

**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR/Bridge Profile Report with PDF attachment(s)
Inspection**

Structure ID: 890151

DISTRICT: D4 - Ft. Lauderdale

INSPECTION DATE: 6/29/2018 YWUQ

BY: Transystems Corporation Consultants	STRUCTURE NAME: New Roosevelt
OWNER: 1 State Highway Agency	YEAR BUILT: 1997
MAINTAINED BY: 1 State Highway Agency	SECTION NO.: 89 015 000
STRUCTURE TYPE: 6 P/S Conc Continuous - 21 Segmental Box Girder	MP: 0.118
LOCATION: 1mi S of SR-707 on SR-5	ROUTE: 00001
SERV. TYPE ON: 5 Highway-pedestrian	FACILITY CARRIED: SB US-1/SR-5
SERV. TYPE UNDER: 8 Hwy-waterway-RR	FEATURE INTERSECTED: St. Lucie River/SR-707

 FUNCTIONALLY OBSOLETE STRUCTURALLY DEFICIENT

TYPE OF INSPECTION: Regular NBI

DATE FIELD INSPECTION WAS PERFORMED: ABOVE WATER: 6/29/2018 UNDERWATER: 6/27/2018

SUFFICIENCY RATING: 97.8
HEALTH INDEX: 96.22

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- THIS BRIDGE CONTAINS FRACTURE CRITICAL COMPONENTS
- THIS BRIDGE IS SCOUR CRITICAL
- THIS REPORT IDENTIFIES DEFICIENCIES WHICH REQUIRE PROMPT CORRECTIVE ACTION
- FUNCTIONALLY OBSOLETE STRUCTURALLY DEFICIENT

TYPE OF INSPECTION: Regular NBI
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OVERALL NBI RATINGS:

DECK: 7 Good	CHANNEL: 7 Minor Damage
SUPERSTRUCTURE: 7 Good	CULVERT: N N/A (NBI)
SUBSTRUCTURE: 7 Good	SUFF. RATING: 97.8
PERF. RATING: Good	HEALTH INDEX: 96.22

FIELD PERSONNEL / TITLE / NUMBER:

Noel, Benjamin - Team Leader (CBI#00537) (lead)
 Gutierrez, Carlos - Bridge Inspector (CBI#00492)
 Narvaez, Ricardo - Lead Bridge Inspector/Diver (CBI #447)
 Seelig, Justin - Assistant Bridge Inspector/Diver
 Fishman, David - Assistant Bridge Inspector/Diver
 Wichmann, Tanner - Assistant Bridge Inspector/Diver

INITIALS

BN Digitally signed by BN
Date: 2018.08.21 10:00:34 -0400

REVIEWING BRIDGE INSPECTION SUPERVISOR:

Rodriguez, Natalie - Bridge Inspector (PE #70945)

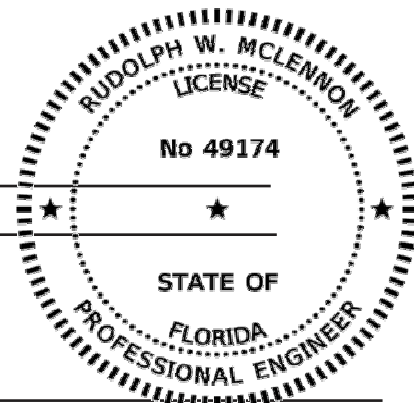
NMR Digitally signed by NMR
Date: 2018.08.21 10:00:16 -0400

CONFIRMING REGISTERED PROFESSIONAL ENGINEER:

McLennon, R. Wayne - PE #49174 Transystems Corporation Consultants
 3230 West Commercial Blvd.
 Suite 450 (Auth. No. 00007503)
 Ft. Lauderdale Florida 33309

Rudolph W McLennon

SIGNATURE: _____
DATE: _____ 2018.08.21 10:00:34 -04'00'



This report has been digitally signed and sealed by Rudolph W. McLennon, PE on the date adjacent to the seal as required by Rule 61G15-23.004, F.A.C.. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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DECKS : Joints

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	303 / 4	Assem Jnt With Seal									305 ft
Structure Unit 0											

Element Inspection Notes:

303/4 Note: This element quantifies the joint at Piers 6, 11, 16, 21 and End Bent 1.

[REDACTED]

C/S-1

9) There is minor dirt on all assembly joints throughout the bridge. This is a recurring condition. NO CHANGE.

[REDACTED]

[REDACTED]

MISCELLANEOUS : Channel

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	8290 / 4	Channel	1	100	0	.	0	.	0	.	1 (EA)

Element Inspection Notes:

8290/4 Underwater Inspection:

Note: Reason for profile change of 2-feet is due to the change in reference point from the waterline to the top of the footers previous measurement method used and/or local scour. Top of footing will be used in all future inspections as the reference point. The changes do not affect the structural integrity of the bridge at this time.

No deficiencies were noted.

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MISCELLANEOUS : Other Elements

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	321 / 4	Re Conc Approach Slab	2340	95.9	0	.	100	4.1	0	.	2440 sq.ft
Structure Unit 0	1130 / 4	Cracking (RC and Other)	0	.	0	.	100	100	0	.	100 sq.ft

Element Inspection Notes:

321/4 C/S-3
1) There are several longitudinal cracks up to 20ft. L x 1/16in. W in the approach slabs (total 100sf.). NO CHANGE. See Photos 321-S01.

PREVIOUS RECOMMENDED CORRECTIVE ACTION:

Replace/tighten missing and loose screws on the electrical hatch covers at the north approach sidewalk east face of the west parapet. (Item 2)

CORRECTIVE ACTION EVALUATION:

Completed. No work order was previously issued.

1130/4 Refer to EIN 1.

MISCELLANEOUS : Other Elements

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	8478 / 4	MSE Walls									217 ft

Element Inspection Notes:

8478/4 No deficiencies were noted.

The previously noted vegetation growth on the MSE wall at the north end of the bridge have been removed.

SUBSTRUCTURE : Substructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	210 / 4	Re Conc Pier Wall									453 ft
Structure Unit 0											

Element Inspection Notes:

210/4

[REDACTED]

Secondary:

Note: Column lights were inspected as part of this element and no deficiencies were noted.

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SUBSTRUCTURE : Substructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	215 / 4	Re Conc Abutment									125 ft

Element Inspection Notes:

215/4

Secondary:

- 1) The top of End Bent 1 cap exhibits pigeon excrement. NO CHANGE.
- 2) The southwest part of End Bent 1 cap exhibits water stain marks. NO CHANGE.

PREVIOUS RECOMMENDED CORRECTIVE ACTION:

Remove pigeon excrement from the top of End Bent 1 cap. (Item 1)

CORRECTIVE ACTION EVALUATION:

Completed; however, this is an ongoing condition. Completion Date 09/26/18. Site # 8458887.

SUBSTRUCTURE : Substructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	220 / 4	Re Conc Pile Cap/Ftg									580 ft
Structure Unit 0											
Structure Unit 0											

Element Inspection Notes:

220/4

Underwater Inspection:

Note: Piers 4 through 18 have 1 footing each.

Cleaning Log: Several strips on Footings 4 and 12 and all deficiencies were cleaned.

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Note: The fender system is shared with Bridge No. 890152 NB. Only sections 1 thru 9 of the north and south fender systems were inspected and quantified for this structure. Refer to fender sketches for layout and deficiency locations.

C/S-3

North Fender:

- 1) The following piles have spalls up to 14in. H x 6in. W x 3in. D with exposed steel at the top of the pile, however, the exposed steel has been epoxy coated since the previous inspection and only minor corrosion is bleeding thru at C2P3, S2P4, C3P3 and S5P2 (total 4ft.). NO CHANGE.
- 2) The following piles have a spall up to 14in. H x 6in. W x 1in. D with no exposed steel at the top of the pile: C8P3 and S8P2 (total 2ft.). NO CHANGE.

South Fender:

- 3) The following piles have spalls up to 14in. H x 6in. W x 3in. D with exposed steel at the top of the pile; however, the exposed steel has been epoxy coated since the previous inspection and only minor corrosion is bleeding thru at C7P3 and S7P4 (total 2ft.). NO CHANGE.
- 4) The following piles have a spall up to 14in. H x 6in. W x 1in. D with no exposed steel at the top of the pile: C8P3, S9P2 and S9P4 (total 3ft.). NO CHANGE.

Secondary:

North and South Fenders:

- 5) The cable clamps for the top and bottom wire ropes have heavy corrosion. NO CHANGE
- 6) The pile attachment bolts for the bottom 3 wales typically have heavy corrosion. NO CHANGE
- 7) All cable wraps exhibit moderate to heavy corrosion. NO CHANGE
- 8) The south fender section 3, the J-box has a missing the cover with exposed wires. NEW. See Photo 8387-S01.

PREVIOUS RECOMMENDED CORRECTIVE ACTION:

- 1) Repair the corroded saddle clamps throughout the fender system. (Item 5)
- 2) Repair the connection bolts for the bottom 3 walers. (Item 6)
- 3) Repair the corroded cable wraps. (Item 7)

CORRECTIVE ACTION EVALUATION:

- 1) Not Completed. No work order was previously issued.
- 2) Not Completed. No work order was previously issued.
- 3) Not Completed. No work order was previously issued.

1080/4 Refer to EIN 1 thru 4.

SUPERSTRUCTURE : Bearings

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	314 / 4	Pot Bearing									20 each
Structure Unit 0											

Element Inspection Notes:

314/4 [REDACTED]

[REDACTED]

[REDACTED]

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SUPERSTRUCTURE : Superstructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	104 / 4	Pre Clsd Box Girder									4488 ft
Structure Unit 0											
Structure Unit 0											
Structure Unit 0	1120 / 4	Efflorescence/Rust Staining									2 ft

Element Inspection Notes:

104/4 See Element Inspection Notes following the Photos.



1120/4 Refer to EIN 17.

SUPERSTRUCTURE : Superstructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	331 / 4	Re Conc Bridge Railing	8976	100	0	.	0	.	0	.	8976 ft

Element Inspection Notes:

331/4 No deficiencies were noted.

The previously noted spalls with no exposed steel in the east concrete bridge barrier in Span 7 (between the 8th and 9th light poles from the south) have been repaired.

SUPERSTRUCTURE : Superstructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	333 / 4	Other Bridge Railing	4488	100	0	.	0	.	0	.	4488 ft

Element Inspection Notes:

333/4 No deficiencies were noted.

SUPERSTRUCTURE : Superstructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	8398 / 4	Drainage System - Other	1	100	0	.	0	.	0	.	1 (EA)

Element Inspection Notes:

8398/4 C/S-1
1) The drainage inlets at the deck top exhibit minor dirt and debris. NO CHANGE. See Photo 398-S01.

SUPERSTRUCTURE : Superstructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	8580 / 4	Navigational Lights	0	.	1	100	0	.	0	.	1 (EA)

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8580/4 Note: This element quantifies the navigational lights on the bridge rail (1), fender system (4), and clearance gauge light (1) for a total of 6 lights. Refer to fender system layout sketch for locations.

C/S-1

1) The anchor bolts support for the navigational light in Span 8 exhibits corrosion. NO CHANGE.

PREVIOUS RECOMMENDED CORRECTIVE ACTION:

- 1) Clean and paint anchor bolts support for the navigational light in Span 8. (Item 1)
- 2) Repair the corroded conduit clamps on the north fender. (Item 2)
- 3) Repair the north fender center light fixture base plate. (Item 3)
- 4) Repair the south fender center light fixture lid. (Item 4)

CORRECTIVE ACTION EVALUATION:

- 1) Not Completed. No work order was previously issued.
- 2) Completed. Completion Date 12/07/17. Site # 8617391.
- 3) Completed. Completion Date 7/25/17. Site # 8617389.
- 4) Completed. Completion Date 11/28/17. Site # 8617390.

