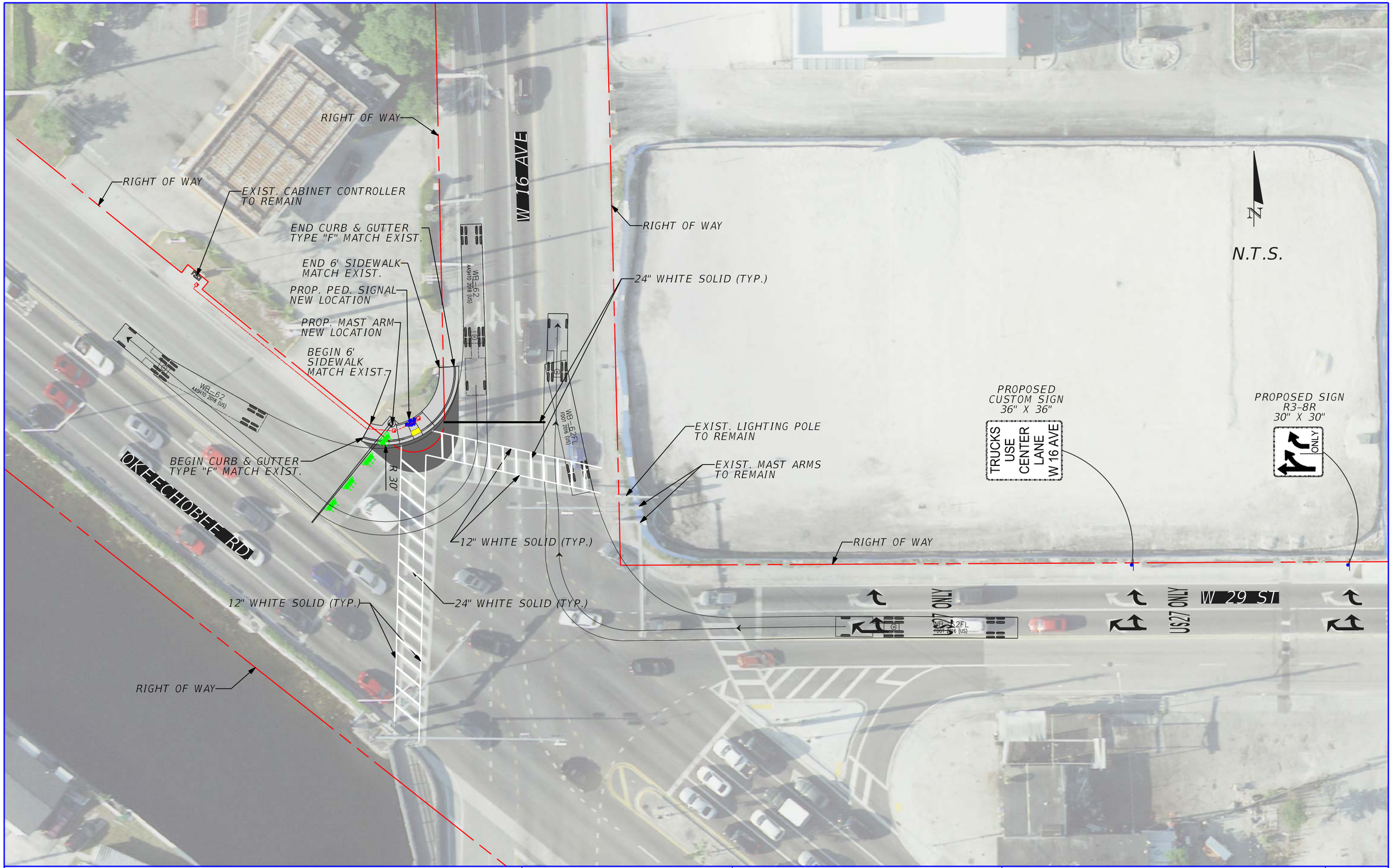
CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

NB W 16 AVE RIGHT TURN TO EB OKEECHOBEE RD.

SHEET NO.

ASSET ID
3608

$USER$ $DATE$ $TIME$ $FILE$



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

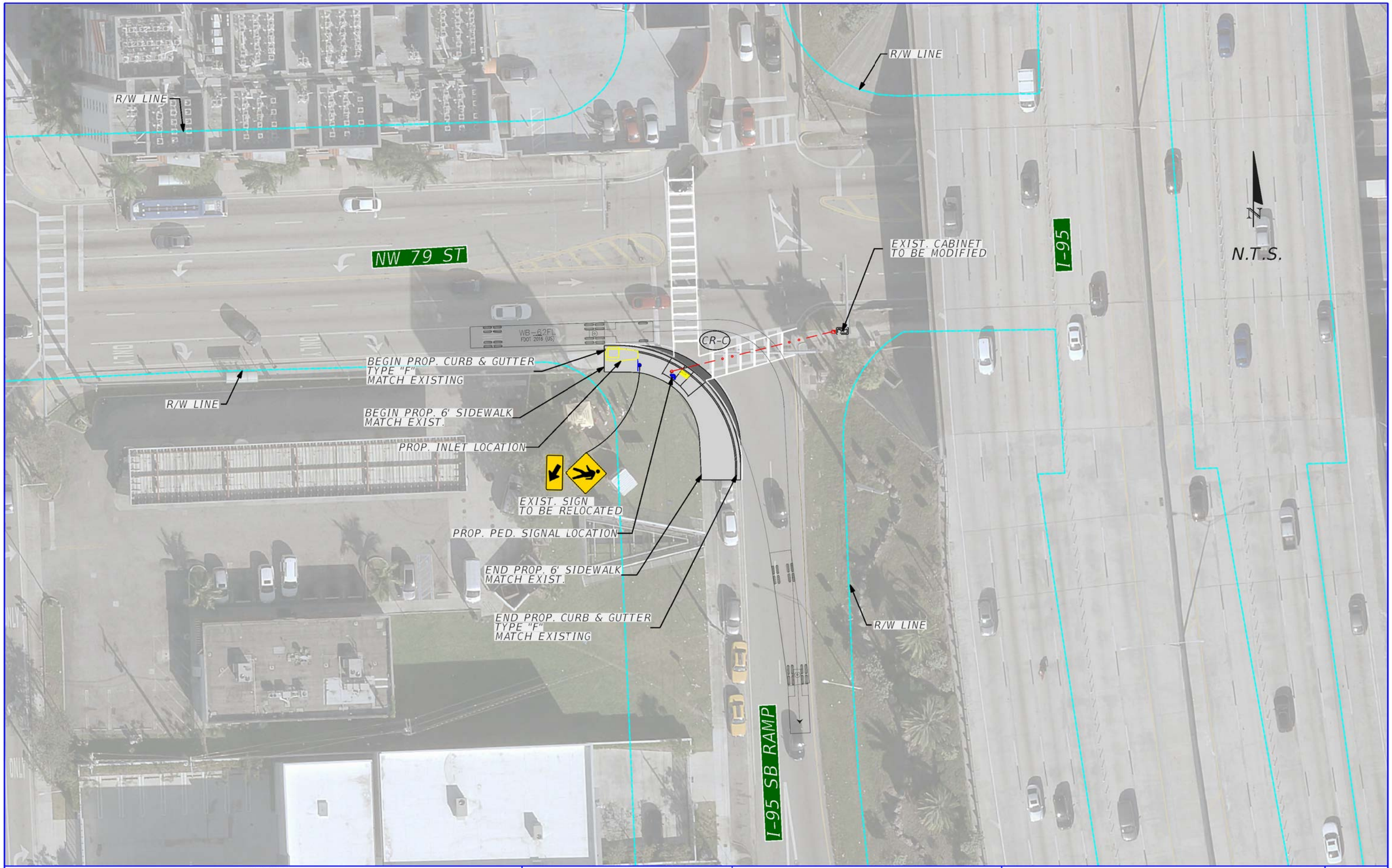
WB 29 ST RIGHT TURN TO NB W 16 AVE
SB W 16 AVE RIGHT TURN TO OKEECHOBEE RD
NB W 16 AVE RIGHT TURN TO EB OKEECHOBEE RD.

SHEET NO.

ASSET ID
3608

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3608 **- Okeechobee Rd & W 16 Av & W 29 St**					
102 1	MAINTENANCE OF TRAFFIC	LS	$761.76	1	$761.76
110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.185	$10,281.09
160 4	TYPE B STABILIZATION	SY	$1.36	73	$99.28
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	73	$3,163.09
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	3	$482.49
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	3	$590.79
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	60	$2,273.40
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	46	$2,858.44
527 2	DETECTABLE WARNINGS	SF	$78.71	10	$787.10
0581 1 1	RELOCATE TREES AND PALMS, PALM, <14' OF CLEAR TRUNK	EA	$1,545.71	8	$12,365.68
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$42.94	150	$6,441.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,410.59	3	$4,231.77
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	1	$2,219.69
649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	1	$67,972.67
649 26 3	STEEL MAST ARM ASSEMBLY, REMOVE, SHALLOW FOUNDATION- BOLT ON ATTACHMENT	EA	$9,416.78	1	$9,416.78
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	4	$6,242.56
653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	$1,991.88	1	$1,991.88
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	2	$976.42
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	420	$1,243.20
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	500	$2,655.00
711 11 224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.14	227	$939.78
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.017	$96.76
-	CONTINGENCY	15%	$21,378.98		$21,378.98
0101 1	MOBILIZATION	10%	$14,252.65		$14,252.65
0102 1	MOT	10%	$14,252.65		$14,252.65
			TOTAL		$192,410.82



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

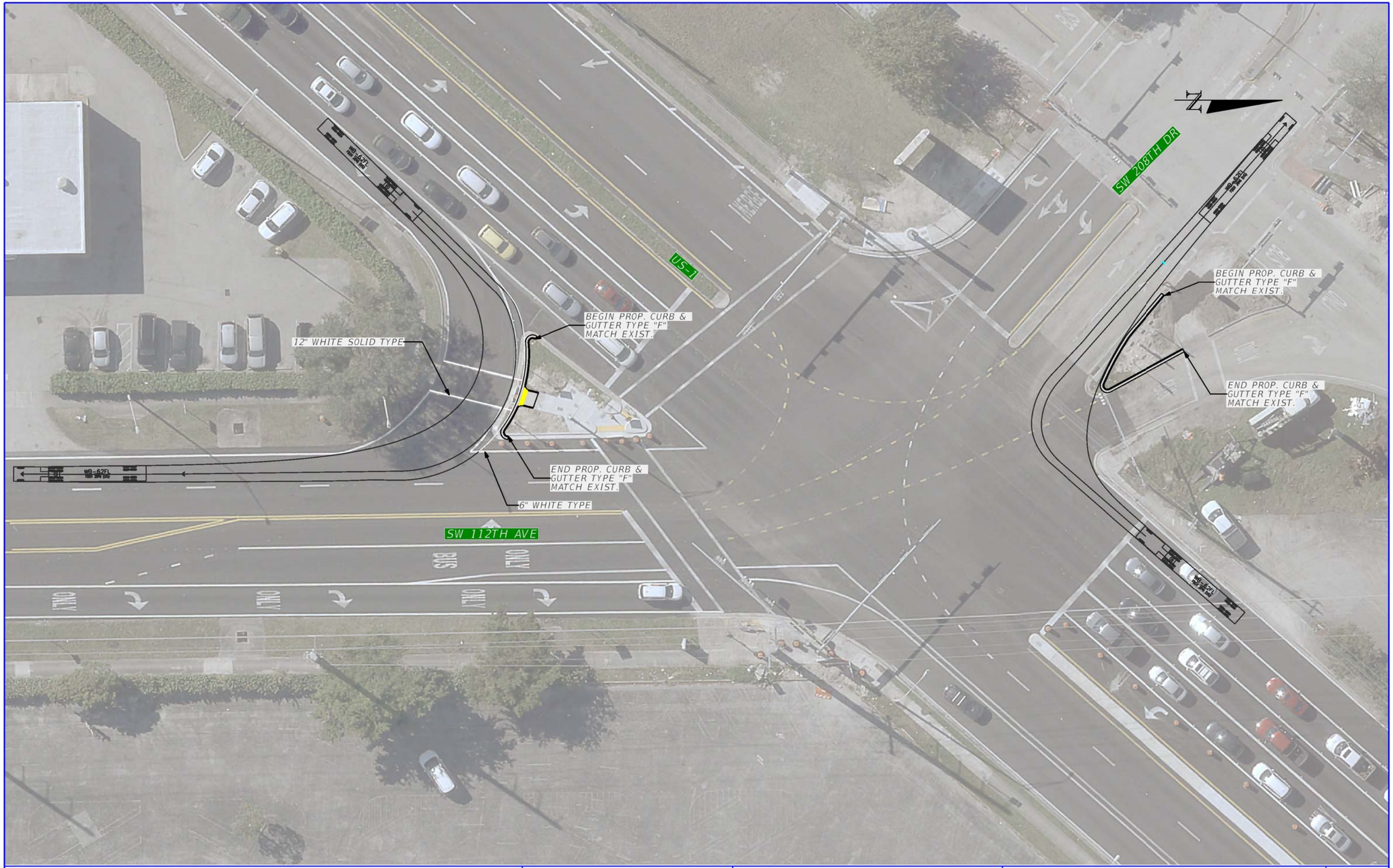
EB NW 79 ST RIGHT TURN TO I-95 SB RAMP

SHEET NO.

ASSET ID
3634

$USERS $DATES $TIMES $FILES

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3634 **- NW 79 St & I- 95 SB**					
0102 1	MAINTENANCE OF TRAFFIC	LS	$761.76	1	$761.76
0110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.126	$7,002.26
0160 4	TYPE B STABILIZATION	SY	$1.36	54	$73.44
0285706	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	54	$2,339.82
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	2.6	$418.16
0337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	2.6	$512.02
0425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	1	$6,010.00
0520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	80	$3,031.20
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	85	$5,281.90
0522 2	DETECTABLE WARNINGS	SF	$78.71	8	$629.68
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.18	68	$2,596.24
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,410.59	2	$2,821.18
0653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAY	AS	$1,948.49	1	$1,948.49
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
0700 5 21	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$4,004.31	1	$4,004.31
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	693	$2,051.28
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	1357	$7,205.67
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.04	$227.67
-	CONTINGENCY	15%	$7,453.89		$7,453.89
0101 1	MOBILIZATION	10%	$4,969.26		$4,969.26
0102 1	MOT	10%	$4,969.26		$4,969.26
			TOTAL		$67,084.98



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA

ROAD NO.	COUNTY	FINANCIAL PROJECT ID

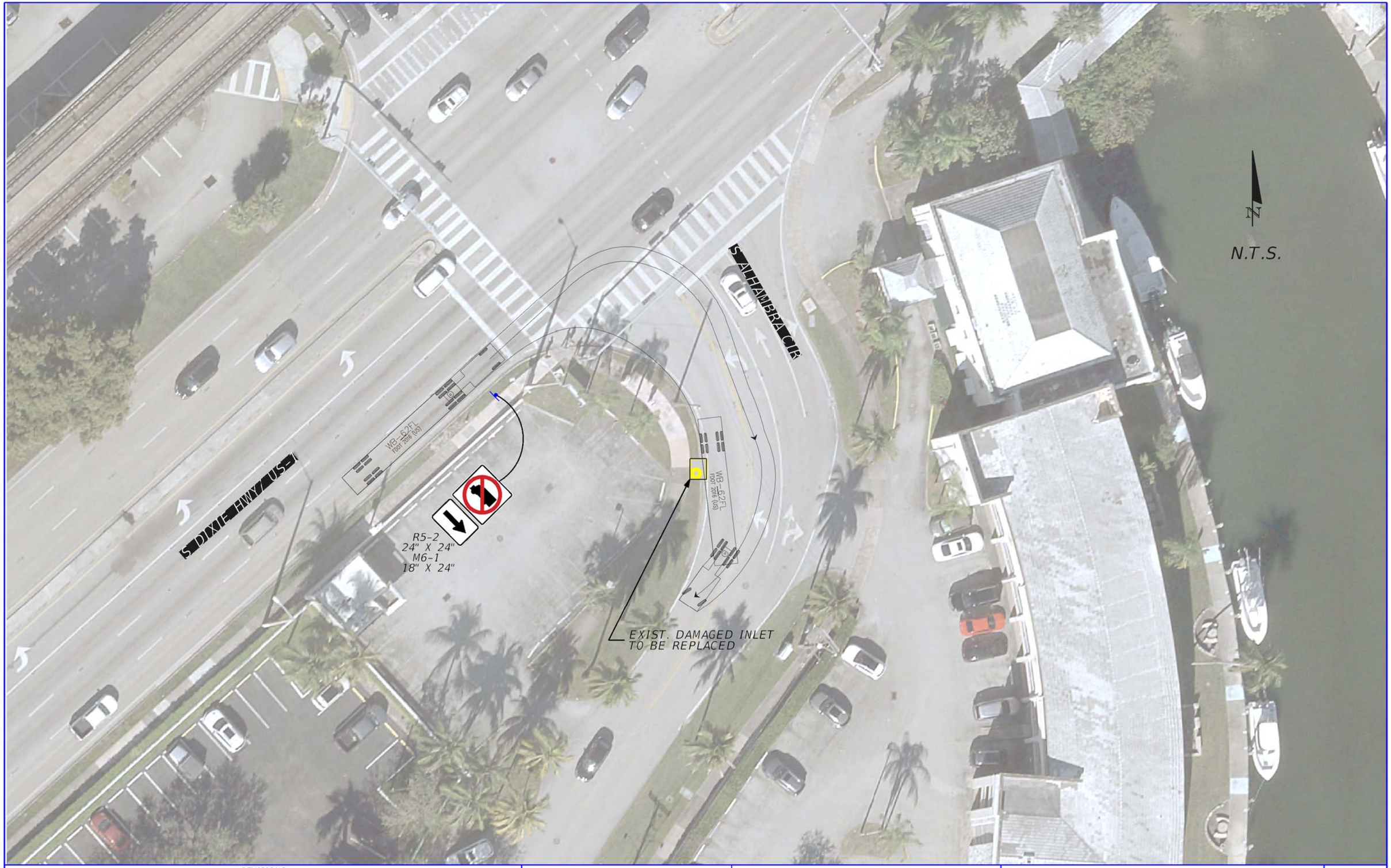
NB US-1 RIGHT TURN TO EB
SB US-1 RIGHT TURN TO WB

SHEET NO.

ASSET ID 3649

$USER$ $DATE$ $TIME$ $MODELNAME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3649 **- US-1 & SW 112 Av**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.011	$574.46
160 4	TYPE B STABILIZATION	SY	$1.41	20	$28.20
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	20	$551.80
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	0.5	$81.61
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	0.5	$98.47
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	180	$9,271.80
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	12	$746.04
527 2	DETECTABLE WARNINGS	SF	$34.26	18	$616.68
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	92	$233.68
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.011	$60.89
-	CONTINGENCY	15%	$44.19		$44.19
0101 1	MOBILIZATION	10%	$29.46		$29.46
0102 1	MOT	10%	$29.46		$29.46
			TOTAL		$13,145.48



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

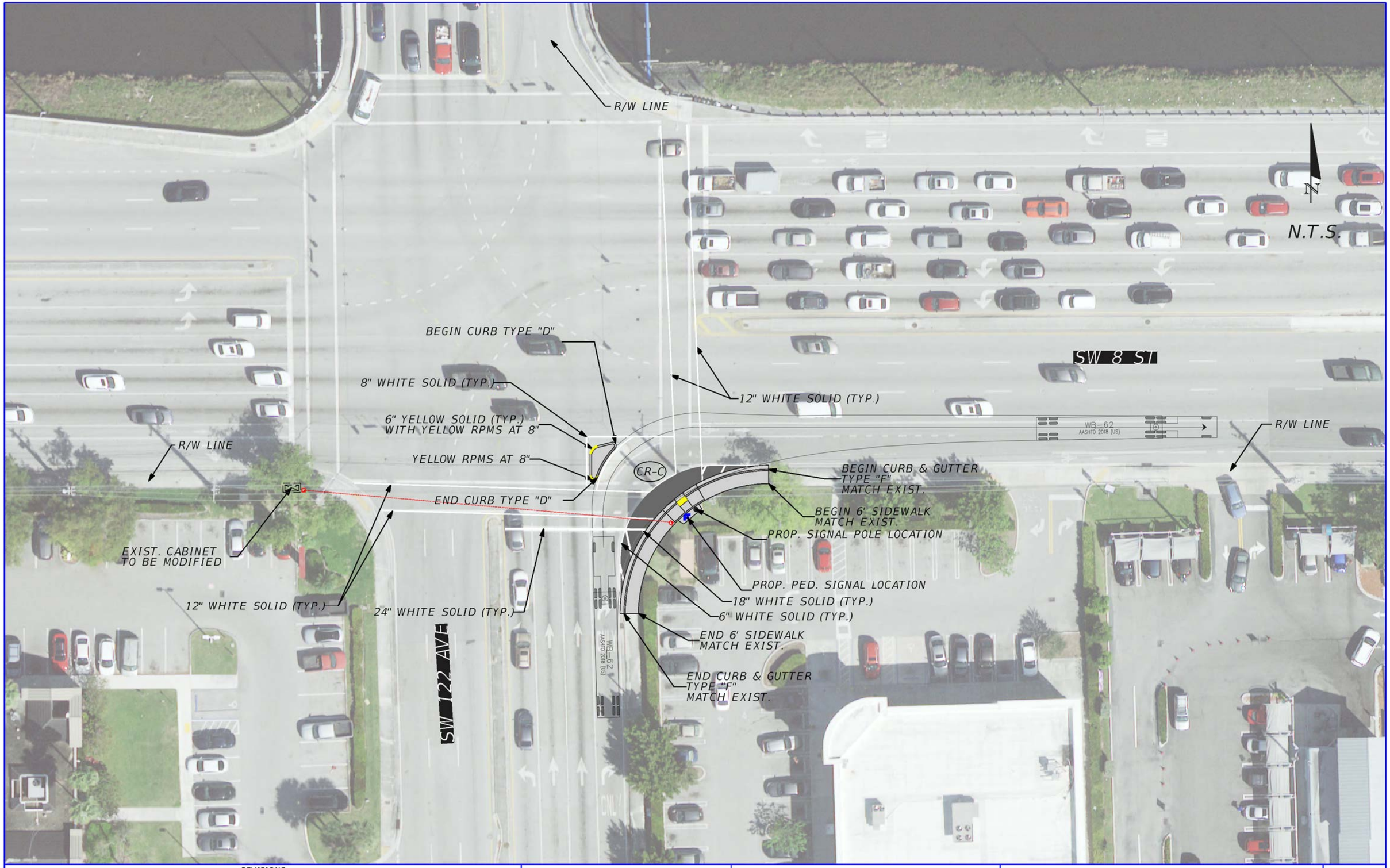
EB US-1 RIGHT TURN TO SB S ALHAMBRA CIR

SHEET NO.

ASSET ID 3669

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3669 **- US-1 & Alhambra Cir S**					
425 1481	INLETS, CURB, TYPE 8, <10'	EA	$16,738.50	1	$16,738.50
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	1	$486.59
-	CONTINGENCY	15%	$2,583.76		$2,583.76
0101 1	MOBILIZATION	10%	$1,722.51		$1,722.51
0102 1	MOT	10%	$1,722.51		$1,722.51
			TOTAL		$23,253.87



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

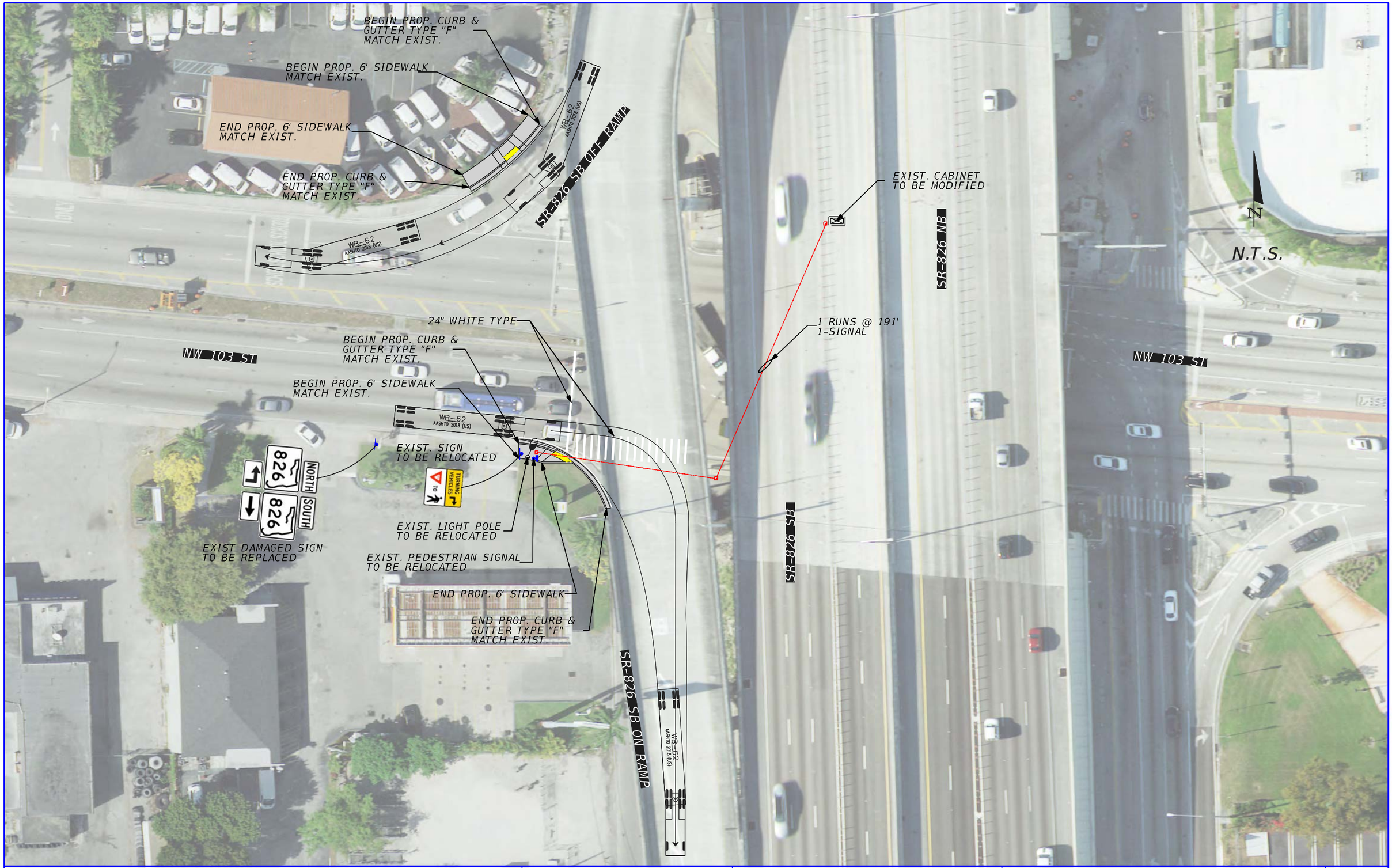
NB SW 122 AVE RIGHT TURN TO EB SW 8 ST

SHEET NO.

ASSET ID 3730

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3730 **- SW 8 St & SW 122 Av**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.022	$1,148.91
160 4	TYPE B STABILIZATION	SY	$1.41	106	$149.46
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	106	$2,924.54
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	6	$979.26
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	6	$1,181.58
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	86	$4,429.86
520 2 4	CONCRETE CURB, TYPE D	LF	$31.07	77	$2,392.39
520 5 12	TRAFFIC SEPARATOR CONCRETE-TYPE I, 6' WIDE	LF	$142.89	35	$5,001.15
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	111	$6,900.87
527 2	DETECTABLE WARNINGS	SF	$34.26	22	$753.72
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	160	$6,096.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	3	$4,227.60
641 2 14	PRESTRESSED CONCRETE POLE, F&I, TYPE P-IV	EA	$12,132.00	1	$12,132.00
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	1	$2,219.69
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
706 1 1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	EA	$7.50	12	$90.00
711 11 102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM	$7,880.69	0.03	$236.42
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	985	$2,501.90
711 11 124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$4.01	24	$96.24
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	107	$568.17
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.026	$143.93
711 16 201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	$5,635.20	0.002	$11.27
-	CONTINGENCY	15%	$8,910.66		$8,910.66
0101 1	MOBILIZATION	10%	$5,940.44		$5,940.44
0102 1	MOT	10%	$5,940.44		$5,940.44
			TOTAL		$80,195.98



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

SB SR-826 OFF RAMP RIGHT TURN TO WB NW 103 ST
EB NW 103 ST RIGHT TURN TO SB SR 826 ON RAMP

SHEET NO.

ASSET ID 3917

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3917 **- NW 103 St & SR- 826 W**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.009	$470.01
160 4	TYPE B STABILIZATION	SY	$1.41	7	$9.87
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	7	$303.31
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	0.38	$61.12
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	0.38	$74.83
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	45	$1,701.90
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	28	$1,740.76
527 2	DETECTABLE WARNINGS	SF	$34.26	10	$342.60
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	180	$6,858.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	3	$4,227.60
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	1	$2,219.69
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	2	$976.42
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	72	$213.12
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	107	$568.17
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.005	$28.46
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.58	13	$7.54
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$2,381.17	1	$2,381.17
-	CONTINGENCY	15%	$4,057.76		$4,057.76
0101 1	MOBILIZATION	10%	$2,705.17		$2,705.17
0102 1	MOT	10%	$2,705.17		$2,705.17
			TOTAL		$36,519.84

R/W LINE

R/W LINE

R/W LINE

N

N.T.S.

W 49 ST

WB-62FL
FDOT 2016 (US)

R5-2
24" X 24"
M6-1
18" X 24"

TRUCKS WILL BE
REROUTED THROUGH
W 17 CT

W 18 CT

W 49 ST

W 18 CT

W 17 CT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

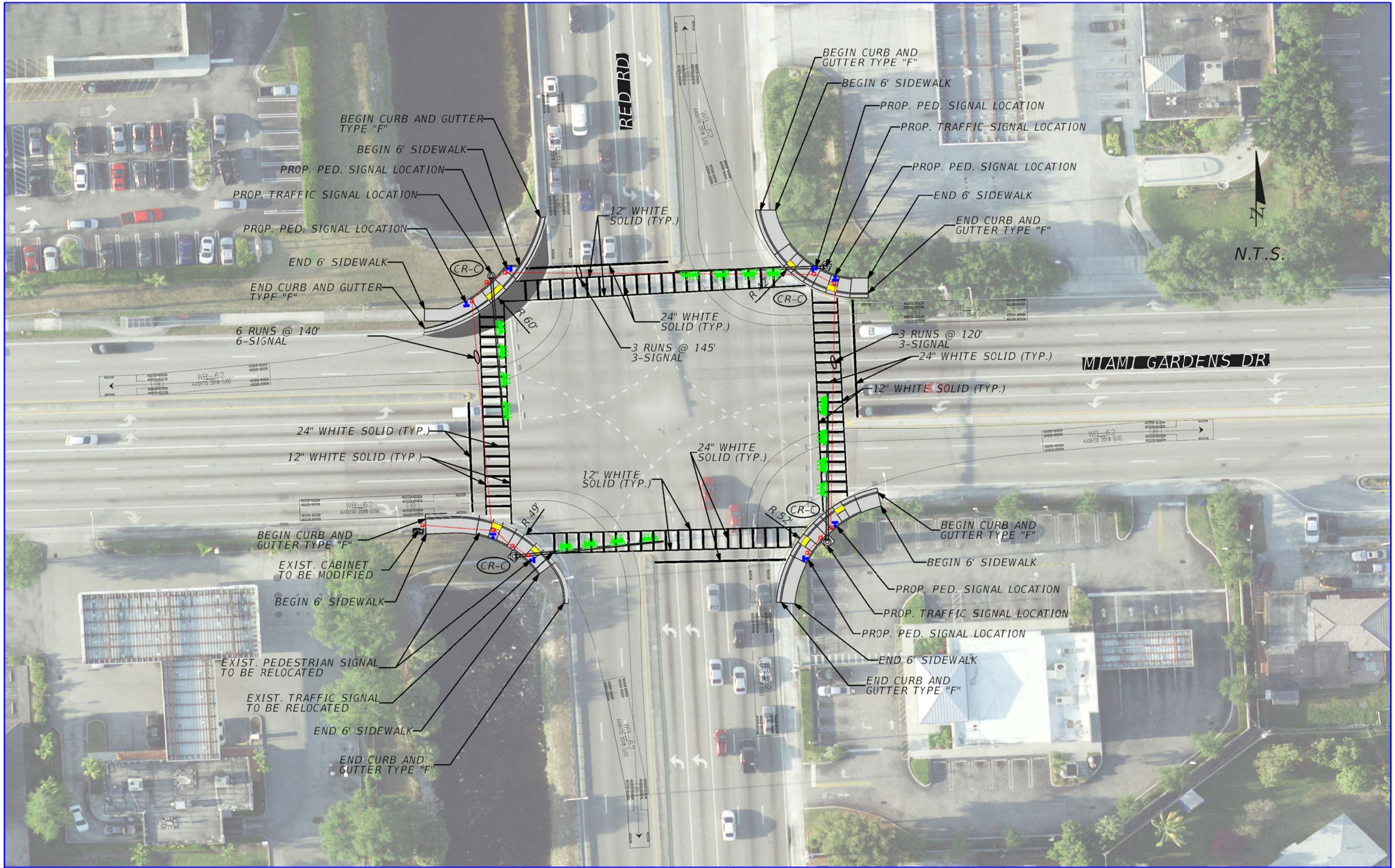
OWNER:

EB W 49 ST RIGHT TURN TO SB W 18 CT

SHEET NO.

