Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK

BY: TranSystems Corporation Consultants STRUCTURE NAME: Not recorded

OWNER: 2 County Hwy Agency YEAR BUILT: 1961

MAINTAINED BY: 2 County Hwy Agency SECTION NO.: 88 000 002

STRUCTURE TYPE: 1 Reinforced Concrete - 01 Slab MP: 1.988

LOCATION: CR-615 (66TH AVE.) ROUTE: 00508

SERV. TYPE ON: 1 Highway FACILITY CARRIED: CR-508 (69TH ST.)
SERV. TYPE UNDER: 5 Waterway FEATURE INTERSECTED: LATERAL A CANAL

| FUNCTIONALLY OBSOLETE | | STRUCTURALLY DEFICIENT |
|-----------------------|--|------------------------|
|-----------------------|--|------------------------|

TYPE OF INSPECTION: Regular NBI

DATE FIELD INSPECTION WAS PERFORMED: ABOVE WATER: 10/29/2019 UNDERWATER: N/A

SUFFICIENCY RATING: 51.5

HEALTH INDEX: 80.93

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.

Structure ID: 884039

| DISTRICT: D4 - Ft. Lauderdale | INSPECTION DATE: 10/29/2019 MYLK | | | | | |
|--|--|-------------------|--|--|--|--|
| BY: TranSystems Corporation Consultants OWNER: 2 County Hwy Agency MAINTAINED BY: 2 County Hwy Agency STRUCTURE TYPE: 1 Reinforced Concrete - 01 Slab LOCATION: CR-615 (66TH AVE.) SERV. TYPE ON: 1 Highway SERV. TYPE UNDER: 5 Waterway THIS BRIDGE CONTAINS FRACTURE CRITICAL COMPONENT THIS BRIDGE IS SCOUR CRITICAL | STRUCTURE NAME: YEAR BUILT: SECTION NO.: MP: ROUTE: FACILITY CARRIED: FEATURE INTERSECTED: | | | | | |
| THIS REPORT IDENTIFIES DEFICIENCIES WHICH REQUIRE F | | N | | | | |
| FUNCTIONALLY OBSOLETE S1 | FRUCTURALLY DEFICIENT | | | | | |
| TYPE OF INSPECTION: Regular NBI | | | | | | |
| DATE FIELD INSPECTION WAS PERFORMED: ABOVE WATER: | 10/29/2019 UNDERWATE | R: N/A | | | | |
| OVERALL NBI RATINGS: | | | | | | |
| SUPERSTRUCTURE: 5 Fair CULV SUBSTRUCTURE: 5 Fair SUFF. RAT | INEL: 7 Minor Damage 'ERT: N N/A (NBI) ΓING: 51.5 DEX: 80.93 | | | | | |
| FIELD PERSONNEL / TITLE / NUMBER: | | INITIALS | | | | |
| Rivera, Michael - Bridge Inspector (CBI #00547) (lead) Linton, Deondre - Assistant Bridge Inspector | | | | | | |
| REVIEWING BRIDGE INSPECTION SUPERVISOR: | | | | | | |
| Sojo, Fernando - CBI (#00214) | | | | | | |
| CONFIRMING REGISTERED PROFESSIONAL ENGINEER: | | | | | | |
| McLennon, R. Wayne - PE #49174 Transystems Corporation Consulta 3230 West Commercial Blvd. Suite 450 (Auth. No. 00007503) Ft. Lauderdale Florida 33309 | ants | No 49174 | | | | |
| SIGNATURE: | | No 49174 | | | | |
| DATE: | | * * | | | | |
| This report has been digitally signed and sealed by Rudolph W. McLennon. PE on the date adjate to the seal as required by Rule 61G15-23.004, F.A.C Printed copies of this document are considered signed and sealed and the signature must be verified on any electronic copies. | | STATE OF FLORIDA | | | | |

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK

All Elements

DECKS: Decks/Slabs

| Str Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----------|----------|------------------------------------|------|------|------|-------|------|-------|------|----|------------|
| 0 | 38 / 3 | Re Concrete Slab | 1065 | 93.5 | 60 | 5.27 | 14 | 1.23 | 0 | | 1139 sq.ft |
| 0 | 1080 / 3 | Delamination/Spall/Patched Area | 0 | | 60 | 84.51 | 11 | 15.49 | 0 | | 71 sq.ft |
| 0 | 1090 / 3 | Exposed Rebar | 0 | | 0 | | 3 | 100 | 0 | | 3 sq.ft |
| 0 | 510/3 | Wearing Surfaces | 1080 | 100 | 0 | | 0 | | 0 | | 1080 sq.ft |

Element Inspection Notes:

38/3

Note: The deck top is not visible due to an asphalt overlay. Due to the high level of the earth slopes under Span 1, the underside of the western half of the span is not visible.

CS3:

- 1) Slab Unit 1-6 south edge has a spall 3ft. L x 7in. W x 2in. D with exposed corroded rebar with up to 7/8in. remaining section, adjacent to Post 1-2 and near the cap at Bent 2 (total 3sf). NO CHANGE. See Photo 38-S01.
- 2) Slab Unit 2-1 exhibits a spall 1ft. L x 4in. W x 2in. D with no exposed steel, 2ft. from Bent 2 (total 1sf). NEW. See Photo 38-S02.
- 3) Slab Unit 3-1 north edge has a spall 20in. L x 10in. H x 4in. D with exposed corroded rebar, at Post 3-2 left (total 2sf). NEW. See Photo 38-S03.
- 4) Slab Unit 3-1 south edge has a spall/delamination 4ft. L x 1ft. W x 4in. D with exposed corroded steel, at midspan (total 4sf). NO CHANGE. See Photo 38-S04.
- 5) Slab Unit 3-2 north edge has a delaminated patch 4ft. L x 6in. W at midspan (total 4sf). Previously noted as a delamination only. INCREASE. See Photo 38-S04.

CS2

- 6) Slab Unit 2-1 south edge has a sound patch 3ft. 4in. L \times 7in. W at midspan (total 3sf). Previously noted as a spall. DECREASE.
- 7) Slab Units 2-2 and 2-3 has a sound patch 6ft. L \times 9ft. W, at midspan (total 54sf). Previously noted as spalls. DECREASE. See Photo 38-S05.
- 8) Slab Unit 2-3 adjacent to Bent 3 cap has a sound patch 2ft. L \times 7ft. L (total 2sf). Previously noted as a spall. DECREASE.
- 9) Slab Unit 3-1 north face has a delamination 1ft. 2in. L \times 2in. W at Bent 3 (total 1sf). NO CHANGE. See Photo 38-S06.

Secondary:

10) There are no roadway reflectors along the curbs and bridge rails. NO CHANGE.

1080/3 Refer to EIN 2 thru 9.

1090/3 Refer to EIN 1.