Total Number of Elements*: 17

*excluding defects/protective systems

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Inspector Recommendations

UNIT: Structure SUBSTRUCTURE

Unit 0

ELEMENT/ENV: 8387 / 4 PS Fender/Dolphin

ELEM CATEGORY: Substructure

CONDITION STATE	PRIORITY
1, 3 MMS Quantity: 1 mh Element Estimated Quantity: 1 ft	3

WORK ORDER RECOMMENDATION:

Replace missing J-box cover at the south fender, Section 3. (Item 8)

Structure Notes

1) Lighting systems is functioning properly inside the boxes.



3) There is a fishing pier below the bridge at the south end.

The inventory photos were last updated on 06/01/2014.

The following underwater elements were inspected during the 2018 Routine NBI Inspection:

- 8290 Channel (1 ea.)
- 220 Re Conc Pile Cap/Ftg (305 ft.)
- 226 Pre Conc Pile [REDACTED]
- 8387 P/S Fender/Dolphin (144 ft.)
- 8580 Navigational Lights (1 ea.)
- 234 Re Conc Pier Cap (Fishing Pier) (210 ft.)

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INSPECTION NOTES: YWUQ 6/29/2018

Sufficiency Rating Calculation Accepted by kn853lm-P at 8/21/2018 9:35:57 AM

LOAD CAPACITY EVALUATION:

Since the current load rating dated 03/19/2001, there is no indication that deterioration, geometric changes or additional dead load have occurred that would warrant a new load rating analysis. This only applies to this inspection dated 06/29/2018 per R. Wayne McLennon, P.E..

ROUTINE INSPECTION FISHING PIER (06/29/18):

Notes: The following information is for the fishing pier located at the south end between both bridges.

The Fishing Pier starts on the south shore between Bridge Number 890151 SB and 890152 NB. It extends north from the shoreline and ends at the Pier 6 Footings.

ROUTINE UNDERWATER INSPECTION - FISHING PIER:

Element 226 - Pre Conc Pile QTY=24ea.

Bents 1 thru 12 have two 14in. square concrete piles each.

Cleaning Log: Piles 5-1, 5-2 and 7-1 were cleaned.

No deficiencies were noted.

Element 234 - Re Conc Pier Cap Qty = 210lf.

Bent Caps 1 thru 12 are each 17ft.-6in. long.

Cleaning Log: Several strips at random locations were cleaned.

- 1) The right rail adjacent to joint 4 has (1) missing Pickett. NEW. See Inspection Notes Photo 1.
- 2) The fishing pier joints over the bent caps show signs of adhesion failure and weathering. NEW. See Inspection Notes Photo 2.
- 3) Light Post # 5 left side has a broken / missing cover lens. NEW. See Inspection Notes Photo 3.
- 4) Light Post #13 at Pier 6 is missing the luminaire assembly. NEW. See Inspection Notes Photo 4.

Fishing Pier Underside:

- 5) At Bent 2 cap west face the light post J-box wires are exposed. NEW.
- 6) Span 3 south of Bent 2 cap the light post J-box wires are exposed. NEW. See Inspection Notes Photo 5.
- 7) Span 4 south of Bent 5 cap the light post J-box wires are exposed. NEW.
- 8) Span 5 south of Pier 6 broken PVC with exposed wires at the strut. NEW.

Work Order Recommendations:

- 1) Replace missing Pickett at the right rail adjacent to joint 4. (Item 1)
- 2) Replace fishing pier joints over the bent cap due to adhesion failure and weathering. (Item 2)
- 3) Replace missing/broken cover lens at Light Post # 5. (Item 3)
- 4) Replace missing luminaire assembly at Light Post #13 at Pier 6. (Item 4)
- 5) Enclose exposed J-box wires at Bent 2 cap west face of the light post. (Item 5)
- 6) Enclose exposed J-box wires at Span 3 south of Bent 2 cap and Span 4 south of Bent 5 cap light post. (Items 6 and 7)
- 7) Replace broken PVC with exposed wires at the strut of Span 5 south of Pier 6. (Item 8)

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West Elevation

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North Approach Looking South

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Detour Route

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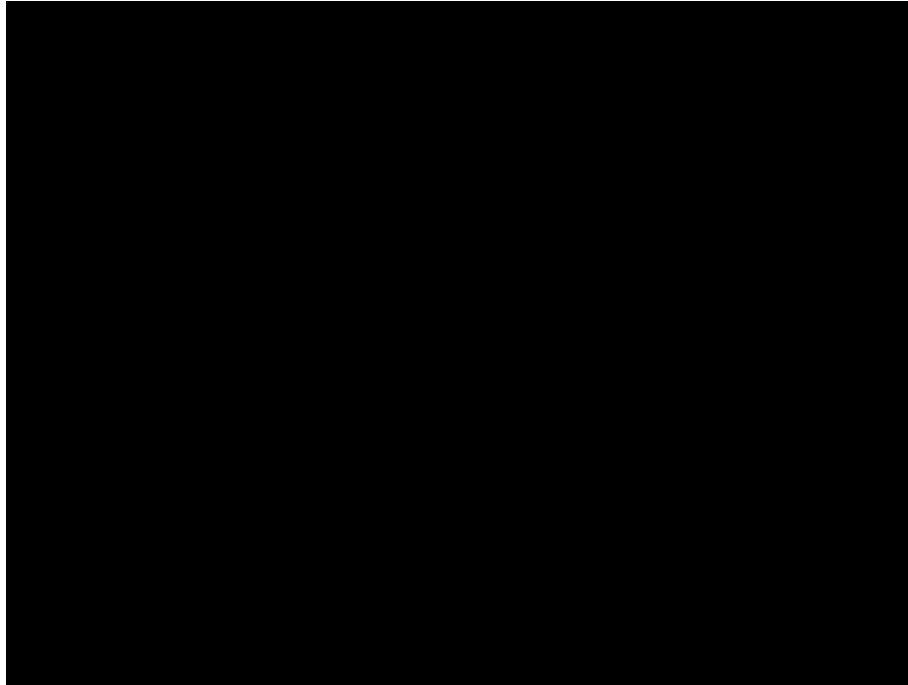


Photo 300-S01 (Unit 0: Strip Seal Exp Joint)

Accumulation of sand in the strip joint at End Bent 22.

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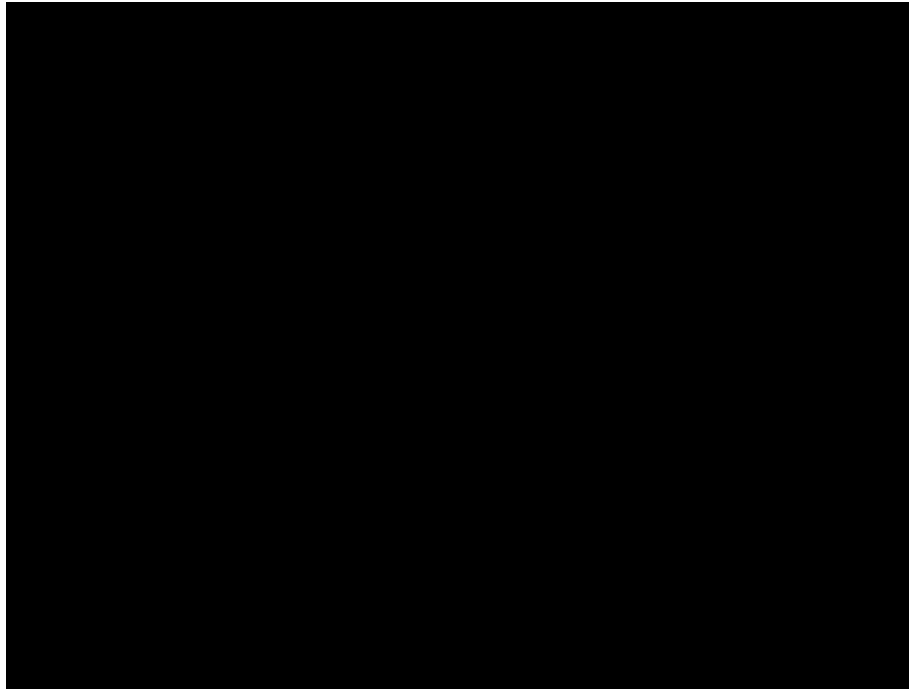


Photo 321-S01 (Unit 0: Re Conc Approach Slab)

Several longitudinal cracks in the north approach slab.

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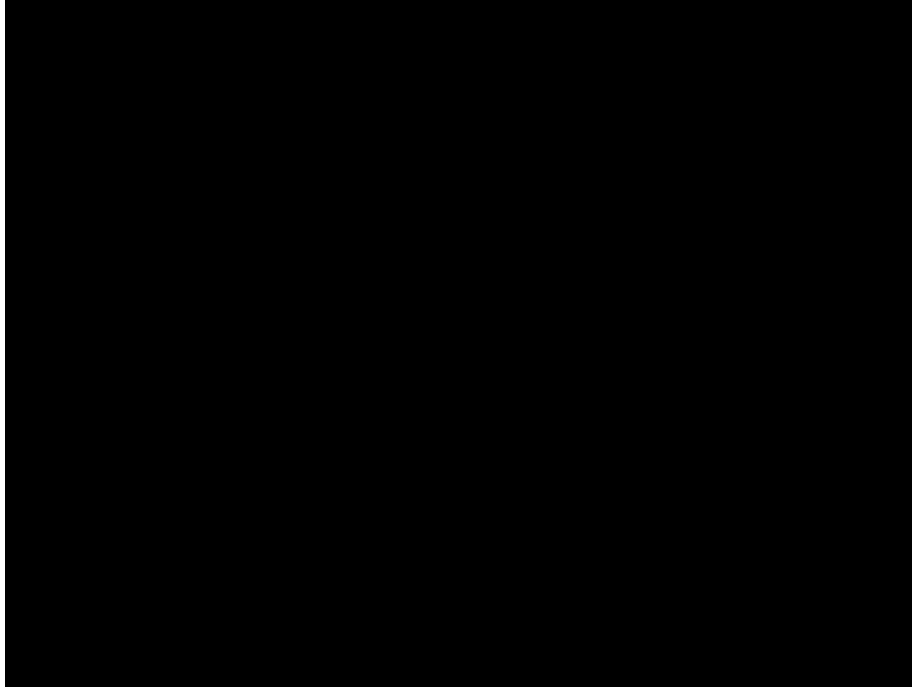


Photo 8387-U01 (Unit 0: PS Fender/Dolphin)

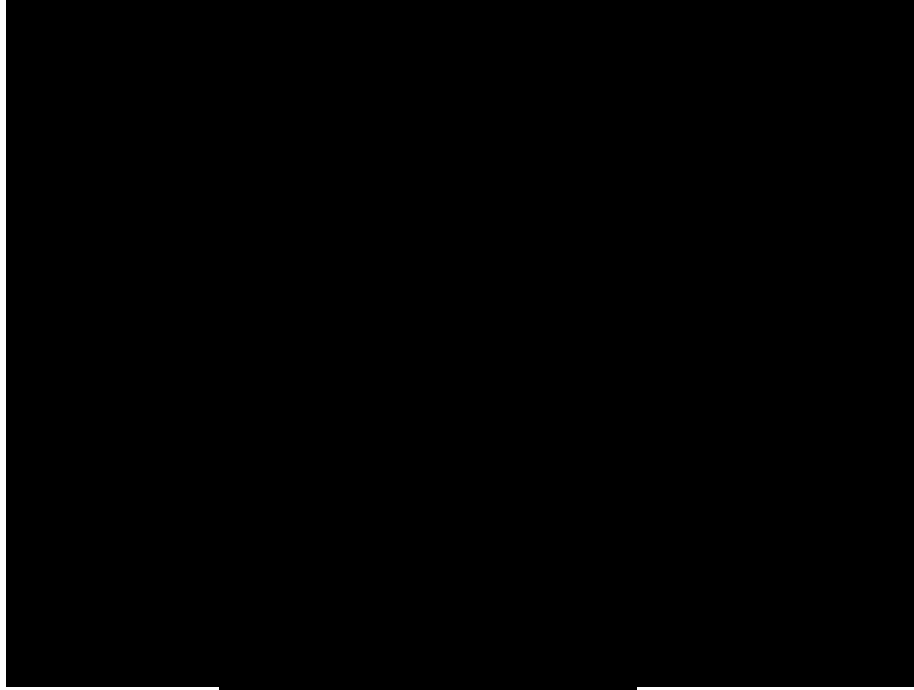
Missing J-Box cover at the south fender, Section 3.