ASSET ID 4109

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 4109 **- W 49 St & W 18 Ct**					
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	1	$488.21
-	CONTINGENCY	15%	$73.23		$73.23
0101 1	MOBILIZATION	10%	$48.82		$48.82
0102 1	MOT	10%	$48.82		$48.82
			TOTAL		$659.08



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

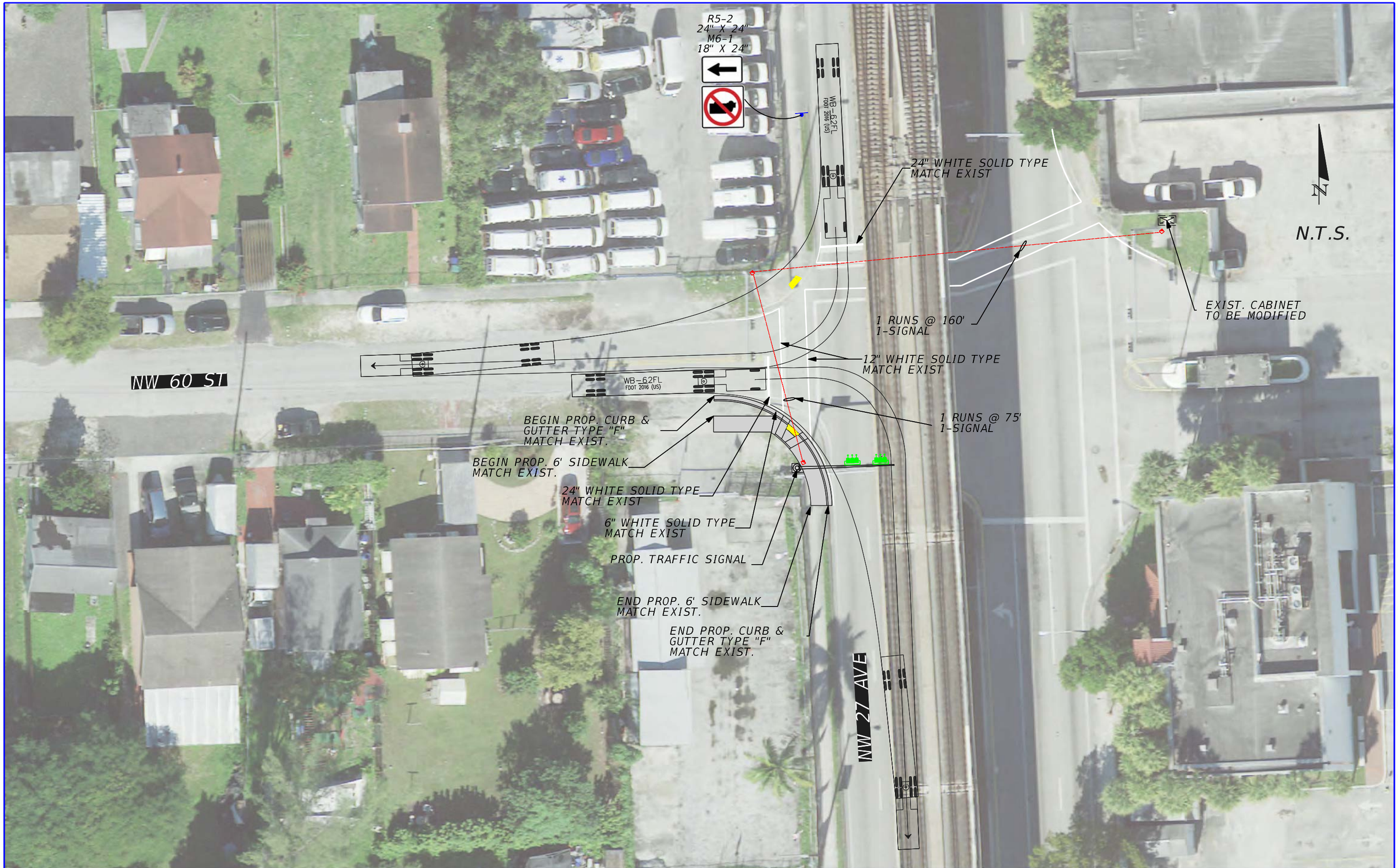
SB RED RD. RIGHT TURN TO WB MIAMI GARDENS DR.
WB MIAMI GARDENS DR. RIGHT TURN TO NB RED RD.
EB MIAMI GARDENS DR. RIGHT TURN TO SB RED RD.
NB RED RD. RIGHT TURN TO EB MIAMI GARDENS DR.

SHEET NO.

ASSET ID 4264

$USERS $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 4264 **- Red Rd & Miami Gardens Dr**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.21	$10,966.88
160 4	TYPE B STABILIZATION	SY	$1.41	395	$556.95
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	395	$10,898.05
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	22	$3,590.62
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	22	$4,332.46
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$6,010.00	270	$1,622,700.00
520 2 4	CONCRETE CURB, TYPE D	LF	$51.51	210	$10,817.10
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	190	$11,812.30
527 2	DETECTABLE WARNINGS	SF	$34.26	75	$2,569.50
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	405	$15,430.50
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	12	$16,910.40
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	8	$17,757.52
649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	$90,011.94	4	$360,047.76
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	12	$18,727.68
650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	4	$7,676.72
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	8	$10,487.28
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	8	$3,452.72
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	2	$973.18
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	4	$16,017.24
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	780	$1,981.20
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	1001	$5,315.31
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.109	$603.38
-	CONTINGENCY	15%	$323,565.26		$323,565.26
0101 1	MOBILIZATION	10%	$215,710.17		$215,710.17
0102 1	MOT	10%	$215,710.17		$215,710.17
			TOTAL		$2,912,087.33



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

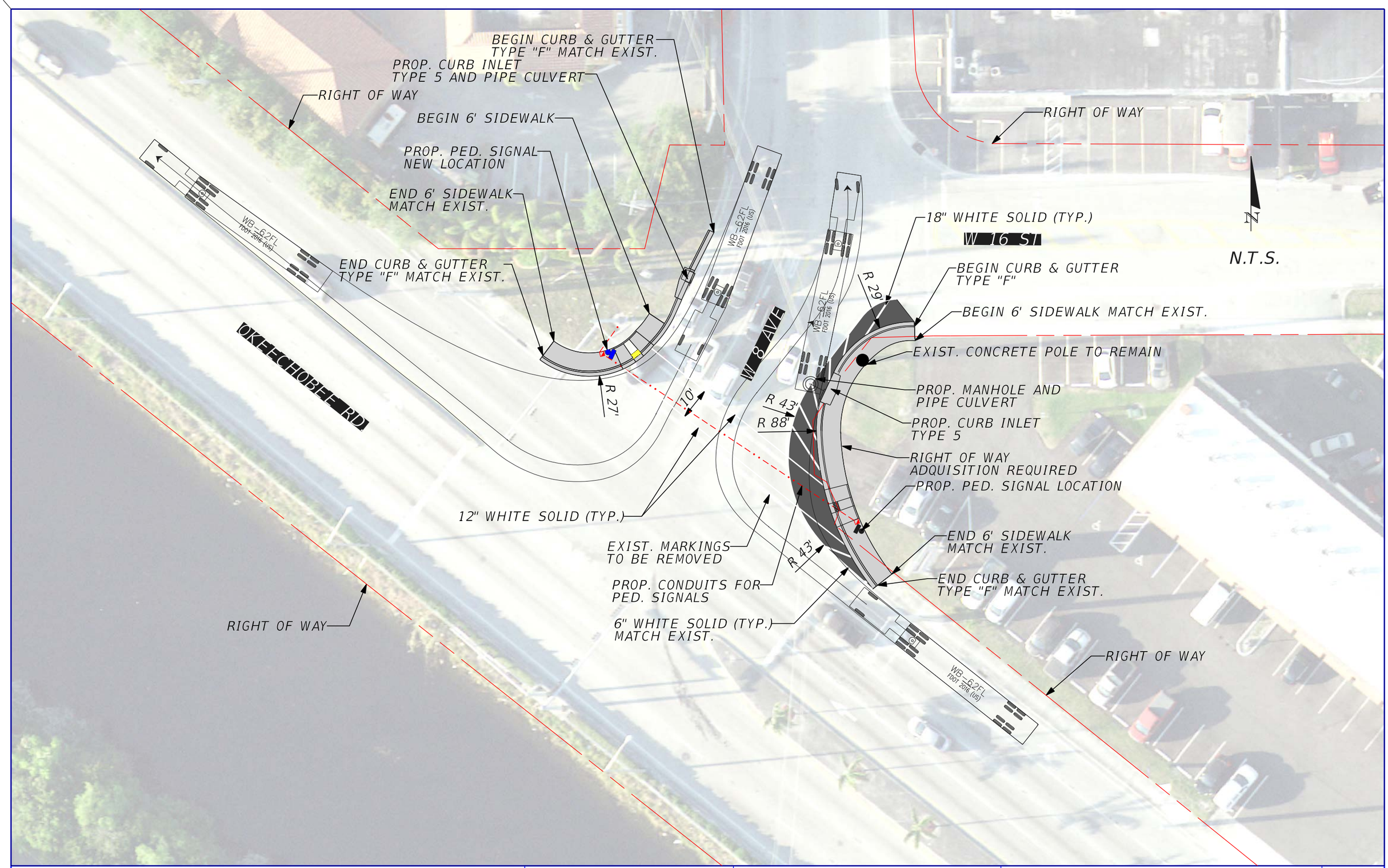
SB NW 27 AVE RIGHT TURN TO WB NW 60 ST
NB NW 27 AVE RIGHT TURN TO EB NW 60 ST

SHEET NO.

ASSET ID 4300

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 4300 **- NW 27 Av & NW 60 St**					
0102 1	MAINTENANCE OF TRAFFIC	LS	$761.76	1	$761.76
0110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.015	$833.60
0160 4	TYPE B STABILIZATION	SY	$1.36	28	$38.08
0285706	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	28	$1,213.24
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	3	$482.49
0337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	3	$590.79
0520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	66	$2,500.74
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	40	$2,485.60
0522 2	DETECTABLE WARNINGS	SF	$78.71	14	$1,101.94
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.18	230	$8,781.40
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,410.59	3	$4,231.77
0649 21 3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	$69,241.62	1	$69,241.62
0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	1	$1,560.64
0650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	1	$1,919.18
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	1	$488.21
0700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	256	$757.76
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	50	$265.50
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.053	$301.67
-	CONTINGENCY	15%	$15,585.93		$15,585.93
0101 1	MOBILIZATION	10%	$10,390.62		$10,390.62
0102 1	MOT	10%	$10,390.62		$10,390.62
			TOTAL		$140,273.38



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

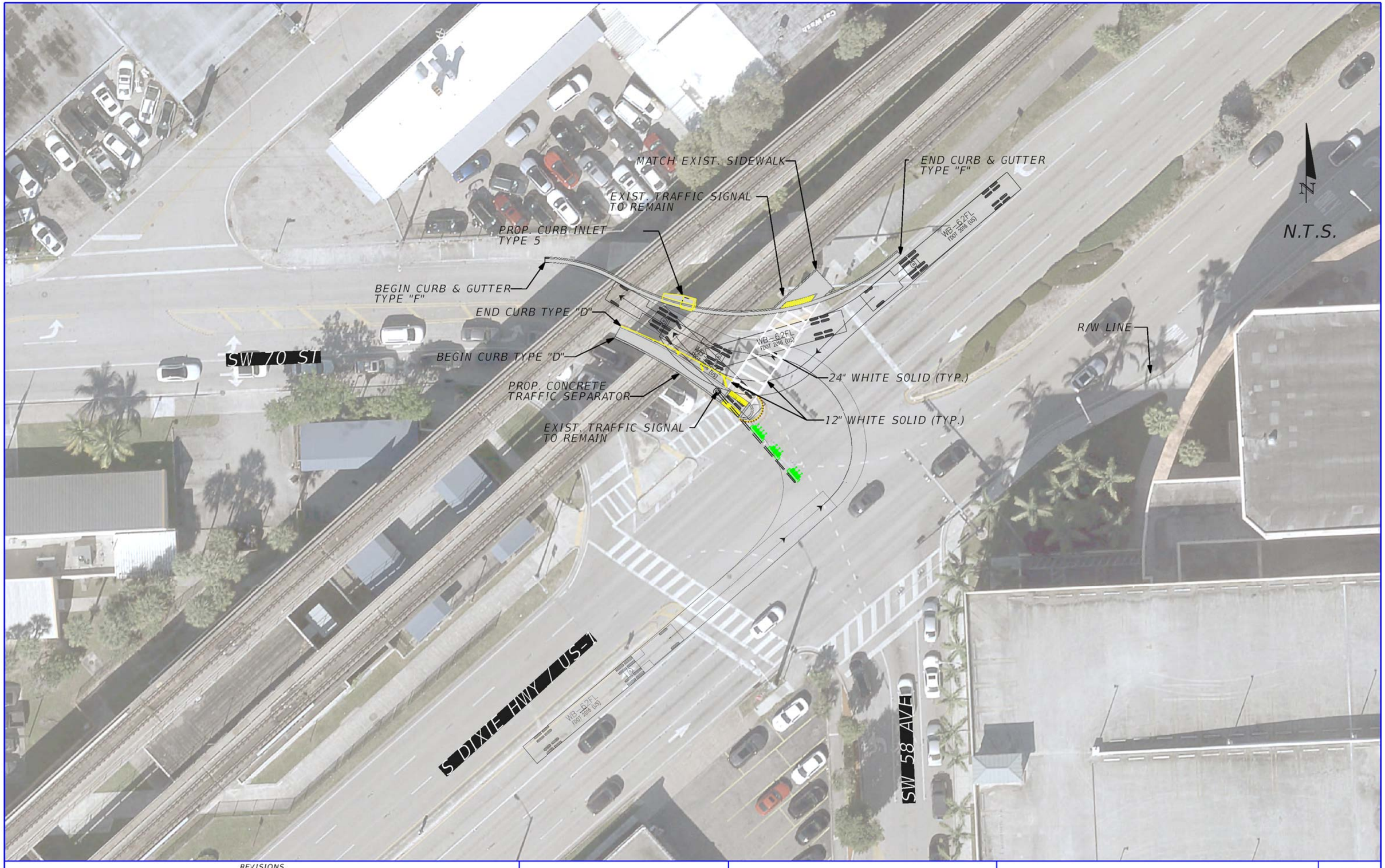
WB OKEECHOBEE RD RIGHT TURN TO NB W 8 AVE
SB W 8 AVE RIGHT TURN TO WB OKEECHOBEE RD

SHEET NO.

ASSET ID 4411

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 4411 **- Okeechobee Rd & W 8 Av**					
0110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.128	$7,113.40
0160 4	TYPE B STABILIZATION	SY	$1.36	150	$204.00
0285706	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	150	$6,499.50
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	11	$1,769.13
0337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	11	$2,166.23
425 11		EA	$9,000.00	2	$18,000.00
0425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	2	$12,020.00
430 174 118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	$177.81	15	$2,667.15
0520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	190	$7,199.10
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	273	$16,964.22
0522 2	DETECTABLE WARNINGS	SF	$78.71	61	$4,801.31
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$42.68	120	$5,121.60
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,541.98	2	$3,083.96
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	2	$4,439.38
0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	2	$2,621.82
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	2	$863.18
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	175	$518.00
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$4.02	100	$402.00
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.076	$432.58
0711 17 1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	SF	$1.91	175	$334.25
-	CONTINGENCY	15%	$14,583.12		$14,583.12
0101 1	MOBILIZATION	10%	$9,722.08		$9,722.08
0102 1	MOT	10%	$9,722.08		$9,722.08
			TOTAL		$131,248.09



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

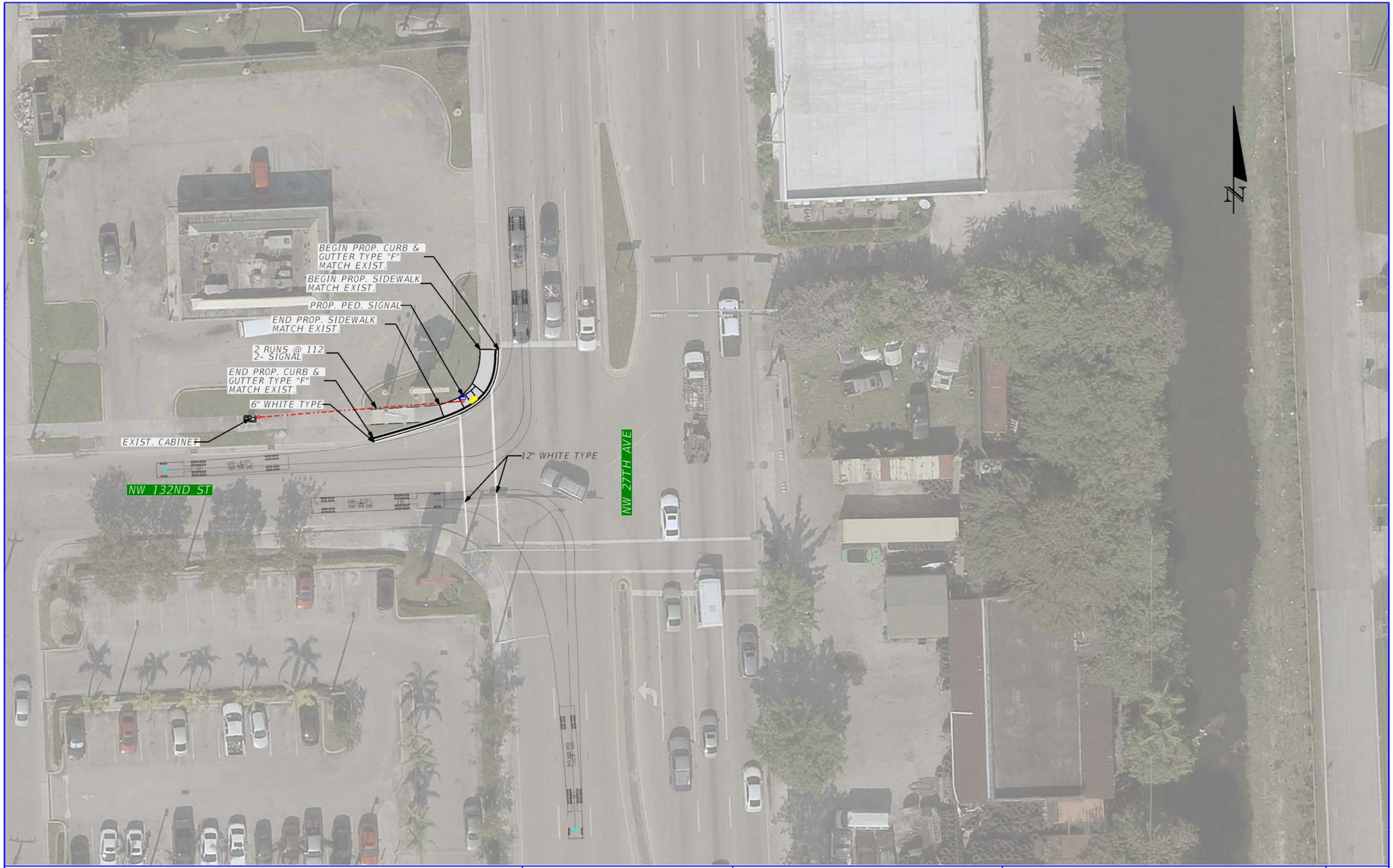
NB US-1 LEFT TURN TO WB SW 70 ST
SB US-1 RIGHT TURN TO WB SW 70 ST

SHEET NO.

ASSET ID 4491

$USERS $DATES $TIMES $FILES

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 4491 **- US-1 & SW 58 Av & SW 70 St**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.032	$1,671.14
160 4	TYPE B STABILIZATION	SY	$1.41	67.11	$94.63
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	67.11	$1,851.56
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	3.69	$602.24
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	67.11	$13,215.97
425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	1	$6,010.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	120	$4,538.40
520 2 4	CONCRETE CURB, TYPE D	LF	$31.07	126	$3,914.82
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	21	$1,305.57
527 2	DETECTABLE WARNINGS	SF	$34.26	57	$1,952.82
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	$4.20	17	$71.40
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	82	$208.28
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	102	$541.62
711 11 224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.14	12	$49.68
711 16 201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	$5,635.20	0.013	$73.26
-	CONTINGENCY	15%	$5,532.02		$5,532.02
0101 1	MOBILIZATION	10%	$3,688.02		$3,688.02
0102 1	MOT	10%	$3,688.02		$3,688.02
			TOTAL		$49,788.21



REVISIONS					STATE OF FLORIDA			NW 27 AVE & NW 132 ST ASSET ID 4545	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		ASSET 4545

$USER$ $DATE$ $T!ME$ $MODELNAME$ $FILE$

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	SUB-TOTAL
ASSET ID 4545 - NW 27 Av & NW 132 St					
ROADWAY					
110 1 1	CLEARING & GRUBBING	AC	0.1	$ 33,000.00	$ 3,300.00
110 4 10	REMOVAL OF EXISTING CONCRETE	SY	22	$ 30.00	$ 660.00
337 7 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	0.66	$ 175.00	$ 115.50
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	104	$ 80.00	$ 8,320.00
527 2	DETECTABLE WARNINGS	SF	8	$ 40.00	$ 320.00
520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	92	$ 40.00	$ 3,680.00
SIGNALIZATION					
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	112	$ 38.18	$ 4,276.16
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	2	$ 1,410.59	$ 2,821.18
0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	1	$ 1,310.91	$ 1,310.91
SIGNING AND PAVEMENT MARKINGS					
711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	450	$ 6.00	$ 2,700.00
711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	672	$ 3.00	$ 2,016.00
711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.013	$ 5,700.00	$ 74.10
				SUB-TOTAL PROJECT	**$ 29,593.85**
				MAINTENANCE OF TRAFFIC (10%)	$ 2,959.39
				MOBILIZATION (10%)	$ 2,959.39
				CONTIGENCY(10%)	$ 2,959.39
				DESIGN(30%)	$ 8,878.16
				CEI (20%)	$ 5,918.77
				ESTIMATED CONSTRUCTION GRAND TOTAL	**$ 53,268.93**

RED RD

N.T.S.

BEGIN CURB & GUTTER TYPE "F"

BEGIN GUARDRAIL

EXIST. TRAFFIC SIGNAL TO BE RELOCATED

END GUARDRAIL

END CURB & GUTTER TYPE "F"

24" WHITE SOLID TYPE

1 RUNS @ 220'
1-SIGNAL

EXIST. CABINET TO BE MODIFIED

WB-62FL
FOOT ZONE (US)

NW 163 ST

R5-2
24" X 24"
M6-1
18" X 24"

TRUCKS WILL BE REROUTED THROUGH NW 167 STREET EB (SEE INSET)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

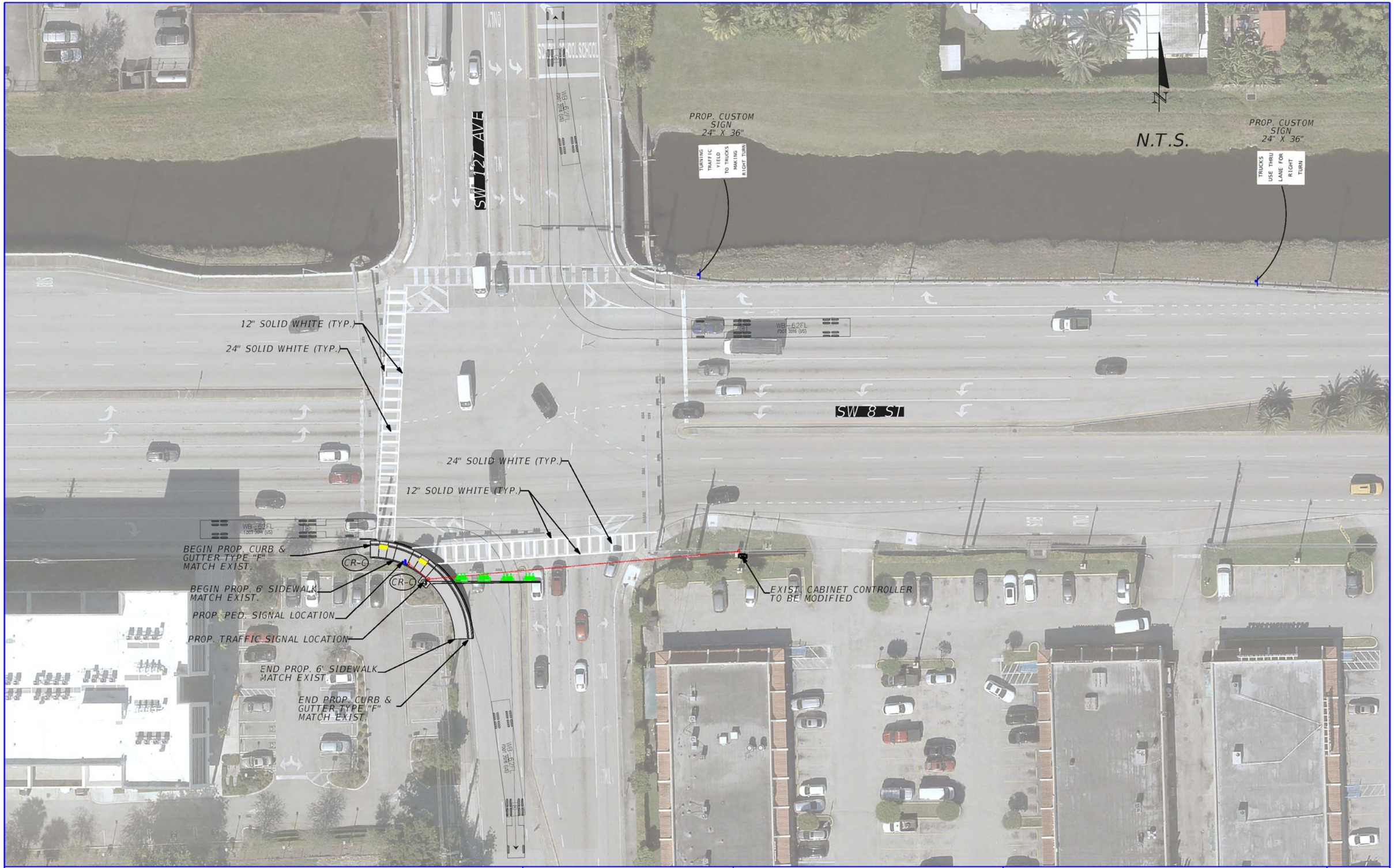
SB RED RD RIGHT TURN TO WB NW 163 ST
NB RED RD RIGHT TURN TO EB NW 163 ST

SHEET NO.

ASSET ID
4643

SUSERS SDATES STIMES SFILES

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 4643 **- Red Rd & NW 163 St**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.15	$7,833.49
160 4	TYPE B STABILIZATION	SY	$1.41	433	$610.53
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	433	$11,946.47
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	24	$3,917.04
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	24	$4,726.32
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	676	$34,820.76
520 2 4	CONCRETE CURB, TYPE D	LF	$31.07	80	$2,485.60
536 1 1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	$26.41	154	$4,067.14
536 73	GUARDRAIL REMOVAL	LF	$2.21	177	$391.17
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	220	$8,382.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	3	$4,227.60
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	1	$2,219.69
649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	1	$67,972.67
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	1	$1,560.64
650 1 16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	$1,824.40	1	$1,824.40
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	50	$265.50
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.02	$110.71
-	CONTINGENCY	15%	$24,987.83		$24,987.83
0101 1	MOBILIZATION	10%	$16,658.55		$16,658.55
0102 1	MOT	10%	$16,658.55		$16,658.55
			TOTAL		$224,890.44



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

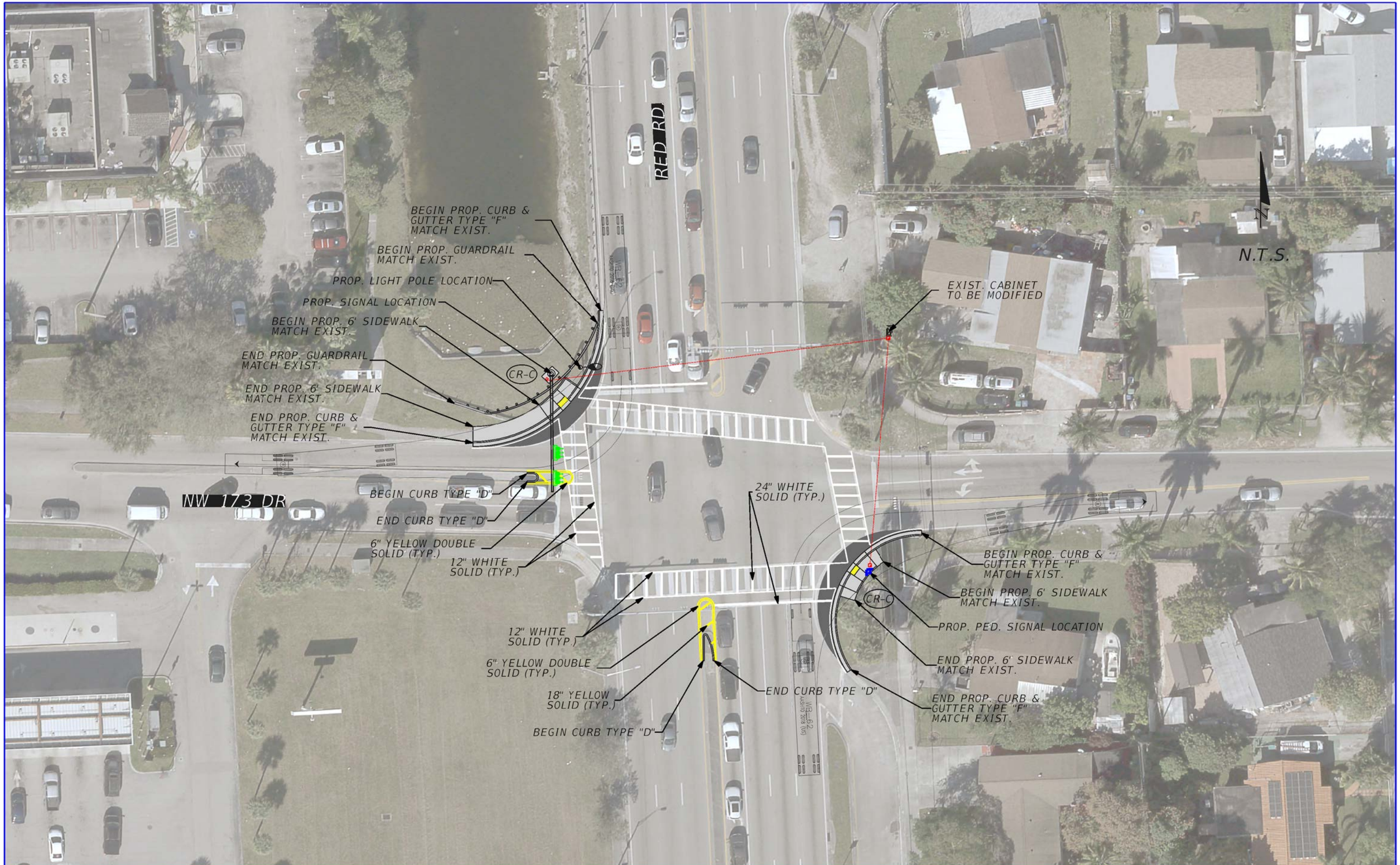
NB SW 127 AVE RIGHT TURN TO EB SW 8 ST
WB SW 8 ST RIGHT TURN TO NB SW 127 AVE

SHEET NO.

