

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

Comprehensive Inventory Data Report

REPORT ID: INSP005

Structure ID: 030145

CIDR

DATE PRINTED: 11/17/2020

Description

Structure Unit Identification

Bridge/Unit Key: 030145 0
 Structure Name: US41NB/FAKA UNION CANAL
 Description: MAIN SPAN 1
 Type: M - Main

Roadway Identification

NBI Structure No (8): 030145
 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: 00041 / 0 N/A (NBI)
 Feature Intersect (6): FAKA UNION CANAL
 Critical Facility: Not Defense-crit
 Facility Carried (7): US-41 NB
 Mile Point (11): 34.229
 Latitude (16): 025d57'34.8" Long (17): 081d30'35.0"

Roadway Traffic and Accidents

Lanes (28): 2 Medians: 0 Speed: 60 mph
 ADT Class: 3 ADT Class 3
 Recent ADT (29): 1550 Year (30): 2019
 Future ADT (114): 2689 Year (115): 2041
 Truck % ADT (109): 8
 Detour Length (19): 1 mi
 Detour Speed: XXXXXXXXXX
 Accident Count: XXXXXXXXXX Rate:

Roadway Classification

Nat. Hwy Sys (104): 1 On the NHS
 National base Net (12): 1 - On Base Network
 LRS Inventory Rte (13a): 03 010 000 Sub Rte (13b): 00
 Functional Class (26): 02 Rural Other Princ
 Federal Aid System: ON
 Defense Hwy (100): 0 Not a STRAHNET hwy
 Direction of Traffic (102): 1 1-way traffic
 Emergency:

Roadway Clearances

Vertical (10): 99.99 ft Appr. Road (32): 40.3 ft
 Horiz. (47): 40.3 ft Roadway (51): 40.3 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:

NBI Project Data

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

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

NBI Rating

Channel (61): 6 Bank Slumping
 Deck (58): 7 Good
 Superstructure (59): 7 Good
 Substructure (60): 7 Good

Culvert (62): N N/A (NBI)
 Waterway (71): 8 Equal Desirable
 Unrepaired Spalls: XXXXXXXXXX
 Review Required: XXXXXXXXXX

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

Comprehensive Inventory Data Report CIDR

REPORT ID: INSP005

Structure ID: 030145

DATE PRINTED: 11/17/2020

Structure Identification

Admin Area: Collier County
 District (2): D1 - Bartow
 County (3): (03)Collier
 Place Code (4): No city involved
 Location (9): 13.7 MILES SE OF SR-951
 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): Right 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: 0 ft Right: 0 ft
 Bridge Median (33): 0 No median
 Main Span Material (43A): 5 Prestressed Concrete
 Appr Span Material (44A): Not Applicable (P)
 Main Span Design (43B): 02 Stringer/Girder
 Appr Span Design (44B): 00 Other (NBI)

Appraisal**Structure Appraisal**

Open/Posted/Closed (41): A Open, no restriction
 Deck Geometry (68): 7 Above Min Criteria
 Underclearances (69): N Not applicable (NBI)
 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): 3 SC - Unstable

Minimum Vertical Clearance

Over Structure (53): 99.99 ft
 Under (reference) (54a): N Feature not hwy or RR
 Under (54b): 0 ft

Schedule**Current Inspection**

Inspection Date: 03/27/2019
 Inspector: KNOLEEC - Elliott Coon
 Bridge Group: E1N92
 Alt. Bridge Group:
 Primary Type: Regular NBI
 Review Required:

Geometrics

Spans in Main Unit (45): 4
 Approach Spans (46): 0
 Length of Max Span (48): 54.79 ft
 Structure Length (49): 219.2 ft
 Total Length: 259 ft
 Deck Area: 9207 sqft
 Structure Flared (35): 0 No flare

Age and Service

Year Built (27): 1969
 Year Reconstructed (106): 0
 Type of Service On (42a): 1 Highway
 Under (42b): 5 Waterway
 Fracture Critical Details: Not Applicable

Deck Type and Material

Deck Width (52): 42 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 Not Required
 Nav Vertical Clr (39): 0 ft
 Nav Horizontal Clr (40): 0 ft
 Min Vert Lift Clr (116): 0 ft
 Pier Protection (111): Not Applicable (P)