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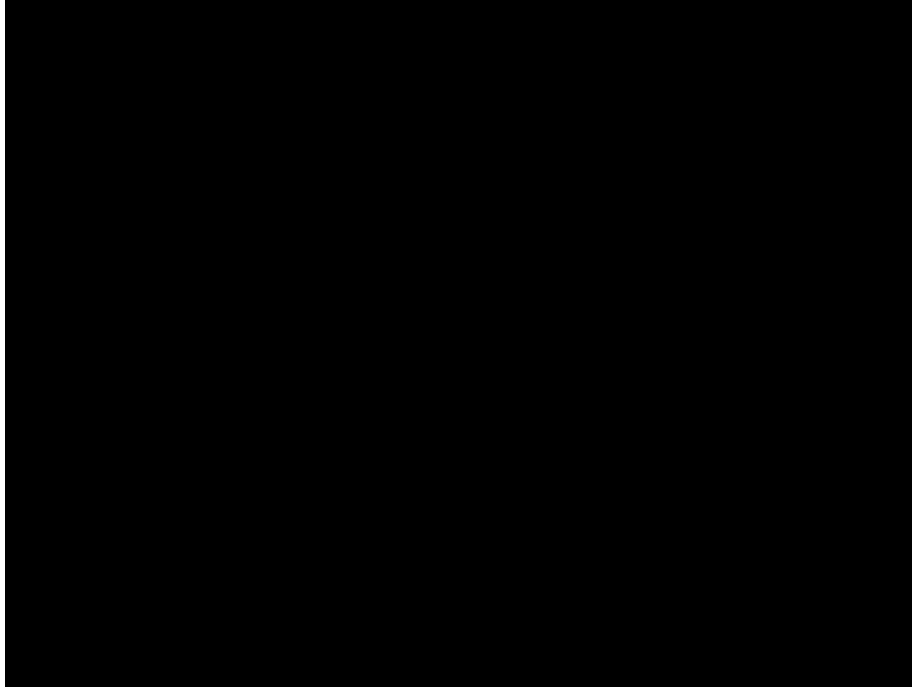
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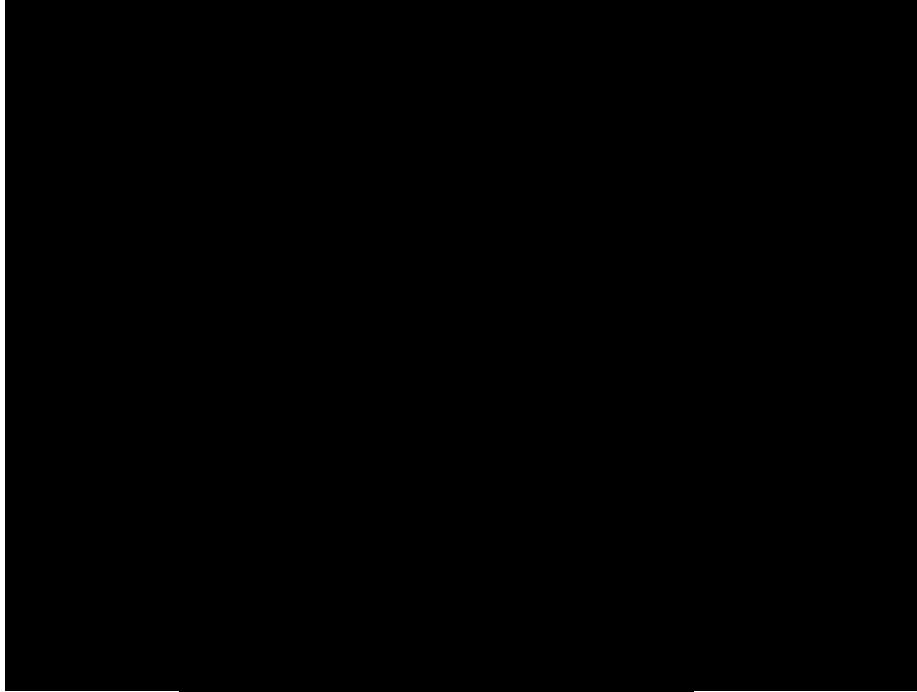


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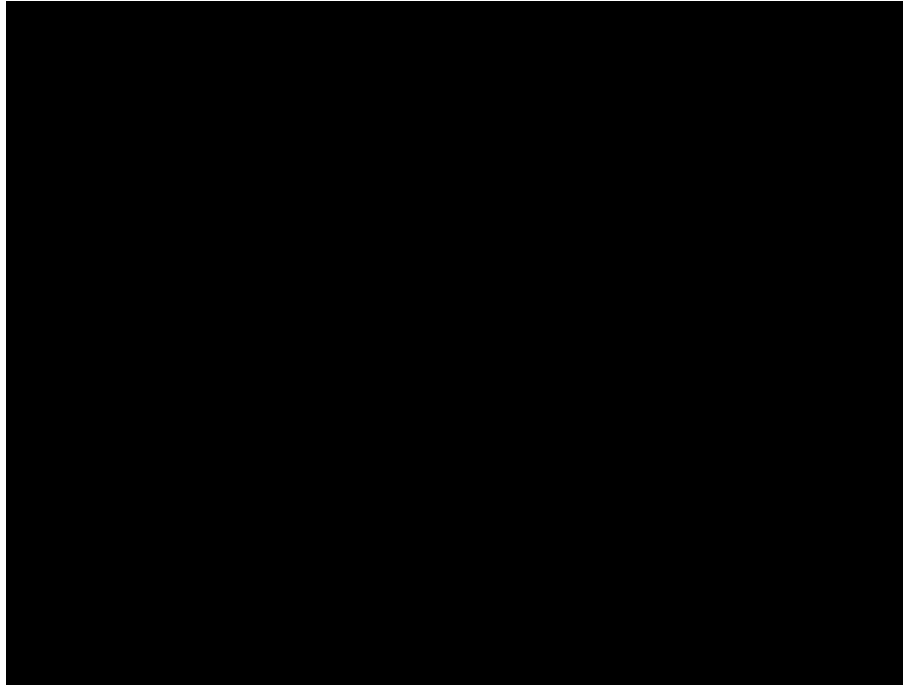


Photo 104-S07 (Unit 0: Pre Clsd Box Girder)

Peeling paint on the underside of Span 10.

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Photo 8398-S01 (Unit 0: Drainage System - Other)

Clogged drainage at Span 18.



Inspection Notes Photo 1

Right rail missing Pickett adjacent to Joint 4.

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Inspection Notes Photo 2

Typical deteriorated joint condition at fishing piers.

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Inspection Notes Photo 3

Broken/missing lens at Light Post 5, left side.



Inspection Notes Photo 4

Missing luminaire assembly at Light Post 13 at Pier 16.

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Inspection**

Structure ID: 890151

DISTRICT: D4 - Ft. Lauderdale

INSPECTION DATE: 6/29/2018 YWUQ



Inspection Notes Photo 5

Exposed wires at J-Box in Span 3 south of Bent 2 cap.

**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR/Bridge Profile Report with PDF attachment(s)
Inspection**

Structure ID: 890151

DISTRICT: D4 - Ft. Lauderdale

INSPECTION DATE: 6/29/2018 YWUQ



West Channel

Element 104: Pre Clsd Box Girder

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Element 104: Pre Clsd Box Girder (Cont'd)

[REDACTED]

[REDACTED]

[REDACTED]

17) There is efflorescence present on the web of box girder P12S1U on the radius at the west side adjacent to the diaphragm (total 2ft.). NO CHANGE.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

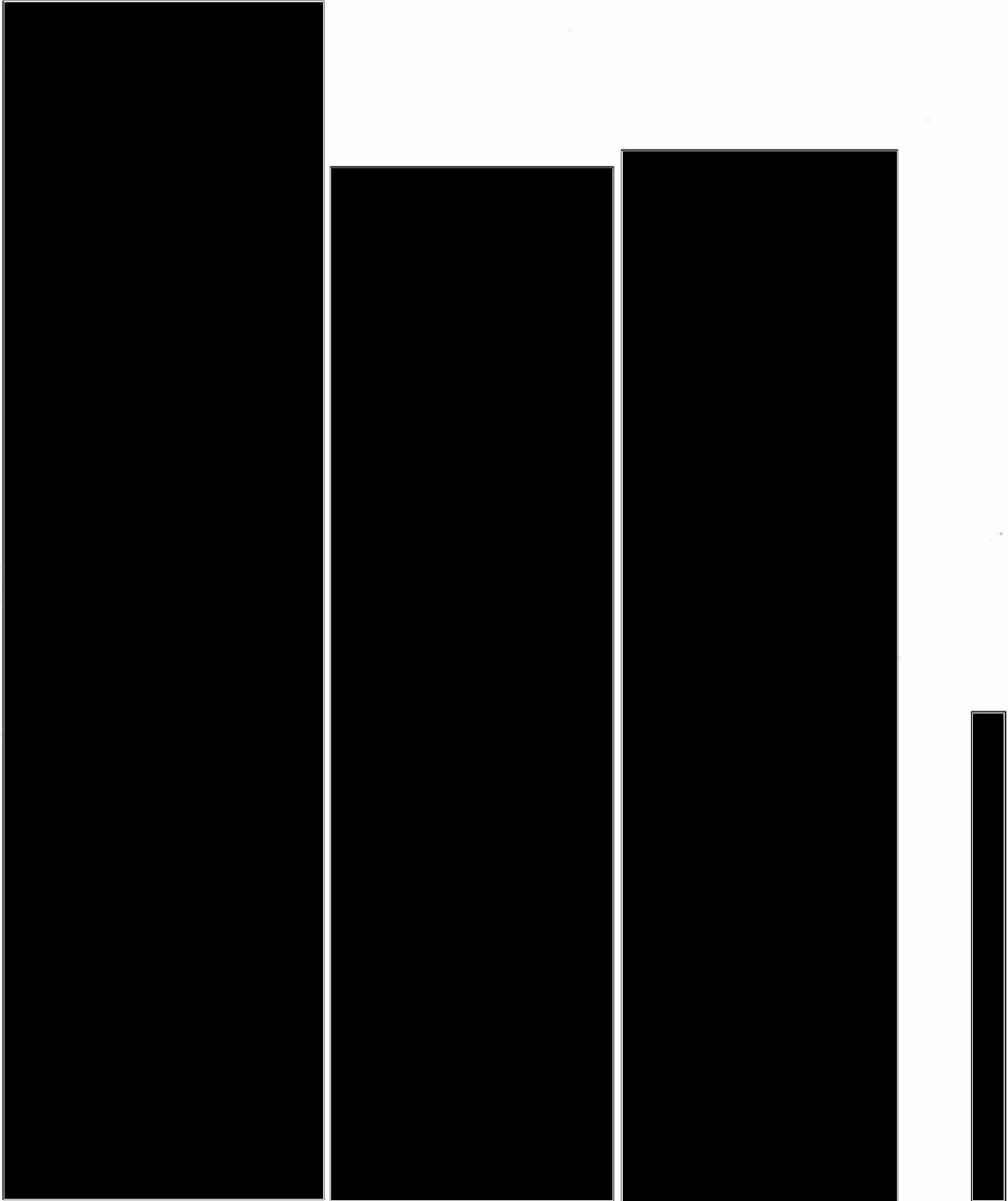
[REDACTED]

22) There is an area up to 3ft. L x 2ft. W of peeling Class 5 finish at Spans 1, 3, 5, 6, 7, 8, 10, 11, and 13. NO CHANGE. See Photo 104-S07.