ASSET ID 5130

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 5130 **- SW 8 St & SW 127 Av**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.032	$1,671.14
160 4	TYPE B STABILIZATION	SY	$1.41	38	$53.58
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	38	$1,048.42
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	2	$326.42
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	2	$393.86
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	70	$3,605.70
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	60	$3,730.20
527 2	DETECTABLE WARNINGS	SF	$34.26	20	$685.20
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	155	$5,905.50
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	3	$4,227.60
649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	$90,011.94	1	$90,011.94
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	4	$6,242.56
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	2	$973.18
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	452	$1,148.08
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	410	$2,177.10
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.021	$116.25
-	CONTINGENCY	15%	$19,731.08		$19,731.08
0101 1	MOBILIZATION	10%	$13,154.05		$13,154.05
0102 1	MOT	10%	$13,154.05		$13,154.05
			TOTAL		$177,579.69



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

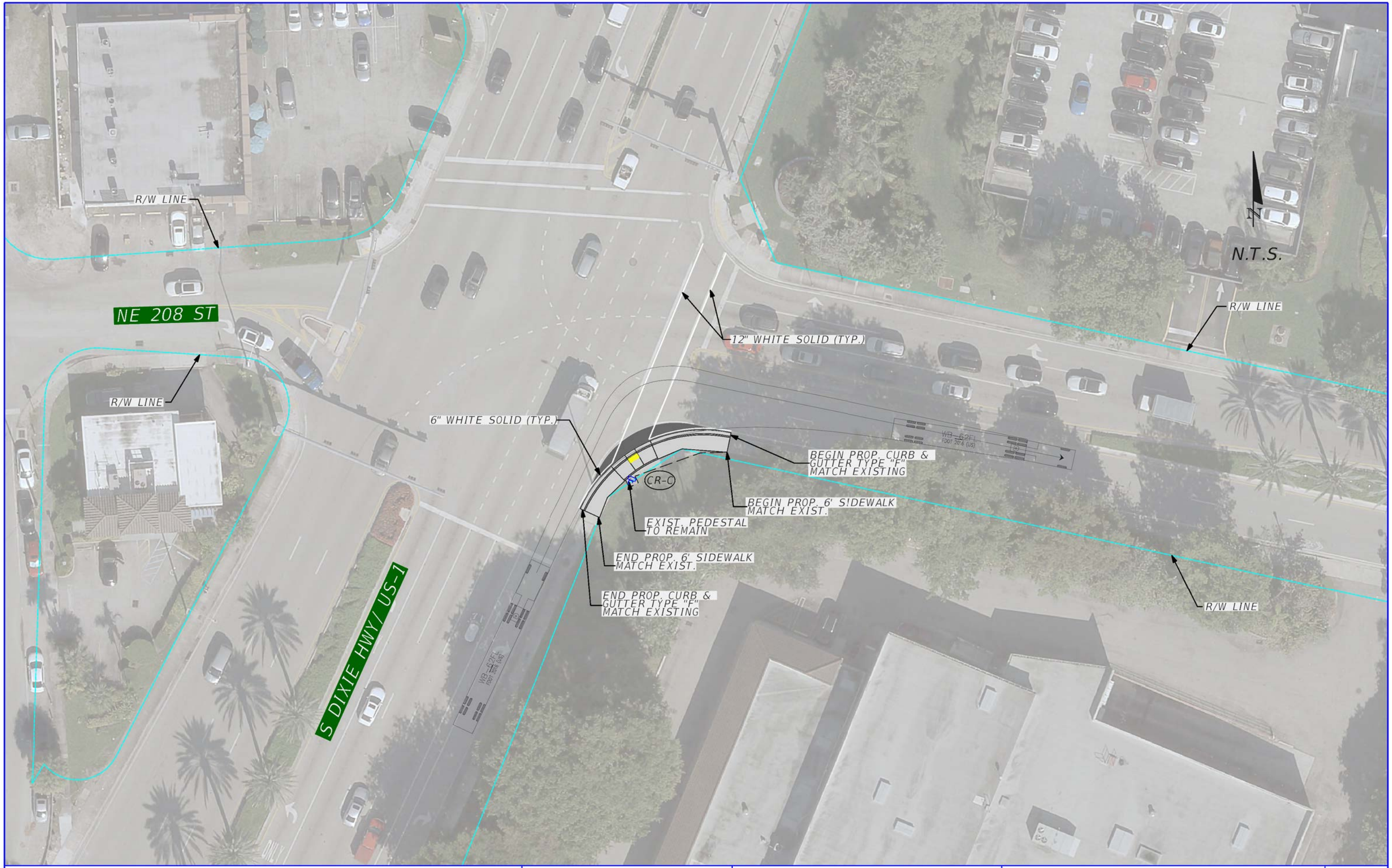
SB RED RD RIGHT TURN TO WB NW 173 DR
NB RED RD RIGHT TURN TO EB NW 173 DR

SHEET NO.

ASSET ID 5210

$USERS $DATES $TIMES $FILES

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 5210 **- Red Rd & NW 173 Dr**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.081	$4,230.08
160 4	TYPE B STABILIZATION	SY	$1.41	235	$331.35
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	235	$6,483.65
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	13	$2,121.73
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	13	$2,560.09
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	157	$8,087.07
520 2 4	CONCRETE CURB, TYPE D	LF	$31.07	204	$6,338.28
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	137	$8,517.29
527 2	DETECTABLE WARNINGS	SF	$34.26	37	$1,267.62
536 1 1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	$26.41	75	$1,980.75
536 73	GUARDRAIL REMOVAL	LF	$2.21	80	$176.80
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	230	$8,763.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	3	$4,227.60
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	1	$2,219.69
649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	1	$67,972.67
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	2	$3,121.28
653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAY	AS	$1,948.49	1	$1,948.49
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	560	$1,422.40
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	600	$3,186.00
711 11 224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.01	72	$288.72
711 11 224	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.14	129	$534.06
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.049	$271.25
711 16 201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	$5,635.20	0.1014	$571.41
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.35	7	$2.45
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$3,856.14	1	$3,856.14
-	CONTINGENCY	15%	$22,258.91		$22,258.91
0101 1	MOBILIZATION	10%	$14,839.27		$14,839.27
0102 1	MOT	10%	$14,839.27		$14,839.27
			TOTAL		$200,330.20



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

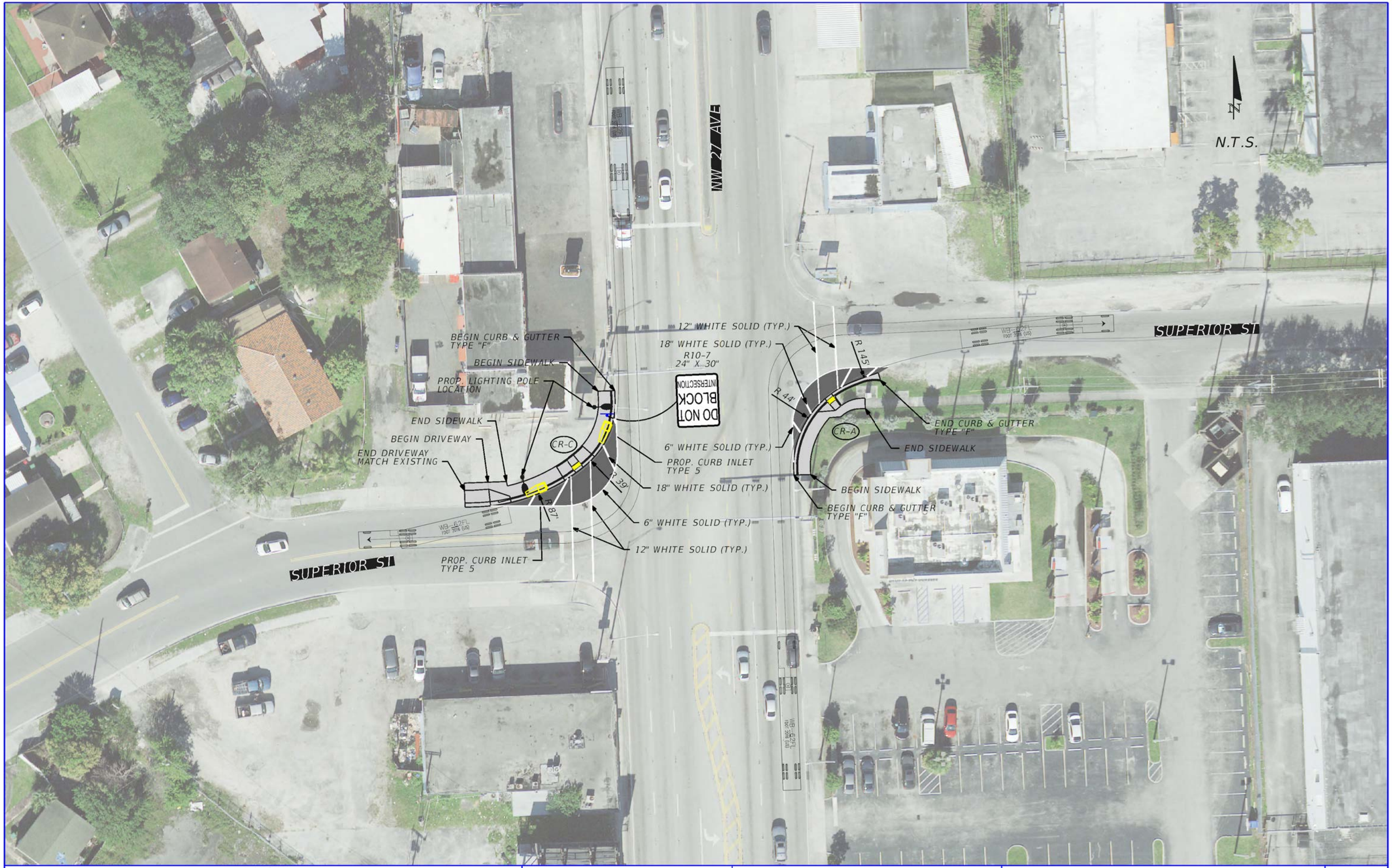
NB US-1 RIGHT TURN TO EB NE 208 ST

SHEET NO.

ASSET ID 5267

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 5267 **- US-1 & NE 208 St**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.011	$574.46
160 4	TYPE B STABILIZATION	SY	$1.41	24	$33.84
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	24	$662.16
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	1	$163.21
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	1	$196.93
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	70	$3,605.70
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	43	$2,673.31
527 2	DETECTABLE WARNINGS	SF	$34.26	10	$342.60
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	177	$449.58
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.011	$60.89
-	CONTINGENCY	15%	$76.57		$76.57
0101 1	MOBILIZATION	10%	$51.05		$51.05
0102 1	MOT	10%	$51.05		$51.05
			TOTAL		$9,720.10



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:

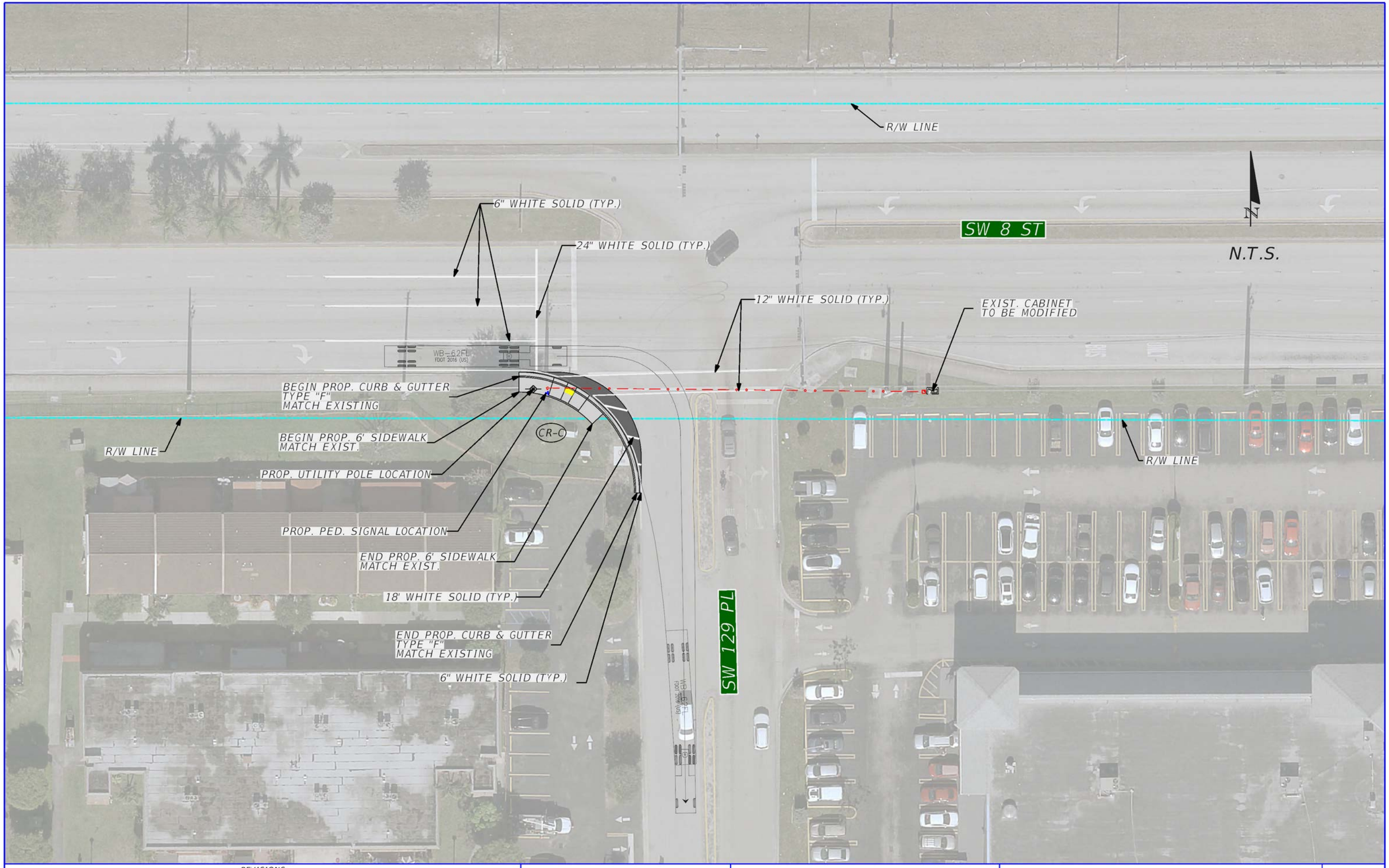
SB NW 27 AVE RIGHT TURN TO WB SUPERIOR ST
NB NW 27 AVE RIGHT TURN TO EB SUPERIOR ST

SHEET NO.

ASSET ID 5319

$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 5319 **- NW 27 Av & Superior St**					
0102 1	MAINTENANCE OF TRAFFIC	LS	$761.76	1	$761.76
0110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.054	$3,000.97
0160 4	TYPE B STABILIZATION	SY	$1.36	117	$159.12
0285706	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	117	$5,069.61
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	6.5	$1,045.40
0337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	6.5	$1,280.05
0425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	2	$12,020.00
0520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	150	$5,683.50
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	89	$5,530.46
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	$78.71	22	$1,731.62
0527 2	DETECTABLE WARNINGS	SF	$34.26	17	$582.42
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.18	30	$1,145.40
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	1	$488.21
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	196	$580.16
0711 11224	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$4.14	50	$207.00
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.034	$193.52
0715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.58	30	$17.40
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$2,381.17	2	$4,762.34
-	CONTINGENCY	15%	$6,638.84		$6,638.84
0101 1	MOBILIZATION	10%	$4,425.89		$4,425.89
0102 1	MOT	10%	$4,425.89		$4,425.89
			TOTAL		$59,749.55



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
CERTIFICATE OF AUTHORIZATION NO.: 29379
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

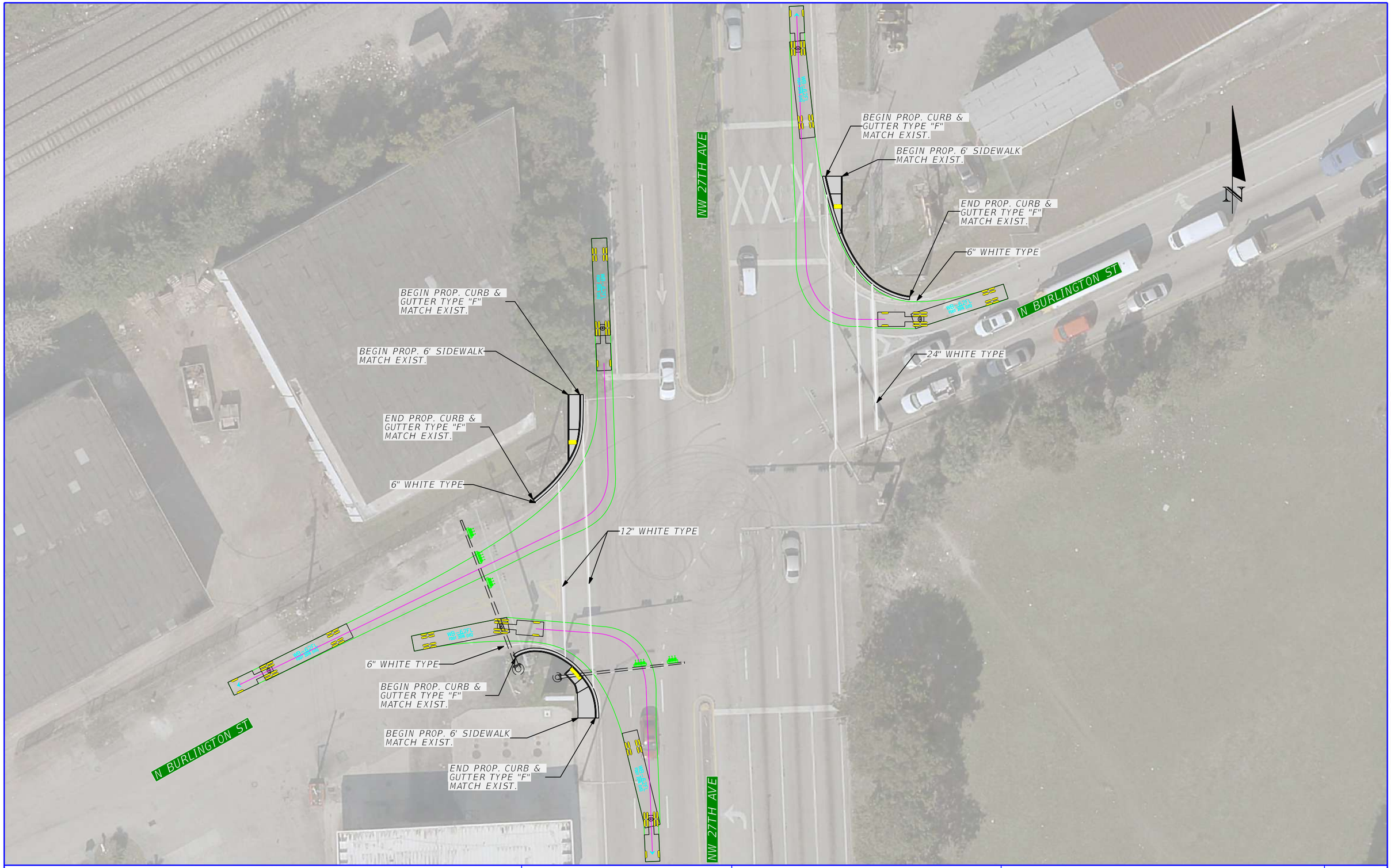
EB SW 8 ST RIGHT TURN TO SB SW 129 PL

SHEET NO.

ASSET ID 5984

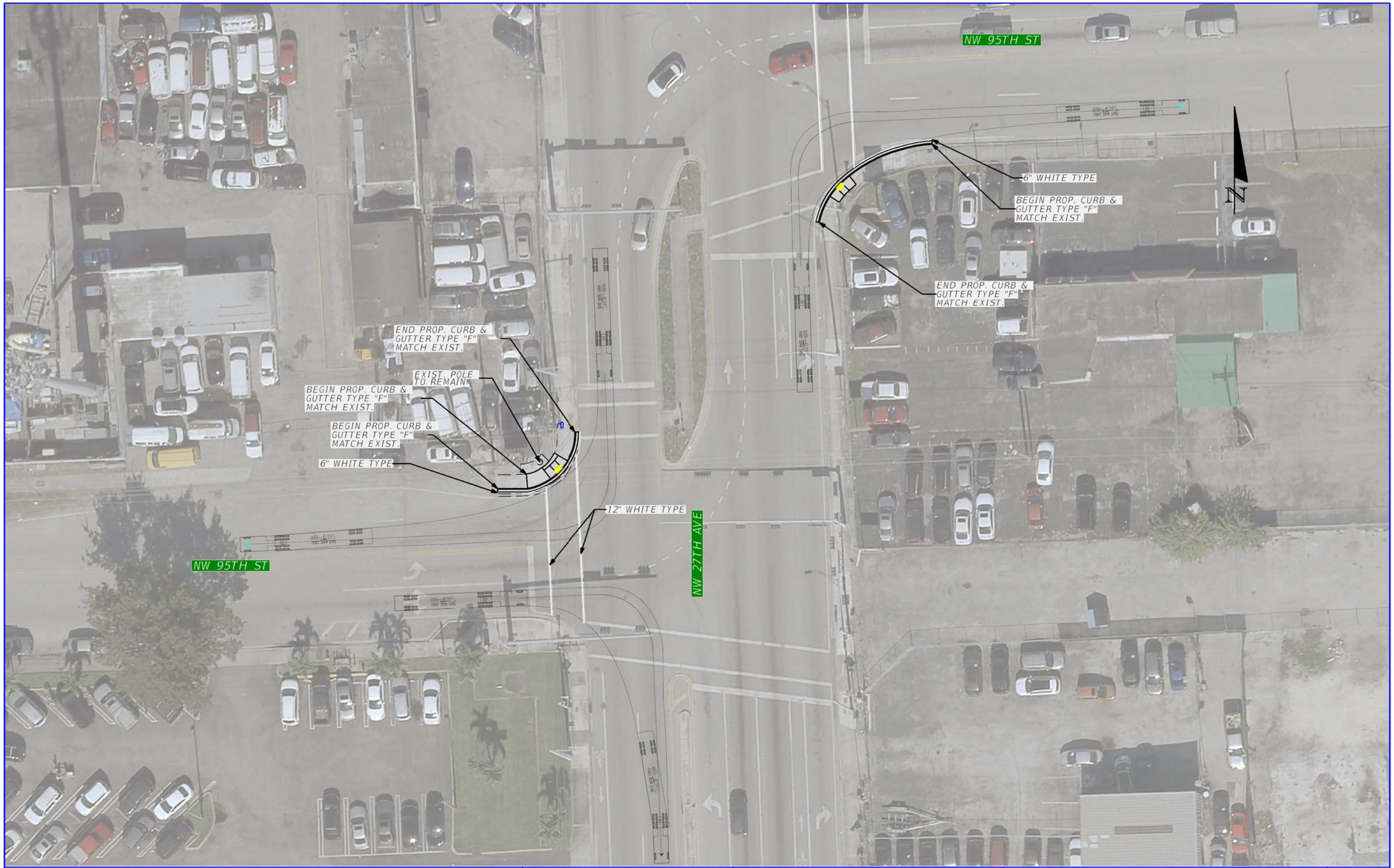
$USER$ $DATE$ $TIME$ $FILE$

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 5984 **- SW 8 St & SW 129 Pl**					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.03	$1,566.70
160 4	TYPE B STABILIZATION	SY	$1.41	65	$91.65
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	65	$2,816.45
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	4	$643.32
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	4	$787.72
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	303	$11,459.46
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	47	$2,921.99
527 2	DETECTABLE WARNINGS	SF	$78.84	17	$1,340.28
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$34.26	150	$5,139.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$38.10	2	$76.20
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	324	$822.96
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	99	$525.69
711 11 224	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.01	17	$68.17
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.023	$127.32
-	CONTINGENCY	15%	$4,988.11		$4,988.11
0101 1	MOBILIZATION	10%	$3,325.41		$3,325.41
0102 1	MOT	10%	$3,325.41		$3,325.41
			TOTAL		$44,893.00



REVISIONS					STATE OF FLORIDA			NW 27 AVE & BURLINGTON S ASSET ID 6162	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		Asset ID 6162

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 6162 **- NW 27 Av & Burlington St & SR- 9 SB**					
102 1	MAINTENANCE OF TRAFFIC	LS	$761.76	1	$761.76
110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.143	$7,947.01
160 4	TYPE B STABILIZATION	SY	$1.36	61	$82.96
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	61	$2,643.13
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	0.7	$112.58
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	0.7	$137.85
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	237	$8,979.93
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	112	$6,959.68
527 2	DETECTABLE WARNINGS	SF	$78.71	40	$3,148.40
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.18	200	$7,636.00
0665 1 13	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD BUTTON WITH PASSIVE	EA	$431.59	2	$863.18
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,410.59	4	$5,642.36
635 2 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	$2,794.99	1	$2,794.99
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	1	$2,219.69
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5140	TRAFFIC CONTROLLER ASSEMBLY, FURNISH & INSTALL MODEL 2070	AS	$44,000.16	1	$44,000.16
670 5600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	$1,239.64	1	$1,239.64
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	1	$488.21
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	476	$1,408.96
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	82	$435.42
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.065	$369.97
-	CONTINGENCY	15%	$15,542.80		$15,542.80
0101 1	MOBILIZATION	10%	$10,361.87		$10,361.87
0102 1	MOT	10%	$10,361.87		$10,361.87
			TOTAL		$139,885.23



REVISIONS				STATE OF FLORIDA			NW 27 AVE & NW 95 ST ASSET ID 6498	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		ASSET 6498

$USER$ $DATE$ $TIME$ $MODELNAME$ $FILE$

TABULATION OF QUANTITIES - 6498 - NW 27 Av & NW 95 St					
PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	SUB-TOTAL
	ROADWAY				
110 1 1	CLEARING & GRUBBING	AC	0.1	$ 33,000.00	$ 3,300.00
110 4 10	REMOVAL OF EXISTING CONCRETE	SY	36	$ 30.00	$ 1,080.00
337 7 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	1	$ 175.00	$ 175.00
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	16	$ 93.00	$ 1,488.00
527 2	DETECTABLE WARNINGS	SF	16	$ 40.00	$ 640.00
520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	140	$ 40.00	$ 5,600.00
	SIGNING AND PAVEMENT MARKINGS				
711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	347	$ 3.00	$ 1,041.00
711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.018	$ 5,700.00	$ 102.60
				SUB-TOTAL PROJECT	**$ 13,426.60**
				MAINTENANCE OF TRAFFIC (10%)	$ 1,342.66
				MOBILIZATION (10%)	$ 1,342.66
				CONTIGENCY(10%)	$ 1,342.66
				DESIGN(30%)	$ 4,027.98
				CEI (20%)	$ 2,685.32
				ESTIMATED CONSTRUCTION GRAND TOTAL	**$ 24,167.88**

Appendix H: DSC Presentations

Truck Turning Radii Assessment Phases III & IV

Scoping Committee Presentation

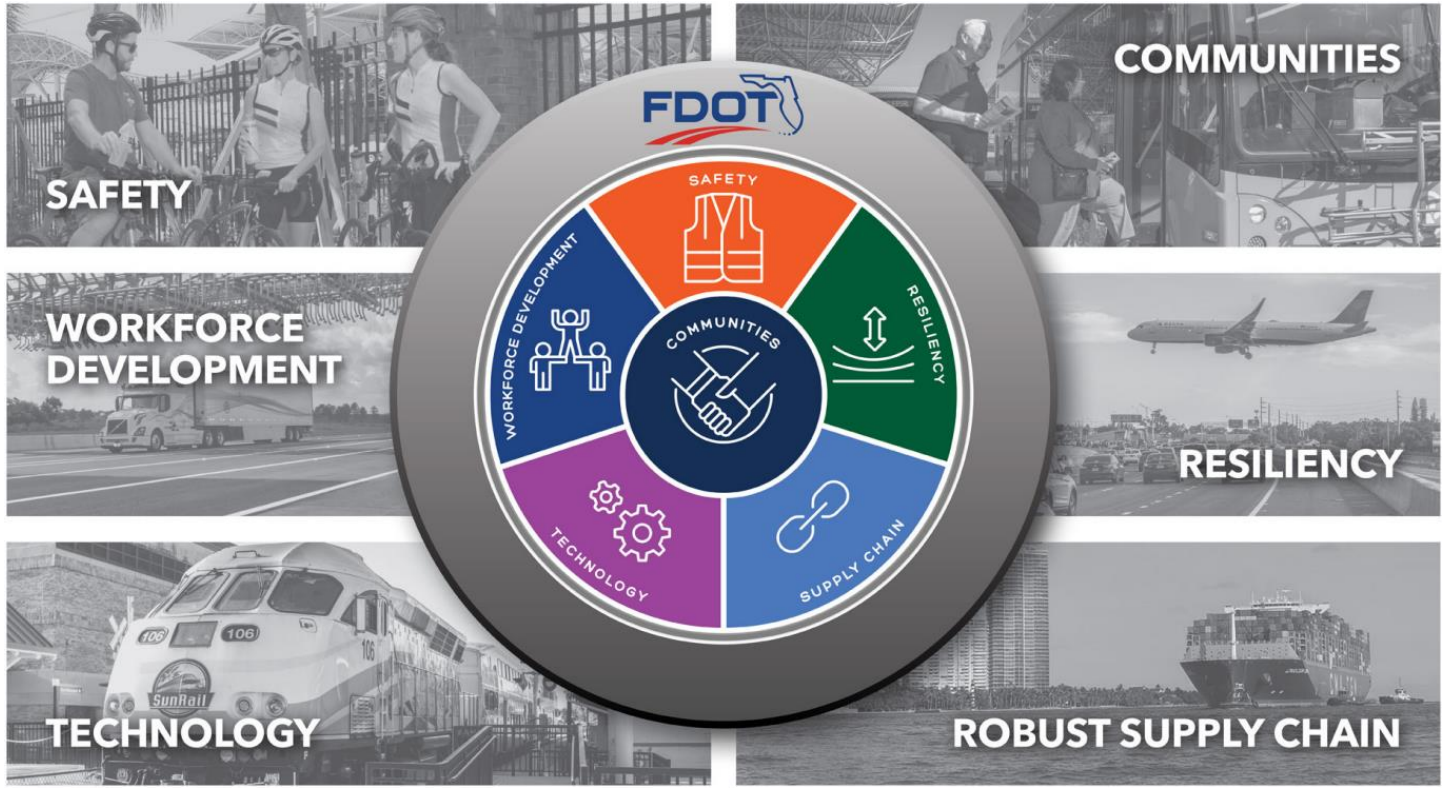
FDOT District Six Modal Development Office
Freight & Federal Grants Coordinator

March 6th , 2024

FDOT Compass and Mission

The Goals and Outcome of this Report Supports the Mission

- Improves roadway safety for all commuters within Miami-Dade County.
- Enhances Freight mobility, increasing resiliency to the supply chain.