NBI Condition Rating

Sufficiency Rating: 99.9
 Health Index: 95.81
 Structural Eval (67): 7 Above Min Criteria
 Deficiency: Not Deficient

Minimum Lateral Underclearance

Reference (55a): N Feature not hwy or RR
 Right Side (55b): 0 ft
 Left Side (56): 0 ft

Next Inspection Date Scheduled

NBI: 03/27/2021
 Element: 03/27/2021
 Fracture Critical:
 Underwater: 02/12/2021
 Other/Special:
 Inventory Photo Update Due:

Attachment B

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM

Comprehensive Inventory Data Report
CIDR

REPORT ID: INSP005

Structure ID: 030145

DATE PRINTED: 11/17/2020

Schedule Cont.

Inspection Types
Performed

NBI Element Fracture Critical Underwater Other Special

Inspection Intervals Required (92) Frequency (92) Last Date (93) Inspection Resources

Inspection Intervals	Required (92)	Frequency (92)	Last Date (93)	Inspection Resources
Fracture Critical	<input type="checkbox"/>	mos		Crew Hours: 4
Underwater	<input checked="" type="checkbox"/>	24 mos	02/12/2019	Flagger Hours: 0
Other Special	<input type="checkbox"/>	mos		Helper Hours: 0
NBI		24 mos (91)	03/27/2019 (90)	Snooper Hours: 0
				Special Crew Hours: 3
				Special Equip Hours: 0

Bridge Related

General Bridge Information

Parallel Bridge Seq: 0146
Channel Depth: 7.6 ft
Radio Frequency: 0
Phone Number:
Exception Date:
Exception Type: Unknown
Accepted By Maint: 01/01/1969
Warranty Expiration: 00/00/0000
Performance Rating: Good

Bridge Rail 1: Steel guard/steel post
Bridge Rail 2: Not applicable-No rail
Electrical Devices: No electric service
Culvert Type: Not applicable
Maintenance Yard: 192-Ft. Myers Ops
FIHS ON / OFF: No Routes on FIHS
Previous Structure:
2nd Previous Structure:
Replacement Structure:

Permitted Utilities: Power Water Gas Fiber Optic Sewage Other

Bridge Load Rating Information

Inventory Type (065): 1 LF Load Factor
Operating Type (063): 1 LF Load Factor
Original Design Load (031): 6 MS18(HS20)+mod
Date: 08/09/2010
Initials: SW
Load Rating Rev. Recom.: No
Load Rating Plans Status: Design or Construction

Inventory Rating (066): 39.7 tons
Operating Rating (064): 66.3 tons
FL120 Permit Rating:
HS20/FL120 Max Span Rating:
Dynamic Impact in Percent:
Governing Span Length:
Minimum Span Length:
Distribution Method:

Load Rating Notes:

LEGAL LOADS

SU2:
SU3:
SU4:
C3:
C4:
C5:
ST5:

Posting (070): 5 At/Above Legal Loads

Open/Posted/Closed (041): A Open, no restriction

FLOOR BEAM (FB)

FB Present: No

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

POSTING

Recom. SU Posting:
Recom. C Posting:
Recom. ST5 Posting:
Actual SU Posting:
Actual C Posting:
Actual ST5 Posting:
Actual Blanket Posting:
Emergency Vehicle:

SEGMENTAL (SEG)

SEG Wing-Span: -1.0 ft
SEG Web-to-Web Span: -1.0 ft
SEG Transverse HL93 Operating:

Bridge Scour and Storm Information

Pile Driving Record:
Foundation Type:
Mode of Flow:
Rating Scour Eval:
Highest Scour Eval:
Scour Evaluation Method:

Scour Recommended I:
Scour Recommended II:
Scour Recommended III:
Scour Elevation:
Action Elevation:
Storm Frequency:

**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM**

**Comprehensive Inventory Data Report
CIDR**

REPORT ID: INSP005

Structure ID: 030145

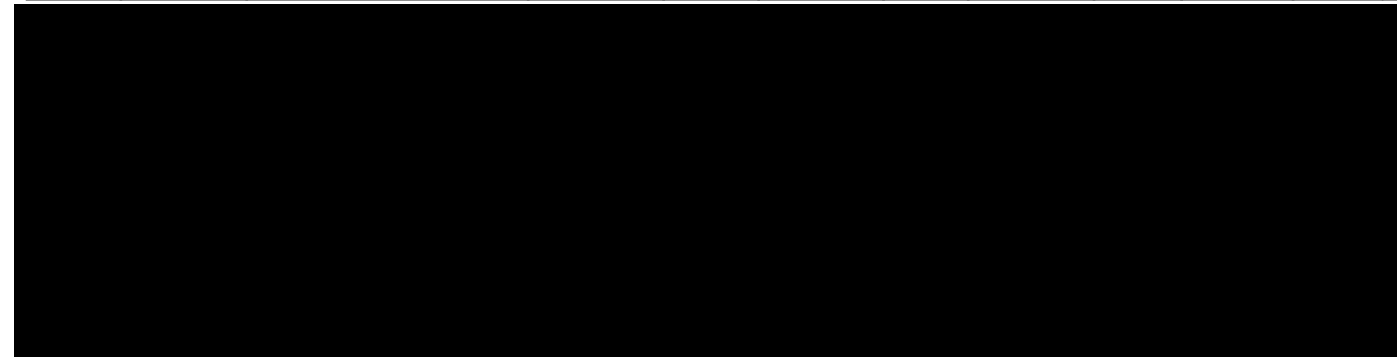
DATE PRINTED: 11/17/2020

Elements

Inspection Date: 03/27/2019 MYDL

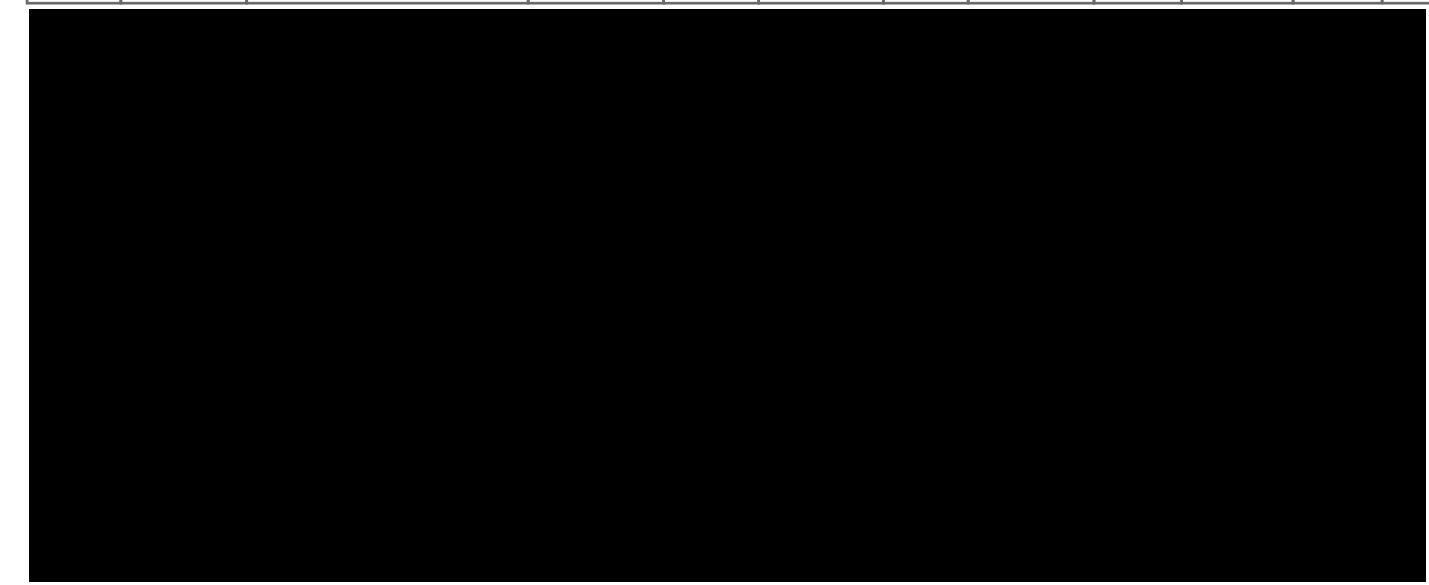
DECKS : Decks/Slabs

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
0	12 / 4	Re Concrete Deck	9206	99.99	1	0.01	0	.	0	.	9207 sq.ft
0	1080 / 4	Delamination/Spall/Patched Area	0	.	1	100	0	.	0	.	1 sq.ft