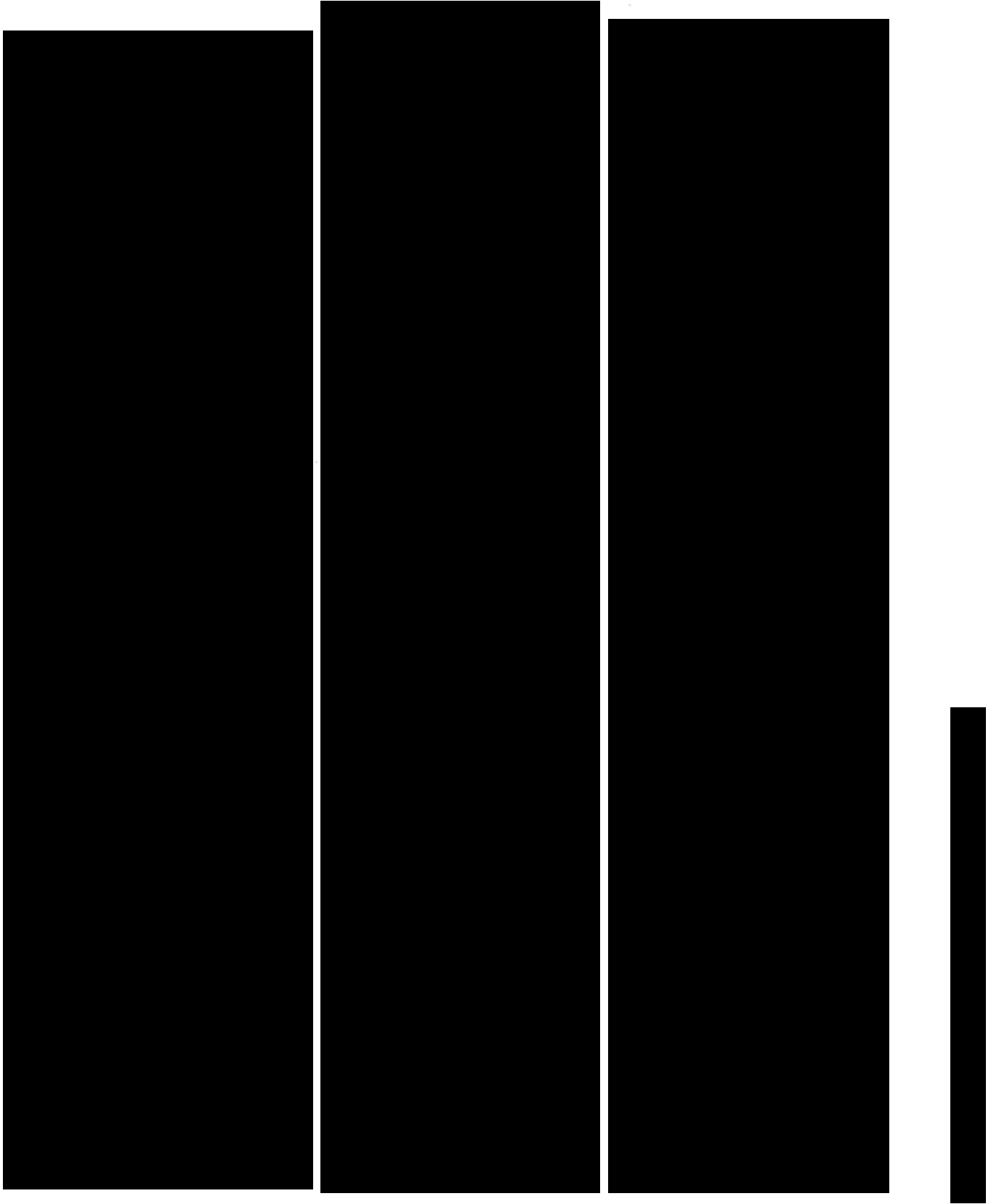
23) There are several areas up to 2ft. L x 6ft. W of peeling Class 5 finish at Span 4. NO CHANGE. See Photo 104-S10.

[REDACTED]

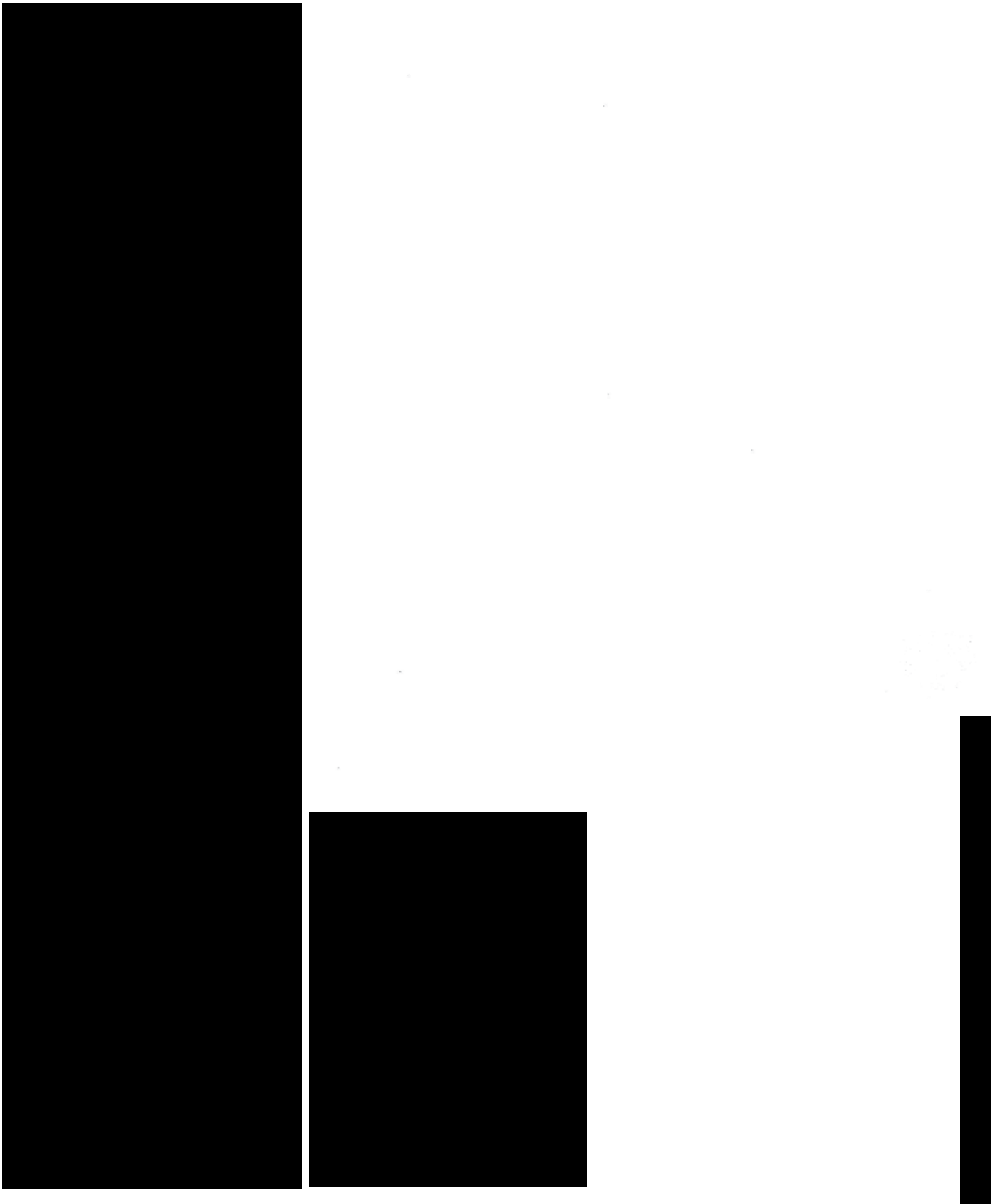
[REDACTED]







Direction of Inventory – Segment Identification





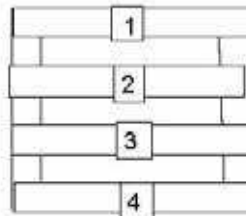
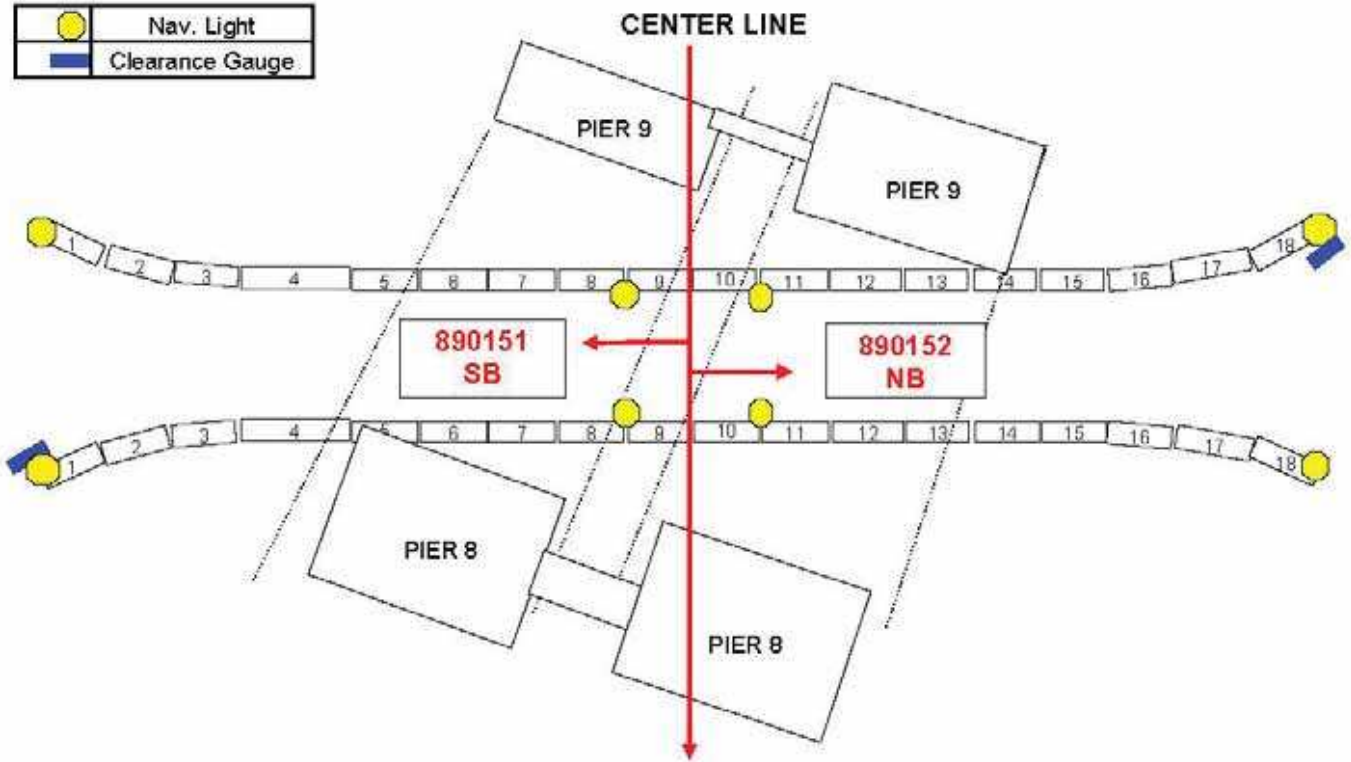
Fender System Layout

