

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV

BY: Ayres Associates	STRUCTURE NAME: US-1 (Hopkins Ave.) SB at Main St
OWNER: 1 State Highway Agency	YEAR BUILT: 2011
MAINTAINED BY: 4 City/Municipal Hwy Agy	SECTION NO.: 70 030 101
STRUCTURE TYPE: 3 Steel - Traffic Signal Mast Arm	MP: 0.577
LOCATION: 0.19 Mile South of SR-406	ROUTE: 00001
SERV. TYPE ON: Traffic Signal Mast Arm	FACILITY CARRIED: US-1 (Hopkins) SB
SERV. TYPE UNDER: 1 Highway	FEATURE INTERSECTED: Main St
MAST ARM CODE: 2	MAST ARM DESCRIPTION: Mast arm is inside the mast arm boundary area

☐ FUNCTIONALLY OBSOLETE ☐ STRUCTURALLY DEFICIENT

TYPE OF INSPECTION: Regular NBI

DATE FIELD INSPECTION WAS PERFORMED: ABOVE WATER: 3/27/2026 UNDERWATER: N/A

SUFFICIENCY RATING: -1
HEALTH INDEX: 99.37

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV

BY: Ayres Associates
 OWNER: 1 State Highway Agency
 MAINTAINED BY: 4 City/Municipal Hwy Agy
 STRUCTURE TYPE: 3 Steel - Traffic Signal Mast Arm
 LOCATION: 0.19 Mile South of SR-406
 SERV. TYPE ON: Traffic Signal Mast Arm
 SERV. TYPE UNDER: 1 Highway
 MAST ARM CODE: 2

STRUCTURE NAME: US-1 (Hopkins Ave.) SB at Main St
 YEAR BUILT: 2011
 SECTION NO.: 70 030 101
 MP: 0.577
 ROUTE: 00001
 FACILITY CARRIED: US-1 (Hopkins) SB
 FEATURE INTERSECTED: Main St
 MAST ARM DESCRIPTION: Mast arm is inside the mast arm boundary area

- ☐ 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

DATE FIELD INSPECTION WAS PERFORMED: ABOVE WATER: 3/27/2026 UNDERWATER: N/A

OVERALL NBI RATINGS:

DECK: N N/A (NBI) CHANNEL: N N/A (NBI)
 SUPERSTRUCTURE: 7 Good CULVERT: N N/A (NBI)
 SUBSTRUCTURE: 7 Good SUFF. RATING: -1
 PERF. RATING: Performance Rating Not applicable or not calculable. HEALTH INDEX: 99.37

FIELD PERSONNEL / TITLE / NUMBER:

INITIALS

Howell, Tim - Bridge Inspector (CBI #00338) (lead)

TPH

Vieau, Dick - Assistant Bridge Inspector

REVIEWING BRIDGE INSPECTION SUPERVISOR:

Maslyn, Rick - Bridge Inspector (CBI #00271)

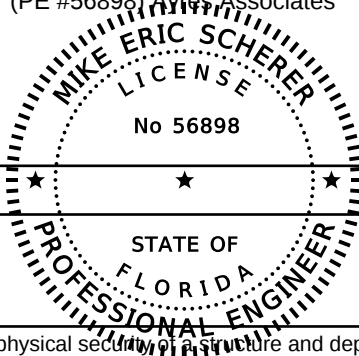
RM

CONFIRMING REGISTERED PROFESSIONAL ENGINEER:

Scherer, Michael - Professional Engineer (PE #56898) Ayres Associates
 8875 Hidden River Pkwy
 Suite 200
 Tampa FL 33637

SIGNATURE: _____

DATE: _____



THIS ITEM HAS BEEN DIGITALLY
 SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE
 NOT CONSIDERED SIGNED AND SEALED
 AND THE SIGNATURE MUST BE VERIFIED
 ON ANY ELECTRONIC COPIES.

This report contains information relating to the physical security of the 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.