Agenda

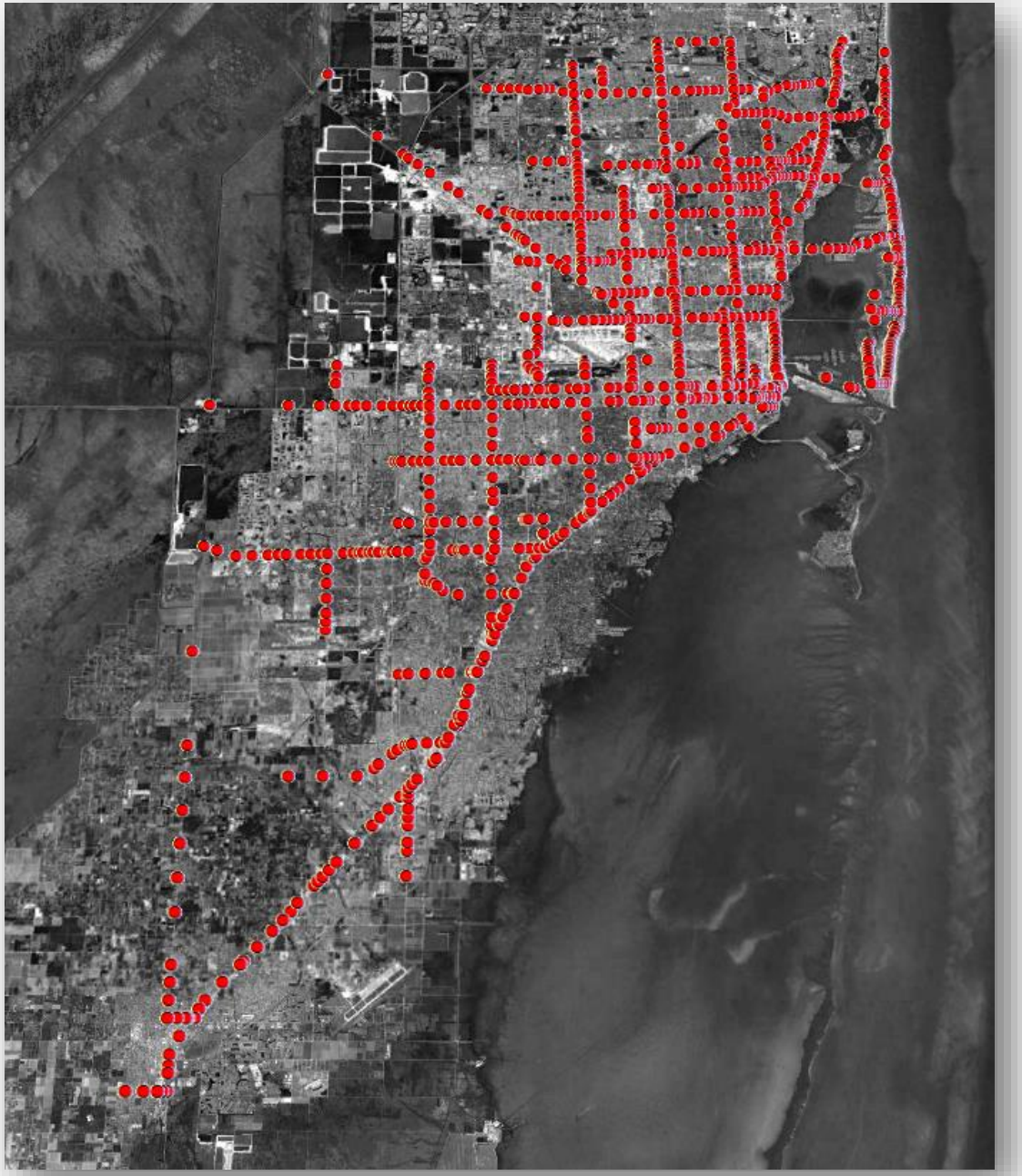
- Introduction
- Overview of the Truck Turn Radii Process
  - Phase I through Phase IV
  - Determination of Final Critical Signalized Intersections
- Project Programming
  - Intersections on the National Highway Freight Network
  - Deficient Locations to Become Stand-Alone Projects – Not on the NHFN.
- Next Steps

INTRODUCTION

- The Truck Turning Radii Assessment objective is to improve safety and mobility for trucks within Miami-Dade County (MDC).
- This was completed by identifying roadway deficiencies at each signalized intersection on the State Highway System (SHS), and then prioritizing the most critical deficiencies for proposed improvements.
- This process consists of 4 Phases, each with its own purpose and goal for meeting the objective.

Phase I
Initial Assessment (2019)

- Phase I identified all signalized intersections along the SHS within MDC (1,177 locations in total).
- These intersections were then cross-referenced against various datasets for scoring and prioritization:
  - Roadways within the NHFN
  - Annual Average Daily Traffic (AADT)
  - Truck Percent (T24)
  - Generalized Level of Service (LOS)
  - High Crash Locations (HCL)
  - High Truck Crash Locations (HTCL)
  - Bottleneck Segments
- Phase I concluded with identifying the top 165 ranked intersections.

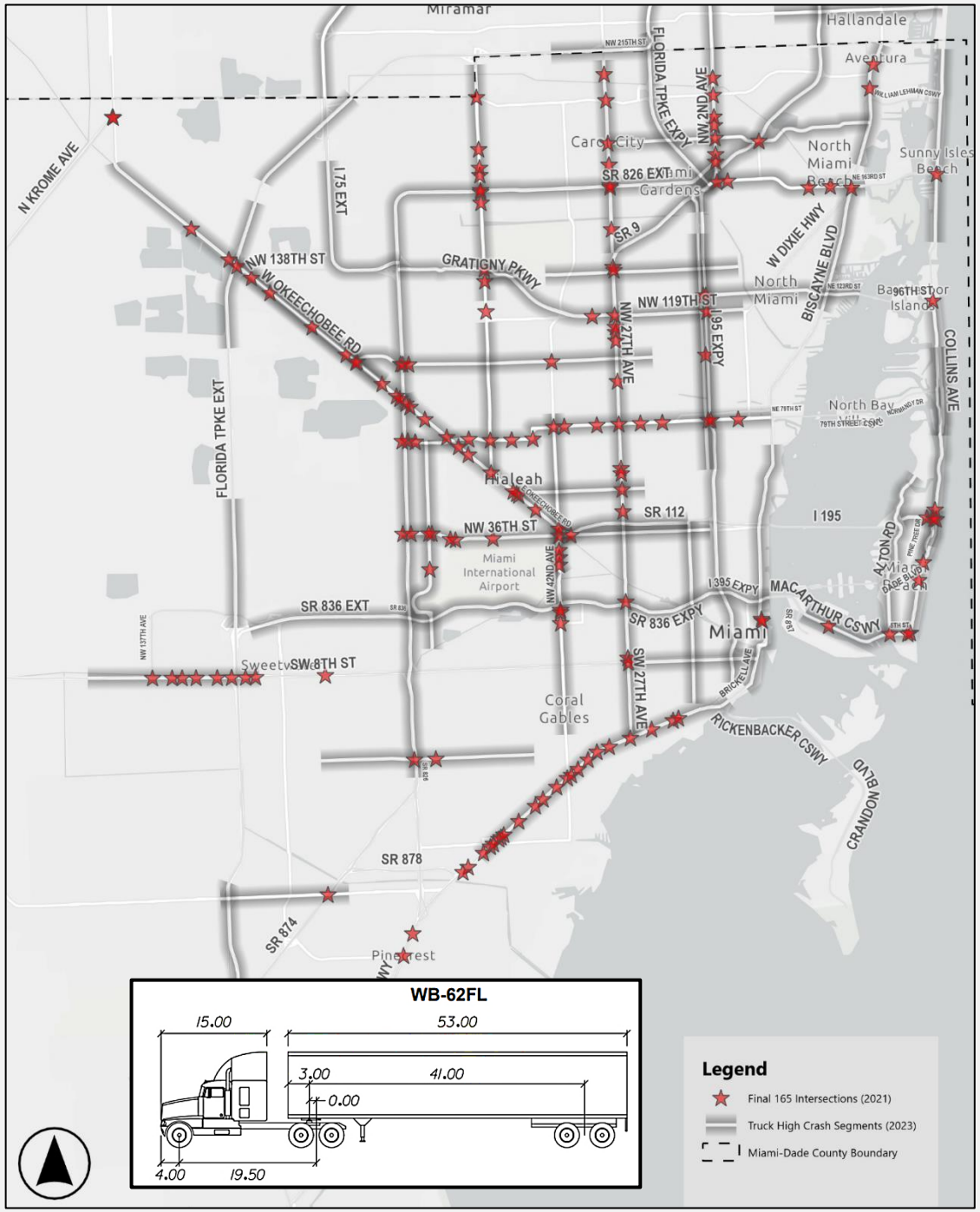


Phase II
Critical Intersections (2021)

Phase II further refined the top 165 ranked intersections down to 62. This was completed based on the following:

- Desktop Review using Auto-Turn.
- Removal of intersections already planned to be improved or capacity changed based on an existing FDOT Work Program project.
- Turning Movement Counts (TMC) specifically for Trucks WB-62FL.
- Field Review

Phase II concluded with identifying the 62 ranked critical intersections.

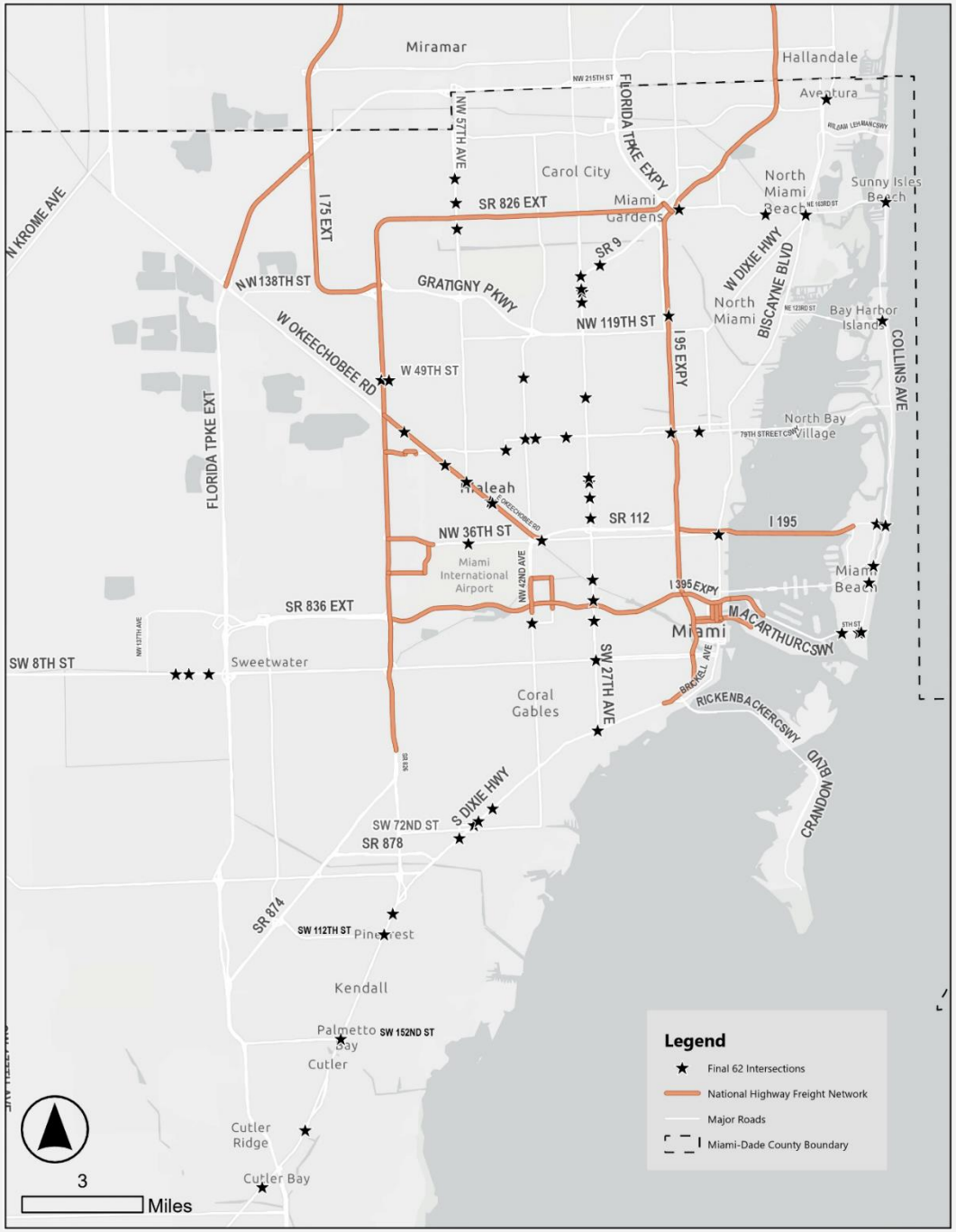


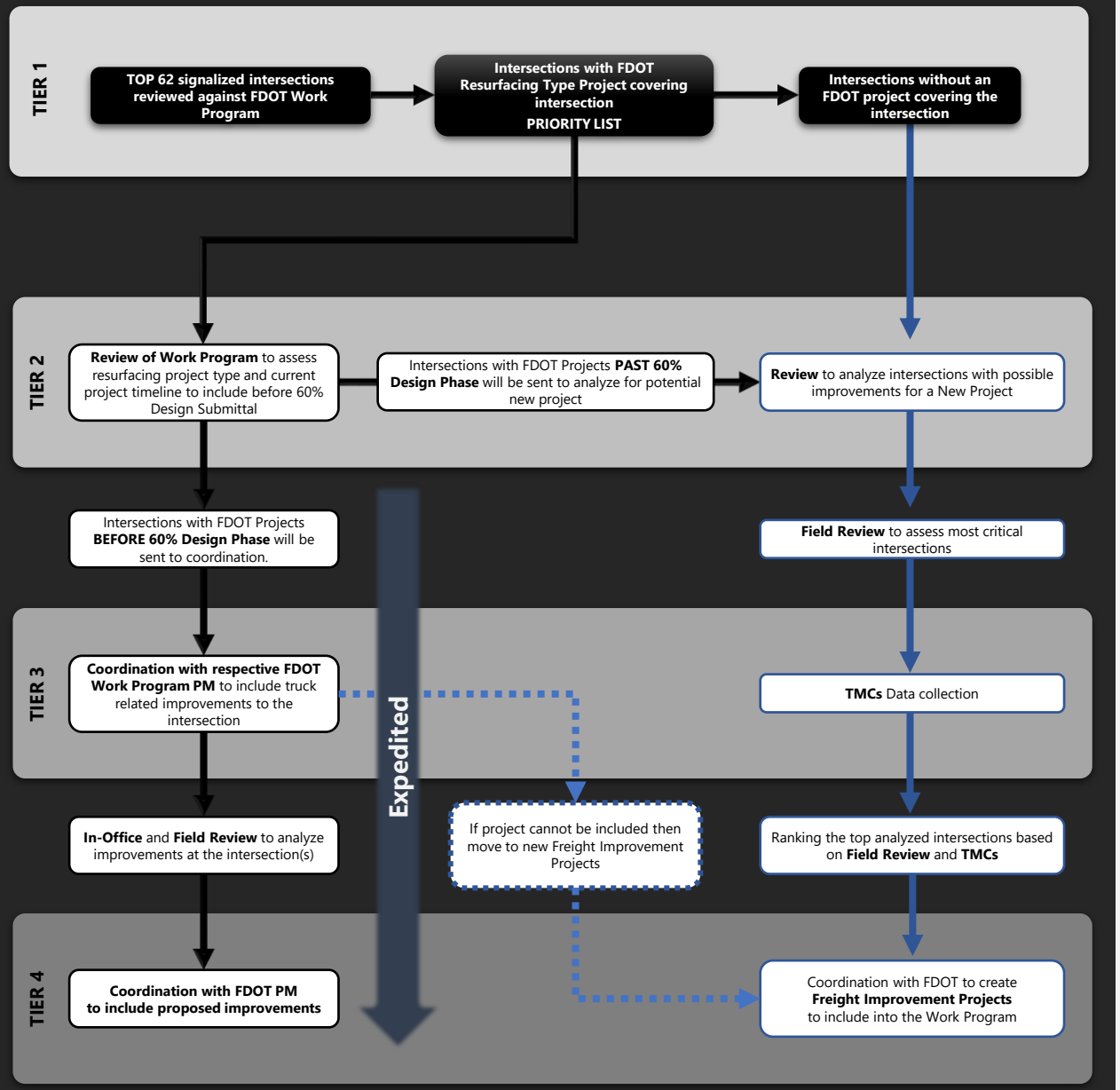
Phase III
Final 62 Intersections (2023)

Phase III was developed as a response to the time between 2019 and 2023, in which the COVID-19 pandemic was believed to have affected the movement of freight throughout the district. The goal of this phase was to verify the final 62 critical signalized intersections were still the most critical.

This was completed by updating the Miami-Dade Freight Network which subsequently became the National Highway Freight Network (NHFN) and crash data from 2021 to 2023.

Phase III concluded minimal to no change occurred to the final 62 ranked critical intersections, thus these intersections proceeded into Phase IV.





Phase IV

Propose and Implement Improvements

- The goal of Phase IV was to propose improvements at each of the final 62 critical signalized intersections which would resolve any existing truck turn radii deficiencies. This was broken into three steps:
- **Step 1:** Match Against Work Program.
- **Step 2:** Priority List – Coordination with FDOT for intersections with Projects.
- **Step 3:** Stand-Alone Projects – Coordination with FDOT for intersections without Projects.

Priority Contact List

A total 20 intersections were identified to have an existing Work Program project with a potential to include proposed improvements.

Each respective Project Manager (PM) was contacted for coordination to include proposed improvements.

NHFN	Signal ID	Roadway ID	Signal MP	SR	Intersection	FM	WORK MIX	STATUS	PM
Yes	2845	87090000	13.704	25	Okeechobee Rd & E 1 Av	4478281	RESURFACING	PRE-CONST.UNDERWAY	MARTINEZ, PAOLA
Yes	3048	87090000	15.254	948	NW 36 St & North River Dr	4385211	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	QUINTELA, RAUL
						4385212	PD&E/EMO STUDY	ADOPTED, NOT BEGUN	SOLAUN, JUDY
Yes	4411	87090000	12.194	25	Okeechobee Rd & W 8 Av	4478281	RESURFACING	PRE-CONST.UNDERWAY	MARTINEZ, PAOLA
No	2141	87281000	3.601	953	LeJeune Rd & NW 7 St	4478091	RESURFACING	PRE-CONST.UNDERWAY	BARRERA, JOSE
No	4109	87038000	1.314	932	W 49 St & W 18 Ct	4459931	RESURFACING	PRE-CONST.UNDERWAY	DE LA CRUZ, JOAQUIN
						4511221	INTERSECTION IMPROVEMENT	CANDIDATE LINE ITEM	QUINTELA, RAUL
No	3634	87080900	38.557	934	NW 79 St & I- 95 SB	4106467	SAFETY PROJECT	ROW ACQUISITION BEG.	RAGHUNANDAN, RYAN
						4106465	ADD LANES & RECONSTRUCT	PRE-CONST.UNDERWAY	QUINTELA, RAUL
No	2093	87080900	39.257	934	N 79 St & N Miami Av	4106465	ADD LANES & RECONSTRUCT	PRE-CONST.UNDERWAY	QUINTELA, RAUL
No	2794	87060000	3.598	A1A	5 St & Washington Av	4497101	PEDESTRIAN SAFETY IMPROVEMENT	PRE-CONST.UNDERWAY	NUNEZ, XIOMARA
No	2981	87240000	11.809	9	SR- 9 & NW 22 Av	4510351	PEDESTRIAN SAFETY IMPROVEMENT	CANDIDATE LINE ITEM	RIVEROL, ELSA
No	2994	87020000	13.796	5	US-1 & Quail Roost Dr	4493681	SAFETY PROJECT	ADOPTED, NOT BEGUN	DURAN, MARIO
No	2404	87240000	3.744	9	NW 27 Av & North River Dr & NW 20 St	4511241	PEDESTRIAN SAFETY IMPROVEMENT	CANDIDATE LINE ITEM	DURAN, MARIO
						4493661	INTERSECTION IMPROVEMENT	ADOPTED, NOT BEGUN	BARRERA, JOSE
No	2333	87240000	2.722	9	NW 27 Av & NW 7 St	4511241	PEDESTRIAN SAFETY IMPROVEMENT	CANDIDATE LINE ITEM	DURAN, MARIO
No	2378	87240000	3.231	9	NW 27 Av & NW 14 St	4511241	PEDESTRIAN SAFETY IMPROVEMENT	CANDIDATE LINE ITEM	DURAN, MARIO
No	2486	87240000	5.787	9	NW 27 Av & NW 54 St	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA
No	2489	87240000	6.285	9	NW 27 Av & NW 62 St	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA
No	4300	87240000	6.164	9	NW 27 Av & NW 60 St	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA
No	2483	87240000	5.276	9	NW 27 Av & NW 46 St	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA
No	5319	87240000	10.983	9	NW 27 Av & Superior St	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA
No	4545	87240000	10.653	9	NW 27 Av & NW 132 St	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA
No	6498	87240000	8.282	9	NW 27 Av & NW 95 St -W leg	4380761	PD&E/EMO STUDY	PRE-CONST.UNDERWAY	CARTAYA, NILIA

Stand-Alone Project Locations

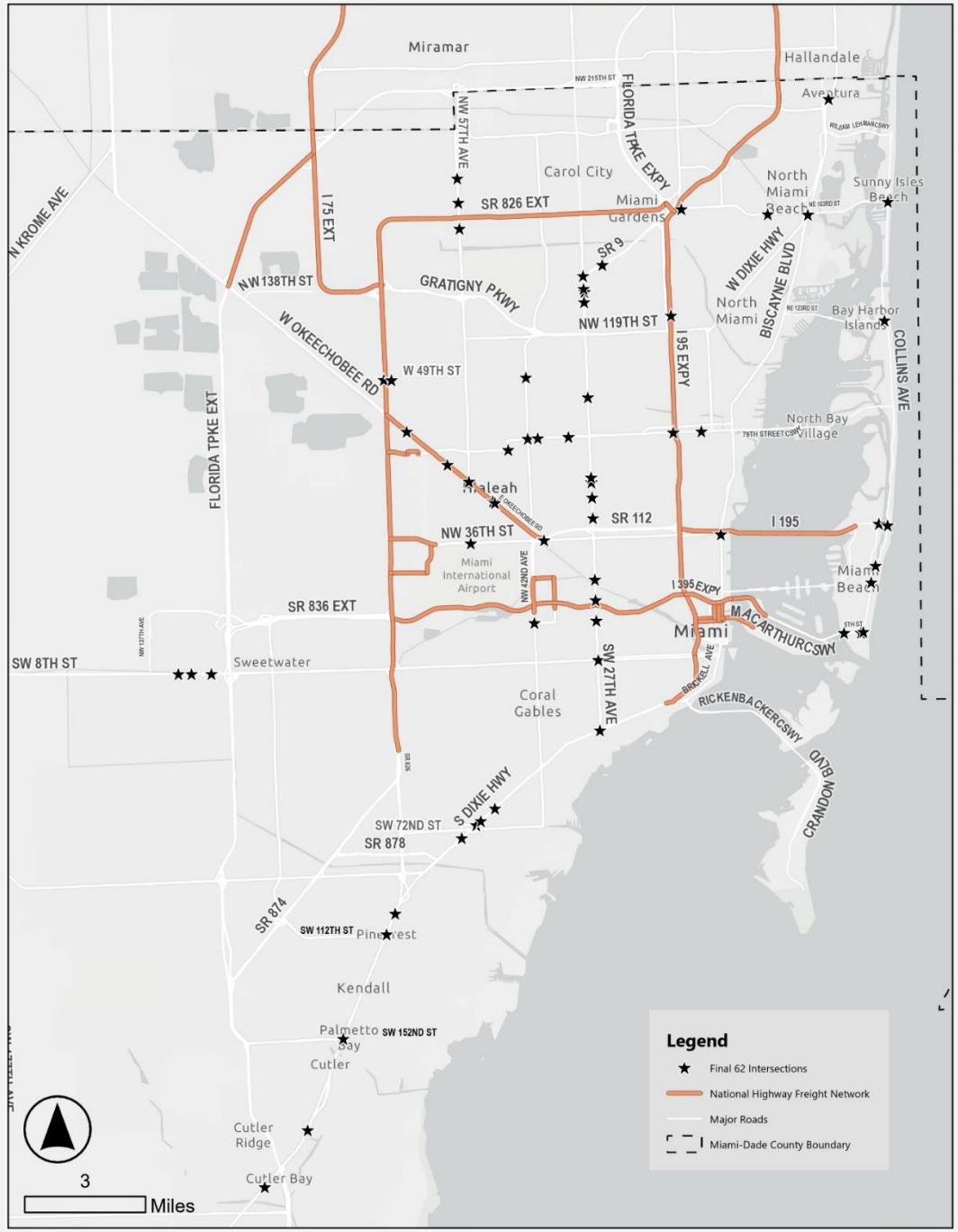
The remaining 42 locations are without an existing FDOT project or past the 60% design phase.

Additional coordination with FDOT is on-going for intersections without projects.

NHFN	Signal ID	Roadway ID	Signal MP	SR	Intersection
Yes	2847	87090000	13.641	25	Okeechobee Rd & Hialeah Dr
Yes	3198	87002000	0.000	823	Red Rd & & Okeechobee Rd & W 9 St
Yes	3608	87090000	10.890	25	Okeechobee Rd & W 16 Av & W 29 St
No	2998	87030000	2.751	5	US-1 & Red Rd
No	3730	87120000	5.523	90	SW 8 St & SW 122 Av
No	2182	87030000	6.520	5	US-1 & SW 27 Av
No	2955	87020000	16.266	5	US-1 & Coral Reef Dr
No	5210	87002000	6.933	823	Red Rd & NW 173 Dr
No	4264	87002000	7.534	823	Red Rd & Miami Gardens Dr
No	5130	87120000	5.028	90	SW 8 St & SW 127 Av
No	2020	87170000	0.474	826	SR- 826 & NW 2 Av
No	2999	87030000	2.115	5	US-1 & SW 62 Av
No	3669	87030000	3.223	5	US-1 & Alhambra Cir S
No	2010	87030000	21.947	5	US-1 & SR- 826
No	2954	87020000	19.071	5	US-1 & Killian Dr
No	2014	87170000	2.689	826	SR- 826 & NE 15 Av
No	3083	87066000	0.125	922	N Miami Blvd & I- 95 NB
No	2866	87080900	34.192	934	E 21 St & E 4 Av
No	2869	87080900	34.939	934	E 25 St & LeJeune Rd
No	2879	87038000	4.647	953	LeJeune Rd & E 49 St
No	5984	87120000	4.703	90	SW 8 St & SW 129 Pl
No	2253	87120000	15.134	90	SW 27 Av & SW 8 St
No	3147	87020000	19.628	5	US-1 & SW 104 St
No	3917	87038000	1.125	932	NW 103 St & SR- 826 W
No	2500	87080900	35.952	934	NW 79 St & NW 32 Av
No	2919	87060001	0.060	A1A	Harding Av & 96 St
No	2902	87220000	2.165	948	NW 36 St & Curtiss Pkwy
No	2980	87008001	2.555	916	NW 27 Av & Opa-locka Blvd
No	2640	87037000	0.000	907	Alton Rd & 5 St
No	2771	87016000	0.594	112	Art Godfrey Rd & Pine Tree Dr
No	4643	87002000	6.289	823	Red Rd & NW 163 St
No	5267	87030000	24.907	5	US-1 & NE 208 St
No	2670	87060000	5.344	A1A	Collins Av & 23 St
No	2870	87080900	35.189	934	E 25 St & E 10 Av
No	4491	87030000	2.599	5	US-1 & SW 58 Av & SW 70 St
No	6162	87019000	0.178	817	NW 27 Av & Burlington St & SR- 9 SB
No	3649	87015000	3.032	989	US-1 & SW 112 Av
No	2097	87030000	13.480	5	US-1 & NE 36 St
No	2665	87060000	4.913	A1A	Collins Av & 17 St
No	2658	87060000	3.670	A1A	Collins Av & 5 St
No	2677	87016000	0.814	112	Art Godfrey Rd & Collins Av
No	2995	87060000	14.590	A1A	Collins Av & SR- 826 S

National Highway Freight Network (NHFN)

- The Miami-Dade Freight Network was updated with the addition of the National Highway Freight Network (NHFN).
- Intersections within the NHFN were flagged as these locations have a high chance of receiving Federal Funds for freight network improvements.
- The National Highway Freight Network (NHFN) program awards federal grants to projects that meet the criteria for being on the network.