Bridge Number: 890151

Inspection Date: 06/27/2018



	Nav. Light
	Clearance Gauge



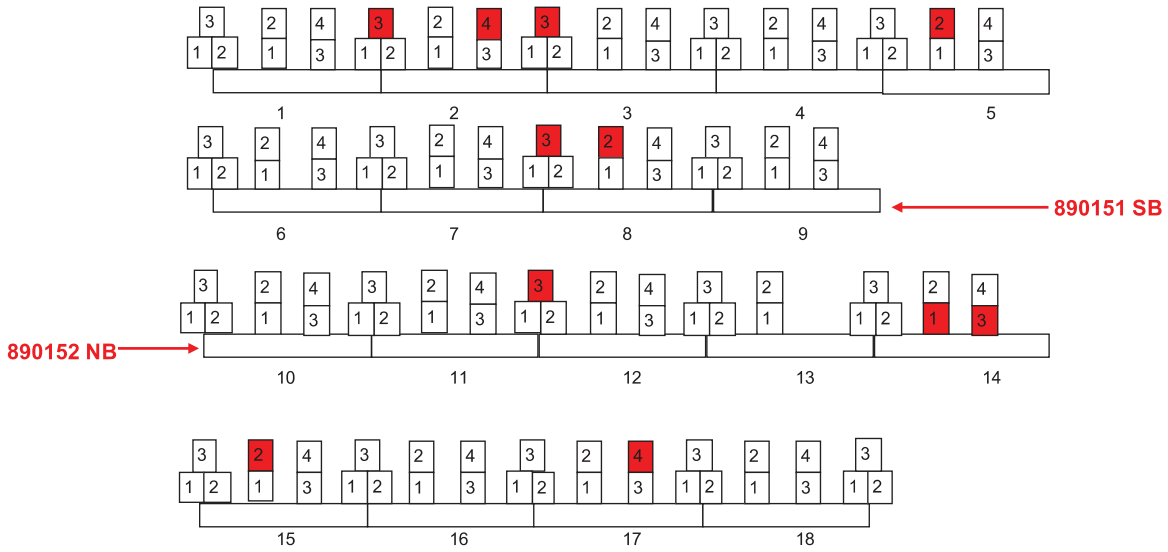
Typical section of wales

Fender Pile Layout

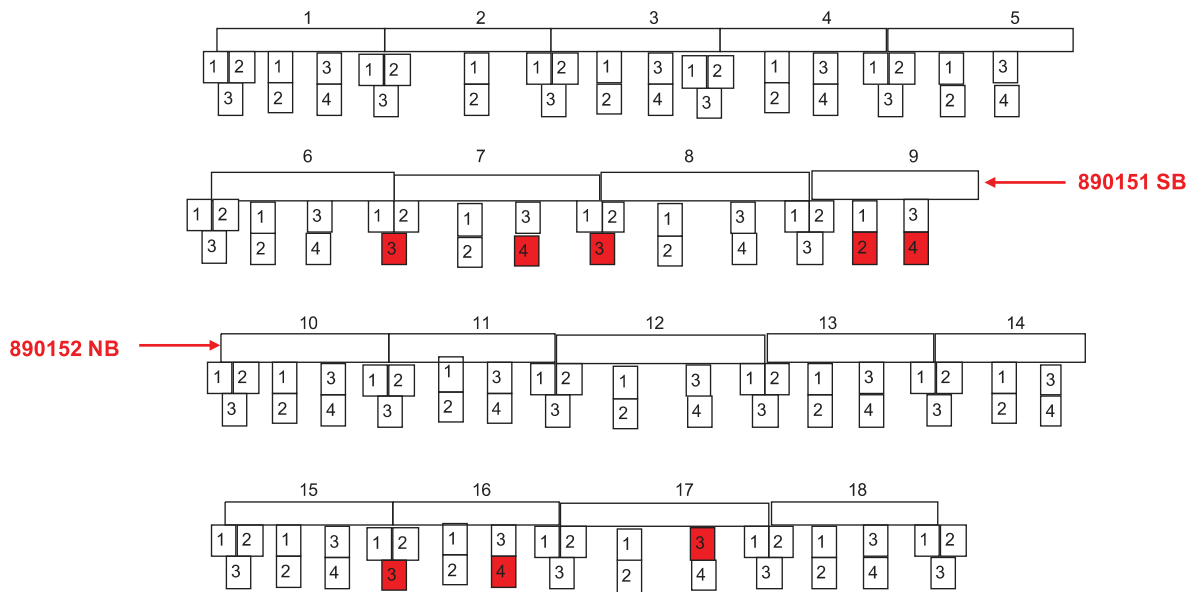
Bridge Number: 890151

Inspection Date: 06/27/2018

North Fender



South Fender



Piles Condition States	
1	
2	
3	
4	

Fender Wale Layout

Bridge Number: 890151

Inspection Date: 06/27/2018

North Fender

1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
Section 1	Section 2	Section 3	Section 4	Section 5	Section 6

← 890151 SB | 890152 NB →

1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
Section 7	Section 8	Section 9	Section 10	Section 11	Section 12

1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
Section 13	Section 14	Section 15	Section 16	Section 17	Section 18

South Fender

1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
Section 1	Section 2	Section 3	Section 4	Section 5	Section 6

← 890151 SB | 890152 NB →

1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
Section 7	Section 8	Section 9	Section 10	Section 11	Section 12

1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
Section 13	Section 14	Section 15	Section 16	Section 17	Section 18

Fender Color Code

	Timber Wale
	Plastic Wale
	Missing Wale

AYRES ASSOCIATES
COA 4356
8875 Hidden River Pkwy. Suite 200
Tampa, FL 33637
(813) 978-8688

Underwater Bridge Inspection Report
For
TRANSSYSTEMS CORPORATION

NBI Structure No. (8): 890151

Underwater Date (93): 06/27/18

Structure/Roadway Identification:

District (2): District 4 – Ft. Lauderdale
County (3): (89) Martin
Feature Intersected (6): St. Lucie River / SR-707
Facility Carried (7): US-1 (SR-5) SB (Roosevelt Bridge)

Underwater Inspection Details:

Special Crew Hours: 30
Max. Depth: 22 ft.
Type of Dive Insp.: Level II
Type of Boat Used: 20 ft Sea Ark
Water Type/Marine Growth: Salt / Oysters - Barnacles

Inspection Personnel:

Field Personnel:	Title	C.B.I. No.:	Duty:	Signature:
Narvaez, Ricardo	C.B.I. Diver-Inspector	00447/Lead	Diver	<u>RSN</u>
Seelig, Justin	Diver-Inspector		Diver	
Fishman, David	Diver-Inspector		Diver	
Wichmann, Tanner	Diver		Tender	

ELEMENT: 226 Pre CONC PILES

[Redacted]

Condition State:

[Redacted]

Recommended Feasible Action:
Do Nothing

[Redacted]

[Redacted]

ELEMENT: 220 R/C SUB PILE CAP/FTG

305: LF

Note: Piers 4 through 18 have 1 footing each.

Condition State:

[Redacted]

Recommended Feasible Action:
Do Nothing

[Redacted]

Bridge ID: 890151
 District: 4

Page: 2 of 10
 Inspection Date: 06/27/2018

Condition State:

Recommended Feasible Action:
 Do Nothing

[REDACTED]

Cleaning Log: Several strips on Footing 4 and 12 and all deficiencies were cleaned.

ELEMENT: 8387 P/S FENDER/DOLPHIN 144: LF

Note: The fender system is shared with Bridge Number 890152 NB. Only Sections 1 thru 9 of the North and South Fender Systems were inspected and quantified for this structure. Refer to fender sketches for layout and deficiency locations.

Condition State:
 CS-3

QTY:
 11

Recommended Feasible Action:
 Do Nothing

North Fender:

1) The following piles have spalls up to 14 in. H x 6 in. W x 3 in. D with exposed steel at the top of the pile, however, the exposed steel has been epoxy coated since the previous inspection and only minor corrosion is bleeding thru at C2P3, S2P4, C3P3 and S5P2. (1080 / 4 LF) NO CHANGE

2) The following piles have a spall up to 14 in. H x 6 in. W x 1 in. D with no exposed steel at the top of the pile: C8P3 and S8P2. (1080 / 2 LF) NO CHANGE

South Fender:

3) The following piles have spalls up to 14 in. H x 6 in. W x 3 in. D with exposed steel at the top of the pile, however, the exposed steel has been epoxy coated since the previous inspection and only minor corrosion is bleeding thru at C7P3 and S7P4. (1080 / 2 LF) NO CHANGE

4) The following piles have a spall up to 14 in. H x 6 in. W x 1 in. D with no exposed steel at the top of the pile: C8P3, S9P2 and S9P4. (1080 / 3 LF) NO CHANGE

Condition State:
 CS-1

QTY:
 133

Recommended Feasible Action:
 Repair Item 8.

SECONDARY:

North and South Fenders:

5) The cable clamps for the top and bottom wire ropes have heavy corrosion. NO CHANGE

6) The pile attachment bolts for the bottom 3 wales typically have heavy corrosion. NO CHANGE

7) All cable wraps exhibit moderate to heavy corrosion. NO CHANGE

8) The south fender section 3, the J-box has a missing the cover with exposed wires. NEW See photo 1.

ELEMENT: 8290 CHANNEL

1: EA

Condition State:
 CS-1

QTY:
 1

Recommended Feasible Action:
 Do Nothing

No deficiencies were noted.

Bridge ID: 890151
District: 4

Page: 3 of 10
Inspection Date: 06/27/2018

ELEMENT: 8580 NAVIGATIONAL LIGHTS **1: EA**

Note: This element quantifies the navigational lights on the bridge rail (1), fender systems (4) and clearance gauge light (1) for a total of 6 lights. Refer to fender system layout sketch for locations.

Condition State:	QTY:	Recommended Feasible Action:
CS-1	1	Do Nothing

No deficiencies were noted.

STRUCTURE NOTES: The following information is for the fishing pier located at the south end of both bridges.

FISHING PIER:

Note: The Fishing Pier starts on the south shore, between Bridge Number 890151 SB and 890152 NB. It extends north to Pier 4 Footing and ends at Pier 5 Footing. Only the elements located in water at the time of inspection were quantified and inspected.

ELEMENT: 226 Pre CONC PILES **24: EA**

Note: Bents 1 thru 12 have two 14 in. square concrete piles each.

No deficiencies were noted.

Cleaning Log: Piles 5-1, 5-2 and 7-1 were cleaned.

ELEMENT: 234 R/CONCRETE CAP **210: LF**

Note: Bent Caps 1 thru 12 are each 17 ft.-6 in. long.

No deficiencies were noted.

SECONDARY:

Recommended Feasible Action:
Repair Items 1 thru 8.

- 1) The right rail adjacent to joint 4 has (1) missing Pickett - NEW. See Photo 2.
- 2) The fishing pier joints over the bent caps show signs of adhesion failure and weathering – NEW. See photo 3.
- 3) Light post # 5 left side has a broken / missing cover lens – NEW. See Photo 4.
- 4) Light post #13 at pier 6 is missing the luminaire assembly – NEW. See Photo 5.

Fishing Pier Underside:

- 5) At Bent Cap 2 west face the light post J-box wires are exposed - NEW
- 6) Span 3 south of Bent Cap 2 the light post J-box wires are exposed – NEW See Photo 6.
- 7) Span 4 south of Bent Cap 5 the light post J-box wires are exposed – NEW
- 8) Span 5 south of pier 6 broken PVC with exposed wires at the strut – NEW

Cleaning Log: Several strips at random locations were cleaned.

INSPECTION NOTES: Structure was inventoried South to North.

Underwater elements inspected:

226 – Pre CONC PILES
 220 – R/C SUB PILE CAP/FTG
 8387 – P/S FENDER/ DOLPHIN
 8290 – CHANNEL
 8580 – NAVIGATIONAL LIGHTS
 234 – R/CONCRETE CAP

Bridge ID: 890151
District: 4

Page: 4 of 10
Inspection Date: 06/27/2018



Photo 1: Element 8387: Showing south fender section 3 missing J-Box cover.