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV

All Elements

MISCELLANEOUS : Other Elements

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
UNIT 0	8480 / 4	Mast Arm Foundation	2	100	0	.	0	.	0	.	2 (EA)

Element Inspection Notes:

8480/4 This element consists of 2 foundations.

NOTE: The anchor bolts below the base plate each have a full height & half height nut installed. The stand-off measurement reflects the un-braced anchor bolt length between the top of the foundation and bottom of the bottom leveling nut.

F2 - No deficiencies noted.

INCIDENTAL:

F1 - The wire screen is slightly damaged on the east side, but is still functional at this time. NO CHANGE.

CORRECTIVE ACTION TAKEN:

F1 & F2 - Heavy dirt & debris was removed from below the base plates and light corrosion on the anchor bolts & leveling nuts were cleaned painted by the inspectors during the 2026 Inspection.

PREVIOUS CORRECTIVE ACTION EVALUATION:

F1 - Clean the dirt and debris below the base plate and replace the vermin guard in accordance with FDOT Spec 649-6. No repairs have been performed, but was completed by the inspectors during the 2026 inspection.

FOUNDATION MEASUREMENTS:

Wire Screens: F1 = Yes; F2 = Yes

Base Plate Thickness: F1 = 1 3/4 in.; F2 = 1 3/4 in.

Bolt Diameter: F1 = 1 1/2 in.; F2 = 1 1/2 in.

Nut Height: F1 = 1 1/2 in.; F2 = 1 1/2 in.

Half Height Nut: F1 = 1 in.; F2 = 1 in.

Washer Thickness (above and below base plates): F1 = 1/4 in., F2 = 1/4 in.

Average Distance from Bottom of Base Plate to Foundation: F1 = 3 in.; F2 = 2 3/4 in.

Average Stand-Off Distance (un-braced length): F1 = 1/4 in.; F2 = 0 to 1/4 in.

MISCELLANEOUS : Other Elements

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
UNIT 0	8481 / 4	Metal Mast Arm Vertical	2	100	0	.	0	.	0	.	2 (EA)
UNIT 0	8518 / 4	Galvanized Steel	146	100	0	.	0	.	0	.	146 sq.ft

Element Inspection Notes:

8481/4 This element consists of 2 verticals.

NOTE: All verticals have a properly connected ground wire.

INCIDENTAL:

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.

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094

Inspection

DISTRICT: D5 - Deland

INSPECTION DATE: 3/27/2026 DMVV

V1 - The electrical terminal strip screws are corroded inside the compartment cover access. NO CHANGE. Refer to Photo 1. REPAIR

V1 & V2 - The compartment cover weatherproof gaskets are missing. NO CHANGE. Refer to Photo 2. REPAIR

V2 - (1) of (4) compartment cover bolts is missing, however, the cover is secure. NO CHANGE.

PREVIOUS CORRECTIVE ACTION EVALUATION:

V1 - Replace corroded terminal strip screws as needed. No repairs have been made since the 2021 inspection.

V1 - Remove birds nest inside the column. The nest inside the column interior was removed since the 2021 inspection.

V1 & V2 - Install compartment cover gaskets and replace compartment cover bolt as needed. No repairs have been made since the 2021 inspection.

The following thickness measurements were taken below access hatch and below the moment connection:

V1 = 0.380 in.

V2 = 0.380 in

Length of mast arm vertical members in linear feet.

V1 - 23.0 ft.

V2 - 22.0 ft.

8518/4 Refer to Parent Element

MISCELLANEOUS : Other Elements

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
UNIT 0	8484 / 4	Metal Mast Arm Horizontal	1	33.33	2	66.67	0	.	0	.	3 (EA)
UNIT 0	1020 / 4	Connection	0	.	2	100	0	.	0	.	2 (EA)
UNIT 0	8518 / 4	Galvanized Steel	280	100	0	.	0	.	0	.	280 sq.ft

Element Inspection Notes:

8484/4 This element consists of 3 horizontals.