510/3 CS1

10) The asphalt overlay exhibits transverse and longitudinal cracks up to 15ft. L \times 1/32in. W (total 150sf). NO CHANGE. See Photo 38-S07.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK

MISCELLANEOUS: Channel

| St | r Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----|--------|----------|--------------|------|----|------|-----|------|----|------|----|--------|
| 0 | | 8290 / 3 | Channel | 0 | | 1 | 100 | 0 | | 0 | | 1 (EA) |
| | 0 | 9150 / 3 | Bank Erosion | 0 | | 1 | 100 | 0 | | 0 | | 1 (EA) |

Element Inspection Notes:

8290/3 CS2

1) The dirt slopes at End Bents 1 and 4 are not protected and have erosion up to 10ft. L x 6ft. W x 4ft. under the joints between Slab Units 3 and 4. NO CHANGE. See Photo

8290-S01.

9150/3 Refer to EIN 1.

MISCELLANEOUS: Other Elements

| Str Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----------|----------|--------------|------|------|------|------|------|----|------|----|-------|
| 0 | 8476 / 3 | Timber Walls | 54 | 87.1 | 8 | 12.9 | 0 | | 0 | | 62 ft |
| 0 | 1020 / 3 | Connection | 0 | | 8 | 100 | 0 | | 0 | | 8 ft |

Element Inspection Notes:

8476/3

CS2:

1) The south end of the timber wall between Piles 2-3 and 2-5 at Bent 2 is displaced and separated up to 8ft. L \times 2ft. H (total 8ft). NEW. See Photo 8476-S01.

Secondary:

- 2) Timbers have been nailed to the piles at Bent 2. The timber wall at the east end is free standing. NO CHANGE.
- 3) The timbers are in good condition; however, dirt from the slopes behind the walls are spilling out from under the walls and from separations between the boards. NO CHANGE.
- 4) The timber wall below Span 3 is leaning towards the channel at the north and south ends. Previously noted at the north end only. INCREASE. See Photo 8476-S02.

1020/3 Refer to EIN 1.

SUBSTRUCTURE: Substructure

| Str Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----------|----------|------------------|------|-----|------|----|------|----|------|----|-------|
| 0 | 215 / 3 | Re Conc Abutment | 52 | 100 | 0 | | 0 | | 0 | | 52 ft |

Element Inspection Notes:

Note: The end bents are not visible due to the high level of the earth channel

No deficiencies were noted.

SUBSTRUCTURE: Substructure

| Str Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----------|----------|-----------------------------|------|----|------|----|------|-----|------|----|---------|
| 0 | 228 / 3 | Timber Pile | 0 | | 0 | | 7 | 70 | 3 | 30 | 10 (EA) |
| 0 | 1140/3 | Decay/Section Loss | 0 | | 0 | | 2 | 100 | 0 | | 2 (EA) |
| 0 | 1170/3 | Split/Delamination (Timber) | 0 | | 0 | | 5 | 100 | 0 | | 5 (EA) |

Element Inspection Notes:

228/3 Note: Piles 3-1, 3-3 and 3-4 are placed in CS4 due to the concrete jackets.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK

CS3:

- 1) The piles have weathering splits up to 4ft. H x 1/8in. W (total 5 ea). NO CHANGE.
- 2) Pile 2-3 at the north quadrant has an area of decay 6in. L \times 1ft. W \times 2in. D at the groundline (total 1 ea). NO CHANGE. See Photo 228-S01.
- 3) Pile 2-4 at the east quadrant at the cap has a splintered area 6in. L \times 6in. W \times 2in. D (total 1 ea). NO CHANGE. See Photo 228-S02.

Secondary:

4) The unjacketed piles have white fungus stains in the splash zone. NO CHANGE.

1140/3 Refer to EIN 2 and 3.

1170/3 Refer to EIN 1.

SUBSTRUCTURE: Substructure

| Str Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----------|----------|------------------------------------|------|-------|------|------|------|----|------|----|-------|
| 0 | 234 / 3 | Re Conc Pier Cap | 50 | 96.15 | 2 | 3.85 | 0 | | 0 | | 52 ft |
| 0 | 1080 / 3 | Delamination/Spall/Patched Area | 0 | | 2 | 100 | 0 | | 0 | | 2 ft |

Element Inspection Notes:

Note: The concrete toppings over the timber cap at the intermediate bents were evaluated under this element.

CS2:

1) The cap at Bent 3 on the west face has a delamination $2ft.\ L\ x\ 6in.\ H$ adjacent to Pile 3-3. NEW. See Photo 234-S01.

1080/3 Refer to EIN 1.

SUBSTRUCTURE: Substructure

| Str Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----------|----------|-----------------|------|-----|------|----|------|----|------|----|-------|
| 0 | 235 / 3 | Timber Pier Cap | 52 | 100 | 0 | | 0 | | 0 | | 52 ft |

Element Inspection Notes:

235/3 Secondary:

1) The timber cap extension boards have weathering splits up to $2ft. L \times 1/16in. W$ with white fungus growth. NO CHANGE. See Photo 235-S01.

SUBSTRUCTURE: Substructure

| Str Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----------|----------|---------------------------------|------|-------|------|-------|------|-------|------|----|--------|
| 0 | 8298 / 3 | Pile Jacket Bare | 1 | 33.33 | 1 | 33.33 | 1 | 33.33 | 0 | | 3 (EA) |
| 0 | 1080 / 3 | Delamination/Spall/Patched Area | 0 | | 0 | | 1 | 100 | 0 | | 1 (EA) |
| 0 | 1130 / 3 | Cracking (RC and Other) | 0 | | 1 | 100 | 0 | | 0 | | 1 (EA) |

Element Inspection Notes:

Note: Piles 3-1, 3-3 and 3-4 have 2 ft. diameter concrete jackets.

CS3

1) Pile Jacket 3-3 in the north quadrant has a spall and delamination 2ft. H x 20in. W x 3in. D with exposed corroded steel (total 1 ea). NO CHANGE. See Photo 8298-S01.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK

CS2:

2) Pile Jacket 3-4 has vertical cracks up to 3ft. L x 1/8in. W at random locations (total 1 ea). NO CHANGE. See Photo 8298-S02.

1080/3 Refer to EIN 1.

1130/3 Refer to EIN 2.

SUPERSTRUCTURE: Superstructure

| Str Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----------|----------|------------------------------------|------|-------|------|------|------|------|------|----|-------|
| 0 | 333 / 3 | Other Bridge Railing | 69 | 90.79 | 4 | 5.26 | 3 | 3.95 | 0 | | 76 ft |
| 0 | 1080 / 3 | Delamination/Spall/Patched Area | 0 | | 0 | | 3 | 100 | 0 | | 3 ft |
| 0 | 1220 / 3 | Deterioration (Other) | 0 | | 4 | 100 | 0 | | 0 | | 4 ft |

Element Inspection Notes:

1

333/3

Note: This element represents the concrete post and timber rail bridge railing. The bridge rail stops 3ft. 6in. short of the ends at all four corners.

CS3:

1) Posts 1-2, 2-1 and 3-1 right has spalls up to 10in. H x 6in. W x 3in. D with some exposing the anchor bolts (total 3ft). NEW. See Photo 333-S01.