Photo 2: Structure Notes: Showing right rail missing Pickett.



Photo 3: Structure Notes: Showing typical joint condition at fishing piers.



Photo 4: Structure Notes: Showing broken/missing lens at light post 5.



Photo 5: Structural Notes: Showing missing luminaries assembly at post 13.



Photo 6: Structural Notes: Showing exposed wires at J-Box covers.

Bridge ID: 890151
 District: 4

Page: 7 of 10
 Inspection Date: 06/27/2018

SOUNDING DATA



PIER	2018 LEFT SIDE (WEST)	PIER	2018 RIGHT SIDE (EAST)
	ML		ML

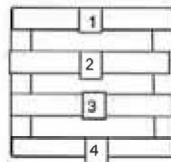
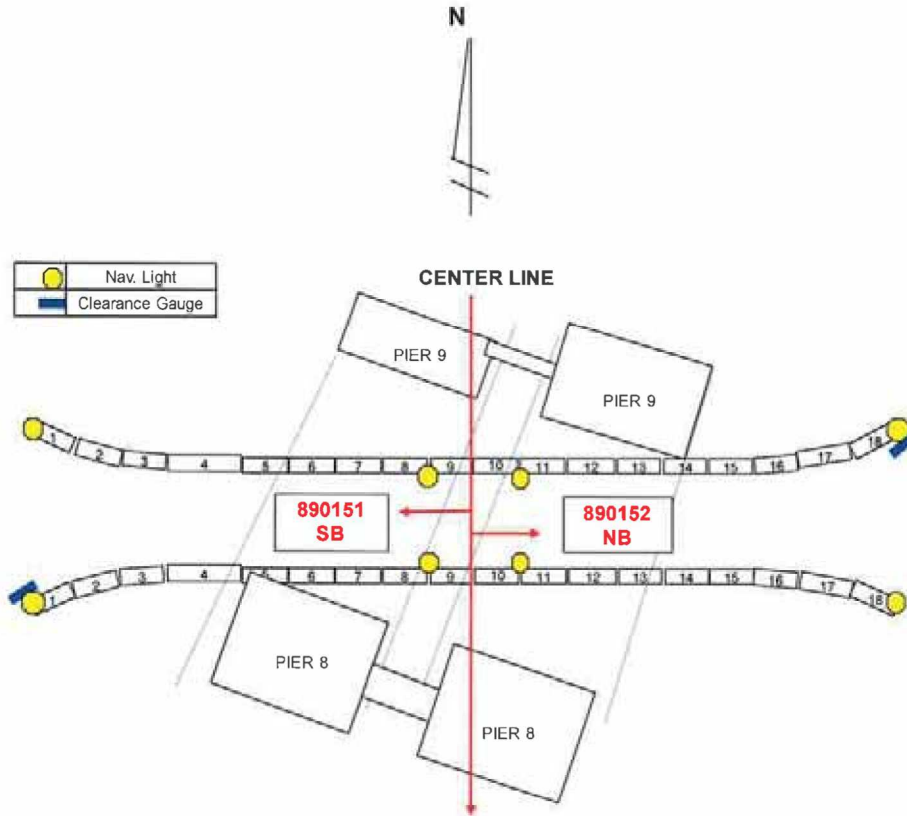
Note: All measurements are in feet.



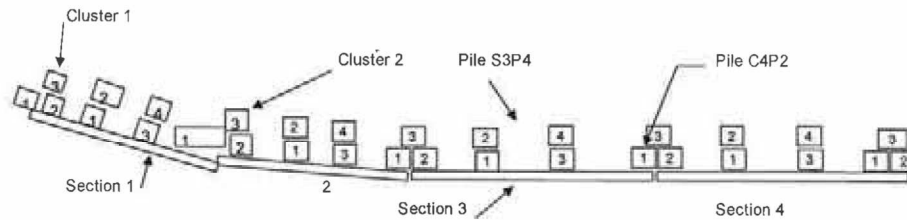
Fender System Layout

Bridge Number: 890151

Inspection Date: 06/27/2017



Typical section of wales



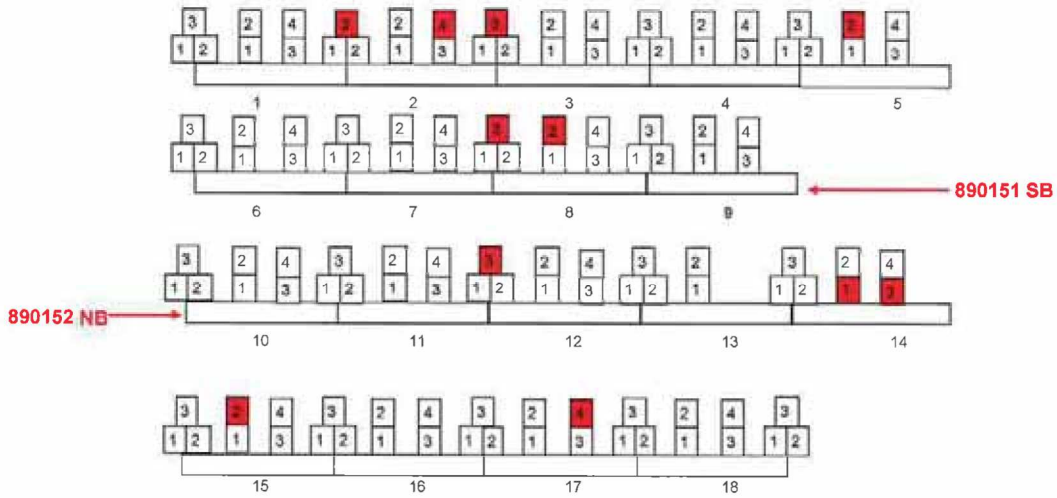
Typical Pile configuration

Fender Pile Layout

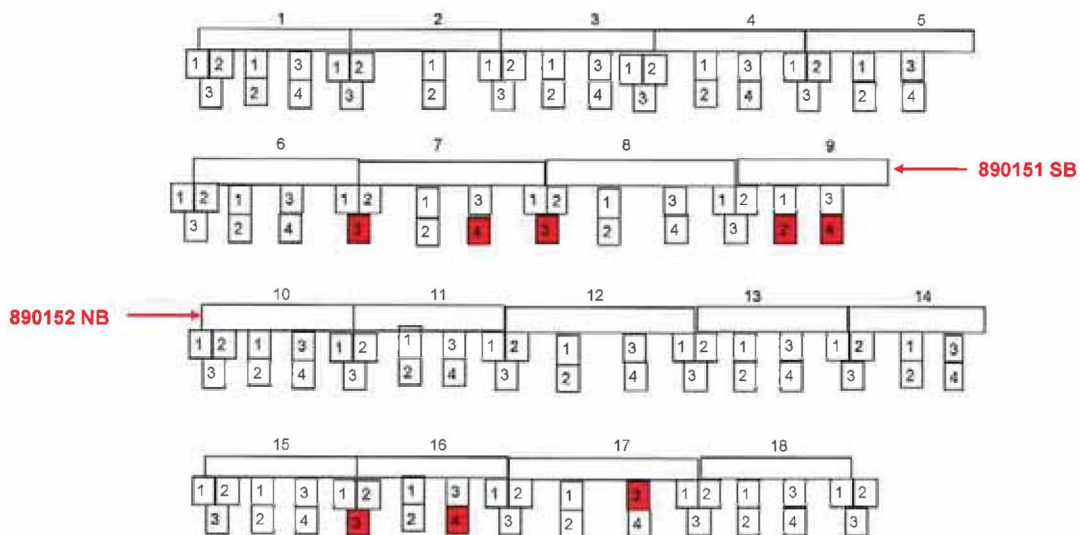
Bridge Number: 890151

Inspection Date: 06/27/2018

North Fender



South Fender



Piles Condition States	
1	
2	
3	
4	

Fender Wale Layout

Bridge Number: 890151

Inspection Date: 06/27/2018

North Fender

1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
Section 1	Section 2	Section 3	Section 4	Section 5	Section 6

890151 SB 890152 NB

1	1	1	1	1	1
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Section 13	Section 14	Section 15	Section 16	Section 17	Section 18

South Fender

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Section 1	Section 2	Section 3	Section 4	Section 5	Section 6

890151 SB 890152 NB

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3	3	3	3	3	3
4	4	4	4	4	4
Section 13	Section 14	Section 15	Section 16	Section 17	Section 18

Fender Color Code	
	Timber Wale
	Plastic Wale
	Missing Wale

**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM**

REPORT ID: INSP005

Inspection/CIDR/Bridge Profile Report with PDF attachment(s)

Structure ID: 890151

CIDR

DATE PRINTED: 8/21/2018

Description

Structure Unit Identification

Bridge/Unit Key: 890151 1
 Structure Name: New Roosevelt
 Description: MAIN SPAN 1
 Type: M - Main

Roadway Identification

NBI Structure No (8): 890151
 Position/Prefix (5): 1 - Route On Structure
 Kind Hwy (Rte Prefix): 2 U.S. Numbered Hwy
 Design Level of Service: 1 Mainline
 Route Number/Suffix: 00001 / 0 N/A (NBI)
 Feature Intersect (6): St. Lucie River/SR-707
 Critical Facility: Not Defense-crit
 Facility Carried (7): SB US-1/SR-5
 Mile Point (11): 0.118
 Latitude (16): 027d12'18.0" Long (17): 080d15'31.6"

Roadway Classification

Nat. Hwy Sys (104): 1 On the NHS
 National base Net (12): 1 - On Base Network
 LRS Inventory Rte (13a): 89 015 000 Sub Rte (13b): 00
 Functional Class (26): 14 Urban Other Princ
 On Federal Aid System: Yes
 Defense Hwy (100): 0 Not a STRAHNET hwy
 Direction of Traffic (102): 1 1-way traffic
 Emergency:

NBI Project Data

Proposed Work (075A): Not Applicable (P)
 Work To Be Done By (075B): Not Applicable (P)
 Improvement Length (076): 0 ft

NBI Rating

Channel (61): 7 Minor Damage
 Deck (58): 7 Good
 Superstructure (59): 7 Good
 Substructure (60): 7 Good

Roadway Traffic and Accidents

Lanes (28): 3 Medians: 0 Speed: 45 mph
 ADT Class: 4 ADT Class 4
 Recent ADT (29): 29516 Year (30): 2018
 Future ADT (114): 51209 Year (115): 2040
 Truck % ADT (109): 4
 Detour Length (19): 1.0 mi
 Detour Speed: 45 mph
 Accident Count: -1 Rate:

Roadway Clearances

Vertical (10): 99.99 ft Appr. Road (32): 44 ft
 Horiz. (47): 52 ft Roadway (51): 52 ft
 Truck Network (110): 0 Not part of natl netwo
 Toll Facility (20): 3 On free road
 Fed. Lands Hwy (105): 0 N/A (NBI)
 School Bus Route:
 Transit Route:

Improvement Cost (094): \$ 0.00
 Roadway Improvement Cost (095): \$ 0.00
 Total Cost (096): \$ 0.00
 Year of Estimate (097): 0

Culvert (62): N N/A (NBI)
 Waterway (71): 9 Above Desirable
 Unrepaired Spalls: -1 sq.ft.
 Review Required:

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

REPORT ID: INSP005

Inspection/CIDR/Bridge Profile Report with PDF attachment(s)

Structure ID: 890151

CIDR

DATE PRINTED: 8/21/2018

Structure Identification

Admin Area: Martin
 District (2): D4 - Ft. Lauderdale
 County (3): (89)Martin
 Place Code (4): Stuart
 Location (9): 1mi S of SR-707 on SR-5
 Border Br St/Reg (98): Not Applicable (P) Share: 0 %
 Border Struct No (99):
 FIPS State/Region (1): 12 Florida Region 4-Atlanta
 NBIS Bridge Len (112): Y - Meets NBI Length