CS2 (1020):

V1/H2 - Moment connection bolt #6 (bottom right) is loose. NEW. Refer to Photos 3. (1 EA) REPAIR.

V3/H3 - The moment connection has a gap up to 0.020 in. wide between the plates at bolt #6. NEW. Refer to Photo 4 & 5. (1 EA)

INCIDENTAL:

V1/H1, V1/H2 & V2/H3 - There is a heavy accumulation of bird nesting material inside the horizontal arm interiors at the moment connections viewed with a borescope inserted thru the arm drain holes. No corrosion could be seen thru the nesting material and D-meter readings at 3 in., 12 in. & 24 in. from the moment connection taken at the 5, 6 and 7 o'clock positions did not indicate any reduction in section at this time. NEW. Refer to Photos 6, 7 & 8. REPAIR

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV

V3 - There are several utility lines laying on top of the horizontal sign support bracket. NEW. Refer to Photo 9. REPAIR.

The following thickness measurements were taken on each horizontal member at the moment connection:

V1/H1 = 0.315 in.

V1/H2 = 0.255 in.

V2/H3 = 0.260 in.

Length of mast arm horizontal members in linear feet:

V1/H1 - 35.0 ft.

V1/H2 - 37.0 ft.

V2/H3 - 36.0 ft.

Minimum Vertical Clearance:

V1/H1 - 18.4 ft. (to south signal)

V1/H2 - 18.4 ft. (to west signal)

V2/H3 - 16.4 ft. (to street sign)

1020/4 Refer to Parent Element

8518/4 Refer to Parent Element

Total Number of ADE Elements*: 3

*excluding defects/protective systems

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV

Inspector Recommendations

UNIT: UNIT 0 MISCELLANEOUS

ELEMENT/ENV: 8481 / 4 Metal Mast Arm Vertical

ELEM CATEGORY: Other Elements

CONDITION STATE			PRIORITY
1	MMS Quantity: 1 mh	Element Estimated Quantity: 1 (EA)	3
WORK ORDER RECOMMENDATION:			
V1 - Clean & protect terminal strip screws.			
1	MMS Quantity: 2 mh	Element Estimated Quantity: 2 (EA)	3
WORK ORDER RECOMMENDATION:			
V1 & V2 - Install weatherproof gasket for terminal compartment cover per FDOT Index 649-031.			

ELEMENT/ENV: 8484 / 4 Metal Mast Arm Horizontal

ELEM CATEGORY: Other Elements

CONDITION STATE			PRIORITY
1 , 2	MMS Quantity: 2 mh	Element Estimated Quantity: 1 (EA)	3
WORK ORDER RECOMMENDATION:			
V1H2 - Replace moment connection bolt 6 with new Galv. A325 bolt 6in L x 1in. dia.			
1 , 2	MMS Quantity: 3 mh	Element Estimated Quantity: 3 (EA)	3
WORK ORDER RECOMMENDATION:			
H1 H2 & H3 - Install screening at the moment connection plates to prevent nesting in arms.			

Structure Notes

Maintaining Agency:

City of Titusville

Kevin Cook, P.E.
Public Works Director
2910 Garden Street
Titusville, FL 32780
321-567-3846
kevin.cook@titusville.com

Joseph M. Arena
Traffic/Electrical Maintenance Supervisor
101 N. Singleton Av.
Titusville FL, 32796
Ph. 321-567-3820
joey.arena@titusville.com

Plans are available at the District 5 Structures Maintenance office.

The year built is 2011 and is based on date of final acceptance. Structures were built under Project # 418647-1-52-01.

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.

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV

INSPECTION NOTES: DMVV 3/27/2026

40 ft. insulated bucket truck was utilized for inspection.