CS2:

2) The timber railing between Post 1-1 and 1-2 right have a fractured area 4ft. L \times 6in. H (total 4ft). NEW. See Photo 333-S02.

Secondary:

3) There is no approach guardrail system provided at the structure. NO CHANGE. See Photo 333-503.

1080/3 Refer to EIN 1.

1220/3 Refer to EIN 2.

Total Number of Elements*: 9

*excluding defects/protective systems

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK

Inspector Recommendations

UNIT: 0 DECKS

ELEMENT/ENV: 38 / 3 Re Concrete Slab ELEM CATEGORY: Decks/Slabs

CONDITION STATE

1,2,3 MMS Quantity: 1 sf Element Estimated Quantity: 150 sq.ft 3
WORK ORDER RECOMMENDATION:
Repair transverse and longitudinal cracks in the asphalt overlay throughout the bridge.

1,2,3 MMS Quantity: 1 sf Element Estimated Quantity: 71 sq.ft 3

WORK ORDER RECOMMENDATION:

Repair spalls and delaminations in Slab Units 1-6 2-1 2-2 2-3 3-1 and 3-2.

UNIT: 0 MISCELLANEOUS

ELEMENT/ENV: 8476 / 3 Timber Walls ELEM CATEGORY: Other Elements

CONDITION STATE PRIORITY

1,2 MMS Quantity: 1 mh Element Estimated Quantity: 1 ft 3

WORK ORDER RECOMMENDATION:
Repair deteriorated and leaning timber wall below Span 3.

1,2 MMS Quantity: 1 mh Element Estimated Quantity: 8 ft 3

WORK ORDER RECOMMENDATION:

Repair displaced and separated timber wall at the south end between Piles 2-3 and 2-5 at Bent 2.

UNIT: 0 SUBSTRUCTURE

ELEMENT/ENV: 8298 / 3 Pile Jacket Bare ELEM CATEGORY: Substructure

CONDITION
STATE
PRIORITY

1,2,3 MMS Quantity: 1 mh Element Estimated Quantity: 1 (EA)

3

WORK ORDER RECOMMENDATION:

Repair spall and delamination in the north quadrant at Pile Jacket 3-3.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK

Inspector Recommendations

UNIT: 0 **SUPERSTRUCTURE**

ELEMENT/ENV: 333 / 3 Other Bridge Railing **ELEM CATEGORY: Superstructure**

| CONDITION STATE | | | PRIORITY |
|----------------------|-----------------------------|--------------------------------------|----------|
| 1,2,3 | MMS Quantity: 1 If | Element Estimated Quantity: 1 ft | 3 |
| WORK OF | RDER RECOMMENDATI | ON: | |
| Insta | all approach guardrails at | all four corners pf the bridge. | |
| 1,2,3 | MMS Quantity: 1 If | Element Estimated Quantity: 1 ft | 3 |
| WORK OF | RDER RECOMMENDATI | ON: | |
| Rep | air spalls in Posts 1-2 2-1 | and 3-1 right. | |
| 1 , 2 , 3 WORK OF | MMS Quantity: 1 If | Element Estimated Quantity: 4 ft ON: | 3 |

Repair fractured area at the timber railing between Posts 1-1 and 1-2 right.

Structure Notes

BRIDGE OWNER: INDIAN RIVER COUNTY

Structure inventoried from west to east.

Asphalt thickness = 2in.

This structure is on a 12 month inspection frequency due to CID Item 70, Bridge Posting, being coded a 4 or less. Element 38 Re Concrete Slab is the controlling element.

The inventory photos were last updated on 10/19/2017.

INSPECTION NOTES: MYLK 10/29/2019

Sufficiency Rating Calculation Accepted by KNTCCRP at 12/12/2019 08:30:00 AM

TRAFFIC RESTRICTIONS: This structure currently requires weight restriction posting as per the results of the most recent load analysis dated 04/13/2015. Posting is required for the SU and C type vehicles at or below the Operating ratings as follows: SU = 31 tons and C = 35 tons. The bridge is blanket posted for 30 Tons. Our inspection did not reveal significant deterioration to suggest the need for a new load rating analysis.

LOAD CAPACITY EVALUATION:

Since the current load rating dated 04/13/2015, 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 10/29/2019 per R. Wayne McLennon, P.E..

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



SOUTH ELEVATION

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



EAST APPROACH LOOKING WEST

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



LOCATION MAP

CR-508 (69th St) over Lateral A Canal - At CR-615 (66th Ave)