Parallel Structure (101): Left of || bridge
 Temp. Structure (103): Not Applicable (P)
 Maint. Resp. (21): 1 State Highway Agency
 Owner (22): 1 State Highway Agency
 Historic Signif. (37): 5 Not eligible for NRHP

Structure Type and Material

Curb/Sidewalk (50): Left: 5 ft Right: 0 ft
 Bridge Median (33): 0 No median
 Main Span Material (43A): 6 P/S Conc Continuous
 Appr Span Material (44A): Not Applicable (P)
 Main Span Design (43B): 21 Segmental Box Girder
 Appr Span Design (44B): Not Applicable (P)

Appraisal**Structure Appraisal**

Open/Posted/Closed (41): A Open, no restriction
 Deck Geometry (68): 7 Above Min Criteria
 Underclearances (69): 6 Equal Minimum
 Approach Alignment (72): 8-No Speed Red thru Curv
 Bridge Railings (36a): 1 Meets Standards
 Transitions (36b): 1 Meets Standards

Approach Guardrail (36c): 1 Meets Standards
 Approach Guardrail Ends (36d): 1 Meets Standards
 Scour Critical (113): 8 Stable Above Footing

Minimum Vertical Clearance

Over Structure (53): 99.99 ft
 Under (reference) (54a): **H Hwy beneath struct**
 Under (54b): 19 ft

Schedule**Current Inspection**

Inspection Date: **06/29/2018**
 Inspector: **KNTCCBN - Benjamin Noel**
 Bridge Group: E4H52
 Alt. Bridge Group:
 Primary Type: Regular NBI
 Review Required:

Geometrics

Spans in Main Unit (45): 21
 Approach Spans (46): 0
 Length of Max Span (48): 260 ft
 Structure Length (49): 4487 ft
 Total Length: 4527 ft
 Deck Area: 273701 sqft
 Structure Flared (35): 0 No flare

Age and Service

Year Built (27): 1997
 Year Reconstructed (106): 0
 Type of Service On (42a): 5 Highway-pedestrian
 Under (42b): 8 Hwy-waterway-RR
 Fracture Critical Details: Not Applicable

Deck Type and Material

Deck Width (52): 61 ft
 Skew (34): 0 deg
 Deck Type (107): 1 Concrete-Cast-in-Place
 Surface (108): 0 None
 Membrane: 0 None
 Deck Protection: None

Navigation Data

Navigation Control (38): Permit Required
 Nav Vertical Clr (39): 65.3 ft
 Nav Horizontal Clr (40): 89.9 ft
 Min Vert Lift Clr (116): 0 ft
 Pier Protection (111): 2 In-Place, Functioning

NBI Condition Rating

Sufficiency Rating: 97.8
 Health Index: 96.22
 Structural Eval (67): 7 Above Min Criteria
 Deficiency: Not Deficient

Minimum Lateral Underclearance

Reference (55a): **H Hwy beneath struct**
 Right Side (55b): 18.6 ft
 Left Side (56): 0 ft

Next Inspection Date Scheduled

NBI: **06/29/2020**
 Element: **06/29/2020**
 Fracture Critical:
 Underwater: **06/29/2020**
 Other/Special:

**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM**

REPORT ID: INSP005

Inspection/CIDR/Bridge Profile Report with PDF attachment(s)

Structure ID: 890151

CIDR

DATE PRINTED: 8/21/2018

Schedule Cont.

Inspection Types Performed

NBI Element Fracture Critical Underwater Other Special

Inspection Intervals

Required (92)

Frequency (92)

Last Date (93)

Inspection Resources

Fracture Critical	<input type="checkbox"/>	mos		Crew Hours: 40
Underwater	<input checked="" type="checkbox"/>	24 mos	06/27/2018	Flagger Hours: 0
Other Special	<input type="checkbox"/>	mos		Helper Hours: 0
NBI		24 mos (91)	06/29/2018 (90)	Snooper Hours: 20
				Special Crew Hours: 30
				Special Equip Hours: 30

Bridge Related

General Bridge Information

Parallel Bridge Seq: 0152	Bridge Rail 1: Concrete jersey type
Channel Depth: 22 ft	Bridge Rail 2: Concrete bicycle barrier
Radio Frequency: -1	Electrical Devices: Combination values 1-7
Phone Number:	Culvert Type: Not applicable
Exception Date:	Maintenance Yard: 440-D4 External Contract
Exception Type:	FIHS ON / OFF: No Routes on FIHS
Accepted By Maint: 01/01/1997	Previous Structure:
Warranty Expiration: 00/00/0000	2nd Previous Structure:
Performance Rating: Good	Replacement Structure:

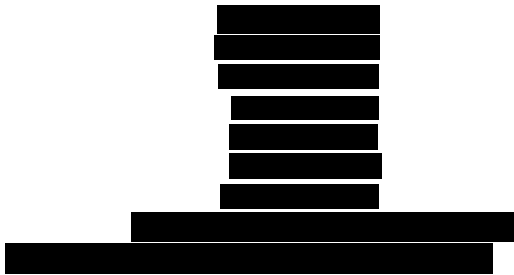
Permitted Utilities: Power Water Gas Fiber Optic Sewage Other

Bridge Load Rating Information

Inventory Type (065): 1 LF Load Factor	Inventory Rating (066): 37.4 tons
Operating Type (063): 1 LF Load Factor	Operating Rating (064): 68.8 tons
Original Design Load (031): 6 MS18(HS20)+mod	
Date: 03/19/2001	HS20/FL120 Max Span Rating: 68.8 tons
Initials: _	Dynamic Impact in Percent: 30 %
Load Rating Rev. Recom.: No	Governing Span Length: 199.8 ft
Load Rating Plans Status: Design or Construction	Minimum Span Length:
	Distribution Method: Others

Load Rating Notes:

LEGAL LOADS



POSTING

Recom. SU Posting: 99 tons
 Recom. C Posting: 99 tons
 Recom. ST5 Posting: 99 tons
 Actual SU Posting: 99 tons
 Actual C Posting: 99 tons
 Actual ST5 Posting: 99 tons
 Actual Blanket Posting: 99 tons

FLOOR BEAM (FB)

FB Present: No

FB Span Length, Gov: 0.0 ft
 FB Spacing, Gov: 0.0 ft
 FB OPR Rating: 0.0 tons
 FB SU4 OPR Rating: 0.0 tons
 FB FL120 Rating: 0.0 tons

SEGMENTAL (SEG)

SEG Wing-Span: -1.0 ft
 SEG Web-to-Web Span: -1.0 ft
 SEG FL120 Transverse: -1.0 tons
 SEG Single Axle Transverse: -1.0 tons
 SEG Tandem Axle Transverse: -1.0 tons

Bridge Scour and Storm Information

Pile Driving Record: Unknown	Scour Recommended I: Stop scour evaluations
Foundation Type: Unknown	Scour Recommended II: No recommendation
Mode of Flow: Riverine	Scour Recommended III: No recommendation
Rating Scour Eval: Low Risk - Low	Scour Elevation: 999 ft
Highest Scour Eval: Not Applicable	Action Elevation: 999 ft
Scour Evaluation Method: Unknown – Eval Not Comp	Storm Frequency: 999

**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM**

REPORT ID: INSP005

Inspection/CIDR/Bridge Profile Report with PDF attachment(s)

Structure ID: 890151

CIDR

DATE PRINTED: 8/21/2018

Elements

Inspection Date: 06/29/2018 YWUQ

DECKS : Decks/Slabs

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	12 / 4	Re Concrete Deck									273701 sq.ft
Structure Unit 0											
Structure Unit 0											

DECKS : Joints

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	300 / 4	Strip Seal Exp Joint	32	51.61	30	48.39	0	.	0	.	62 ft
Structure Unit 0	2350 / 4	Debris Impaction	0	.	30	100	0	.	0	.	30 ft

DECKS : Joints

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	303 / 4	Assem Jnt With Seal									305 ft
Structure Unit 0											

MISCELLANEOUS : Channel

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	8290 / 4	Channel	1	100	0	.	0	.	0	.	1 (EA)

MISCELLANEOUS : Other Elements

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	321 / 4	Re Conc Approach Slab	2340	95.9	0	.	100	4.1	0	.	2440 sq.ft
Structure Unit 0	1130 / 4	Cracking (RC and Other)	0	.	0	.	100	100	0	.	100 sq.ft

MISCELLANEOUS : Other Elements

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	8478 / 4	MSE Walls									217 ft

SUBSTRUCTURE : Substructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	210 / 4	Re Conc Pier Wall									453 ft
Structure Unit 0											

SUBSTRUCTURE : Substructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	215 / 4	Re Conc Abutment									125 ft

**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM**

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Structure ID: 890151

CIDR

DATE PRINTED: 8/21/2018

SUBSTRUCTURE : Substructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	220 / 4	Re Conc Pile Cap/Ftg									580 ft
Structure Unit 0											
Structure Unit 0											

SUBSTRUCTURE : Substructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	226 / 4	Pre Conc Pile									
Structure Unit 0											

SUBSTRUCTURE : Substructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	8387 / 4	PS Fender/Dolphin	133	92.36	0	.	11	7.64	0	.	144 ft
Structure Unit 0	1080 / 4	Delamination/Spall/Patched Area	0	.	0	.	11	100	0	.	11 ft

SUPERSTRUCTURE : Bearings

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	314 / 4	Pot Bearing									20 each
Structure Unit 0											

SUPERSTRUCTURE : Superstructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	104 / 4	Pre Clsd Box Girder									4488 ft
Structure Unit 0											
Structure Unit 0											
Structure Unit 0	1120 / 4	Efflorescence/Rust Staining									2 ft

SUPERSTRUCTURE : Superstructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	331 / 4	Re Conc Bridge Railing	8976	100	0	.	0	.	0	.	8976 ft

SUPERSTRUCTURE : Superstructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	333 / 4	Other Bridge Railing	4488	100	0	.	0	.	0	.	4488 ft

SUPERSTRUCTURE : Superstructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	8398 / 4	Drainage System - Other	1	100	0	.	0	.	0	.	1 (EA)

SUPERSTRUCTURE : Superstructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
Structure Unit 0	8580 / 4	Navigational Lights	0	.	1	100	0	.	0	.	1 (EA)

**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM**

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Inspection/CIDR/Bridge Profile Report with PDF attachment(s)

Structure ID: 890151

CIDR

DATE PRINTED: 8/21/2018

Total Number of Elements*: 17

*excluding defects/protective systems

Inspection Information**Inspection Date:** 06/29/2018**Type:** Regular NBI**Inspector:** KNTCCBN - Benjamin Noel**Inspection Notes:** Sufficiency Rating Calculation Accepted by kn853lm-P at 8/21/2018 9:35:57 AM**LOAD CAPACITY EVALUATION:**

Since the current load rating dated 03/19/2001, there is no indication that deterioration, geometric changes or additional dead load have occurred that would warrant a new load rating analysis. This only applies to this inspection dated 06/29/2018 per R. Wayne McLennon, P.E..

ROUTINE INSPECTION FISHING PIER (06/29/18):

Notes: The following information is for the fishing pier located at the south end between both bridges.

The Fishing Pier starts on the south shore between Bridge Number 890151 SB and 890152 NB. It extends north from the shoreline and ends at the Pier 6 Footings.

ROUTINE UNDERWATER INSPECTION - FISHING PIER:

Element 226 - Pre Conc Pile QTY=24ea.

Bents 1 thru 12 have two 14in. square concrete piles each.

Cleaning Log: Piles 5-1, 5-2 and 7-1 were cleaned.

No deficiencies were noted.

Element 234 - Re Conc Pier Cap Qty = 210lf.

Bent Caps 1 thru 12 are each 17ft.-6in. long.

Cleaning Log: Several strips at random locations were cleaned.