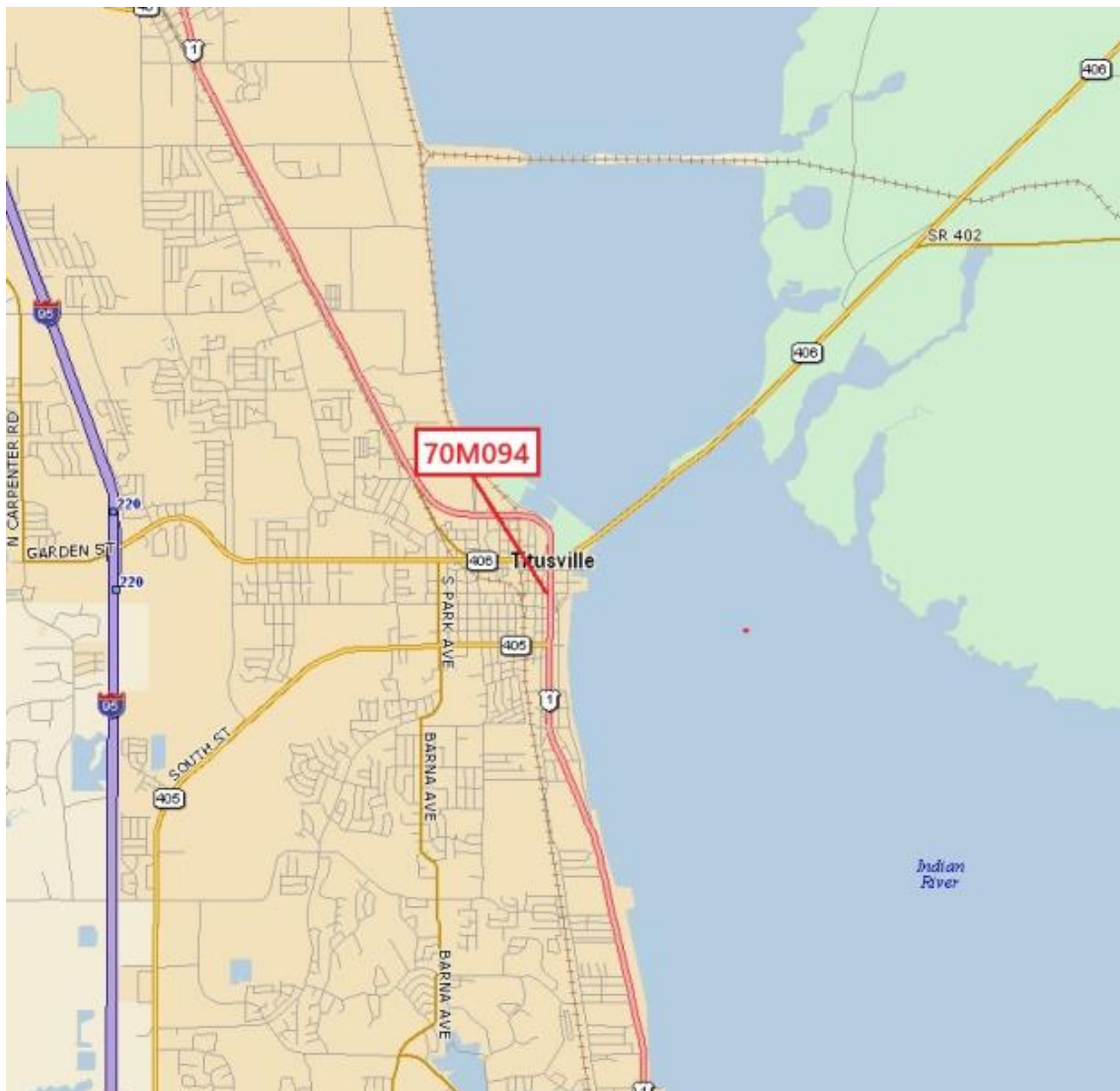
FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094