DECKS : Joints

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
0	304 / 4	Open Expansion Joint	181	86.19	26	12.38	3	1.43	0	.	210 ft
0	2360 / 4	Adjacent Deck or Header	0	.	26	89.66	3	10.34	0	.	29 ft



MISCELLANEOUS : Channel

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
0	8290 / 4	Channel	0	.	0	.	1	100	0	.	1 (EA)
0	9120 / 4	Degradation	0	.	0	.	1	100	0	.	1 (EA)



**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM**

**Comprehensive Inventory Data Report
CIDR**

REPORT ID: INSP005

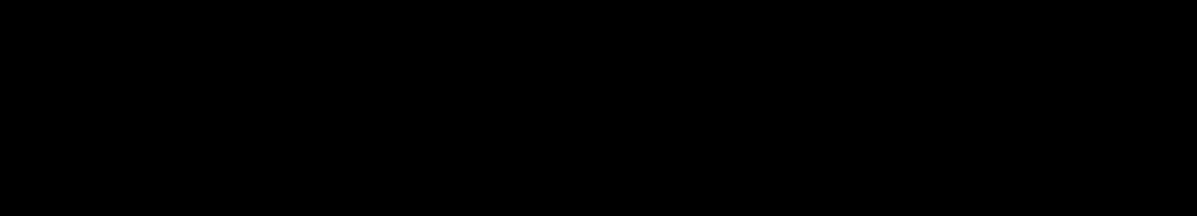
Structure ID: 030145

DATE PRINTED: 11/17/2020



MISCELLANEOUS : Other Elements

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
0	321 / 4	Re Conc Approach Slab	1680	100	0	.	0	.	0	.	1680 sq.ft
0	510 / 4	Wearing Surfaces	1582	98.14	30	1.86	0	.	0	.	1612 sq.ft
0	3220 / 4	Crack (Wearing Surface)	0	.	30	100	0	.	0	.	30 sq.ft



MISCELLANEOUS : Other Elements

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
0	8475 / 4	R/Conc Walls	30	100	0	.	0	.	0	.	30 ft



Attachment B

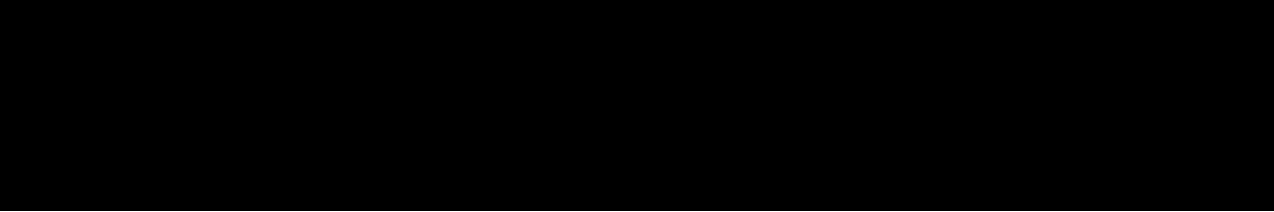
SUBSTRUCTURE : Substructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
0	215 / 4	Re Conc Abutment	85	100	0	.	0	.	0	.	85 ft



SUBSTRUCTURE : Substructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
0	226 / 4	Pre Conc Pile	17	94.44	0	.	1	5.56	0	.	18 (EA)
0	1080 / 4	Delamination/Spall/Patched Area	0	.	0	.	1	100	0	.	1 (EA)



SUBSTRUCTURE : Substructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
0	234 / 4	Re Conc Pier Cap	108	86.4	7	5.6	10	8	0	.	125 ft
0	1080 / 4	Delamination/Spall/Patched Area	0	.	0	.	6	100	0	.	6 ft