Deficient Locations on the National Highway Freight Network (NHFN)

There are three (3) Truck Radii deficient locations along Okeechobee Road that we propose to be included within FM 447828-1, Resurfacing project under Paola Martinez:

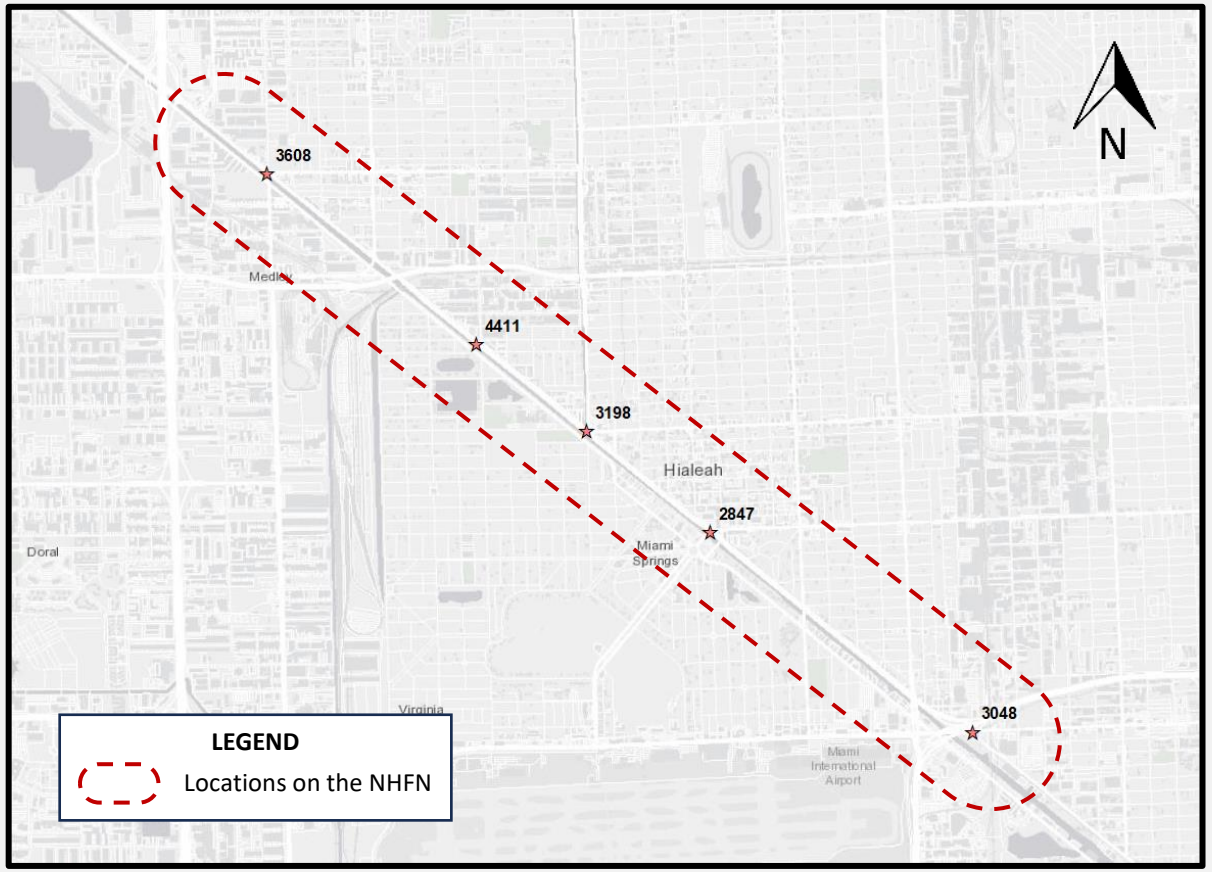
- 4411 – Okeechobee Rd at W 8 Ave / W 16 St
- 3198 – Okeechobee Rd at Red Rd / W 9 St
- 2847 – Okeechobee Rd at Hialeah Dr

There is one (1) location that will require coordination with the active coordination with PD&E project: FM 438521-1/2

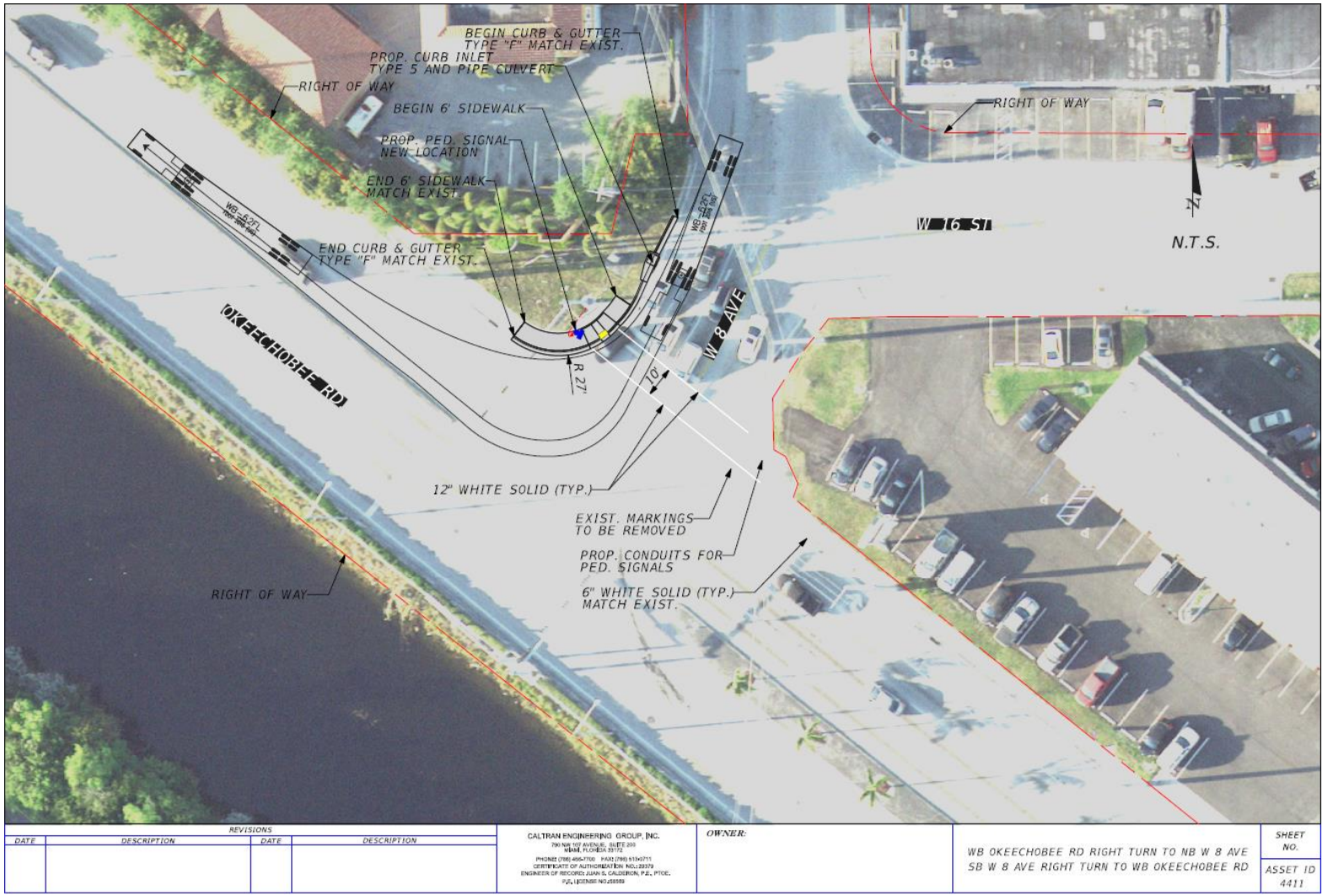
- 3048 – North River Dr at NW 36 St

Final location (1) on the NHFN to become a stand-alone project:

- 3608 – Okeechobee Rd at W 16 Av



4411 – Okeechobee Road at W 8th Avenue / W 16th Street

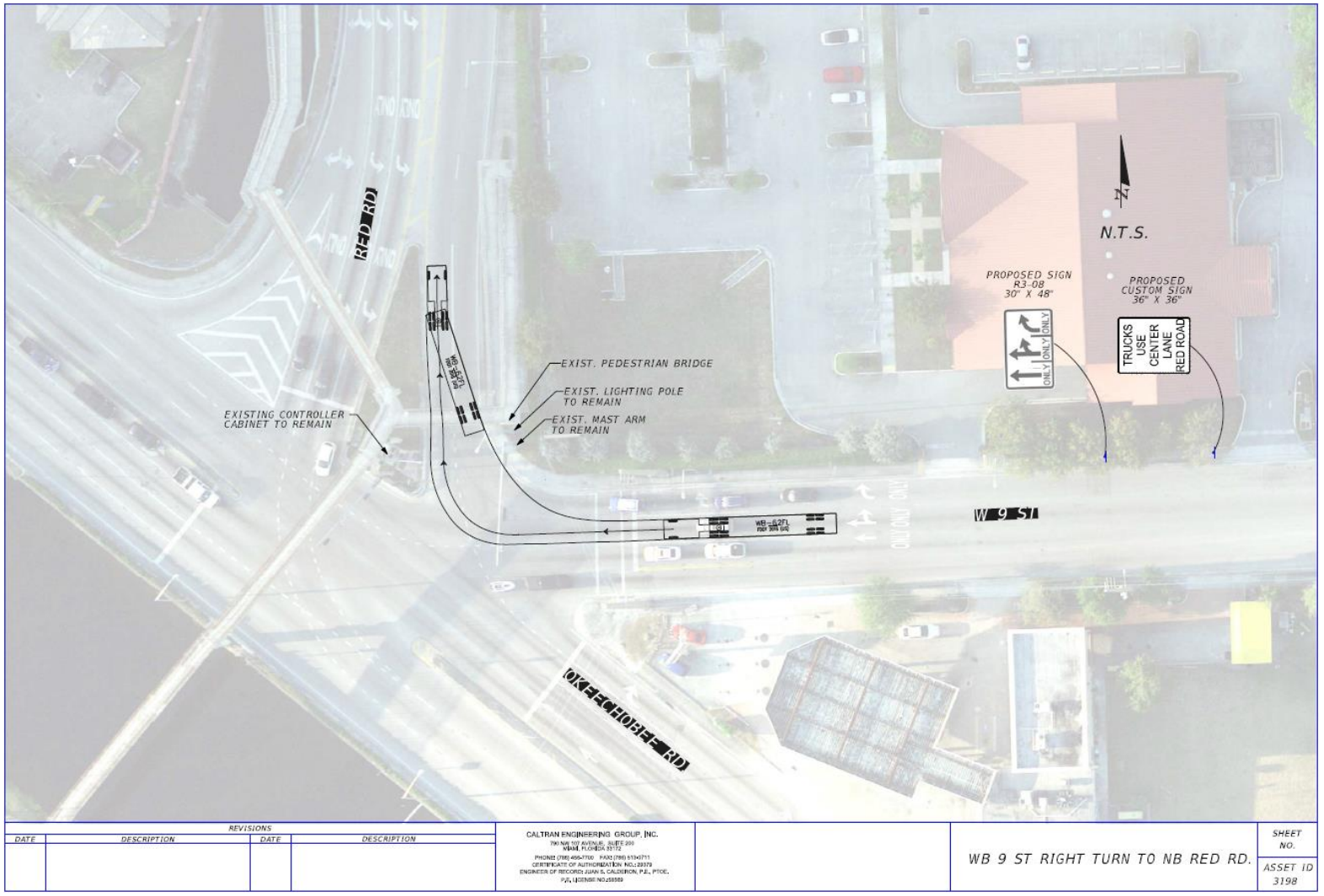


- This improvement will allow trucks heading south along W 8th Avenue to perform a right turn onto Okeechobee Road without encroaching onto the sidewalk.
- Active project FM 447828-1 resurfacing, coordination with PM is ongoing at this time.

4411 – Okeechobee Road at W 8th Avenue / W 16th Street

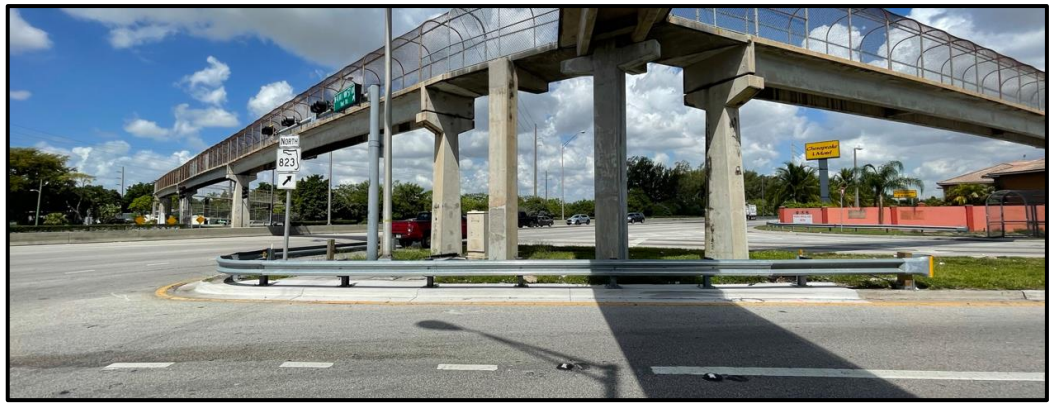
PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
	ASSET ID 4411				
0110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.01	$555.73
0160 4	TYPE B STABILIZATION	SY	$1.36	15	$20.40
0285706	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	15	$649.95
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	2	$321.66
0337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	2	$393.86
425 11	MODIFY EXISTING DRAINAGE STRUCTURE	EA	$9,000.00	1	$9,000.00
0425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	1	$6,010.00
430 174 118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	$177.81	8	$1,422.48
0520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	90	$3,410.10
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	40	$2,485.60
0522 2	DETECTABLE WARNINGS	SF	$78.71	30	$2,361.30
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$42.68	16	$682.88
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,541.98	1	$1,541.98
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	1	$2,219.69
0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	140	$414.40
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,691.80	0.018	$102.45
0711 17 1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	SF	$1.91	175	$334.25
-	CONTINGENCY	15%	$5,050.39		$5,050.39
0101 1	MOBILIZATION	10%	$3,366.92		$3,366.92
0102 1	MOT	10%	$3,366.92		$3,366.92
			TOTAL		$45,453.47

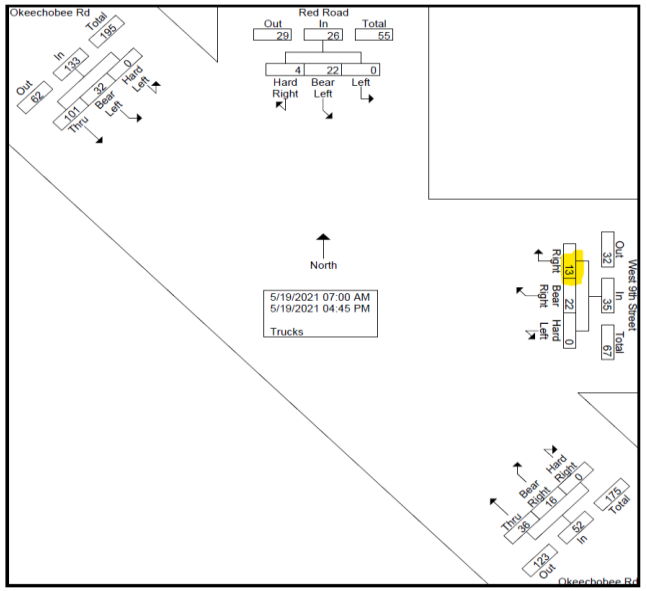
3198 – Okeechobee Road at Red Road / W 9th Street



- The proposed signage will allow trucks heading west along W 9th Street to use the center lane to make a right turn onto Red Road.
- Traffic Operations may be required to perform a traffic study and approve the “truck use center lane” signage. Traffic Study is not included in the cost estimate.
- Active project FM 447828-1 resurfacing, coordination with PM is ongoing at this time.

3198 – Okeechobee Road at Red Road / W 9th Street



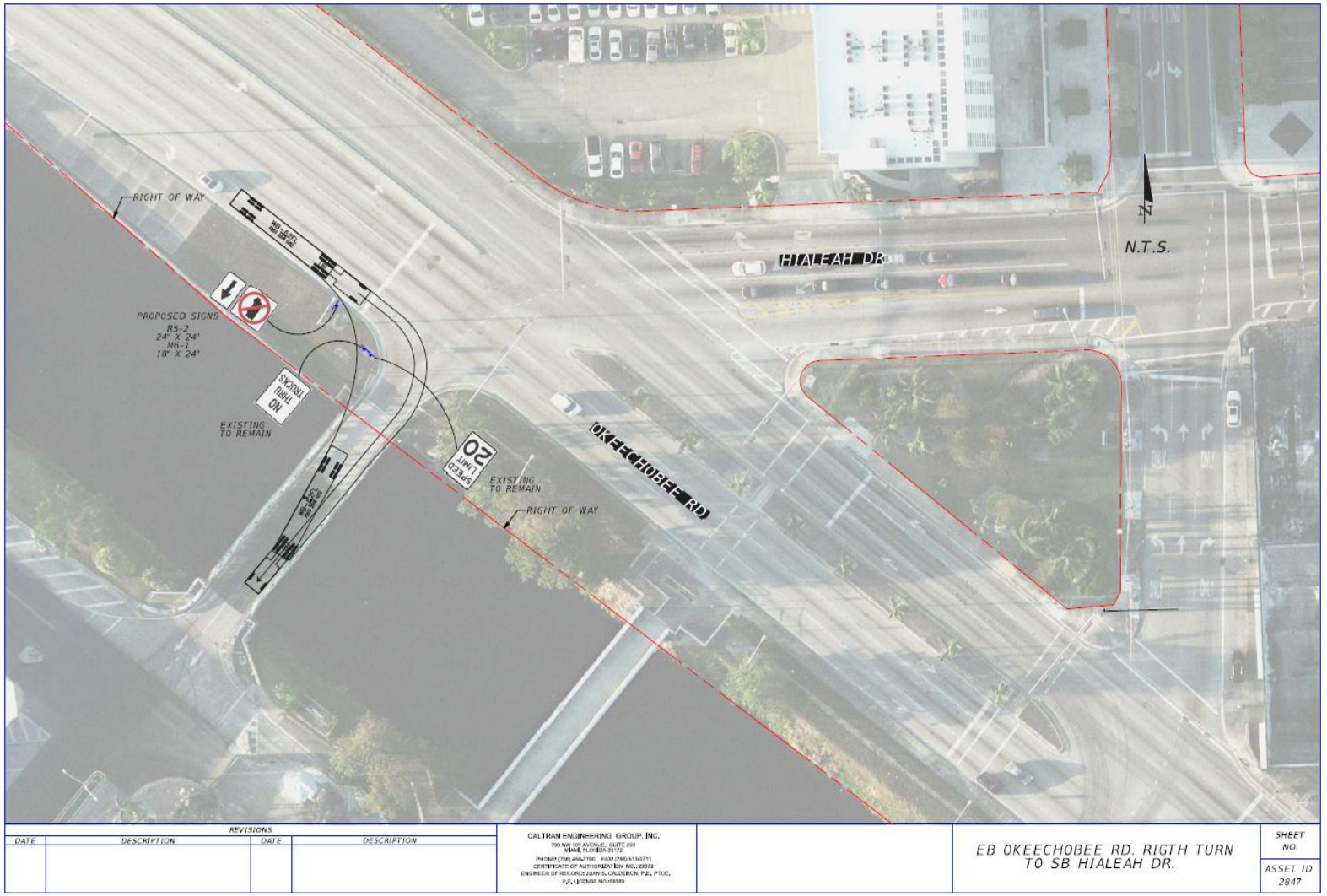


- Additional notes include the field review shows new guardrail was placed at this location, indicating it damage in the past.
- Additional note is the high volume of WB-62FL type trucks recorded making this right turn.

3198 – Okeechobee Road at Red Road / W 9th Street

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3198					
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	2	$976.42
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	$171.45	3	$514.35
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	$113.32	3	$339.96
-	CONTINGENCY	15%	$274.61		$274.61
0101 1	MOBILIZATION	10%	$183.07		$183.07
0102 1	MOT	10%	$183.07		$183.07
			TOTAL		$2,471.49

2847 - Okeechobee Road at Hialeah Drive

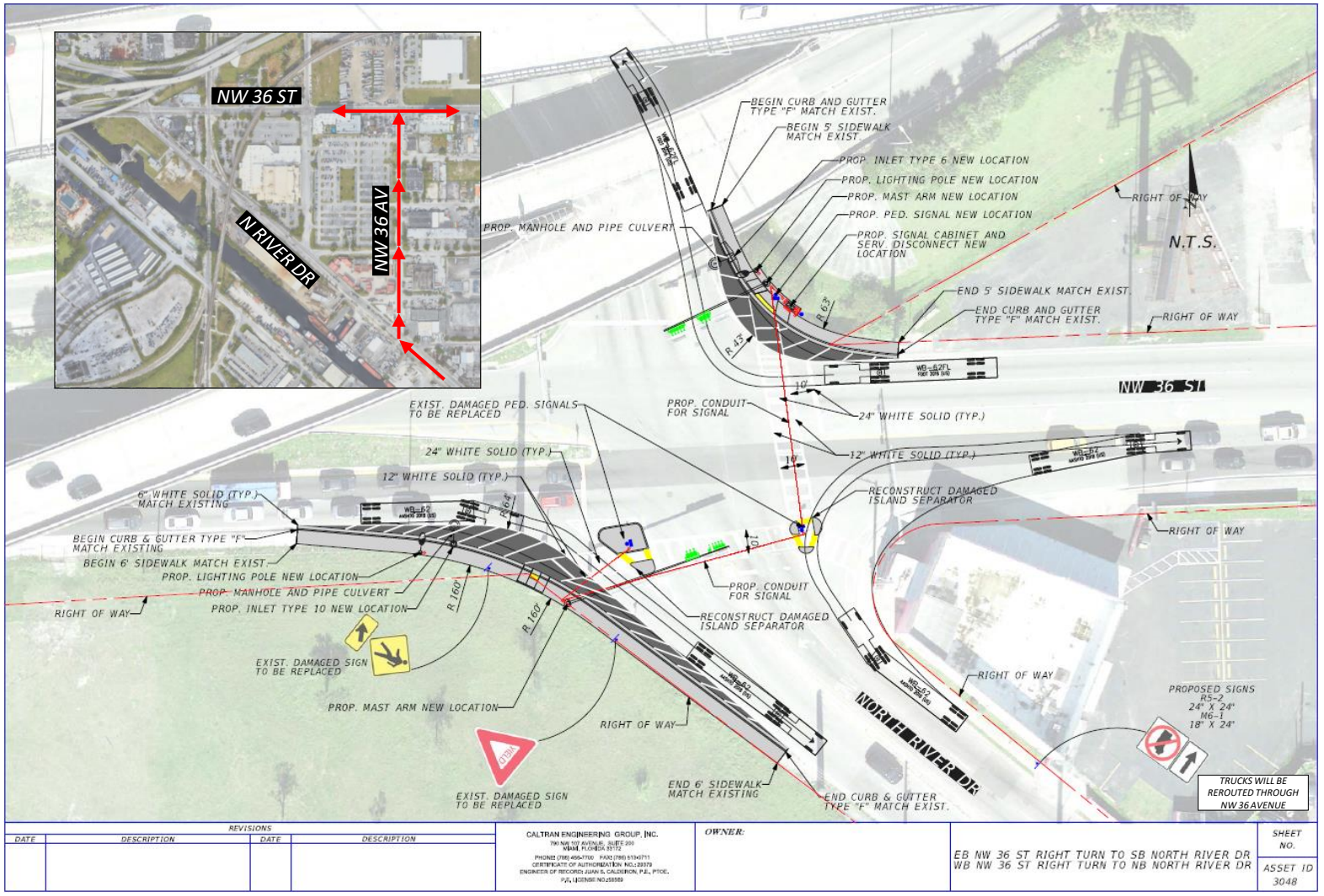


- Improvement to install “No through trucks” signs for trucks heading eastbound along Okeechobee Road attempting to make a right turn onto Curtiss Parkway Bridge.
- Active project FM 447828-1 resurfacing, coordination with PM is ongoing at this time.

2847 - Okeechobee Road at Hialeah Drive

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2847					
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	1	$488.21
-	CONTINGENCY	15%	$73.23		$73.23
0101 1	MOBILIZATION	10%	$48.82		$48.82
0102 1	MOT	10%	$48.82		$48.82
			TOTAL		$659.08

3048 – North River Drive at NW 36th Street

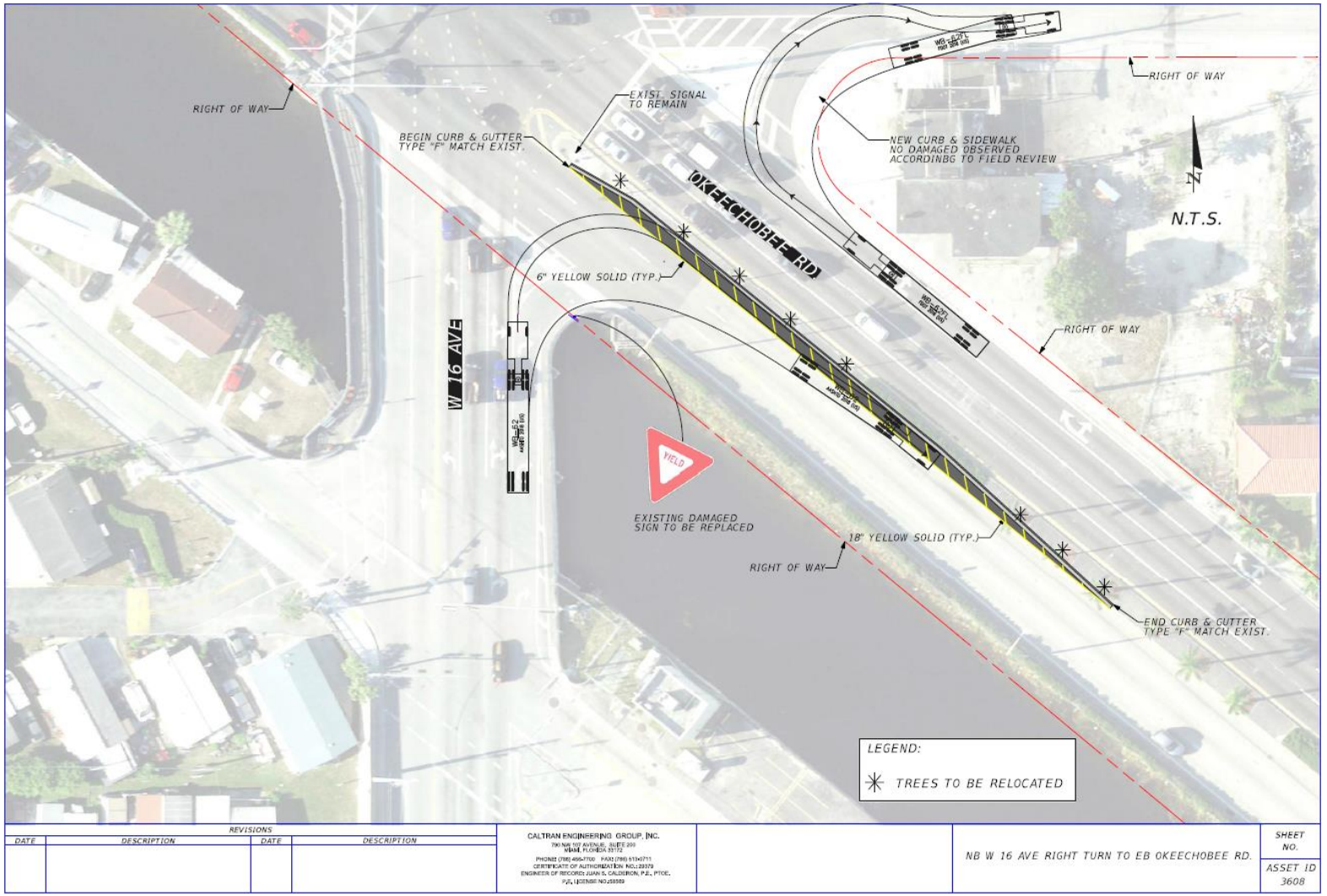


- **Will require Right-of-Way acquisition.**
- Trucks heading northbound along North River Dr with intent to make a left or right onto NW 36 Street will be re-routed with signage to take NW 36 Avenue instead.
- Active project FM 438521-1/2 PD&E, coordination with PM is ongoing at this time.
- Coordination between the City and County will be needed for this project.

3048 – North River Drive at NW 36th Street

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
	ASSET ID 3048				
110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.143	$7,947.01
160 4	TYPE B STABILIZATION	SY	$1.36	225	$306.00
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	225	$9,749.25
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	25	$4,020.75
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	25	$4,923.25
425 11	MODIFY EXISTING DRAINAGE STRUCTURE	EA	$9,000.00	2	$18,000.00
425 1211	INLETS, CURB, TYPE 10, <10'	EA	$6,500.00	1	$6,500.00
425 1361	INLETS, CURB, TYPE P-6, <10'	EA	$9,838.21	1	$9,838.21
430 174 118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	$177.81	20	$3,556.20
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	315	$11,935.35
520 2 4	CONCRETE CURB, TYPE D	LF	$31.07	250	$7,767.50
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.14	500	$31,070.00
527 2	DETECTABLE WARNINGS	SF	$78.71	164	$12,908.44
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.18	275	$10,499.50
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,410.59	16	$22,569.44
635 2 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	$2,794.99	1	$2,794.99
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	3	$6,659.07
646 1 60	ALUMINUM SIGNALS POLE, REMOVE	EA	$269.31	3	$807.93
649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	1	$67,972.67
649 21 21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78'	EA	$103,802.75	1	$103,802.75
649 26 3	STEEL MAST ARM ASSEMBLY, REMOVE, SHALLOW FOUNDATION- BOLT ON ATTACHMENT	EA	$7,997.79	2	$15,995.58
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	2	$3,121.28
650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	2	$3,838.36
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	3	$3,932.73
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	3	$1,294.77
670 5140	TRAFFIC CONTROLLER ASSEMBLY, FURNISH & INSTALL MODEL 2070	AS	$44,000.16	1	$44,000.16
670 5600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	$1,239.64	1	$1,239.64
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	4	$1,952.84
700 1 60	SINGLE POST SIGN, REMOVE	AS	$109.85	4	$439.40
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	2	$8,008.62
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.96	370	$1,095.20
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	321	$1,704.51
711 11 124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$3.96	330	$1,306.80
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6'	GM	$5,691.80	0.078	$443.96
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.58	10	$5.80
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$2,381.17	2	$4,762.34
-	CONTINGENCY	15%	$65,515.54		$65,515.54
0101 1	MOBILIZATION	10%	$43,677.03		$43,677.03
0102 1	MOT	10%	$43,677.03		$43,677.03
			TOTAL		**$589,639.90**

3608 – Okeechobee Road at W 16th Avenue / W 29th Street



- This improvement will enhance the median allowing trucks heading northbound along W 16th Avenue to perform a right turn movement onto Okeechobee Road.
- This is a stand-alone project.