Inspection

DISTRICT: D5 - Deland

INSPECTION DATE: 3/27/2026 DMVV



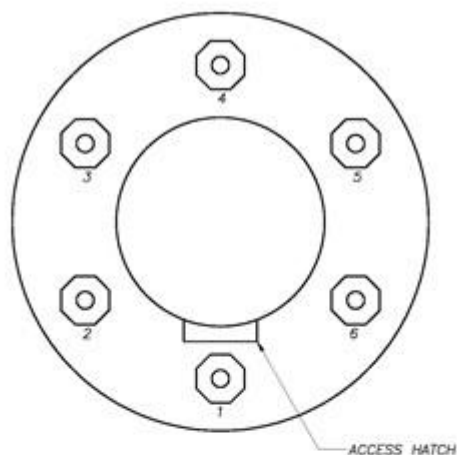
US-1 (Hopkins Ave.) SB @ Main Street - 0.19 Miles South of SR-406 (Garden St.)

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
 (TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

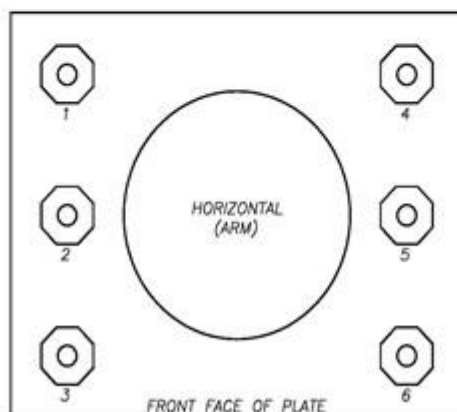
Structure ID: 70M094
 DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV



TSM ANCHOR BOLT NUMBERING SCHEME



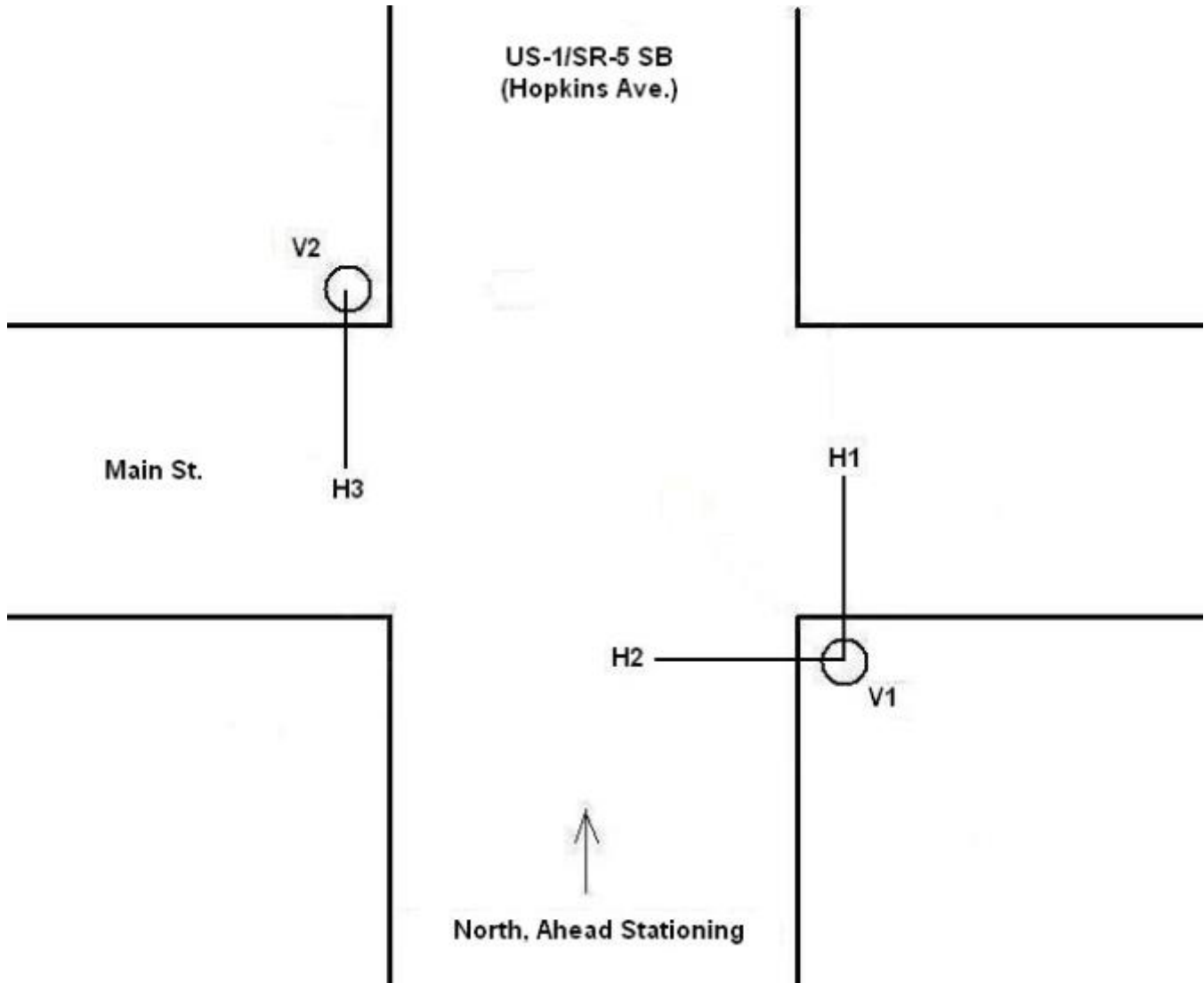
TSM MOMENT CONNECTION BOLT NUMBERING SCHEME