**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM**

Comprehensive Inventory Data Report

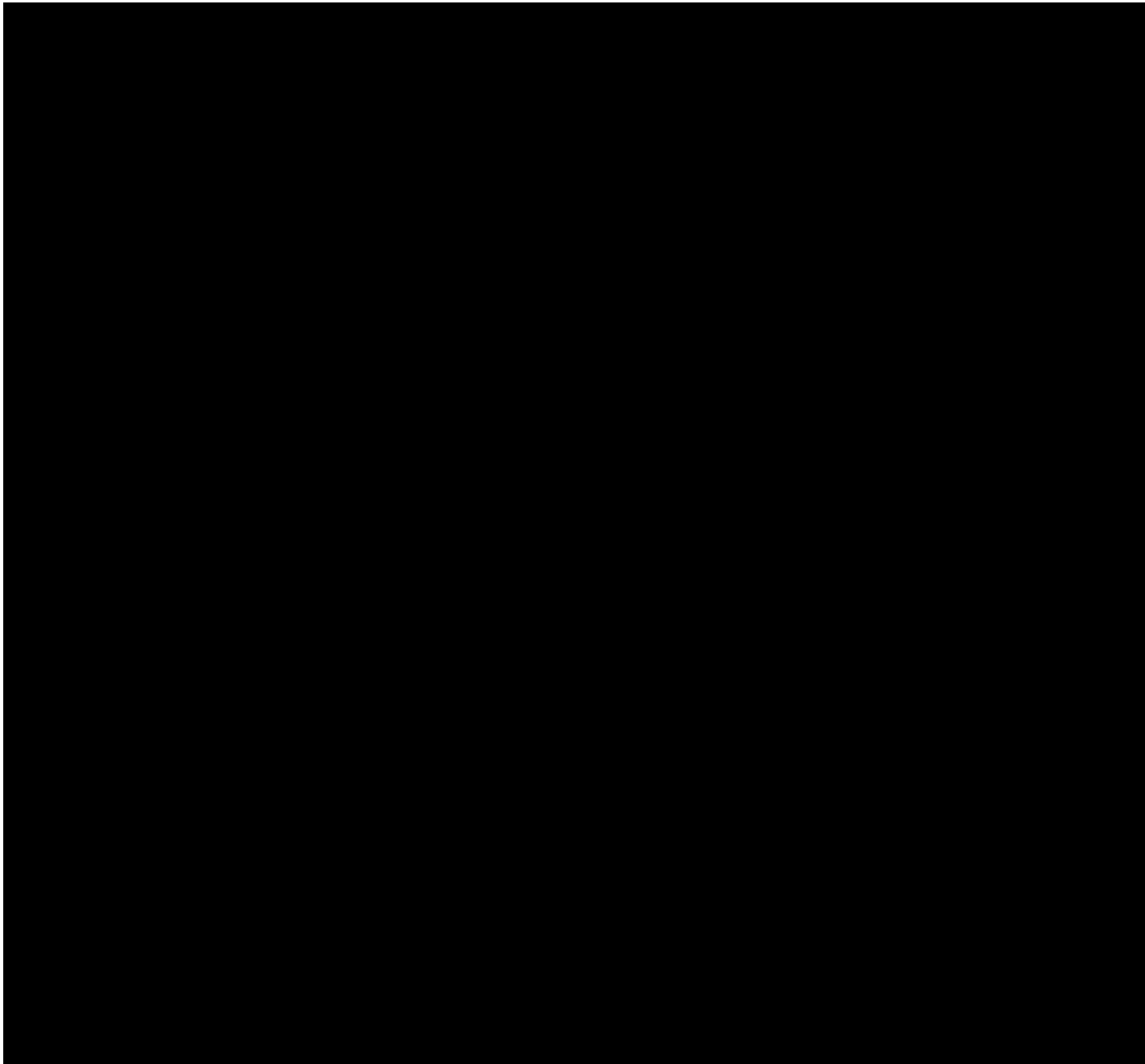
REPORT ID: INSP005

Structure ID: 030145

CIDR

DATE PRINTED: 11/17/2020

0	1120 / 4	Efflorescence/Rust Staining	0	.	5	55.56	4	44.44	0	.	9 ft
0	1130 / 4	Cracking (RC and Other)	0	.	2	100	0	.	0	.	2 ft



SUBSTRUCTURE : Substructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
0	8396 / 4	Other Abutment Slope Protection	4024	98.89	0	.	45	1.11	0	.	4069 (SF)
0	1080 / 4	Delamination/Spall/Patched Area	0	.	0	.	15	100	0	.	15 (SF)
0	6000 / 4	Scour	0	.	0	.	30	100	0	.	30 (SF)