3608 – Okeechobee Road at W 16th Avenue / W 29th Street

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3608					
102 1	MAINTENANCE OF TRAFFIC	LS	$761.76	1	$761.76
110 1 1	CLEARING & GRUBBING	AC	$55,573.47	0.032	$1,778.35
160 4	TYPE B STABILIZATION	SY	$1.36	135	$183.60
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	135	$5,849.55
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	7.5	$1,206.23
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	7.5	$1,476.98
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.89	230	$8,714.70
0581 1 1	RELOCATE TREES AND PALMS, PALM, <14' OF CLEAR TRUNK	EA	$1,545.71	8	$12,365.68
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$488.21	1	$488.21
711 11 224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.14	180	$745.20
711 15 201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	$7,015.00	0.056	$392.84
-	CONTINGENCY	15%	$5,094.46		$5,094.46
0101 1	MOBILIZATION	10%	$3,396.31		$3,396.31
0102 1	MOT	10%	$3,396.31		$3,396.31
			TOTAL		$45,850.17

Deficient Locations to Become Stand-Alone Projects – Not on the NHFN

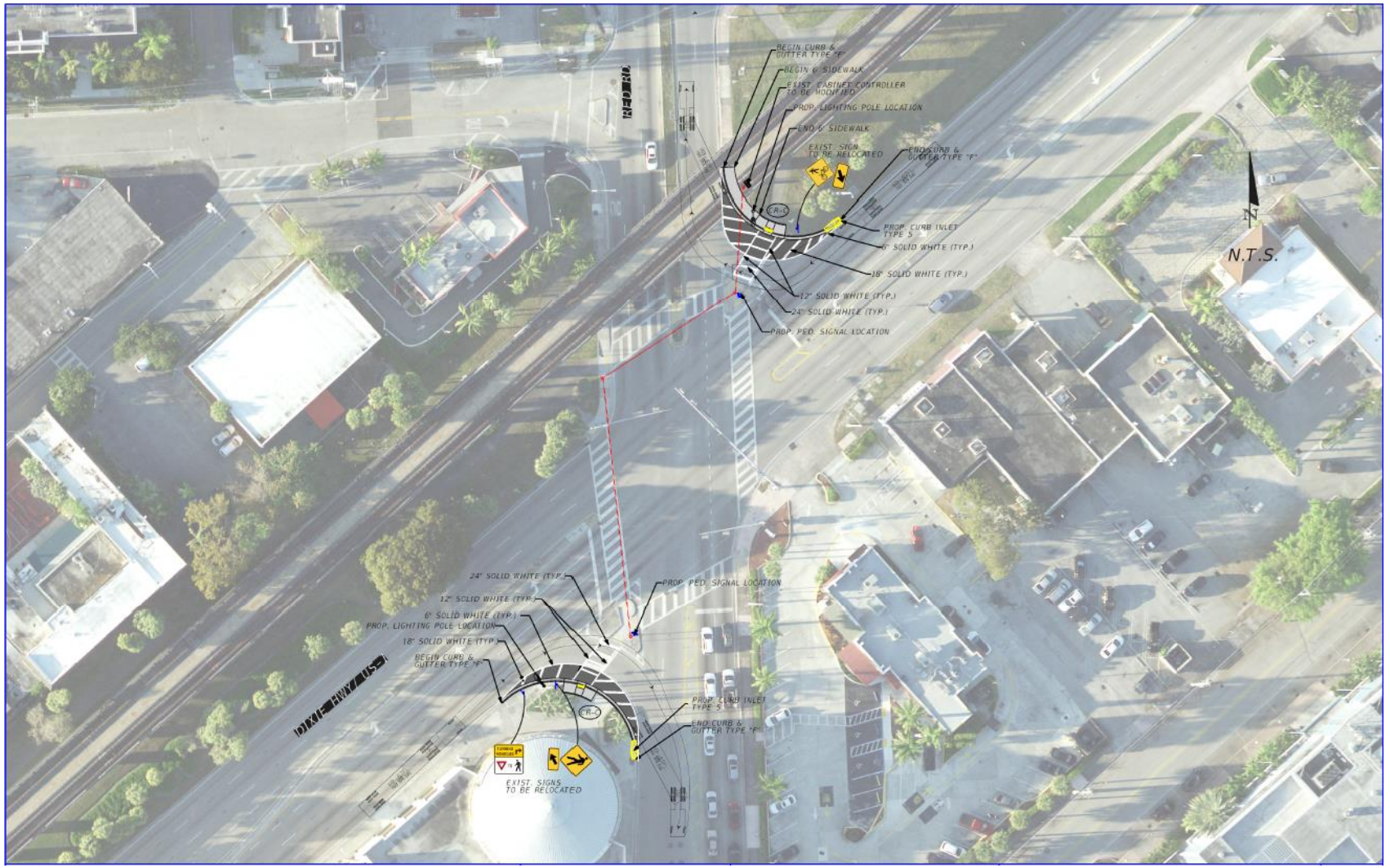
NHFN	Existing Project	Signal ID	Roadway ID	Signal MP	SR	Intersection	Cost Estimate	FM	WORK MIX	
No	No	2998	87030000	2.751	5	US-1 & Red Rd	$ 128,979.20	None	Stand-alone Project	
No	No	2182	87030000	6.520	5	US-1 & SW 27 Av	$ 80,340.70	None	Stand-alone Project	$ 209,319.90
No	No	5984	87120000	4.703	90	SW 8 St & SW 129 Pl	$ 44,893.00	None	Stand-alone Project	
No	No	5130	87120000	5.028	90	SW 8 St & SW 127 Av	$ 177,579.69	None	Stand-alone Project	
No	No	3730	87120000	5.523	90	SW 8 St & SW 122 Av	$ 80,195.98	None	Stand-alone Project	$ 302,668.67
No	No	2253	87120000	15.134	90	SW 27 Av & SW 8 St	$ 196,199.42	None	Stand-alone Project	$ 196,199.42
No	No	4264	87002000	7.534	823	Red Rd & Miami Gardens Dr	$ 2,912,087.33	None	Stand-alone Project	$ 2,912,087.33
No	No	2955	87020000	16.266	5	US-1 & Coral Reef Dr	$ 521,015.63	None	Stand-alone Project	
No	No	2954	87020000	19.071	5	US-1 & Killian Dr	$ 353,755.54	None	Stand-alone Project	
No	No	3147	87020000	19.628	5	US-1 & SW 104 St	$ 154,868.51	None	Stand-alone Project	$ 154,868.51
No	No	3083	87066000	0.125	922	N Miami Blvd & I- 95 NB	$ 47,674.15	None	Stand-alone Project	$ 47,674.15
No	No	2869	87080900	34.939	934	E 25 St & LeJeune Rd	$ 487,103.49	None	Stand-alone Project	
No	No	2879	87038000	4.647	953	LeJeune Rd & E 49 St	$ 99,232.72	None	Stand-alone Project	$ 1,098,296.44
No	No	2020	87170000	0.474	826	SR- 826 & NW 2 Av	$ 75,011.31	None	Stand-alone Project	
No	No	2014	87170000	2.689	826	SR- 826 & NE 15 Av	$ 167,707.58	None	Stand-alone Project	
No	No	2010	87030000	21.947	5	US-1 & SR- 826	$ 28,965.15	None	Stand-alone Project	$ 271,684.04
									Est. Total	**$ 5,192,798.46**

There are sixteen (16) Truck Radii deficient locations that are currently being proposed to be grouped up and become a single stand-alone project.

Improvements could potentially require R/W acquisition; however, this has not been quantified at this moment.

The combined construction cost estimate for improving these locations will be about $5 million.

2998 – US-1 at Red Road

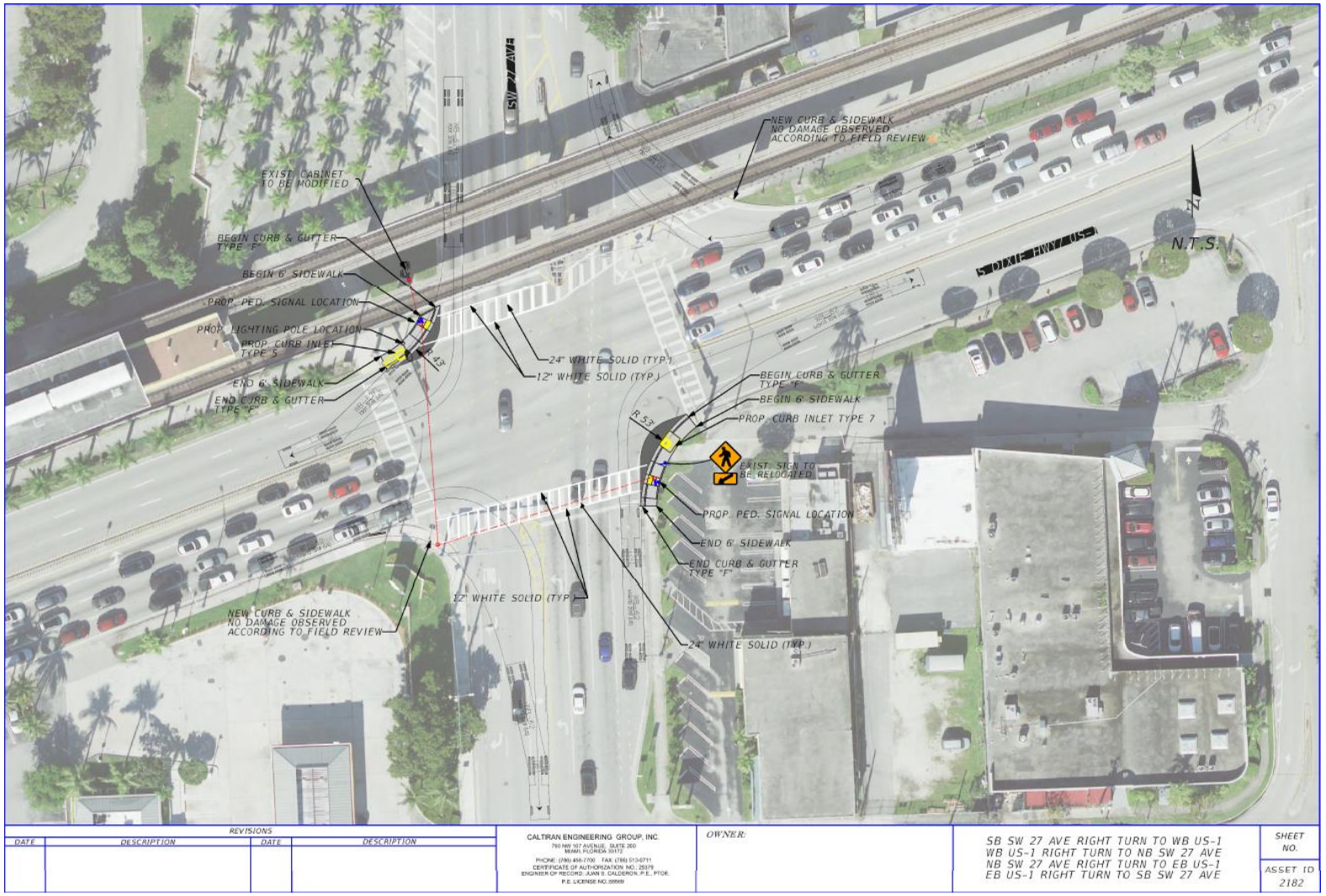


- **May require Right-of-Way acquisition.**
- Trucks along US-1/Dixie Highway will be able to make a hard right onto Red Road for both northbound and southbound approaches.
- This is a stand-alone project.

2998 – US-1 at Red Road

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2998					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.15	$7,833.49
160 4	TYPE B STABILIZATION	SY	$1.41	450	$634.50
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	450	$12,415.50
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	25	$4,080.25
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	25	$4,923.25
0425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	2	$12,020.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	200	$10,302.00
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	24	$1,492.08
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	$78.84	23	$1,813.32
527 2	DETECTABLE WARNINGS	SF	$34.26	18	$616.68
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	290	$11,049.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	4	$5,636.80
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	2	$4,439.38
653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAY	AS	$1,310.91	2	$2,621.82
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	2	$863.18
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	4	$1,946.36
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	112	$284.48
711 11 124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$4.01	161	$645.61
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	92	$488.52
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.043	$238.03
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.35	19	$6.65
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$3,856.14	2	$7,712.28
-	CONTINGENCY	15%	$14,331.02		$14,331.02
0101 1	MOBILIZATION	10%	$9,554.01		$9,554.01
0102 1	MOT	10%	$9,554.01		$9,554.01
			TOTAL		**$128,979.20**

2182 – US-1 at SW 27th Avenue

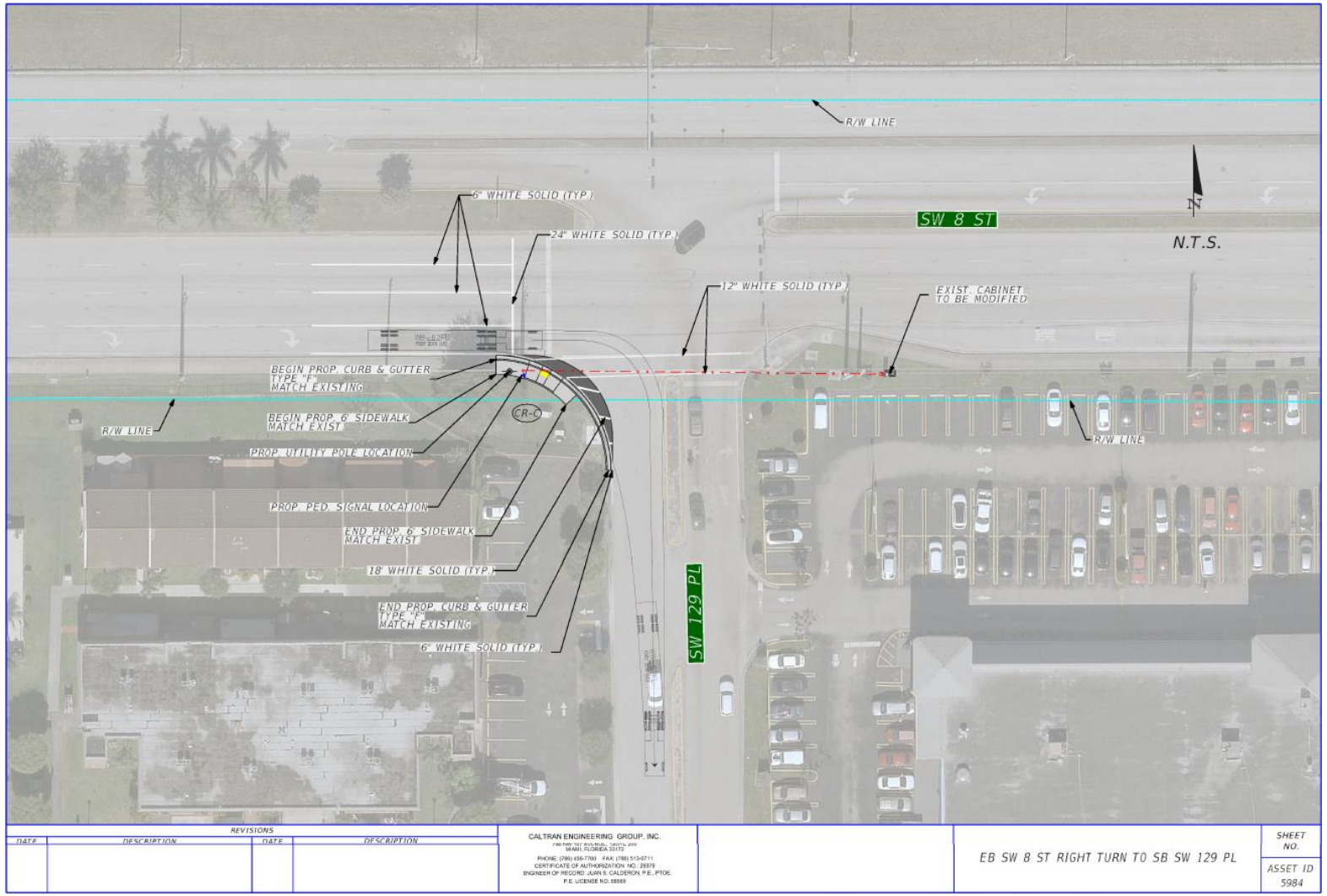


- **May require Right-of-Way acquisition.**
- Trucks heading northbound or southbound along SW 27th Avenue will be able to make a right tune onto US-1/Dixie Highway without encroaching onto the sidewalks.
- This is a stand-alone project.

2182 – US-1 at SW 27th Avenue

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2182					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.036	$1,880.04
160 4	TYPE B STABILIZATION	SY	$1.41	35	$49.35
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	35	$965.65
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	4	$652.84
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	4	$787.72
0425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	1	$6,010.00
0425 1562	INLETS, DT BOT, TYPE F, >10'	EA	$8,600.00	1	$8,600.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	82	$4,223.82
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	59	$3,668.03
527 2	DETECTABLE WARNINGS	SF	$34.26	20	$685.20
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	216	$8,229.60
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	4	$5,636.80
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	2	$4,439.38
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	2	$2,621.82
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	2	$863.18
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	1	$486.59
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	296	$751.84
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	289	$1,534.59
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.016	$88.57
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.35	10	$3.50
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$3,856.14	1	$3,856.14
-	CONTINGENCY	15%	$8,926.74		$8,926.74
0101 1	MOBILIZATION	10%	$5,951.16		$5,951.16
0102 1	MOT	10%	$5,951.16		$5,951.16
			TOTAL		**$80,340.70**

5984 – SW 8th Street at SW 129th Place

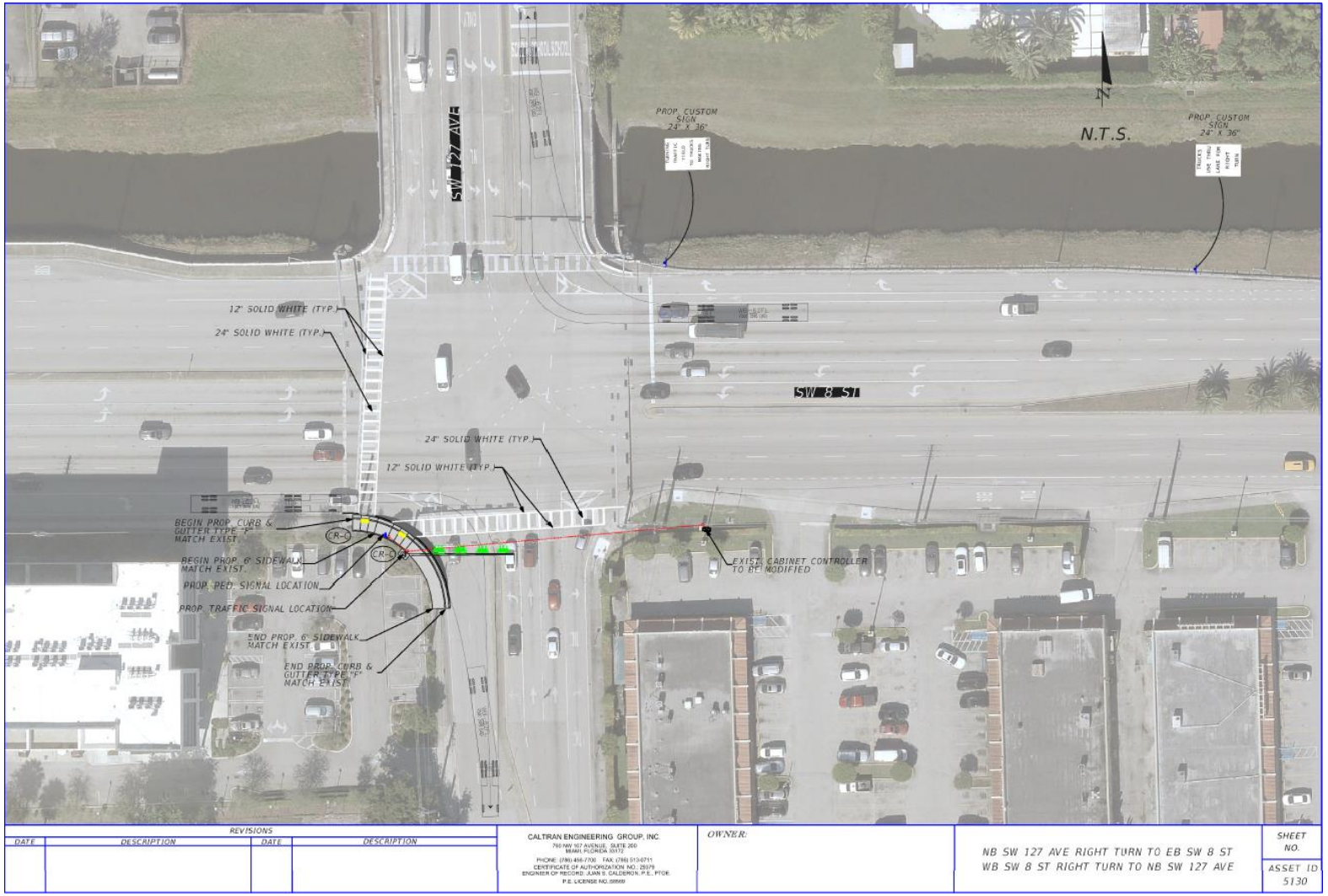


- **May require Right-of-Way acquisition.**
- Trucks heading eastbound along SW 8th Street will be able to make a right onto SW 129th Place without encroaching onto the sidewalk.
- This is a stand-alone project.

5984 – SW 8th Street at SW 129th Place

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
	ASSET ID 5984				
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.03	$1,566.70
160 4	TYPE B STABILIZATION	SY	$1.41	65	$91.65
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	65	$2,816.45
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	4	$643.32
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	4	$787.72
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	303	$11,459.46
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	47	$2,921.99
527 2	DETECTABLE WARNINGS	SF	$78.84	17	$1,340.28
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$34.26	150	$5,139.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$38.10	2	$76.20
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	324	$822.96
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	99	$525.69
711 11 224	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.01	17	$68.17
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.023	$127.32
-	CONTINGENCY	15%	$4,988.11		$4,988.11
0101 1	MOBILIZATION	10%	$3,325.41		$3,325.41
0102 1	MOT	10%	$3,325.41		$3,325.41
			TOTAL		**$44,893.00**

5130 – SW 8th Street at SW 127th Avenue

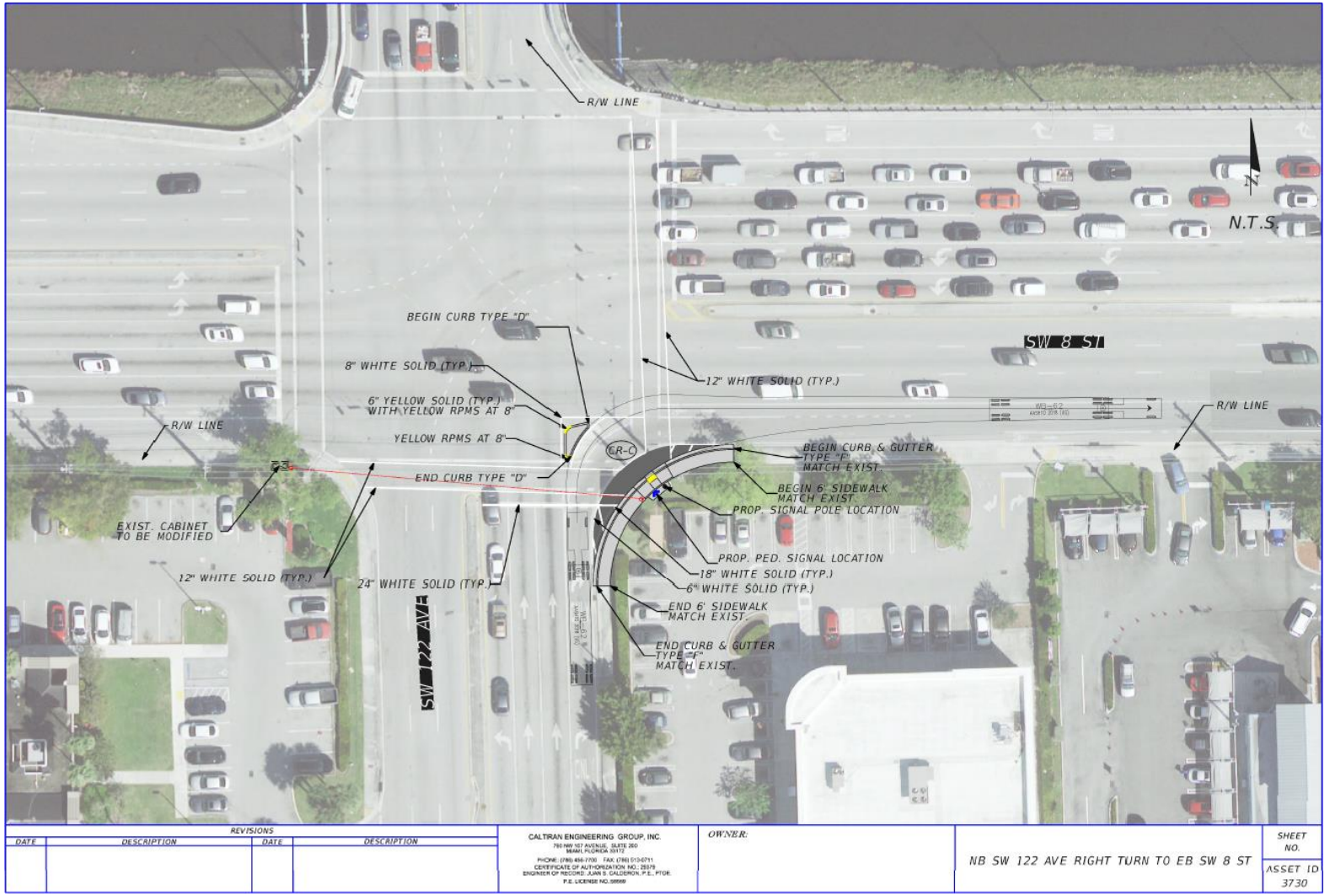


- **May require Right-of-Way acquisition.**
- Trucks heading eastbound along SW 8th Street will be able to make a right onto SW 127th Avenue without encroaching onto the sidewalk.
- This is a stand-alone project.

5130 – SW 8th Street at SW 127th Avenue

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 5130					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.032	$1,671.14
160 4	TYPE B STABILIZATION	SY	$1.41	38	$53.58
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	38	$1,048.42
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	2	$326.42
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	2	$393.86
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	70	$3,605.70
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	60	$3,730.20
527 2	DETECTABLE WARNINGS	SF	$34.26	20	$685.20
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	155	$5,905.50
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	3	$4,227.60
649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	$90,011.94	1	$90,011.94
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	4	$6,242.56
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	2	$973.18
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	452	$1,148.08
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	410	$2,177.10
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.021	$116.25
-	CONTINGENCY	15%	$19,731.08		$19,731.08
0101 1	MOBILIZATION	10%	$13,154.05		$13,154.05
0102 1	MOT	10%	$13,154.05		$13,154.05
			TOTAL		**$177,579.69**

3730 – SW 8th Street at SW 122nd Avenue

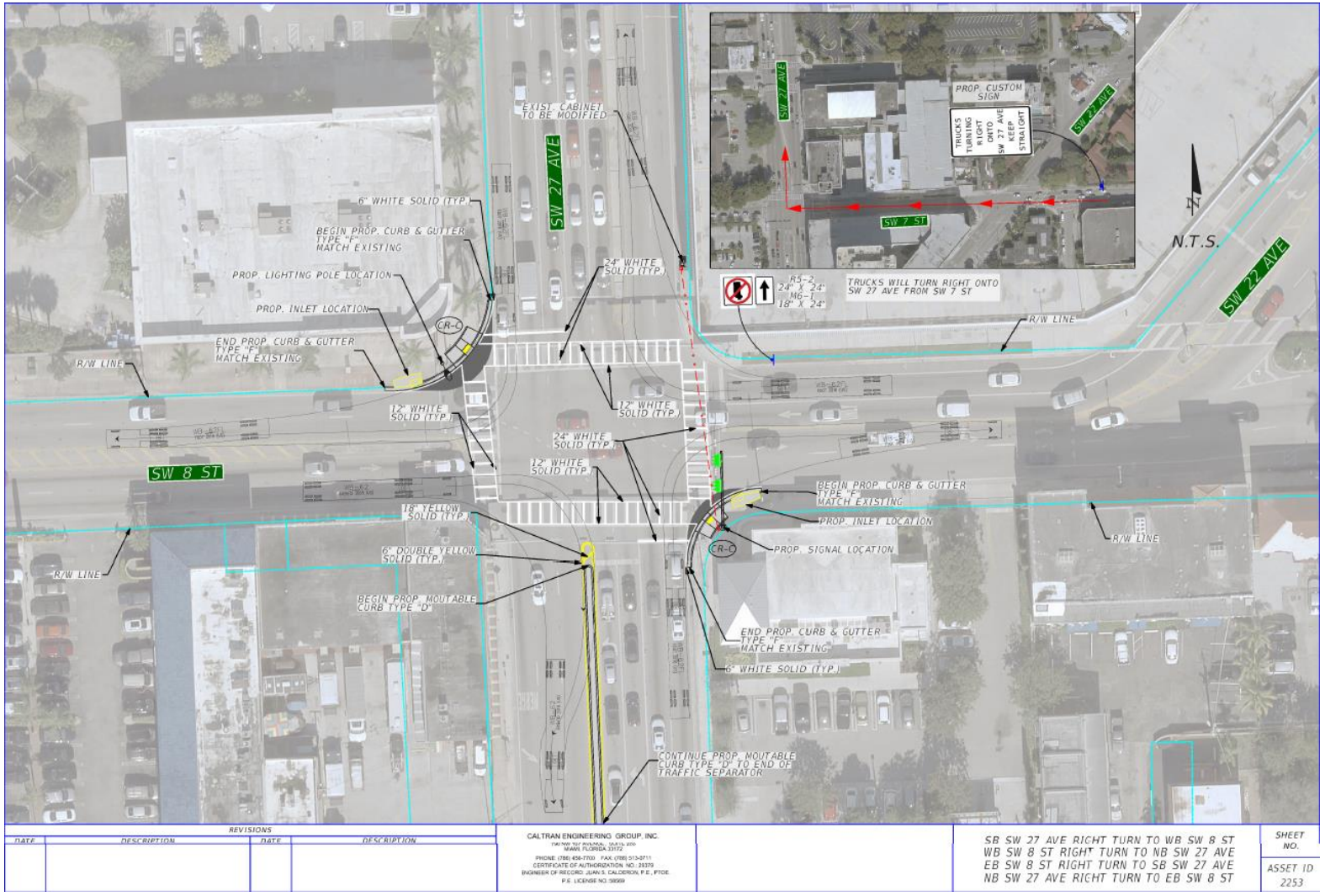


- **May require Right-of-Way acquisition.**
- Trucks heading northbound along SW 122nd Avenue will be able to make a right onto SW 8th Street without encroaching onto the sidewalks.
- This is a stand-alone project.

3730 – SW 8th Street at SW 122nd Avenue

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3730					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.022	$1,148.91
160 4	TYPE B STABILIZATION	SY	$1.41	106	$149.46
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	106	$2,924.54
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	6	$979.26
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	6	$1,181.58
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	86	$4,429.86
520 2 4	CONCRETE CURB, TYPE D	LF	$31.07	77	$2,392.39
520 5 12	TRAFFIC SEPARATOR CONCRETE-TYPE I, 6' WIDE	LF	$142.89	35	$5,001.15
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	111	$6,900.87
527 2	DETECTABLE WARNINGS	SF	$34.26	22	$753.72
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	160	$6,096.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	3	$4,227.60
641 2 14	PRESTRESSED CONCRETE POLE, F&I, TYPE P-IV	EA	$12,132.00	1	$12,132.00
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	1	$2,219.69
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
706 1 1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	EA	$7.50	12	$90.00
711 11 102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM	$7,880.69	0.03	$236.42
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	985	$2,501.90
711 11 124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$4.01	24	$96.24
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	107	$568.17
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.026	$143.93
711 16 201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	$5,635.20	0.002	$11.27
-	CONTINGENCY	15%	$8,910.66		$8,910.66
0101 1	MOBILIZATION	10%	$5,940.44		$5,940.44
0102 1	MOT	10%	$5,940.44		$5,940.44
			TOTAL		**$80,195.98**

2253 – SW 8th Street at SW 27th Avenue

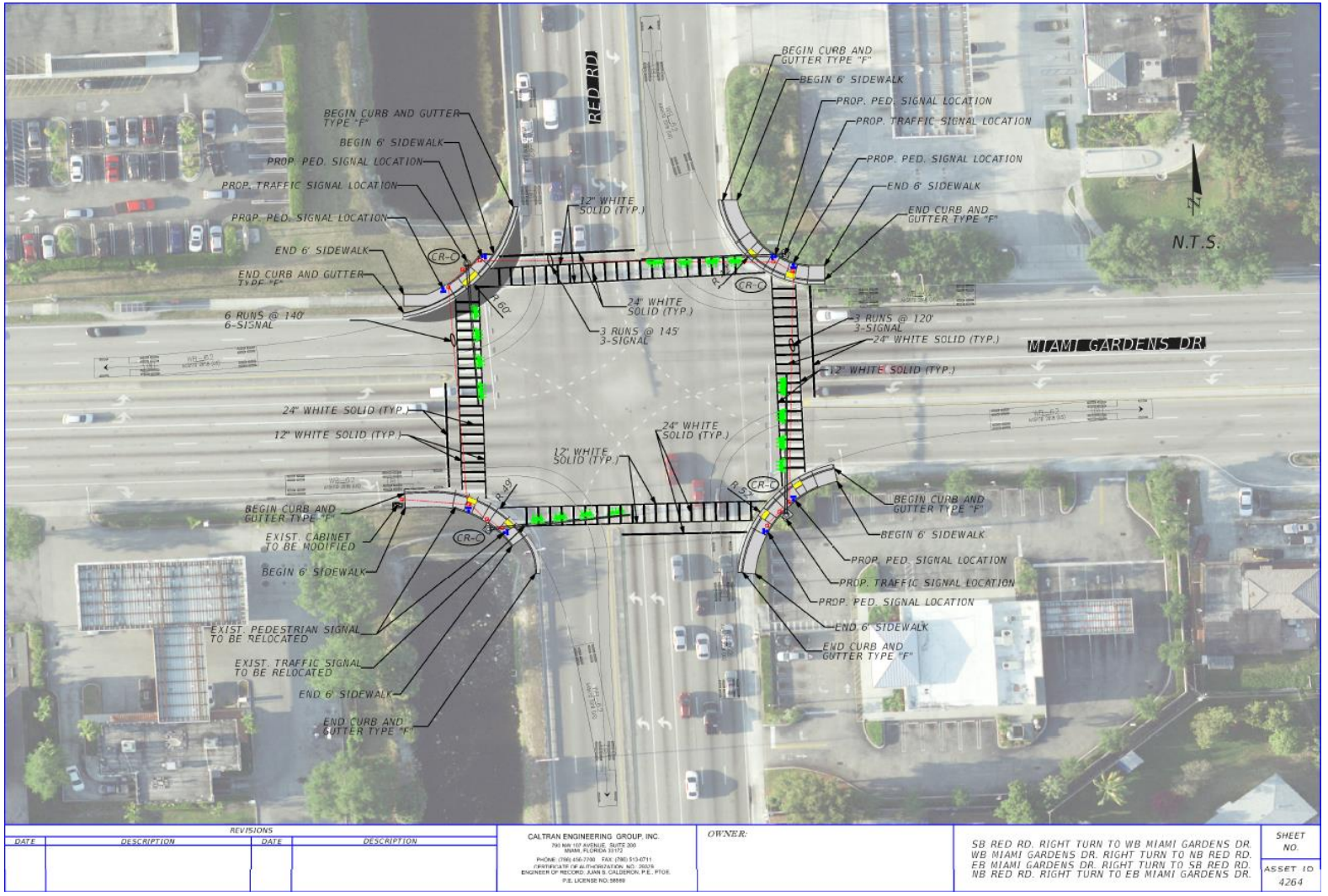


- **May require Right-of-Way acquisition.**
- Trucks heading northbound or southbound along SW 27th Avenue will be able to make a right turn onto SW 8th Street without encroaching onto the sidewalks.
- This is a stand-alone project.