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV



Intersection Layout

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV



Intersection Overview (Looking South)

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV



Photo 1 - Element 8481 Mast Arm Vertical

V1 - Corroded terminal strip screws

WORK ORDER RECOMMENDATION:

V1 - Clean & protect terminal strip screws.

**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)**

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV



Photo 2 - Element 8481 Mast Arm Vertical

V1 & V2 - Typical terminal compartment cover missing the weatherproof gasket.

REPAIR RECOMMENDATION:

V1 & V2 - Install weatherproof gasket for terminal compartment cover per FDOT Index 649-031.

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV



Photo 3 - Element 8484 Mast Arm Horizontal

V1/H2 - Overview of moment connection bolt #6 loose.

WORK ORDER RECOMMENDATION:

V1H2 - Replace moment connection bolt 6 with new Galv. A325 bolt 6in L x 1in. dia.

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV



Photo 4 - Element 8484 Mast Arm Horizontal

V2/H3 - Overview of slight gap between moment connection plates at Bolt #6.

WORK ORDER RECOMMENDATION:
None.

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV



Photo 5 - Element 8484 Mast Arm Horizontal

V2/H3 - Close-up of slight gap between moment connection plates at Bolt #6.

WORK ORDER RECOMMENDATION:
None.

**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)**

**Structure ID: 70M094
DISTRICT: D5 - Deland**

Inspection

INSPECTION DATE: 3/27/2026 DMVV



Photo 6 - Element 8484 Mast Arm Horizontal

V1/H1 - Typical bird nesting material inside horizontal arm near the moment connection.

REPAIR RECOMMENDATION:

H1 H2 & H3 - Install screening at the moment connection plates to prevent nesting in arms.

**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)**

**Structure ID: 70M094
DISTRICT: D5 - Deland**

Inspection

INSPECTION DATE: 3/27/2026 DMVV



Photo 7 - Element 8484 Mast Arm Horizontal

V1/H2 - Typical bird nesting material inside horizontal arm near the moment connection.

REPAIR RECOMMENDATION:

H1 H2 & H3 - Install screening at the moment connection plates to prevent nesting in arms.

**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)**

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV



Photo 8 - Element 8484 Mast Arm Horizontal

V2/H3 - Typical bird nesting material inside horizontal arm near the moment connection.

REPAIR RECOMMENDATION:

H1 H2 & H3 - Install screening at the moment connection plates to prevent nesting in arms.