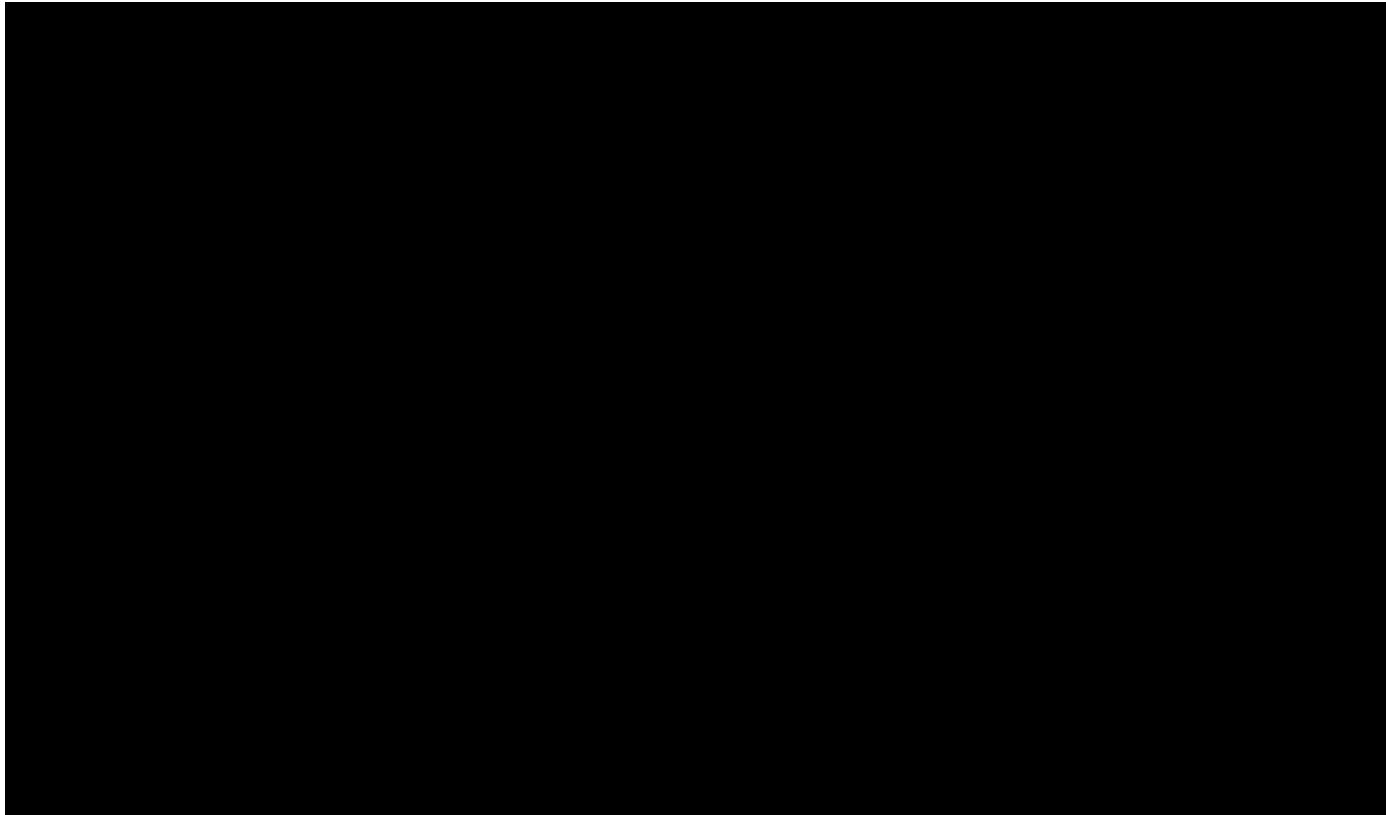
FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM

Comprehensive Inventory Data Report
CIDR

REPORT ID: INSP005

Structure ID: 030145

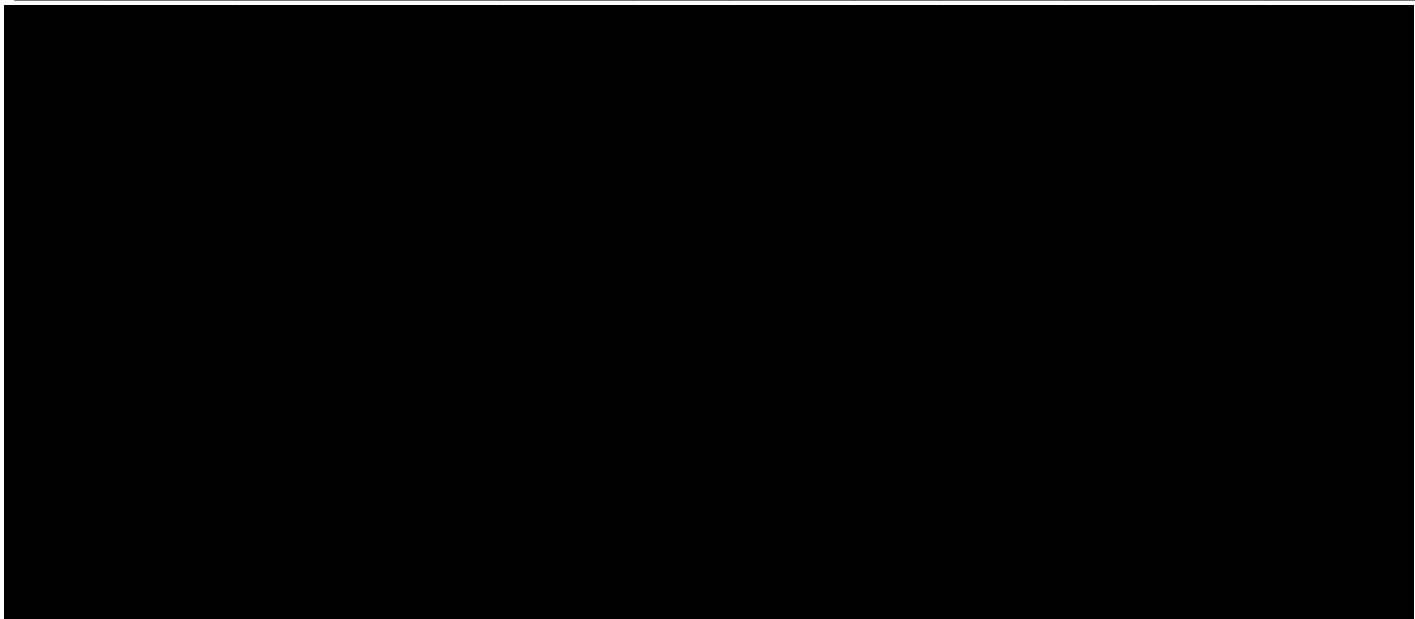
DATE PRINTED: 11/17/2020



Attachment B

SUPERSTRUCTURE : Bearings

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
0	311 / 4	Moveable Bearing	27	67.5	11	27.5	2	5	0	.	40 each
0	1000 / 4	Corrosion	0	.	1	100	0	.	0	.	1 each
0	1020 / 4	Connection	0	.	10	83.33	2	16.67	0	.	12 each
0	8518 / 4	Galvanized Steel	39	97.5	0	.	1	2.5	0	.	40 sq.ft
0	3440 / 4	Eff (Stl Protect Coat)	0	.	0	.	1	100	0	.	1 sq.ft



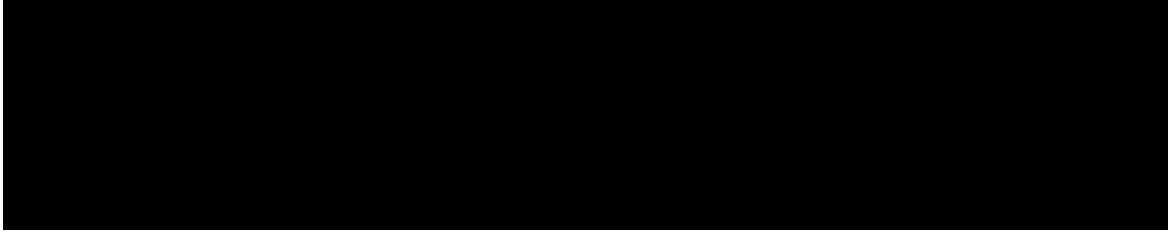
**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM**