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK

| | ge # 039 | | | | F | DOT Br | idge Load Ratin | g Summai | y Form | | | | 1/1/2014 |
|--|--|--|---|--|--|---|---|---|--|--|---|-------------------------------|---------------------------------------|
| | | | | | | | LFR using Part B | | | | | | |
| Rating | Vehicle | Weight | LLDF per Wheel Line | LLDF per Wheel Line | Rating | Tons | Controlling Span | Controllin | g Location | Controlli | ing Force | Bridge Man Value (1 | |
| Level | | (tons) | (M) | (V) | Factor | | and Member | Distance (ft) | Percent (%) | Limit State | Туре | value (| ions, |
| Design Operating | | | 0.238 | N/A | 0.962 | 34.6 | Interior Slab Unit | 7.34 | 50.0 | Strength I | Flexure | Operating Rating (64) | 34.6 |
| Design Inventory | HS20-44 | 36.0 | 0.238 | N/A | 0.577 | 20.8 | Interior Slab Unit | 7.34 | 50.0 | Strength I | Flexure | Inventory Rating (66) | 20.8 |
| | SU2 | 17.0 | 0.238 | N/A | 1.400 | 23.8 | Interior Slab Unit | 7.34 | 50.0 | Strength I | Flexure | Single Unit Truck 2 Axles | 23.8 |
| | SU3 | 33.0 | 0.238 | N/A | 0.962 | 31.7 | Interior Slab Unit | 7.34 | 50.0 | Strength I | Flexure | Single Unit Truck 3 Axies | 31.7 |
| | SU4 | 35.0 | 0.238 | N/A | 0.959 | 33.6 | Interior Slab Unit | 7.34 | 50.0 | Strength I | Flexure | Single Unit Truck 4 Axles | 33.6 |
| Legal | C3 | 28.0 | 0.238 | N/A | 1.400 | 39.2 | Interior Slab Unit | 7.34 | 50.0 | Strength I | Flexure | Comb. Unit Truck 3 Axles | 39.2 |
| | C4 | 36.7 | 0.238 | N/A | 0.962 | 35.3 | Interior Slab Unit | 7.34 | 50.0 | Strength I | Flexure | Comb. Unit Truck 4 Axles | 35.3 |
| | C5 | 40.0 | 0.238 | N/A | 1.059 | 42.4 | Interior Slab Unit | 7.34 | 50.0 | Strength I | Flexure | Comb. Unit Truck 5 Axles | 42.4 |
| | ST5 | 40.0 | 0.238 | N/A | 1.176 | 47.0 | Interior Slab Unit | 7.34 | 50.0 | Strength I | Flexure | Truck Trailer 5 Axles | 47.0 |
| . This table . Controlling . Controlling . If a legal | ng location is ng force is po vehicle is no | s given bot rovided as it required | th by the dist flexure, shea for load ratio | ance from th ar, or stress to ng, enter "N/ | e left sup ogether w A" as the | port on t ih the co | ge Load Rating Man hat span and the fo prresponding limit s ctor. Bridge manag | raction of th state. Ex: Str | ength I - Fle | xure | .0 ^{ss} | | |
| 1. This table 2. Controllin 3. Controllin 4. If a legal 5. Values In 6. LLDF: Live 7. If posting | ig location is ig force is po vehicle is no the the sha is load distrib is not requi | s given bot rovided as it required ded cells v bution fact ired, enter | th by the dist flexure, shea for load ratio will automatio or (per whee "99" tons. | ance from th ar, or stress to ng, enter "N/ cally be calcu el line) is ente | e left sup ogether w A" as the lated. red for th | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of the state. Ex: Street gement value controlling c | ength I - Fle e will autom | xure | .O st | | |
| 1. This table 2. Controllin 3. Controllin 4. If a legal 5. Values in 5. LLDF: Live 7. If posting Bridge Load | ng location is ng force is po vehicle is no the the sha load distrib is not requi Rating Mar | s given bot rovided as it required ded cells v bution fact ired, enter nual & Brid | th by the dist flexure, sheat for load ratio will automation or (per wheet "99" tons. Ige Managem | ance from th ar, or stress to ng, enter "N/ cally be calcu el line) is ente | e left sup ogether w A" as the lated. red for th (BMS) Coo | port on t ih the co rating fa e contro | hat span and the for cresponding limit s ctor. Bridge manag | raction of the state. Ex: Street gement value controlling c | ength I - Fle e will autom | xure | .0 ^a | | , |
| 1. This table 2. Controllin 3. Controllin 4. If a legal 5. Values In 5. LLDF: Live 7. If posting Bridge Load | ng location is ng force is po vehicle is no the the sha load distrib is not requi Rating Mar | s given bot rovided as it required ded cells v bution fact ired, enter nual & Brid l.us/staten | th by the dist flexure, sheat for load ratio will automation or (per wheet "99" tons. Ige Managem | ance from the ar, or stress to ng, enter "N/ cally be calcu el line) is ente ment System | e left sup ogether w A" as the lated. red for th (BMS) Coo | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of the state. Ex: Str gement valu | ength I - Fle e will autom | xure natically be "-1 | | | |
| 1. This table 2. Controllin 3. Controllin 4. If a legal of the second of | g location is g force is pure per per per per per per per per per p | s given bot rovided as it required ded cells v bution fact ired, enter nual & Brid l.us/staten | th by the dist flexure, shea for load ratin will automatic or (per whee "99" tons. Ige Managem maintenanced | ance from the ar, or stress to ng, enter "N/ cally be calcu el line) is ente ment System | e left sup ogether w A" as the lated. red for th (BMS) Coo | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of the state. Ex: Str gement valu | ength I - Fle e will autom ase. | xure natically be "-1 | .0" | | |
| 1. This table 2. Controllin 3. Controllin 4. If a legal 5. Values In 5. LLDF: Live 7. If posting Bridge Load attp://www. Bridge Mana Load Rating I Reason for L. | g location is g force is provehicle is no the the shade load distritt is not requit Rating Mar adot, state, fl gement informate R. | s given bot rovided as at required ded cells v bution fact ired, enter nual & Brid l.us/staten | th by the dist flexure, shea for load ratin will automatic or (per whee "99" tons. Ige Managem maintenanced | ance from the r, or stress to ng, enter "N/cally be calcuel line) is enter the calcuel line) is enter System (office/division) | e left sup ogether w A" as the lated. red for th (BMS) Coo | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of the state. Ex: Str gement valu | ength I - Fle e will autom ase. | xure natically be "-1 | | | |
| 1. This table 2. Controllin 3. Controllin 4. If a legal 1 5. Values in 6. LLDF: Live 7. If posting Bridge Load http://www. Bridge Mana Gridge Mana Reason for L Program Use | g location is g force is provehicle is no the the shade load distrib is not requi Rating Mar adot, state, fl gement informate R. d & Version I | s given bot rovided as at required ded cells v bution fact ired, enter nual & Brid l.us/staten | th by the dist flexure, shea for load ratin will automatic or (per whee "99" tons. Ige Managem maintenanced | ance from the ar, or stress to age, enter "N/ cally be calcue! line) is enter enter the calcue! dine are the calcue! dine are the calcue! division are the calculations are the c | e left sup ogether w A" as the lated. red for th (BMS) Coo | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of the state. Ex: Str gement valu | ength I - Fle e will autom ase. | xure natically be "-1 | | | |
| 1. This table 2. Controllin 3. Controllin 4. If a legal 1 5. Values In 6. LLDF: Liv 7. If posting Bridge Load http://www. 8ridge Mana Load Rating I Reason for L. Program Use Load Rating I | ng location is ng force is provehicle is no the the sha- e load distritt is not requi- is not requi- is not requi- ment information cate. R. d & Version I Drigination | s given bot rovided as at required ded cells v bution fact ired, enter nual & Brid l.us/staten | th by the dist flexure, sheat for load ratir will automatic or (per whee "99" tons. Ige Managem maintenances 3/3/15 Update MathCad v15 (C) Field Mea (A) Working 9 | ance from the ar, or stress to me, enter "N/cally be calcuel line) is enter the art System office/division is unertes to surrements | e left sup ogether w A" as the lated. red for th (BMS) Coo | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of the state. Ex: Streement value controlling of Comments/ | ength I - Flee will automase. Assumptions | xure atically be "-1 See Assun | nptions Page. | | |
| 1. This table 2. Controllir 3. Controllir 4. If a legal 1 5. Values In 6. LLDF: Live 7. If posting Bridge Load http://www. Bridge Mana Load Rating I Reason for L Program Use Load Rating of Design Meth Method of C | ig location is ig force is pivehicle is no the the shale to load distribilities in not require. Rating Markdot, state, file gement inforce at the control of | s given bot rovided as it required ded cells voution fact fired, enter nual & Brid Lus/staten mation | th by the dist flexure, sheat for load ratin will automatic or (per whee "99" tons. Ige Managem maintenances 3/3/15 Update MathCad v15 (C) Field Mea (A) Working § (1) AASHTO F | ance from the ar, or stress to me, enter "N/cally be calcuel line) is enter the art System office/division is unertes to surrements | e left sup ogether w A" as the lated. red for th (BMS) Coo | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of thistate. Ex: Strigement value controlling of Comments/ | ength I - Fle e will autom ase. Assumptions by: | xure atically be "-1 See Assun | nptions Page. Date: | 2/25/2015 | |