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report
(TRAFFIC SIGNAL MAST ARM INSPECTION REPORT)

Structure ID: 70M094
DISTRICT: D5 - Deland

Inspection

INSPECTION DATE: 3/27/2026 DMVV



Photo 9 - Element 8484 Mast Arm Horizontal

V3 - Utility wires laying on the top of the street sign support bracket.

WORK ORDER RECOMMENDATION:

V3 - Relocate the utility wires laying on top of the street sign support.

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

REPORT ID: INSP005

Structure ID: 70M094

Inspection/CIDR Report TRAFFIC SIGNAL MAST ARM

DATE PRINTED: 5/4/2026

Description

Structure Unit Identification

Bridge/Unit Key: 70M094 1

Structure Name: US-1 (Hopkins Ave.) SB at Main St

Description: TSMA

Type: M - Main

Structure Identification

Admin Area: Space Coast

District (2): D5 - Deland

County (3): (70) Brevard

Location (9): 0.19 Mile South of SR-406

FIPS State/Region (1): 12 Florida Region 4-Atlanta

NBIS Bridge Len (112): N - Does not meet NBI Length

Maint. Resp. (21): 4 City/Municipal Hwy Agy

Owner (22): 1 State Highway Agency

Previous Structure:

2nd Previous Structure:

Replacement Structure:

Age and Service

Year Built (27): 2011

Year Reconstructed (106): 0

Type of Service On (42a): Traffic Signal Mast Arm

Under (42b): 1 Highway

Structure Type and Material

Main Span Material (43A): 3 Steel

Main Span Design (43B): Traffic Signal Mast Arm

NBI Rating

Superstructure (59): 7 Good

Substructure (60): 7 Good

General Structure Information

Electrical Devices: Traffic control sys only

Maintenance Yard: 590-Cocoa (590)

Mast Arm Managing Agency ID:

Mast Arm Code: 2

Mast Arm Description: Mast arm is inside the mast arm boundary area

Appraisal

Minimum Vertical Clearance

Over Structure (53): 99.99 ft

Under (reference) (54a): H Hwy beneath struct

Under (54b): 0 ft

Minimum Lateral Underclearance

Reference (55a): H Hwy beneath struct

Right Side (55b): 0 ft

Left Side (56): 0 ft

Schedule

Current Inspection

Inspection Date: 03/27/2026

Inspector: KNAAATH - Tim Howell

Bridge Group: CAT71

Alt. Bridge Group:

Primary Type: Regular NBI

Review Required: ☒

Next Inspection Date

Scheduled

NBI: 03/27/2031

Element: 03/27/2031

Other/Special:

Inventory Photo Update Due: 03/31/2031

Inspection Types

Performed

NBI ☒Element ☒Other Special ☐

Inspection Intervals

Required (92)

Frequency (92)

Last Date (93)

Inspection Resources

Other Special ☐

NBI

mos

60 mos (91)

03/27/2026 (90)

Crew Hours: 2

Flagger Hours: 0

Helper Hours: 0

Snooper Hours: 0

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

REPORT ID: INSP005

Structure ID: 70M094

Inspection/CIDR Report TRAFFIC SIGNAL MAST ARM

DATE PRINTED: 5/4/2026

Elements

Inspection Date: 03/27/2026 DMVV

MISCELLANEOUS : Other Elements

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
UNIT 0	8480 / 4	Mast Arm Foundation	2	100	0	.	0	.	0	.	2 (EA)

MISCELLANEOUS : Other Elements

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
UNIT 0	8481 / 4	Metal Mast Arm Vertical	2	100	0	.	0	.	0	.	2 (EA)
UNIT 0	8518 / 4	Galvanized Steel	146	100	0	.	0	.	0	.	146 sq.ft