- 1) The right rail adjacent to joint 4 has (1) missing Pickett. NEW. See Inspection Notes Photo 1.
- 2) The fishing pier joints over the bent caps show signs of adhesion failure and weathering. NEW. See Inspection Notes Photo 2.
- 3) Light Post # 5 left side has a broken / missing cover lens. NEW. See Inspection Notes Photo 3.
- 4) Light Post #13 at Pier 6 is missing the luminaire assembly. NEW. See Inspection Notes Photo 4.

Fishing Pier Underside:

- 5) At Bent 2 cap west face the light post J-box wires are exposed. NEW.
- 6) Span 3 south of Bent 2 cap the light post J-box wires are exposed. NEW. See Inspection Notes Photo 5.
- 7) Span 4 south of Bent 5 cap the light post J-box wires are exposed. NEW.
- 8) Span 5 south of Pier 6 broken PVC with exposed wires at the strut. NEW.

Work Order Recommendations:

- 1) Replace missing Pickett at the right rail adjacent to joint 4. (Item 1)
- 2) Replace fishing pier joints over the bent cap due to adhesion failure and weathering. (Item 2)
- 3) Replace missing/broken cover lens at Light Post # 5. (Item 3)
- 4) Replace missing luminaire assembly at Light Post #13 at Pier 6. (Item 4)
- 5) Enclose exposed J-box wires at Bent 2 cap west face of the light post. (Item 5)
- 6) Enclose exposed J-box wires at Span 3 south of Bent 2 cap and Span 4 south of Bent 5 cap light post. (Items 6 and 7)
- 7) Replace broken PVC with exposed wires at the strut of Span 5 south of Pier 6. (Item 8)

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CIDR

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Structure Notes

1) Lighting systems is functioning properly inside the boxes.

[REDACTED]

3) There is a fishing pier below the bridge at the south end.

The inventory photos were last updated on 06/01/2014.

The following underwater elements were inspected during the 2018 Routine NBI Inspection:

- 8290 Channel (1 ea.)
- 220 Re Conc Pile Cap/Ftg (305 ft.)
- 226 Pre Conc Pile [REDACTED]
- 8387 P/S Fender/Dolphin (144 ft.)
- 8580 Navigational Lights (1 ea.)
- 234 Re Conc Pier Cap (Fishing Pier) (210 ft.)

Schedule Notes

**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM**

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Inspection/CIDR/Bridge Profile Report with PDF attachment(s)

Structure ID: 890151

CIDR

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Under Route Information

Roadway Identification

NBI Structure No (8): 890151
 Position/Prefix (5): 2 - One Route Under
 Kind Hwy (Rte Prefix): 3 State Hwy
 Design Level of Service: 1 Mainline
 Route Number/Suffix: 00707 / 0 N/A (NBI)
 District (2): D4 - Ft. Lauderdale
 County (3): (89)Martin
 Place Code (4): Stuart
 Feature Intersect (6): St. Lucie River/SR-707
 Facility Carried
 by Structure (7): SB US-1/SR-5
 Critical Facility: Not Defense-crit
 Roadway Name: SR-707
 Mile Point (11): 19.778
 Latitude (16): 027d12'18.0" Long (17): 080d15'31.6"

Roadway Classification

Nat. Hwy Sys (104): 0 Not on NHS
 National base Net (12): 0 - Not on Base Network
 LRS Inventory Rte (13a): 89 030 000 Sub Rte (13b): 00
 Functional Class (26): 16 Urban Minor Arterial
 On Federal Aid System: Yes
 Defense Hwy (100): 0 Not a STRAHNET hwy
 Direction of Traffic (102): 2 2-way traffic
 Emergency:

Roadway Traffic and Accidents

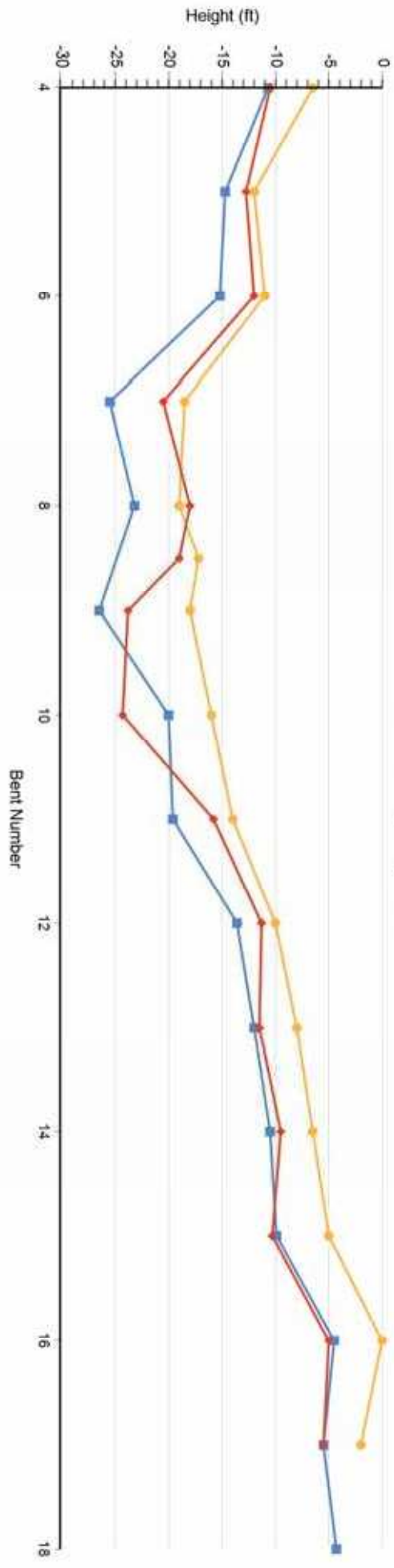
Lanes (28): 2 Medians: 0 Speed: 35 mph
 ADT Class: 3 ADT Class 3
 Recent ADT (29): 7600 Year (30): 2018
 Future ADT (114): 13186 Year (115): 2040
 Truck % ADT (109): 3
 Detour Length (19): 1 mi
 Detour Speed: 35 mph
 Accident Count: -1 Rate:

Roadway Clearances

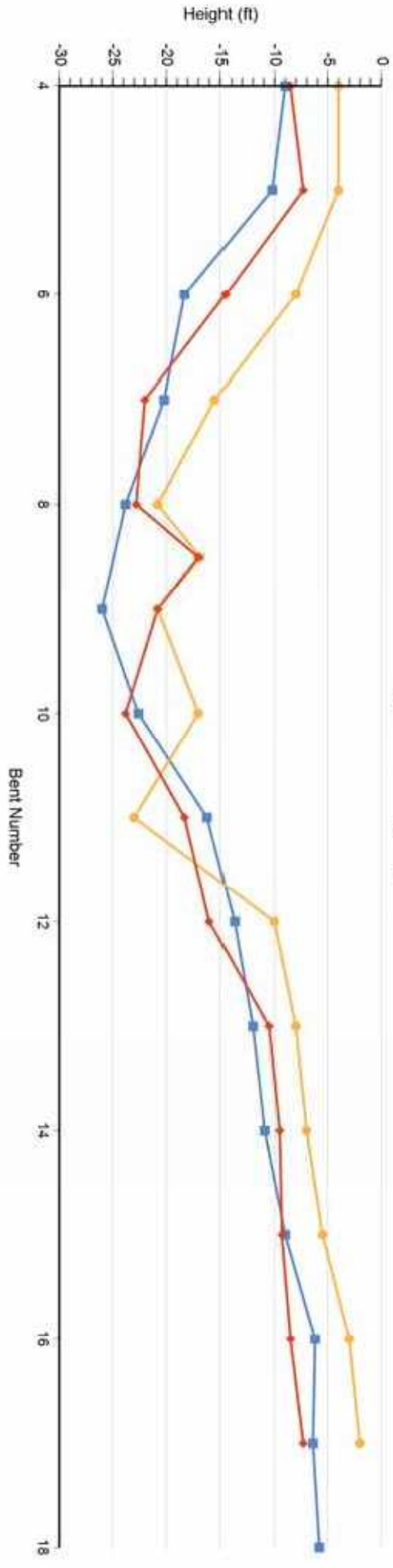
Vertical (10): 21.3 ft Appr. Road (32): 50.5 ft
 Horiz. (47): 50.5 ft Roadway (51): 69 ft
 Truck Network (110): 0 Not part of natl netwo
 Toll Facility (20): 3 On free road
 Fed. Lands Hwy (105): 0 N/A (NBI)
 School Bus Route:
 Transit Route:

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR/Bridge Profile Report with PDF attachment(s)
Bridge Profile

Left Profile by Inspection



Right Profile by Inspection



REPORT ID : INSP005

Structure ID : 890151

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR/Bridge Profile Report with PDF attachment(s)
Bridge Profile

DATE PRINTED: 8/21/2018 9:41:37 AM

Profile Data - Numerical Summary

Bent #	Left Height	Right Height	(All Heights are in Feet)
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Inspection Date and Key: 6/29/2018 YWUQ

[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			

Air Temp:
 [REDACTED]
 [REDACTED]
 [REDACTED]

Inspection Date and Key: 1/17/2017 RAKO

[REDACTED]

[REDACTED]

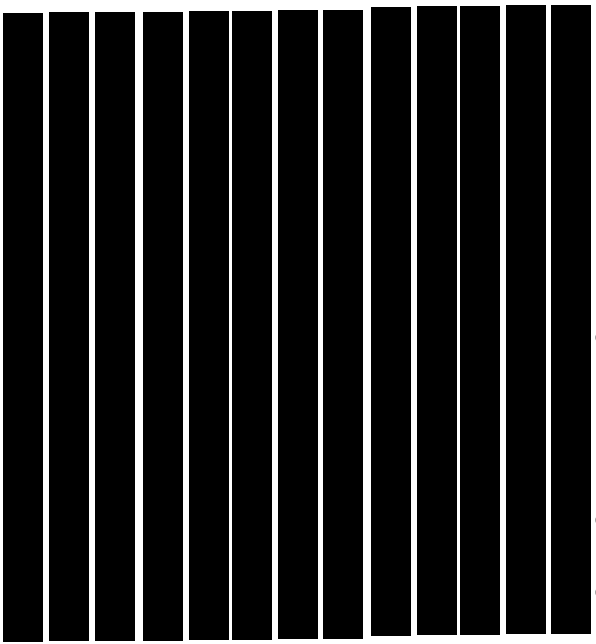
[REDACTED]

This report contains information relating to the physical security of a structure and depictions of the structure. This information is confidential and exempt from public inspection pursuant to sections 119.071(3)(a) and 119.071(3)(b), Florida Statutes. Only the cover page of this report may be inspected and copied.

Profile Data - Numerical Summary

Bent # Left Height Right Height

(All Heights are in Feet)



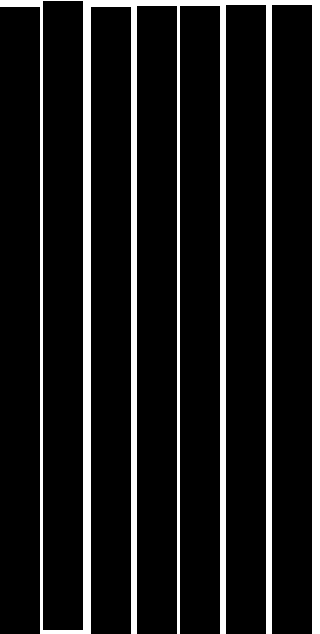
The table contains 15 rows of data, each with three columns: Bent #, Left Height, and Right Height. All data in this table is redacted with black bars.

Air Temp:



Inspection Date and Key: 6/8/2006

HEQG



The table contains 10 rows of data, each with three columns: Bent #, Left Height, and Right Height. All data in this table is redacted with black bars.

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR/Bridge Profile Report with PDF attachment(s)
Bridge Profile

Profile Data - Numerical Summary

Bent # Left Height Right Height

(All Heights are in Feet)

[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

Air Temp:

[REDACTED]