| 1. This table 2. Controllir 3. Controllir 3. Controllir 5. Values In 6. LLDF: Liv 7. If posting 8 ridge Load ntp://www. 8 ridge Mana Load Rating I Reason for L Program Use Load Rating Meth Method of C LLDF (per wh | ing location is ing force is pure in ing force is pure in ing force is pure in ing in ing ing in ing ing ing ing in | s given bot rovided as it required ded cells voution fact fired, enter nual & Brid Lus/staten mation | th by the dist flexure, shea for load ratin will automatic or (per whee "99" tons. ige Managem naintenances 3/3/15 Update MathCad v15 (C) Field Mea (A) Working 5 (2) ASHTO F 0.238 | ance from the ar, or stress to me, enter "N/cally be calcuel line) is enter the art System office/division is unertes to surrements | e left sup ogether w A" as the lated. red for th (BMS) Coo | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of thistate. Ex: Strigement value controlling | ength I - Fle e will autom ase. Assumptions stion | xure atically be "-1 See Assun KWL SLC | nptions Page. Date: Date: | 3/3/2015 | |
| 1. This table 2. Controlling 3. Controlling 4. If a legal 1 5. Values in 6. LLDF: Live 7. If posting 8 Bridge Load 11tp://www 8 Bridge Mana 8 Bridge Mana 9 | ing location is ing force is pure included in the the shall be load distributed in the the shall be load distributed in the the shall be load distributed in the shall be load distributed in the shall be load distributed in the shall be load at the shall be load | s given bot rovided as it required ded cells voution fact fired, enter nual & Brid Lus/staten mation | th by the dist flexure, shea for load ratin will automatic or (per whee "99" tons. ige Managem naintenances 3/3/15 Update MathCad vol. (C) Field Mea (A) Working 5 (1) AASHTO F 0.238 30.0 | ance from th ir, or stress t ir, or stress ir, or stres | e left suppogether w A" as the lated. red for th (BMS) Coons.shtm | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of thistate. Ex: Strigement value controlling | ength I - Fle e will autom ase. Assumptions stion | xure atically be "-1 See Assun KWL SLC | nptions Page. Date: Date: | 3/3/2015 3/3/2015 | |
| 1. This table 2. Controllin 3. Controllin 5. Controllin 5. Values in 6. LLDF: Livr 7. If posting Bridge Load auto: Livr 8. Bridge Mana 8. God Rating in Reason for L 8. Coad Rating of Design Meth Method of C LLDF ger wh mach Load C LLDF ger wh mach C LLDF ger wh m m m m m m m m m m m m m m m m m m m | ng location in grore is puvehicle is no the the sha sha e load distrit is not required. Rating Markdot.state. If germent Information od a Version I Origination od alculation for eel line) r | s given bot rovided as it required ded cells voution fact fired, enter nual & Brid Lus/staten mation | th by the dist flexure, shee for load ratii will automatic or (per whee "99" tons. ge Managem maintenances 3/3/15 (C) Field Mea (A) Working 1 (1) AASHTO F 0.238 30.0 (0) Unknown | ance from the ry, or stress to ry, or stress to ry, enter "N, tally be calcuel line) is enter the stress to enter System office/division or surrements stress or mula (Describe in S | e left suppogether w A" as the lated. red for th (BMS) Coons.shtm | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of thistate. Ex: Strigement value controlling | ength I - Fle e will autom ase. Assumptions stion | xure atically be "-1 See Assun KWL SLC | nptions Page. Date: Date: | 3/3/2015 3/3/2015 71034 | ercampo c |
| 1. This table 2. Controllin 3. Controllin 4. If a legal 1. 5. Values In 5. LUBF: Live 7. If posting 8ridge Load antp://www 8ridge Mana Load Rating If 8reason for L Program Use Load Rating If 10 Lub If 10 Lu | ing location is grore is pivehicle is no the the shale load distrilt is not required. Rating Mark dot. State. If gement information and the control of the c | s given bot rovided as it required ded cells voution fact fired, enter nual & Brid Lus/staten mation | th by the dist flexure, shea for load ratil will automatic or (per whee "99" tons. ge Manager maintenances 3/3/15 Update MathCad v15 (C) Field Mea (A) Working (1) ASHTO F 0.238 30.0 (0) Unknown (1) Load Fact | ance from th If, or stress to If, or stress to If line) is enter I | e left suppogether w A" as the lated. red for th (BMS) Coons.shtm | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of thistate. Ex: Strigement value controlling | ength I - Fle e will autom ase. Assumptions stion | xure atically be "-1 See Assun KWL SLC | nptions Page. Date: Date: | 3/3/2015 3/3/2015 | · · · · · · · · · · · · · · · · · · · |
| 1. This table 2. Controllir 3. Controllir 4. If a legal ' 5. Values In 16. LLDF: Live 7. If posting Bridge Load 11tp://www 18ridge Mana 10ad Rating I 10es Roman Use 10ad Rating I 10es Roman 10es Rom | ng location in grore is puyehicle is no the the shade load distrit is not required. Rating Markdot.state. If germent information is not region and de & Version I prigination od each load of the color | s given bor rovided as it required ded cells v boution fact ired, enter ual & Brid i.us/staten matlon No. | th by the dist flexure, shee for load ratii will automatic or (per whee "99" tons. ge Managem maintenances 3/3/15 (C) Field Mea (A) Working 1 (1) AASHTO F 0.238 30.0 (0) Unknown | ance from th If, or stress to If, or stress to If line) is enter I | e left suppogether w A" as the lated. red for th (BMS) Coons.shtm | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of thistate. Ex: Strigement value controlling | ength I - Fle e will autom ase. Assumptions stion | xure atically be "-1 See Assun KWL SLC | nptions Page. Date: Date: | 3/3/2015 3/3/2015 71034 | ercampo c |
| 1. This table 2. Controllir 3. Controllir 4. If a legal 1. 5. Values In 5. LLDF: Live Bridge Load antip://www. Bridge Mana Load Rating I Breason for L Program Use Load Rating I Coal Ra | ing location is grore is pivehicle is no the the shale load distrit is not required in the the shale load distrit is not required in the the shale load distrit is not required in the the shale load distribution for the | s given bor rovided as it required ded cells v boution fact ired, enter ual & Brid i.us/staten matlon No. | th by the dist flexure, shea for load ratii will automatic or (per whee "99" tons. ge Manager maintenances 3/3/15 Update MathCad v15 (1) AshTO F 0.238 30.0 (0) Unknown (1) Load Fact (1) Load Fact (1) Load Fact | ance from th If, or stress to If, or stress to If line) is enter I | e left suppogether w A" as the lated. red for th (BMS) Coons.shtm | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of thistate. Ex: Strigement value controlling | ength I - Fle e will autom ase. Assumptions stion | xure atically be "-1 See Assun KWL SLC | nptions Page. Date: Date: | 3/3/2015 3/3/2015 71034 | ercampo c |
| L. This table 2. Controllir 3. Controllir 4. If a legal ' 5. Values In 16. LLDF: Live 7. If postings Bridge Load 11tp://www. 3. Gridge Mana 1. Gridge Mana 1 | ing location is grore is pivehicle is no the the shale load distrit is not required in the the shale load distrit is not required in the the shale load distrit is not required in the the shale load distribution for the | s given bot rovided as it required ded cells v bution fact fred, enter nual & Britanian nual & Britanian No. | th by the dist flexure, shea for load ratii vill automatic or (per whee "99" tons. Ige Managem naintenances 3/3/15 Update MathCad VIC (A) Working (A) (A) Working (A) (B) Update (A) Working (C) (B) Update (B) Upda | ance from th If, or stress to If, or stress to If line) is enter I | e left suppogether w A" as the lated. red for th (BMS) Coons.shtm | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of thistate. Ex: Strigement value controlling | ength I - Fle e will autom ase. Assumptions stion | xure atically be "-1 See Assun KWL SLC | nptions Page. Date: Date: | 3/3/2015 3/3/2015 71034 | ercampo e |
| L. This table L. Controllif L. Garage S. Controllif L. If a legal S. Values In S. LLDF: Live F. If posting Bridge Load Bridge Load Bridge Manas Load Rating I Reason for L Foogram Use Lose LDF (per wh mpact Facto Design Load Deperating Ty nventory Ty Main Type D Main Type D Main Type D Maproach Ty Approach Ty Approach Ty Approach Ty Approach Ty | ng location is gforce is pig force is not require its not require action. The control is not require in the control is not required in the control is not req | s given bot covided as it required it required it required it required it required it reduced it re | th by the dist flexure, shea for load ratii vill automatic or (per whee "99" tons. ge Managemanintenance: 3/3/15 Update MathCad v15 (C) Field Mea (A) Working (1) ASHTO FO (0) Unknown (1) Load Fact (1) Load Fact (1) Load Fact (1) Load Fact (0) Slab | ance from the control of the calculation of the cal | e left suppogether w A" as the lated. red for th (BMS) Coons.shtm | port on t ih the co rating fa e contro | hat span and the for erresponding limit s ctor. Bridge manag Illing span and the | raction of thistate. Ex: Strigement value controlling | ength I - Fle e will autom ase. Assumptions stion | xure atically be "-1 See Assun KWL SLC | nptions Page. Date: Date: | 3/3/2015 3/3/2015 71034 | ercampo c |