MISCELLANEOUS : Other Elements

Str Unit	Elem/Env	Description	Qty1	%1	Qty2	%2	Qty3	%3	Qty4	%4	T Qty
UNIT 0	8484 / 4	Metal Mast Arm Horizontal	1	33.33	2	66.67	0	.	0	.	3 (EA)
UNIT 0	1020 / 4	Connection	0	.	2	100	0	.	0	.	2 (EA)
UNIT 0	8518 / 4	Galvanized Steel	280	100	0	.	0	.	0	.	280 sq.ft

Total Number of ADE Elements*: 3

*excluding defects/protective systems

Inspection Information**Inspection Date:** 03/27/2026**Type:** Regular NBI**Inspector:** KNAAATH - Tim Howell**Inspection Notes:** 40 ft. insulated bucket truck was utilized for inspection.**Structure Notes**

Maintaining Agency:

City of Titusville

Kevin Cook, P.E.
Public Works Director
2910 Garden Street
Titusville, FL 32780
321-567-3846
kevin.cook@titusville.com

Joseph M. Arena
Traffic/Electrical Maintenance Supervisor
101 N. Singleton Av.
Titusville FL, 32796
Ph. 321-567-3820
joey.arena@titusville.com

Plans are available at the District 5 Structures Maintenance office.

The year built is 2011 and is based on date of final acceptance. Structures were built under Project # 418647-1-52-01.

Schedule Notes

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

REPORT ID: INSP005

Structure ID: 70M094

Inspection/CIDR Report TRAFFIC SIGNAL MAST ARM

DATE PRINTED: 5/4/2026

Under Route Information

Roadway Identification

NBI Structure No (8): 70M094
 Position/Prefix (5): A - 1st Route Under
 Kind Hwy (Rte Prefix): 2 U.S. Numbered Hwy
 Design Level of Service: 1 Mainline
 Route Number/Suffix: 00001 / 0 N/A (NBI)
 District (2): D5 - Deland
 County (3): (70) Brevard
 Place Code (4): Titusville
 Feature Intersect (6): Main St
 Roadway Name: US-1 (Hopkins Ave) SB
 Mile Point (11): 0.577
 Latitude (16): 028d36'45.1" Long (17): 080d48'29.7"

Roadway Traffic and Accidents

Lanes (28): 2 Medians: 0 Speed: 30 mph

Roadway Classification

Nat. Hwy Sys (104): 1 On the NHS
 National base Net (12): 1 - On Base Network
 LRS Inventory Rte (13a): 70 030 101 Sub Rte (13b): 00
 Functional Class (26): 14 Urban 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): 0 ft
 Horiz. (47): 0 ft Roadway (51): 0 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)

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

REPORT ID: INSP005

Structure ID: 70M094

Inspection/CIDR Report TRAFFIC SIGNAL MAST ARM

DATE PRINTED: 5/4/2026

Under Route Information

Roadway Identification

NBI Structure No (8): 70M094
 Position/Prefix (5): B - 2nd Route Under
 Kind Hwy (Rte Prefix): 5 City Street
 Design Level of Service: 1 Mainline
 Route Number/Suffix: 00000 / 0 N/A (NBI)
 District (2): D5 - Deland
 County (3): (70) Brevard
 Place Code (4): Titusville
 Feature Intersect (6): Main St
 Roadway Name: Main St
 Mile Point (11): 0.000
 Latitude (16): 028d36'45.1" Long (17): 080d48'29.7"

Roadway Traffic and Accidents

Lanes (28): 2 Medians: 0 Speed: 30 mph

Roadway Classification

Nat. Hwy Sys (104): 0 Not on NHS
 National base Net (12): 0 - Not on Base Network
 LRS Inventory Rte (13a): 70 160 501 Sub Rte (13b): 00
 Functional Class (26): 17 Urban Collector
 Federal Aid System: ON
 Defense Hwy (100): 0 Not a STRAHNET hwy
 Direction of Traffic (102): 2 2-way traffic
 Emergency: ☐

Roadway Clearances

Vertical (10): 0 ft
 Horiz. (47): 0 ft Roadway (51): 0 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)