2253 – SW 8th Street at SW 27th Avenue

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2253					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.04	$2,088.93
160 4	TYPE B STABILIZATION	SY	$1.41	51	$71.91
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	51	$2,209.83
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	5	$804.15
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	5	$984.65
425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	2	$12,020.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	740	$27,986.80
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	58	$3,605.86
527 2	DETECTABLE WARNINGS	SF	$34.26	20	$685.20
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	120	$4,572.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	2	$2,818.40
649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	1	$67,972.67
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	2	$3,121.28
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	1	$486.59
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	610	$1,549.40
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	600	$3,186.00
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.019	$105.18
711 16 201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	$5,635.20	0.053	$298.67
711 11 224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.14	6	$24.84
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.35	5	$1.75
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$4,873.87	1	$4,873.87
-	CONTINGENCY	15%	$21,258.20		$21,258.20
0101 1	MOBILIZATION	10%	$14,172.13		$14,172.13
0102 1	MOT	10%	$14,172.13		$14,172.13
			TOTAL		**$196,199.42**

4264 – Red Road at Miami Gardens Drive

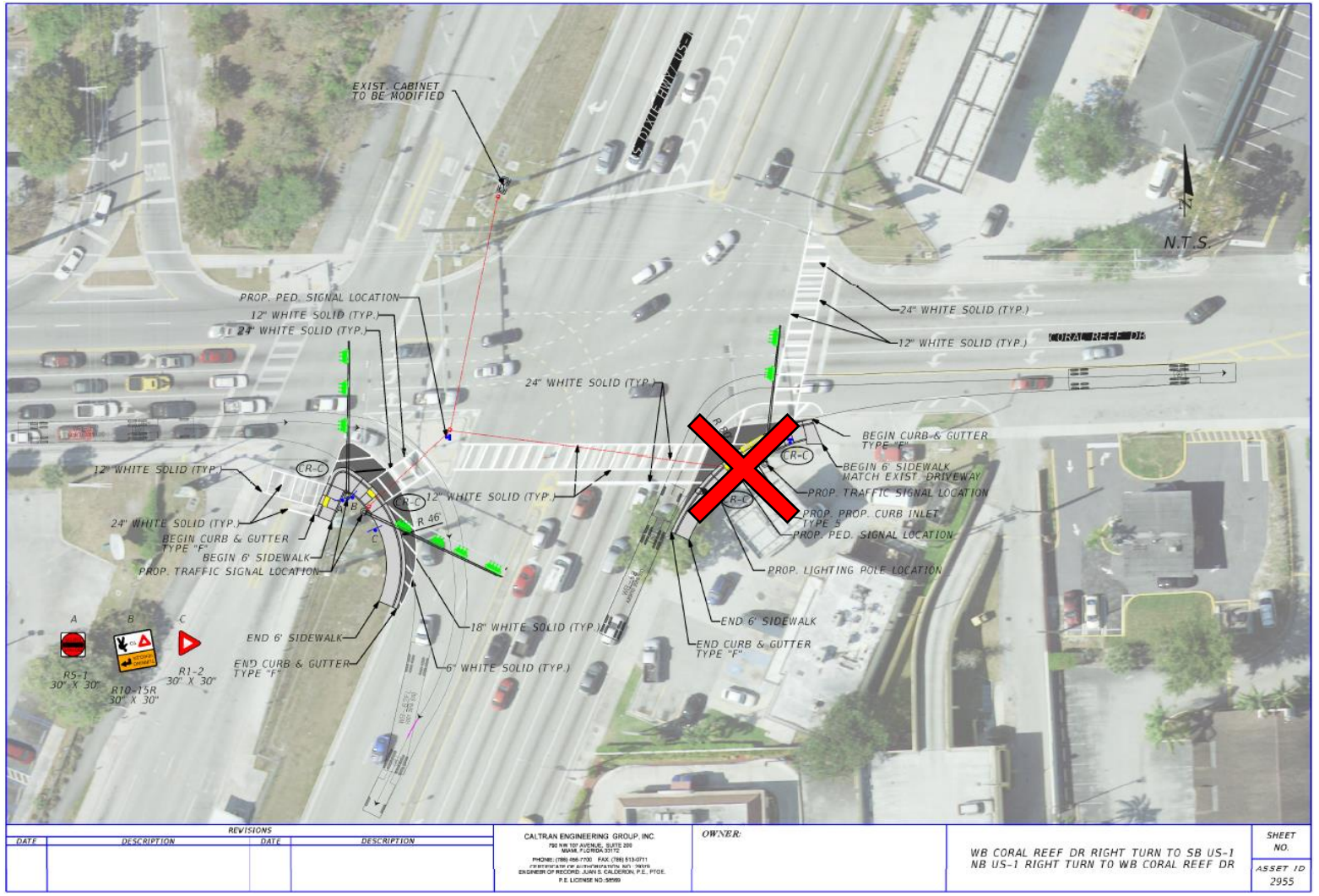


- **May require Right-of-Way acquisition.**
- This improvement proposes enhancements to all right turn movements at the intersection of Miami Gardens Drive and Red Road.
- The improvements will modify all sidewalks and crosswalks within the limits.
- This is a stand-alone project.

4264 – Red Road at Miami Gardens Drive

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 4264					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.21	$10,966.88
160 4	TYPE B STABILIZATION	SY	$1.41	395	$556.95
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	395	$10,898.05
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	22	$3,590.62
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	22	$4,332.46
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$6,010.00	270	$1,622,700.00
520 2 4	CONCRETE CURB, TYPE D	LF	$51.51	210	$10,817.10
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	190	$11,812.30
527 2	DETECTABLE WARNINGS	SF	$34.26	75	$2,569.50
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	405	$15,430.50
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	12	$16,910.40
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	8	$17,757.52
649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	$90,011.94	4	$360,047.76
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	12	$18,727.68
650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	4	$7,676.72
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	8	$10,487.28
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	8	$3,452.72
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	2	$973.18
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	4	$16,017.24
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	780	$1,981.20
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	1001	$5,315.31
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.109	$603.38
-	CONTINGENCY	15%	$323,565.26		$323,565.26
0101 1	MOBILIZATION	10%	$215,710.17		$215,710.17
0102 1	MOT	10%	$215,710.17		$215,710.17
			TOTAL		**$2,912,087.33**

2955 – US-1 at Coral Reed Drive



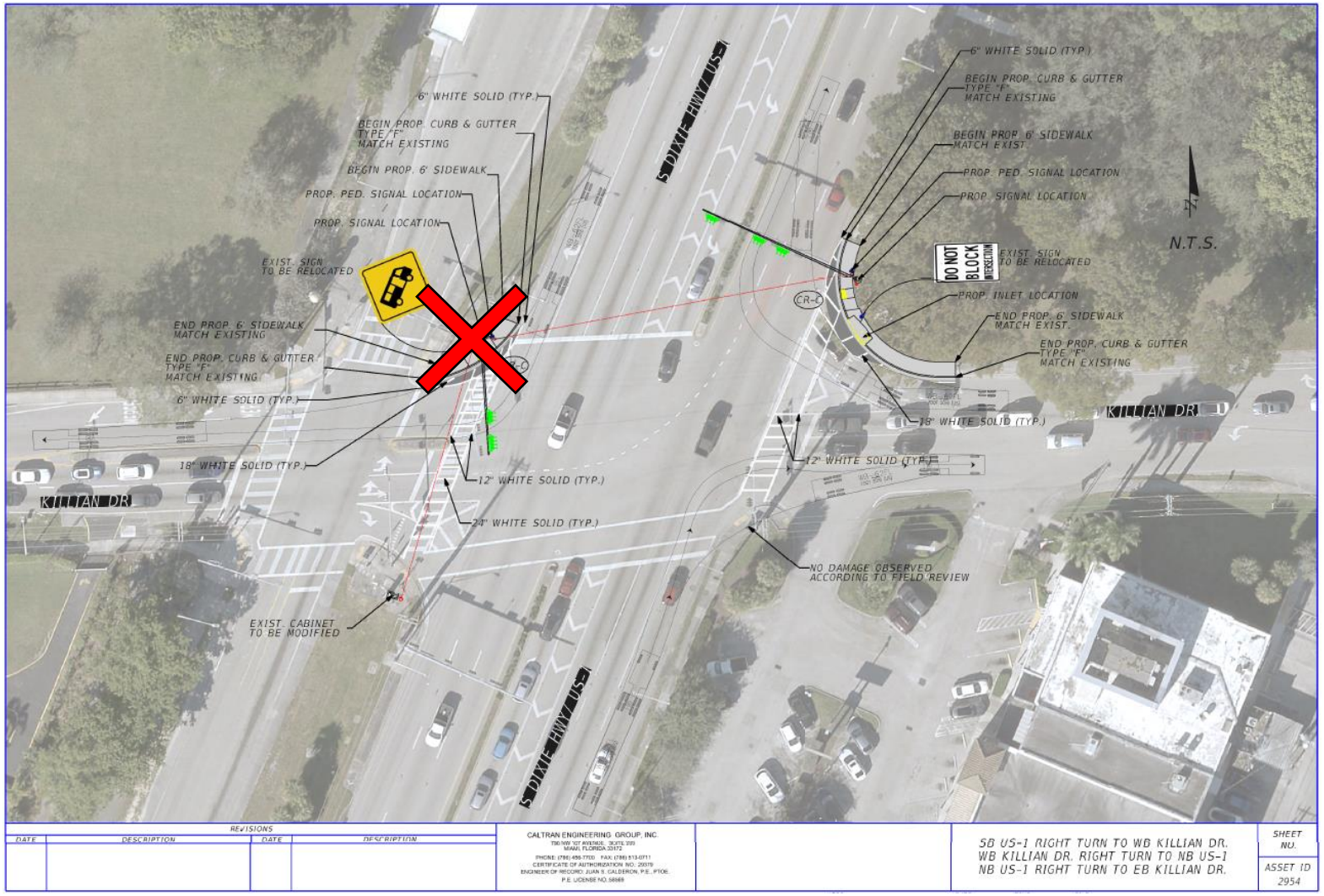
- **May require Right-of-Way acquisition.**
- Trucks heading eastbound along Coral Reef Dr will be able to make a right turn onto US-1 without encroaching onto the sidewalk.
- We will not be proposing to improve the northbound right at this time. Cost estimate will be updated in future to reflect this change.
- This is a stand-alone project.

2955 – US-1 at Coral Reed Drive

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2955					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.048	$2,506.72
160 4	TYPE B STABILIZATION	SY	$1.41	91	$128.31
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	91	$2,510.69
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	5	$816.05
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	91	$17,920.63
425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	1	$6,010.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	160	$8,241.60
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	141	$8,765.97
527 2	DETECTABLE WARNINGS	SF	$34.26	20	$685.20
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	270	$10,287.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	6	$8,455.20
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	3	$6,659.07
649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	$90,011.94	1	$90,011.94
649 21 15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	EA	$90,991.73	2	$181,983.46
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	6	$9,363.84
650 1 16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	$1,824.40	3	$5,473.20
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	3	$3,932.73
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	3	$1,294.77
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	3	$1,459.77
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	3	$12,012.93
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	321	$815.34
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	571	$3,032.01
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.017	$94.11
-	CONTINGENCY	15%	$57,890.63		$57,890.63
0101 1	MOBILIZATION	10%	$38,593.75		$38,593.75
0102 1	MOT	10%	$38,593.75		$38,593.75
			TOTAL		$521,015.63

Cost estimate will be updated to reflect the change.

2954 – US-1 at Killian Drive



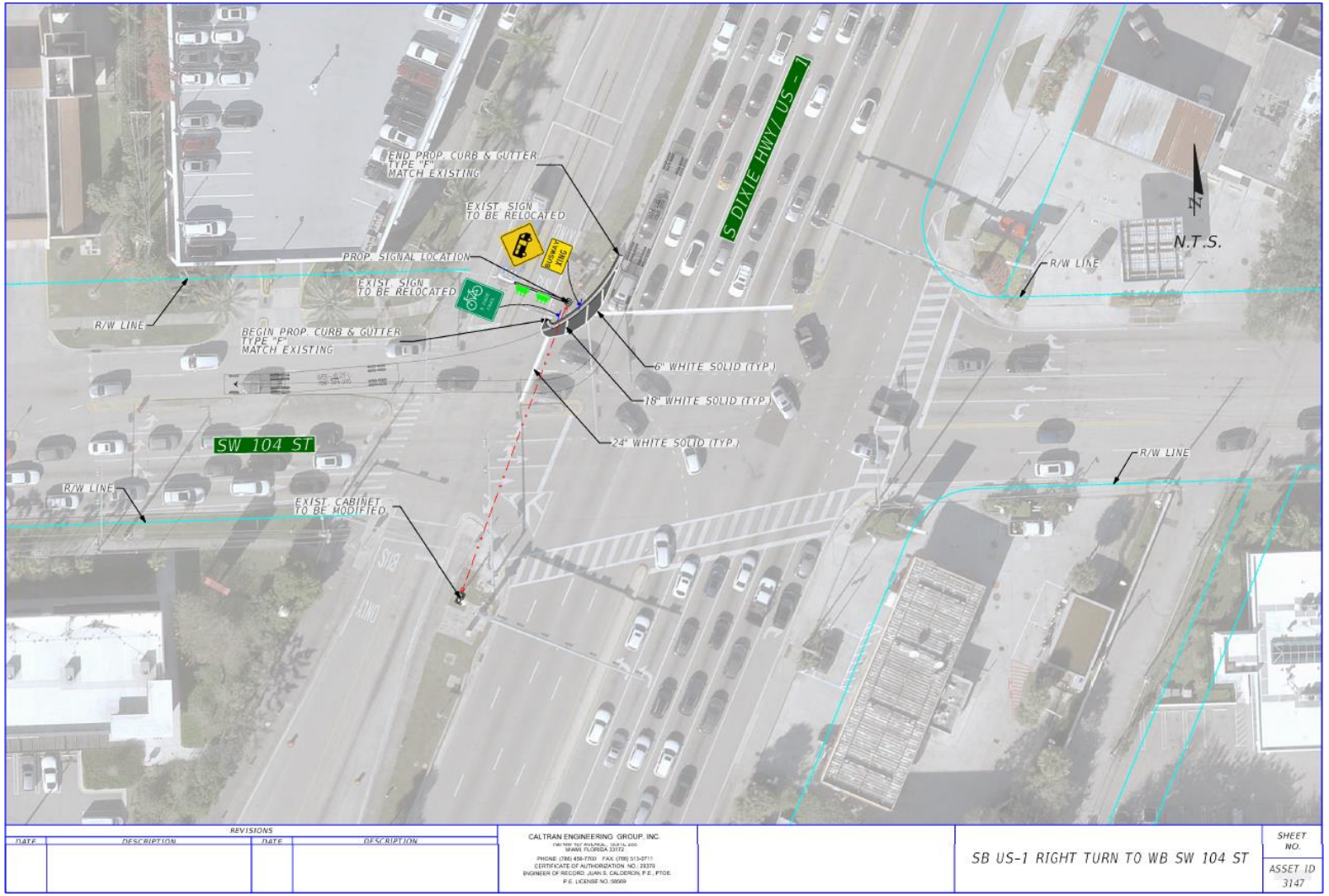
- **May require Right-of-Way acquisition.**
- Trucks heading eastbound along Killian Dr will be able to make a right turn onto US-1 without encroaching onto the sidewalk.
- We will not be proposing to improve the southbound right at this time. Cost estimate will be updated in future to reflect this change.
- This is a stand-alone project.

2954 – US-1 at Killian Drive

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
	ASSET ID 2954				
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.031	$1,618.92
160 4	TYPE B STABILIZATION	SY	$1.41	35	$49.35
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	35	$965.65
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	1.5	$244.82
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	1.5	$295.40
425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	1	$6,010.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	140	$7,211.40
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	110	$6,838.70
527 2	DETECTABLE WARNINGS	SF	$34.26	20	$685.20
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	283	$10,782.30
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	5	$7,046.00
649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	$90,011.94	1	$90,011.94
649 21 21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78'	EA	$103,802.75	1	$103,802.75
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	4	$6,242.56
650 1 16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	$1,824.40	1	$1,824.40
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	2	$2,621.82
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	2	$863.18
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	2	$973.18
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	2	$8,008.62
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	364	$924.56
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	250	$1,327.50
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.018	$99.64
711 11 224	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.01	29	$116.29
-	CONTINGENCY	15%	$39,306.17		$39,306.17
0101 1	MOBILIZATION	10%	$26,204.11		$26,204.11
0102 1	MOT	10%	$26,204.11		$26,204.11
			TOTAL		**$353,755.54**

Cost estimate will be updated to reflect the change.

3147 – US-1 at SW 104th Street

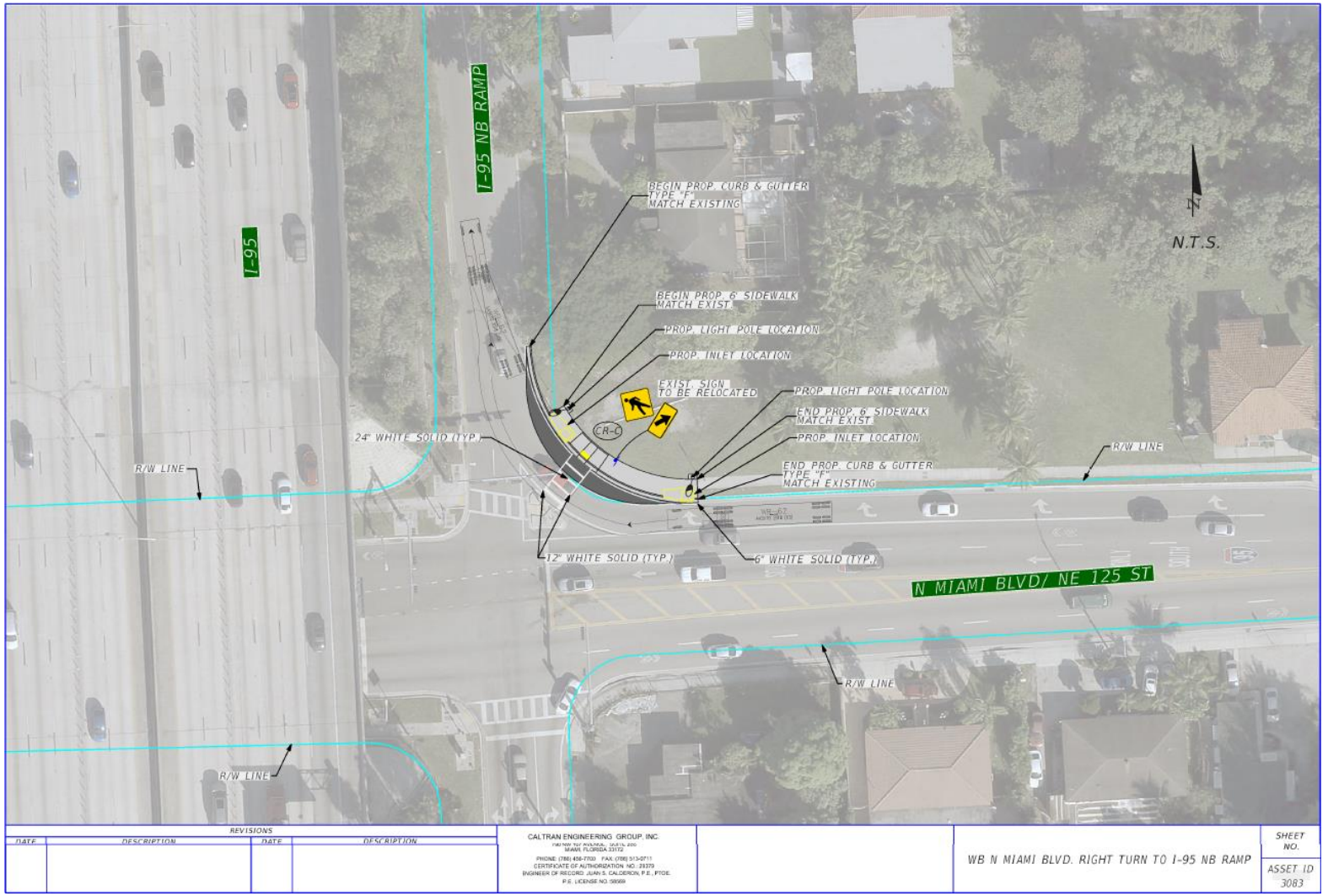


- **May require Right-of-Way acquisition.**
- Trucks heading westbound along US-1 will be able to make a right onto SW 104th Street without encroaching onto the curb.
- This is a stand-alone project.

3147 – US-1 at SW 104th Street

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3147					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.006	$313.34
160 4	TYPE B STABILIZATION	SY	$1.41	19	$26.79
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	19	$823.27
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	1	$160.83
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	1	$196.93
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	96	$3,630.72
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	125	$4,762.50
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	2	$2,818.40
649 21 1	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 30'	EA	$90,011.94	1	$90,011.94
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	2	$3,121.28
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	2	$973.18
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.011	$60.89
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	110	$584.10
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$4.01	26	$104.26
-	CONTINGENCY	15%	$17,207.61		$17,207.61
0101 1	MOBILIZATION	10%	$11,471.74		$11,471.74
0102 1	MOT	10%	$11,471.74		$11,471.74
			TOTAL		**$154,868.51**

3083 – N Miami Boulevard at I-95 NB

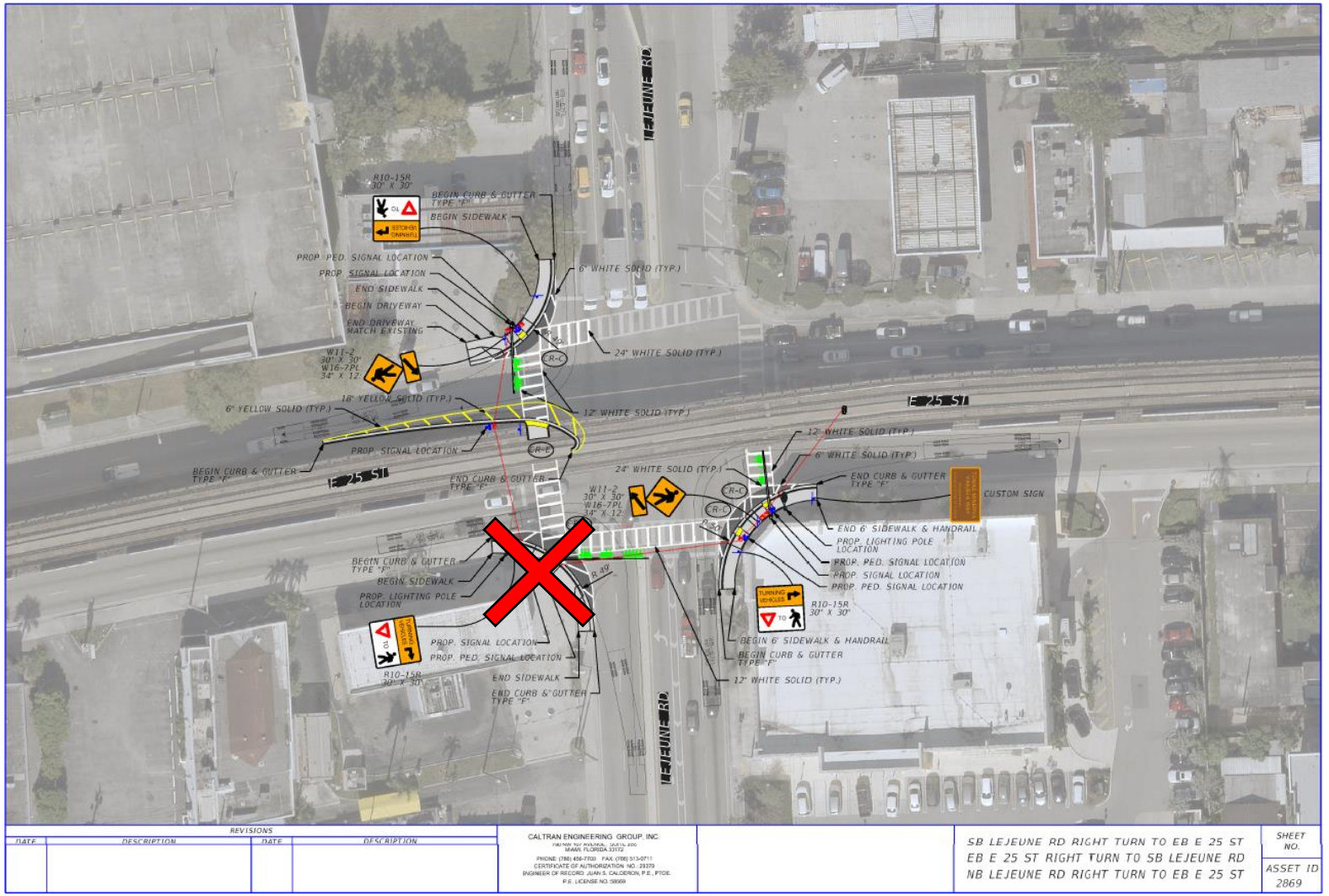


- **May require Right-of-Way acquisition.**
- Trucks heading westbound along NE 125th Street will be able to make a right onto I-95 northbound without encroaching onto the sidewalk.
- This is a stand-alone project.

3083 – N Miami Boulevard at I-95 NB

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 3083					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.029	$1,514.47
160 4	TYPE B STABILIZATION	SY	$1.41	56	$78.96
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	56	$1,545.04
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	3	$489.63
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	3	$590.79
425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	2	$12,020.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	107	$5,511.57
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	61	$3,792.37
527 2	DETECTABLE WARNINGS	SF	$34.26	10	$342.60
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	1	$486.59
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	40	$101.60
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	45	$238.95
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,635.20	0.019	$107.07
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.35	10	$3.50
715 4 60	LIGHT POLE COMPLETE, RELOCATE	EA	$3,856.14	2	$7,712.28
-	CONTINGENCY	15%	$5,297.13		$5,297.13
0101 1	MOBILIZATION	10%	$3,531.42		$3,531.42
0102 1	MOT	10%	$3,531.42		$3,531.42
			TOTAL		**$47,674.15**

2869 – LeJeune Road at E 25th Street

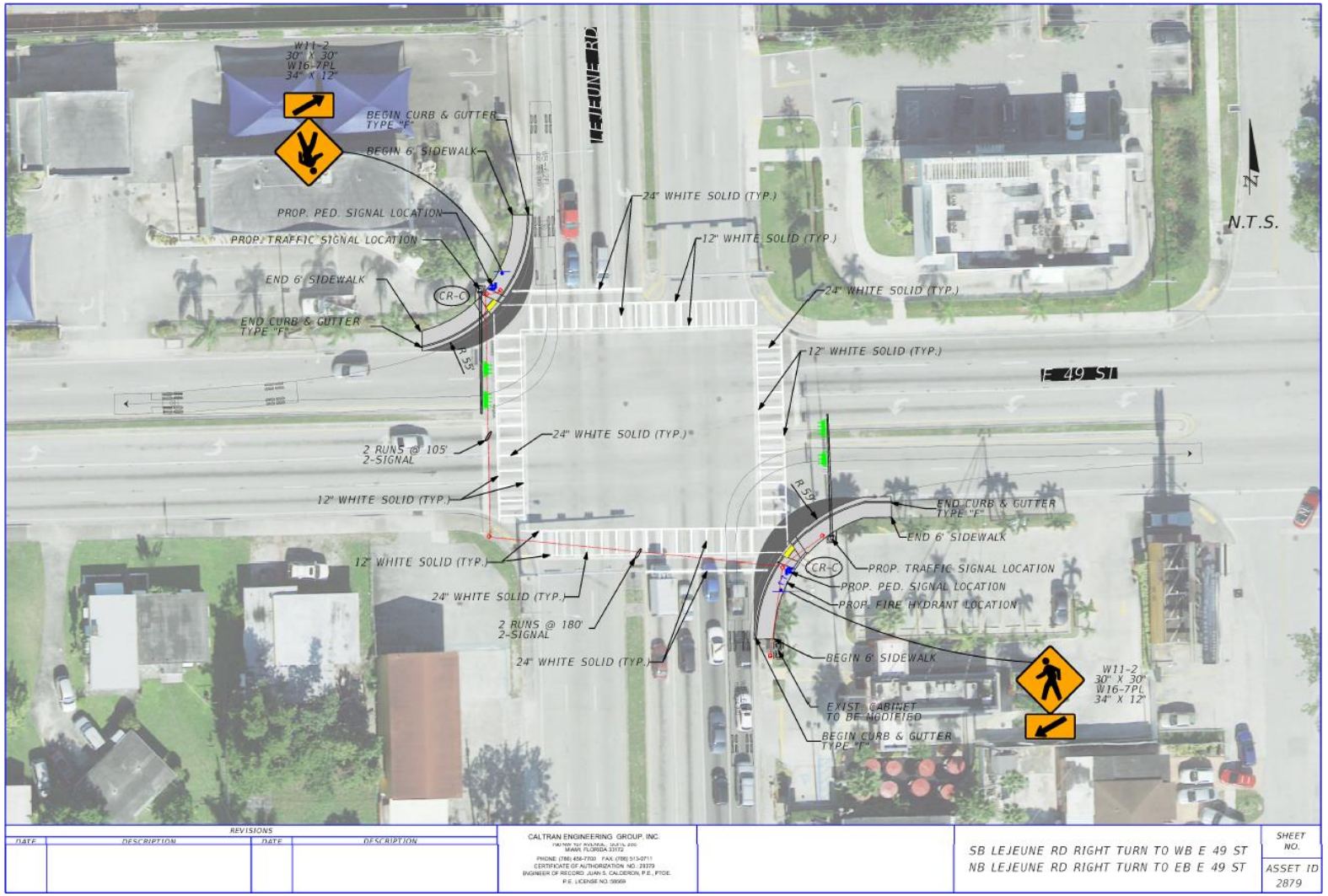


2869 – LeJeune Road at E 25th Street

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2869					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.06	$3,133.39
160 4	TYPE B STABILIZATION	SY	$1.41	95	$133.95
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	95	$4,116.35
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	6	$964.98
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	95	$18,708.35
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	339	$12,820.98
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	146	$9,076.82
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	$78.84	21	$1,655.64
527 2	DETECTABLE WARNINGS	SF	$34.26	53	$1,815.78
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	300	$11,430.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	8	$11,273.60
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	3	$6,659.07
649 21 3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	$69,241.62	2	$138,483.24
649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	$90,011.94	1	$90,011.94
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	7	$10,924.48
650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	1	$1,919.18
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	$1,948.49	2	$3,896.98
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	3	$1,294.77
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	5	$2,432.95
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	3	$12,012.93
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	440	$1,117.60
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	400	$2,124.00
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.034	$188.21
711 16 201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	$5,635.20	0.029	$163.42
711 11 224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.14	64	$264.96
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.35	30	$10.50
715 68000	LIGHT POLE COMPLETE, RELOCATE	EA	$4,873.87	2	$9,747.74
-	CONTINGENCY	15%	$54,122.61		$54,122.61
0101 1	MOBILIZATION	10%	$36,081.74		$36,081.74
0102 1	MOT	10%	$36,081.74		$36,081.74
			TOTAL		$487,103.49

Cost estimate will be updated to reflect the change.