| L. This table L. Controllif L. Controllif L. If a legal L. Controllif L. If a legal L. Controllif L. If a legal L. LUP: Live L. If posting L. Lup: Live L. Lup: Lipe L. Lup: L | ng location is grore is pice to specific is no the the shall be add distrit is not required. Rating Maradot.state. If germent information of a development in the shall be a development i | s given bot covided as it required it required it required it required it required it reduced it re | th by the dist flexure, shea for load ratic vill automatic or (per whee "99" tons. ge Managemaintenances 3/3/15 Update MathCad v15 (C) Field Mea (A) Working 9 (1) AASHTO F 0.238 30.0 (0) Unknown (1) Load Fact (1) Concrete (01) Slab (B) Posting re | ance from that in, or stress to ing, enter "N, tally be calcue the line) is enter ent System in or in surrements Stress or (Describe in S or (LF) | e left suppgether w A" as the lated. Ired for th (BMS) Coons.shtm | port on t in the cc rating fa e contro | hat span and the fu proresponding limit a ctor. Bridge manag liling span and the ie are available at: | raction of thistate. Ex: Strigement value controlling | ength I - File e will autom ase. Assumptions stion by: y: Engineer: | See Assun KWL SLC TAL SIC TAL HIS-871-5331 | Date: Date: Date: P.E. License #: e-mail: | 3/3/2015 3/3/2015 71034 | ercampo c |
| 2. Controllir 3. Controllir 4. If a legal 5. Values In 5. LLDF: Live 7. If posting Bridge Load http://www. Bridge Mana Load Rating I Bridge Mana Load Rating I Bridge Mana Load Rating I Breason for L Program Use Load Rating I Breason for L CLLDF (per wh I I I I I I I I I I I I I I I I I I I | ing location is grore is piece is not require its not require its not require its not require and its not require its not require its not require its not require its not piece its not pie | s given bot covided as it required it required it required it required it required it reduced it re | th by the dist flexure, sheaf for load ratit vill automatic or (per whee "99" tons. ge Managem naintenance 3/3/15 Update Mathcad v15 (C) Field Mea (A) Working (1) (A) Load Fact (3) Sab | ance from the control of the calculation of the cal | e left suppgether w A" as the lated. Ired for th (BMS) Coons.shtm | port on t in the cc rating fa e contro | hat span and the fu proresponding limit a ctor. Bridge manag liling span and the ie are available at: | raction of thistate. Ex: Strigement value controlling | ength I - File e will autom ase. Assumptions stion by: y: Engineer: | See Assun KWL SLC TAL SIC TAL HIS-871-5331 | Date: Date: Date: P.E. License #: e-mail: | 3/3/2015 3/3/2015 71034 | ercampo e |
| 1. This table 2. Controllif 3. Controllif 4. If a legal 1 5. Values in 6. LLDF: LWG 7. If posting 8 legal 1 7. If posting 8 legal 2 8 legal 2 8 legal 3 8 legal 3 8 legal 4 8 legal 4 8 legal 6 8 le | ing location in grore is preventice is no the the shale is load distribution in the the shale is not required. It is not required in the shale is not required. It is not required in the shale is not required. It is not required in the shale in the shale in the shale is not required. It is not required in the shale in the shale in the shale is not shall be shall in the shale in th | s given bot covided as it required it required it required it required it required it reduced it re | th by the dist flexure, shea for load ratic vill automatic or (per whee "99" tons. ge Managemaintenances 3/3/15 Update MathCad v15 (C) Field Mea (A) Working 9 (1) AASHTO F 0.238 30.0 (0) Unknown (1) Load Fact (1) Concrete (01) Slab (B) Posting re | ance from that in, or stress to ing, enter "N, tally be calcue the line) is enter ent System in or in surrements Stress or (Describe in S or (LF) | e left suppgether w A" as the lated. Ired for th (BMS) Coons.shtm | port on t in the cc rating fa e contro | hat span and the fu proresponding limit a ctor. Bridge manag liling span and the ie are available at: | raction of thistate. Ex: Strigement value controlling | ength I - File e will autom ase. Assumptions stion by: y: Engineer: | See Assun KWL SLC TAL SIC TAL HIS-871-5331 | Date: Date: Date: P.E. License #: e-mail: | 3/3/2015 3/3/2015 71034 | ercampo c |
| I. This table 2. Controllir 3. Controllir 4. If a legal 1 5. Values In 5. LLDF: Live 7. If posting Bridge Load antp://www 8ridge Mana Oad Rating I 8eason for L 970gram Use Oad Rating I 90esign Meth Wethod of C LLDF (per wh mpact Facto Design Load Derraing Iy Main Type D Main Type D Main Type D Mapproach Ty Oppen/Postee Posting (70) Spans in Mal Approach Ty Open/Postee Posting (70) | ing location is ing location in graphic less in out the the shae load district is not required in the shae load district is not required in the shae load district is not required in the shae load district in the shae load in th | s given boto so | th by the dist flexure, sheaf for load ratii viil automatic or (per whee "99" tons. ge Managemaintenanced 3/3/15 Update Mathcad v15 (C) Field Mea (A) Working 1 (1) AASHTO F 0.238 30.0 (0) Unknown (1) Load Fact (3) Load Fact (3) Load Fact (3) Load Fact (3) Sab (6) Posting re (6) St/Above 3 | ance from that in, or stress to ing, enter "N, tally be calcue the line) is enter ent System in or in surrements Stress or (Describe in S or (LF) | e left suppgether w A" as the lated. Ired for th (BMS) Coons.shtm | port on t in the cc rating fa e contro | hat span and the fu proresponding limit a ctor. Bridge manag liling span and the ie are available at: | raction of thistate. Ex: Strigement value controlling | ength I - File e will autom ase. Assumptions stion by: y: Engineer: | See Assun KWL SLC TAL SIC TAL HIS-871-5331 | Date: Date: Date: P.E. License #: e-mail: | 3/3/2015 3/3/2015 71034 | ercampo c |
| L. This table L. Controllif S. Controllif Lif a legal I Li | ig location is grore is piecelic is no white the shale to load distrib is not require. It is not require is not require is not require and state. If germent information of the state of th | s given boto so | th by the dist flexure, shea for load ratii vill automatic or (per whee "99" tons. ge Managemanintenances 3/3/15 Update MathCad v15 (C) Field Mea (A) Working 3 (3) (3) (3) (3) (3) (3) (4) (4) (4) (4) (5) (5) (6) (5) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7 | ance from that in, or stress to ing, enter "N, tally be calcue the line) is enter ent System in or in surrements Stress or (Describe in S or (LF) | e left suppgether w A" as the lated. Ired for th (BMS) Coons.shtm | port on t in the cc rating fa e contro | hat span and the fu proresponding limit a ctor. Bridge manag liling span and the ie are available at: | raction of thistate. Ex: Strigement value controlling | ength I - File e will autom ase. Assumptions stion by: y: Engineer: | See Assun KWL SLC TAL SIC TAL HIS-871-5331 | Date: Date: Date: P.E. License #: e-mail: | 3/3/2015 3/3/2015 71034 | ercampo c |
| I. This table 2. Controllir 3. Controllir 4. If a legal 1 5. Values In 5. LLDF: Live 7. If posting Bridge Load antp://www 8ridge Mana Oad Rating I 8eason for L 970gram Use Oad Rating I 90esign Meth Wethod of C LLDF (per wh mpact Facto Design Load Derraing Iy Main Type D Main Type D Main Type D Mapproach Ty Oppen/Postee Posting (70) Spans in Mal Approach Ty Open/Postee Posting (70) | ig location is grore is piecelic is no white the shale to load distrib is not require. It is not require is not require is not require and state. If germent information of the state of th | s given boto so | th by the dist flexure, shea for load ratii vill automatic or (per whee "99" tons. ge Managem naintenances 3/3/15 Update Update (C) Field Mea (A) Working 30.0 (I) Unknown (I) Load Fact (I) Concrete (II) Load Fact (II) Concrete (II) Concrete (II) Concrete (II) Concrete (II) Concrete (II) Concrete (III) Co | ance from that are, or stress to the calculation of | le left supposether w A" as the lated. A " as the la | port on t in the cc rating fa e contro | hat span and the fu proresponding limit a ctor. Bridge manag liling span and the ie are available at: | raction of thistate. Ex: Strigement value controlling | ength I - File e will autom ase. Assumptions stion by: y: Engineer: | See Assun KWL SLC TAL SIC TAL HIS-871-5331 | Date: Date: Date: P.E. License #: e-mail: | 3/3/2015 3/3/2015 71034 | ercampo c |
| L. This table L. Controllif S. Controllif J. If a legal I S. Cyalues In S. Values In S. Values In S. LIDF: Live I Saridge Load http://www sridge Mana Load Rating I Season for L Program Use Load Rating I Season for L Design Meth Method of C LIDF (per wh) Main Type D Approach Ty Approach Ty Deprivation Signification Season for L S | ig location is ig location in groce is provehicle is not the the shale load distribt is not required. It is not required in the shale load distribt is not required. It is not required in the shale load distribution of the shale load distribution for each line in the shale load distribution for each load dist | s given boto so | th by the dist flexure, shea for load ratii vill automatic or (per whee "99" tons. ge Managemanintenances 3/3/15 Update MathCad v15 (C) Field Mea (A) Working 3 (3) (3) (3) (3) (3) (3) (4) (4) (4) (4) (5) (5) (6) (5) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7 | ance from that in, or stress to ing, enter "N, tally be calcue the line) is enter ent System in or in surrements Stress or (Describe in S or (LF) | e left suppgether w A" as the lated. Ired for th (BMS) Coons.shtm | port on t in the cc rating fa e contro | hat span and the fu proresponding limit a ctor. Bridge manag liling span and the ie are available at: | raction of thistate. Ex: Strigement value controlling | ength I - File e will autom ase. Assumptions stion by: y: Engineer: | xure atically be "-1 See Assun KWL SLC TAL | Date: Date: Date: P.E. License #: e-mail: | 3/3/2015 3/3/2015 71034 | ercampo c |