**Comprehensive Inventory Data Report
CIDR**

REPORT ID: INSP005

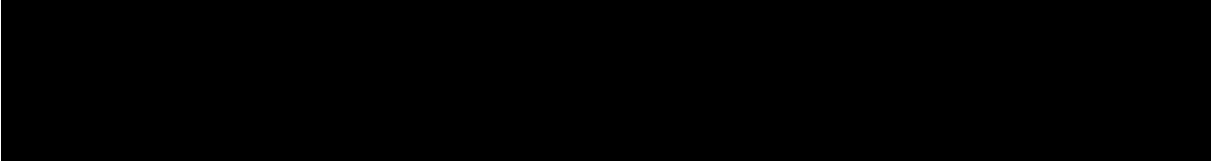
Structure ID: 030145

DATE PRINTED: 11/17/2020



SUPERSTRUCTURE : Superstructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
0	109 / 4	Pre Opn Conc Girder/Beam	1094	99.82	0	.	2	0.18	0	.	1096 ft
0	1080 / 4	Delamination/Spall/Patched Area	0	.	0	.	2	100	0	.	2 ft



SUPERSTRUCTURE : Superstructure

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
0	330 / 3	Metal Bridge Railing	440	100	0	.	0	.	0	.	440 ft
0	8518 / 3	Galvanized Steel	2200	100	0	.	0	.	0	.	2200 sq.ft



Attachment B

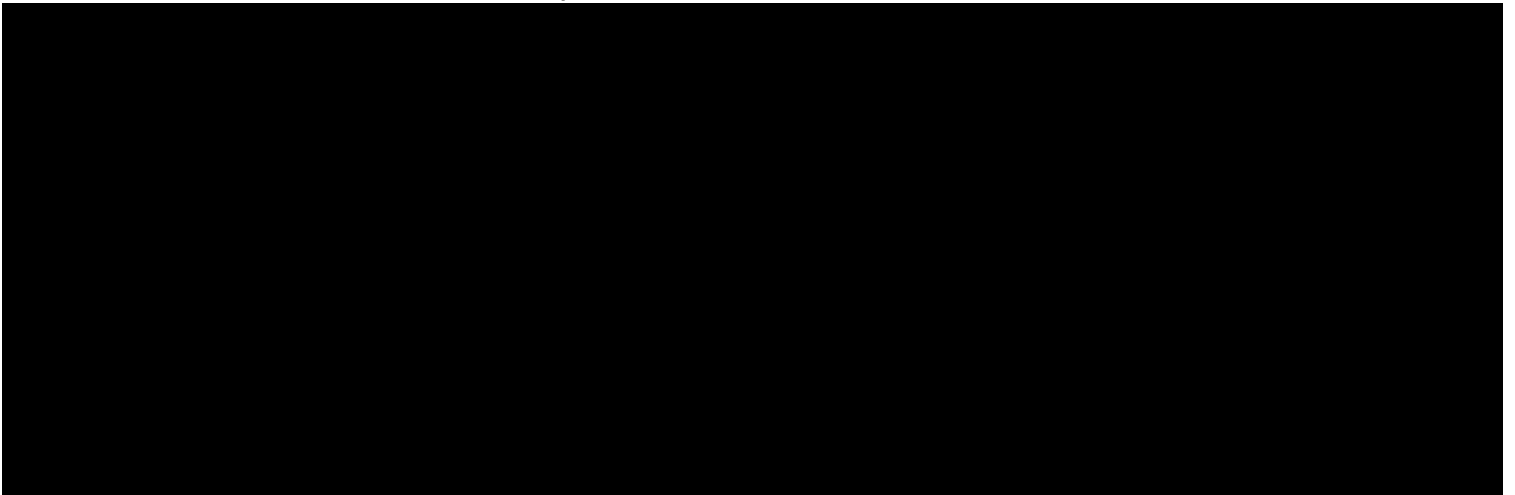
Total Number of Elements*: 12
*excluding defects/protective systems

Inspection Information

Inspection Date: 03/27/2019

Type: Regular NBI

Inspector: KNVOLEC - Elliott Coon



**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM**

**Comprehensive Inventory Data Report
CIDR**

REPORT ID: INSP005

Structure ID: 030145

DATE PRINTED: 11/17/2020



Attachment B