2879 – LeJeune Road at E 49th Street

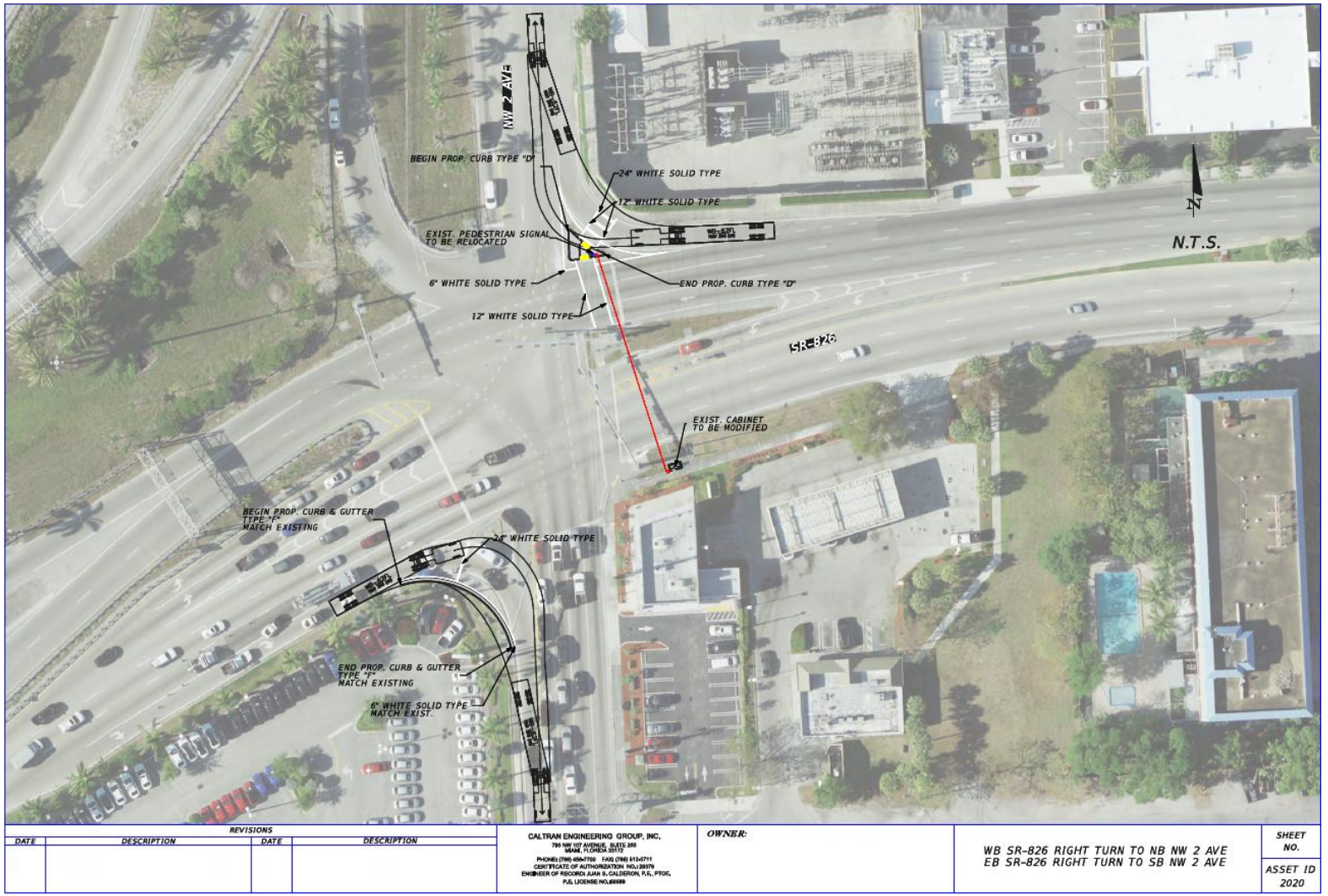


- **May require Right-of-Way acquisition.**
- Trucks heading northbound or southbound along LeJeune Road will be able to make a right turn onto E 49th Street without encroaching onto the sidewalks.
- This is a stand-alone project.

2879 – LeJeune Road at E 49th Street

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2879					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.135	$7,050.14
160 4	TYPE B STABILIZATION	SY	$1.41	76	$107.16
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$43.33	76	$3,293.08
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$160.83	11.2	$1,801.30
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	11.2	$2,205.62
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	115	$4,349.30
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	120	$7,460.40
527 2	DETECTABLE WARNINGS	SF	$78.84	20	$1,576.80
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$34.26	250	$8,565.00
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$38.10	6	$228.60
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$1,409.20	2	$2,818.40
649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$2,219.69	2	$4,439.38
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	2	$3,121.28
650 1 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	$1,919.18	2	$3,838.36
653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	$1,948.49	2	$3,896.98
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	2	$863.18
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,345.91	1	$2,345.91
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	$486.59	2	$973.18
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	2	$8,008.62
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	633	$1,607.82
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	700	$3,717.00
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.083	$459.46
-	CONTINGENCY	15%	$11,025.86		$11,025.86
0101 1	MOBILIZATION	10%	$7,350.57		$7,350.57
0102 1	MOT	10%	$7,350.57		$7,350.57
			TOTAL		**$99,232.72**

2020 – SR-826 at NW 2nd Avenue

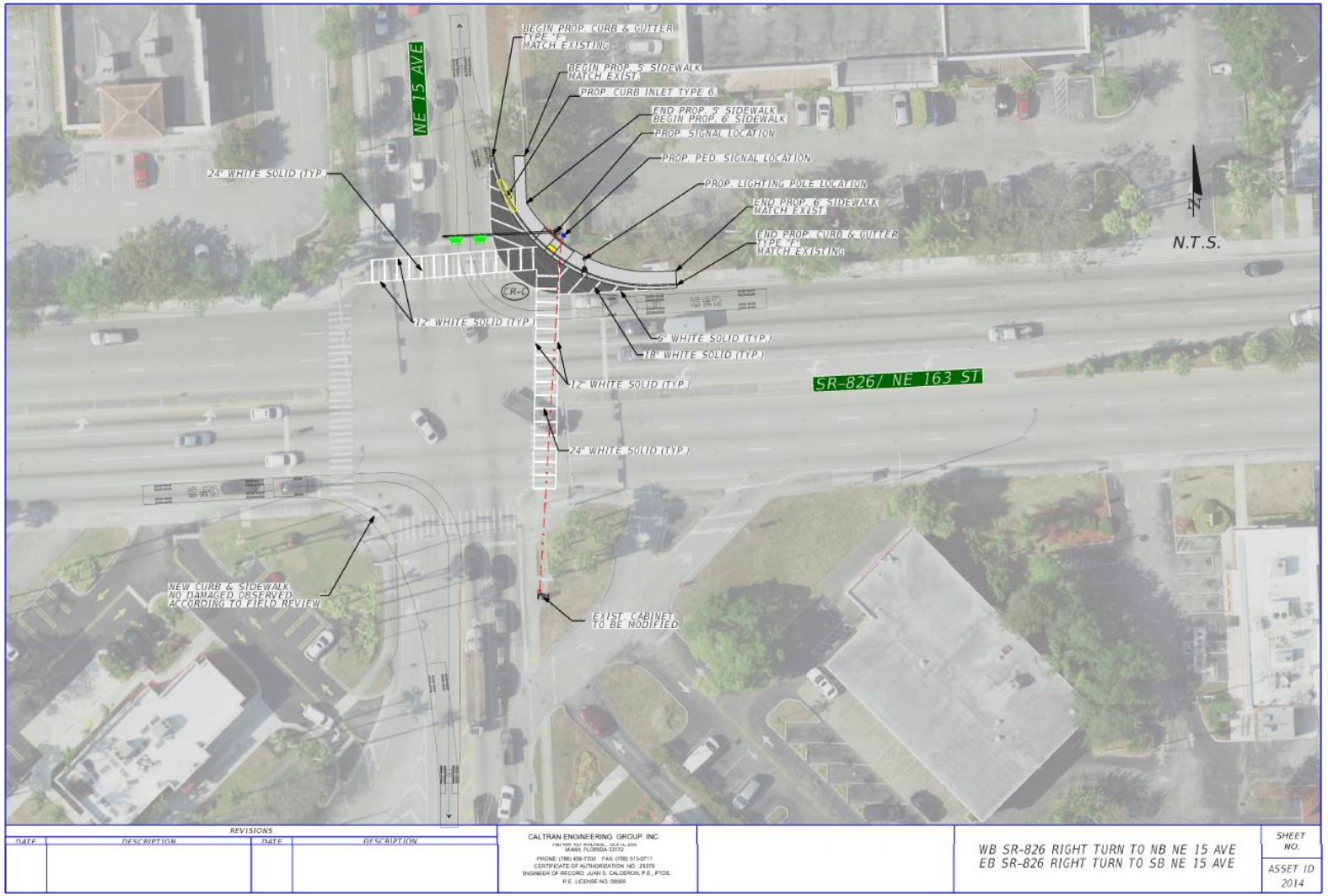


- **May require Right-of-Way acquisition.**
- For trucks heading westbound along SR-826 making a right onto NW 2nd Avenue, this improvement will reconstruct the pedestrian refuge and relocate pedestrian signal to allow trucks more maneuvering and avoid hitting fixed post.
- This is a stand-alone project.

2020 – SR-826 at NW 2nd Avenue

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2020					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.045	$2,350.05
160 4	TYPE B STABILIZATION	SY	$1.41	97	$136.77
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	97	$2,676.23
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	6	$979.26
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	SY	$196.93	97	$19,102.21
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$37.82	206	$7,790.92
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	90	$5,595.30
527 2	DETECTABLE WARNINGS	SF	$34.26	30	$1,027.80
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	117	$4,457.70
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	2	$2,818.40
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	1	$2,219.69
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	110	$279.40
711 11 124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	$4.01	106	$425.06
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	31	$164.61
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.058	$321.07
-	CONTINGENCY	15%	$8,334.59		$8,334.59
0101 1	MOBILIZATION	10%	$5,556.39		$5,556.39
0102 1	MOT	10%	$5,556.39		$5,556.39
			TOTAL		**$75,011.31**

2014 – SR-826 at NE 15th Avenue

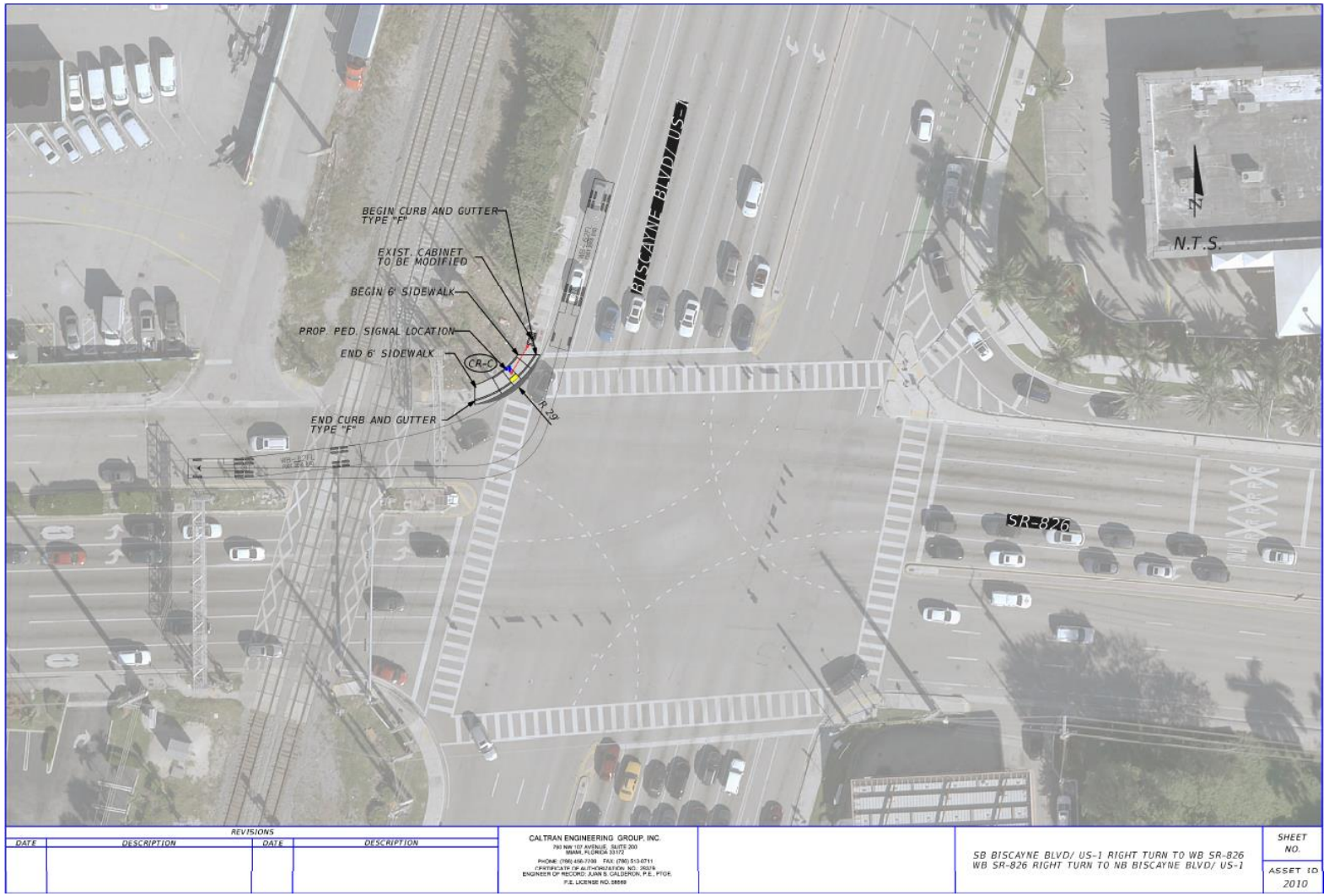


- **May require Right-of-Way acquisition.**
- Trucks heading westbound along SR-826/NE 163rd Street will be able to make a right onto NE 15th Avenue without encroaching onto the sidewalk.
- This is a stand-alone project.

2014 – SR-826 at NE 15th Avenue

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2014					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.052	$2,715.61
160 4	TYPE B STABILIZATION	SY	$1.41	103	$145.23
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	103	$2,841.77
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	8	$1,305.68
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	8	$1,575.44
425 1352	INLETS, CURB, TYPE P-5, >10'	EA	$6,010.00	1	$6,010.00
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	110	$5,666.10
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	90	$5,595.30
527 2	DETECTABLE WARNINGS	SF	$34.26	10	$342.60
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	165	$6,286.50
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	3	$4,227.60
649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	$67,972.67	1	$67,972.67
650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	$1,560.64	2	$3,121.28
653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAY	AS	$1,948.49	1	$1,948.49
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
700 5 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEADMOUNT, UP TO 12 SF	EA	$4,004.31	1	$4,004.31
711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	$2.54	354	$899.16
711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	$5.31	300	$1,593.00
711 11 224	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	$4.01	78	$312.78
711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	$5,535.64	0.026	$143.93
715 1 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	$0.35	6	$2.10
715 68000	LIGHT POLE COMPLETE, RELOCATE	EA	$4,873.87	1	$4,873.87
-	CONTINGENCY	15%	$18,092.40		$18,092.40
0101 1	MOBILIZATION	10%	$12,061.60		$12,061.60
0102 1	MOT	10%	$12,061.60		$12,061.60
			TOTAL		**$167,707.58**

2010 – SR-826 at US-1/Biscayne Boulevard



- **May require Right-of-Way acquisition.**
- Trucks heading southbound along US-1/Biscayne Boulevard will be able to make a right onto SR-826/NE 163rd Street with minimal encroachment onto the sidewalk.
- This is a stand-alone project.

2010 – SR-826 at US-1

PAY ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QTY	TOTAL
ASSET ID 2010					
102 1	MAINTENANCE OF TRAFFIC	LS	$778.76	1	$778.76
110 1 1	CLEARING & GRUBBING	AC	$52,223.24	0.024	$1,253.36
160 4	TYPE B STABILIZATION	SY	$1.41	14	$19.74
285 7 6	OPTIONAL BASE, BASE GROUP 6	SY	$27.59	14	$386.26
334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C 1"	TN	$163.21	2	$326.42
337 7 80	ASPHALTIC CONCRETE, FRICTION COURSE, TRAFFIC B	TN	$196.93	2	$393.86
520 1 10	CONCRETE CURB AND GUTTER, TYPE F	LF	$51.51	35	$1,802.85
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	$62.17	90	$5,595.30
527 2	DETECTABLE WARNINGS	SF	$34.26	27	$925.02
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	$38.10	13	$495.30
635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	$1,409.20	2	$2,818.40
646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	$2,219.69	1	$2,219.69
653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	$1,310.91	1	$1,310.91
665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	$431.59	1	$431.59
670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	$2,698.21	1	$2,698.21
-	CONTINGENCY	15%	$3,218.35		$3,218.35
0101 1	MOBILIZATION	10%	$2,145.57		$2,145.57
0102 1	MOT	10%	$2,145.57		$2,145.57
			TOTAL		**$28,965.15**

Contact

Daniel Lameck
Freight & Federal Grants Coordinator
Modal Development Office

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Daniel.Lameck@dot.state.fl.us

QUESTIONS?

Truck Turning Radii Assessment Phases III & IV

Scoping Committee Presentation

FDOT District Six Modal Development Office
Freight & Federal Grants Coordinator

May 2024

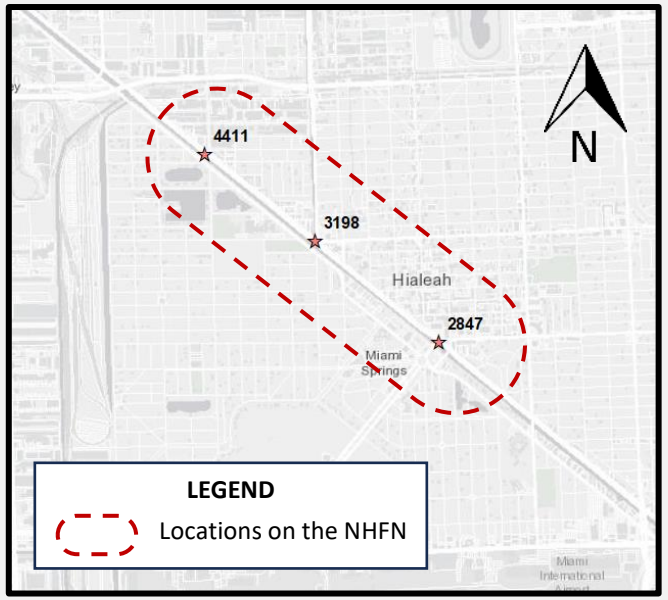
Deficient Locations on the National Highway Freight Network (NHFN)

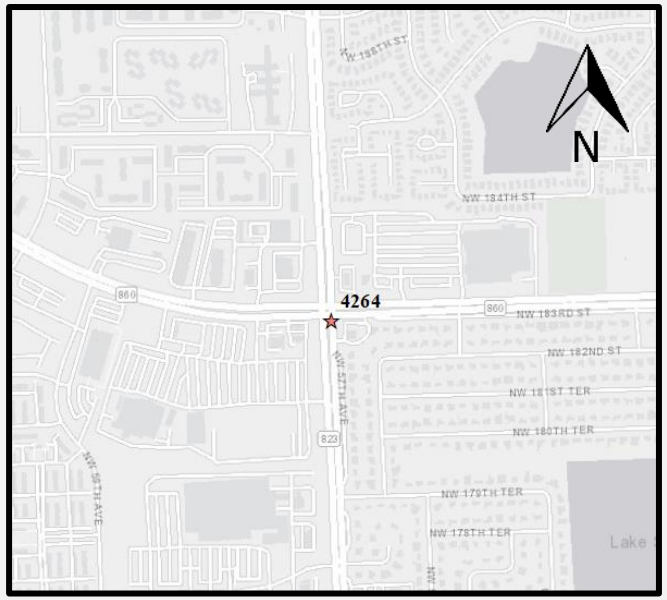
There are three (3) locations to be included within FM 447828-1, Resurfacing project under Paola Martinez:

- 4411 – Okeechobee Rd at W 8 Ave / W 16 St
- 3198 – Okeechobee Rd at Red Rd / W 9 St
- 2847 – Okeechobee Rd at Hialeah Dr

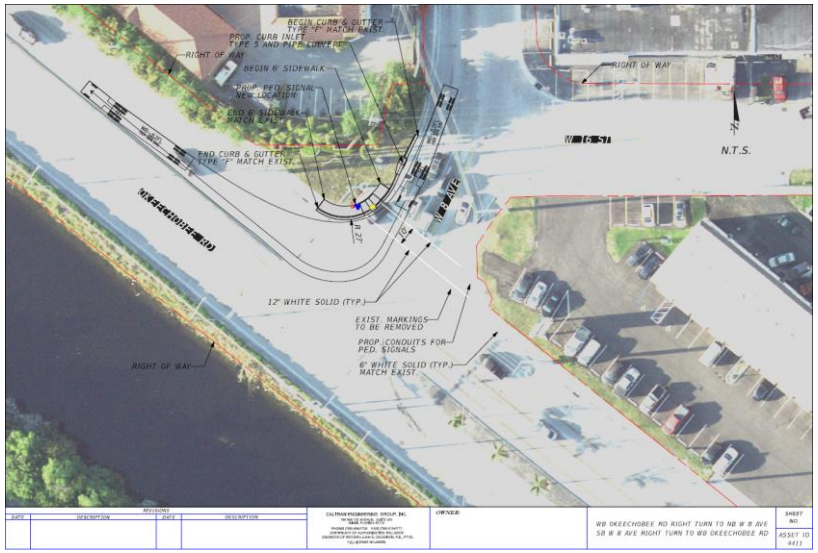
There is one (1) location to be included within FM 438864-4, PD&E project under Carlos H Perez

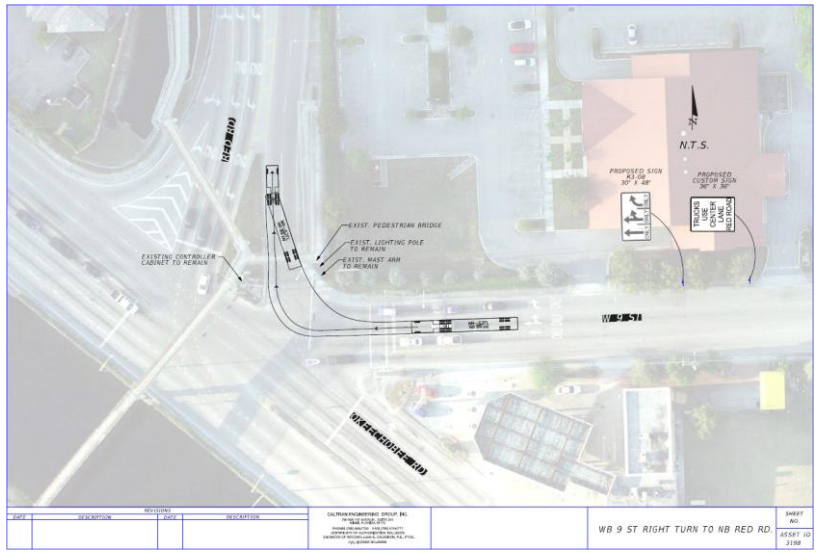
- 4264 – Red Road at Miami Gardens Drive

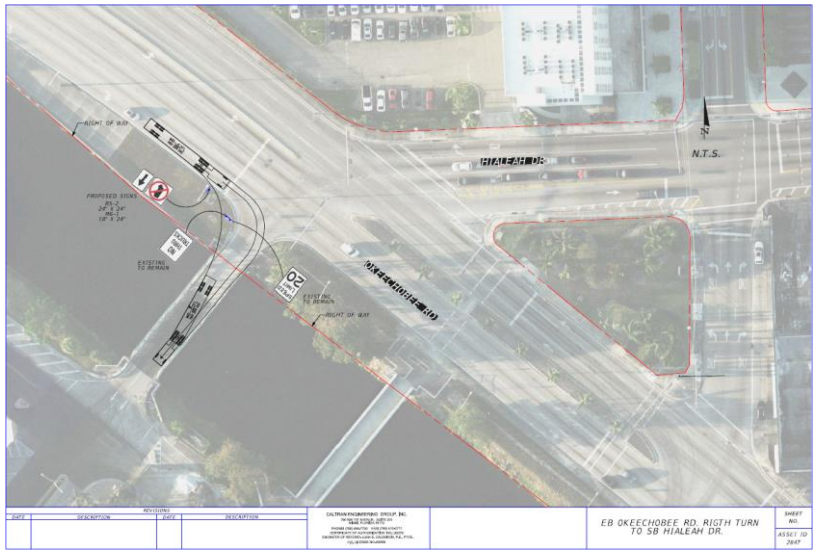




Locations within FM 447828-1, Resurfacing







4411 – Okeechobee Rd at W 8 Ave / W 16 St

- Improvement to sidewalk will allow trucks heading south on W 8th Avenue to perform a right turn onto Okeechobee without encroaching onto sidewalk. No ROW required.

3198 – Okeechobee Rd at Red Rd / W 9 St

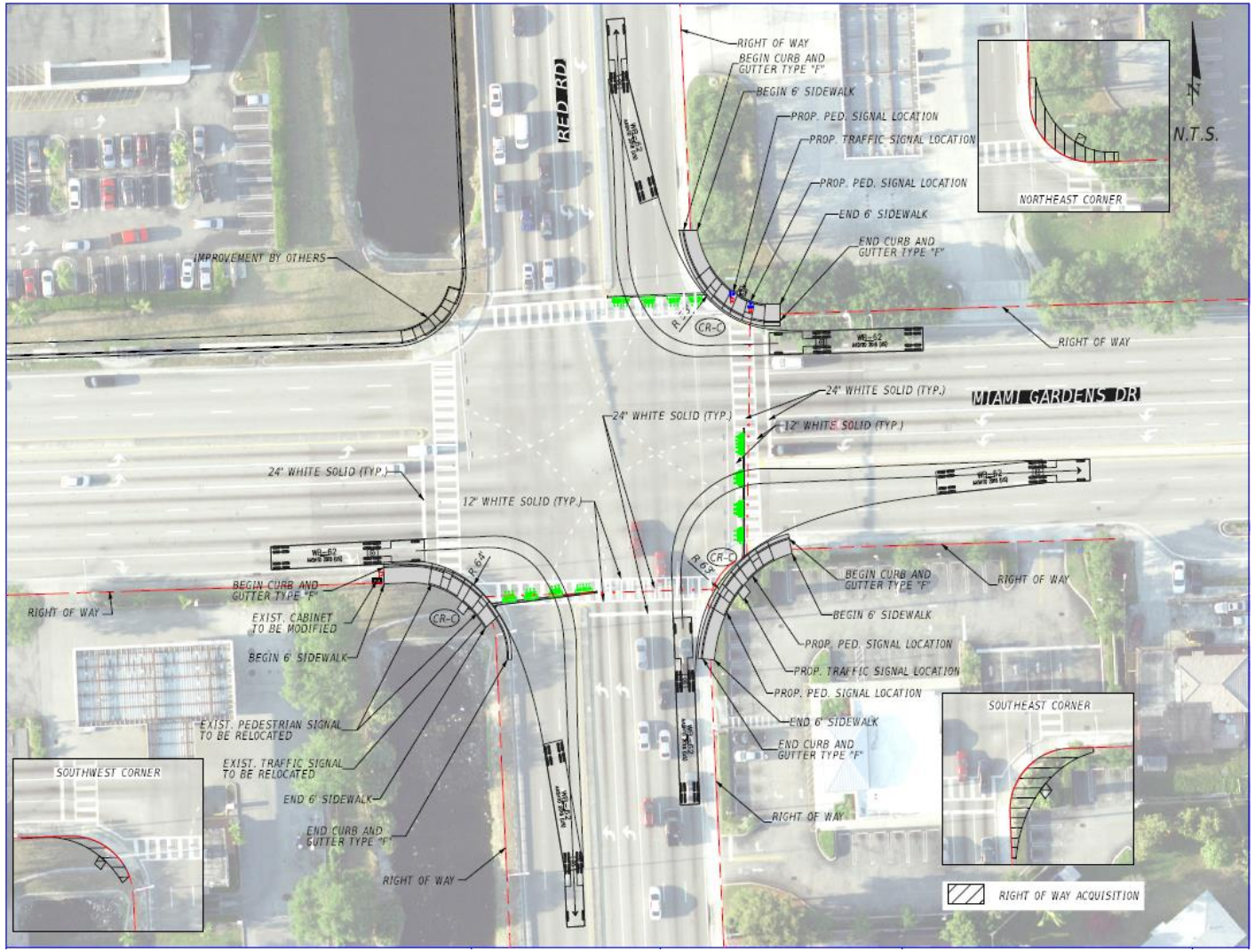
- The proposed signage will allow trucks heading west along W 9th Street to use the center lane to make a right turn onto Red Road.
- A traffic study to approve the "truck use center lane" signage is required by Traffic Operations. Traffic Study is not included in the cost estimate.

2847 – Okeechobee Rd at Hialeah Dr

- Install "No through trucks" signs for trucks heading EB along Okeechobee to not make a right turn onto Curtiss Parkway Bridge.

Total Est. Construction Cost: $ 48,584.04

Location within FM 438864-4, PD&E



4264 – Red Road at Miami Gardens Drive

- This improvement proposes enhancements to right turn movements at the intersection of Miami Gardens Drive and Red Road.
- The NW corner improvements are already included within the project and will address the deficiencies at this location.
- The NE, SE, and SW corner proposed improvements will modify sidewalks and crosswalks to accommodate turning deficiencies. These locations will require ROW.

Total Est. Construction Cost:	**$ 603,109.39***
Right of Way Acquisition Area	1,360 S.F.

* Cost Estimate does not include ROW

Contact

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QUESTIONS?