LOAD RATING ANALYSIS SUMMARY

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



WEIGHT LIMIT SIGN AT THE EAST APPROACH

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



WEIGHT LIMIT SIGN AT THE WEST APPROACH

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 38-S01 (Unit 0: Re Concrete Slab)

Spall with exposed corroded rebar with section loss in the south edge of Slab Unit 1-6, adjacent to Post 1-2 and near the cap at Bent 2.

REPAIR RECOMMENDATION:

Repair spalls and delaminations in Slab Units 1-6 2-1 2-2 2-3 3-1 and 3-2.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 38-S02 (Unit 0: Re Concrete Slab)

Spall with no exposed steel in Slab Unit 2-1, 2ft. from Bent 2.

REPAIR RECOMMENDATION:

Repair spalls and delaminations in Slab Units 1-6 2-1 2-2 2-3 3-1 and 3-2.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 38-S03 (Unit 0: Re Concrete Slab)

Spall with exposed corroded rebar in the north edge of Slab Unit 3-1 at Post 3-2 left.

REPAIR RECOMMENDATION:

Repair spalls and delaminations in Slab Units 1-6 2-1 2-2 2-3 3-1 and 3-2.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 38-S04 (Unit 0: Re Concrete Slab)

Spall/delamination with exposed corroded steel in the south edge of Slab Unit 3-1 at midspan. Note delaminated patch in the north edge of Slab Unit 3-2.

REPAIR RECOMMENDATION:

Repair spalls and delaminations in Slab Units 1-6 2-1 2-2 2-3 3-1 and 3-2.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 38-S05 (Unit 0: Re Concrete Slab)

Sound patch in Slab Units 2-2 and 2-3 at midspan.

REPAIR RECOMMENDATION: None.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 38-S06 (Unit 0: Re Concrete Slab)

Delamination in the north face of Slab Unit 3-1 at Bent 3.

REPAIR RECOMMENDATION:

Repair spalls and delaminations in Slab Units 1-6 2-1 2-2 2-3 3-1 and 3-2.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 38-S07 (Unit 0: Re Concrete Slab)

Longitudinal crack in the asphalt overlay eastbound lane in Span 1.

REPAIR RECOMMENDATION:

Repair transverse and longitudinal cracks in the asphalt overlay throughout the bridge.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 8290-S01 (Unit 0: Channel)

Erosion with timber wall installed at End Bent 4.

REPAIR RECOMMENDATION: None.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 8476-S01 (Unit 0: Timber Walls)

Displaced and separated timber wall at the south end between Piles 2-3 and 2-5 at Bent 2.

REPAIR RECOMMENDATION:

Repair displaced and separated timber wall at the south end between Piles 2-3 and 2-5 at Bent 2.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 8476-S02 (Unit 0: Timber Walls)

Leaning timber wall towards the channel below Span 3.

REPAIR RECOMMENDATION:

Repair deteriorated and leaning timber wall below Span 3.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 228-S01 (Unit 0: Timber Pile)

Decaying area in the north quadrant at Pile 2-3 at the groundline.

REPAIR RECOMMENDATION: None.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 228-S02 (Unit 0: Timber Pile)

Splintered area in the east quadrant at Pile 2-4 at the cap.

REPAIR RECOMMENDATION: None.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 234-S01 (Unit 0: Re Conc Pier Cap)

Delamination in the west face of the cap at Bent 3 adjacent to Pile 3-3.

REPAIR RECOMMENDATION: None.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 235-S01 (Unit 0: Timber Pier Cap)

Weathering splits in the timber extension board at the cap at Bent 2 at Pile 2-3.

REPAIR RECOMMENDATION: None.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 8298-S01 (Unit 0: Pile Jacket Bare)

Spall and delamination with exposed corroded steel in the north quadrant at Pile Jacket 3-3.

REPAIR RECOMMENDATION:

Repair spall and delamination in the north quadrant at Pile Jacket 3-3.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 8298-S02 (Unit 0: Pile Jacket Bare)

Vertical crack in the east quadrant of Pile Jacket 3-4.

REPAIR RECOMMENDATION: None.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 333-S01 (Unit 0: Other Bridge Railing)

Spall in the west face of Post 1-2 right.

REPAIR RECOMMENDATION: Repair spalls in Posts 1-2 2-1 and 3-1 right.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 333-S02 (Unit 0: Other Bridge Railing)

Fractured area at the timber railing between Post 1-1 and 1-2 right.

REPAIR RECOMMENDATION:

Repair fractured area at the timber railing between Posts 1-1 and 1-2 right.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



Photo 333-S03 (Unit 0: Other Bridge Railing)

No guardrail system provided at south approach.

REPAIR RECOMMENDATION:

Install approach guardrails at all four corners pf the bridge.

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.

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



NORTH CHANNEL

Structure ID: 884039

DISTRICT: D4 - Ft. Lauderdale INSPECTION DATE: 10/29/2019 MYLK



SOUTH CHANNEL

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.

DATE PRINTED: 12/12/2019

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

Inspection/CIDR/Bridge Profile Report CIDR

Structure ID: 884039

REPORT ID: INSP005

Description Structure Unit Identification

Bridge/Unit Key: 884039 0

Structure Name:

Description: MAIN SPAN 1

Type: M - Main

Roadway Identification

NBI Structure No (8): 884039

Position/Prefix (5): 1 - Route On Structure

Kind Hwy (Rte Prefix): 4 County Hwy Design Level of Service: 1 Mainline

Route Number/Suffix: 00508 / 0 N/A (NBI)
Feature Intersect (6): LATERAL A CANAL
Critical Facility: Not Defense-crit
Facility Carried (7): CR-508 (69TH ST.)

Mile Point (11): 1.988

Latitude (16): 027d43'09.2" Long (17): 080d27'42.8"

Roadway Classification

Nat. Hwy Sys (104): 0 Not on NHS

National base Net (12): 0 - Not on Base Network

LRS Inventory Rte (13a): 88 000 002 Sub Rte (13b): 00

Functional Class (26): 07 Rural Mjr Collector

Federal Aid System: ON

Defense Hwy (100): 0 Not a STRAHNET hwy

Direction of Traffic (102): 2 2-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): 5 Fair Superstructure (59): 5 Fair Substructure (60): 5 Fair

Roadway Traffic and Accidents

Lanes (28): 2 Medians: 0 Speed: 45 mph

ADT Class: 2 ADT Class 2

Recent ADT (29): 950 Year (30): 2019
Future ADT (114): 1647 Year (115): 2041

Truck % ADT (109): 4

Detour Length (19): 2.0 mi

Detour Speed: 45 mph

Accident Count: -1 Rate:

Roadway Clearances

Vertical (10): 99.99 ft Appr. Road (32): 19.5 ft

Horiz. (47): 24 ft Roadway (51): 24 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: ____

Improvement Cost (094): \$ 0.00 Roadway Improvement Cost (095): \$ 0.00

Total Cost (096): \$ 0.00 Year of Estimate (097):

Culvert (62): N N/A (NBI)
Waterway (71): 7 Above Minimum

Unrepaired Spalls: -1 sq.ft.
Review Required: X

DATE PRINTED: 12/12/2019

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

Inspection/CIDR/Bridge Profile Report CIDR

REPORT ID: INSP005 Structure ID: 884039

Structure Identification

Admin Area: Indian River County District (2): D4 - Ft. Lauderdale County (3): (88)Indian River

Place Code (4): Vero Beach

Location (9): CR-615 (66TH AVE.)

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): No || bridge exists Temp. Structure (103): Not Applicable (P)

Maint. Resp. (21): 2 County Hwy Agency Owner (22): 2 County Hwy Agency

Historic Signif. (37): 5 Not eligible for NRHP

Structure Type and Material

Curb/Sidewalk (50): Left: 0.6 ft Right: 0.6 ft

Bridge Median (33): 0 No median

Main Span Material (43A): 1 Reinforced Concrete

Appr Span Material (44A): Not Applicable Main Span Design (43B): 01 Slab Appr Span Design (44B): Not Applicable

Appraisal

Structure Appraisal

Open/Posted/Closed (41): P Posted for load

Deck Geometry (68): 4 Tolerable

Underclearances (69): N Not applicable (NBI)
Approach Alignment (72): 8-No Speed Red thru Curv

Bridge Railings (36a): 0 Substandard Transitions (36b): 0 Substandard

Approach Guardrail (36c): 0 Substandard Approach Guardrail Ends (36d): 0 Substandard

Scour Critical (113): 8 Stable Above Footing

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: 10/29/2019

Inspector: KNTCCMR - Michael Rivera

Bridge Group: C9S64

Alt. Bridge Group:

Primary Type: Regular NBI

Review Required: X

Geometrics

Spans in Main Unit (45): 3

Approach Spans (46): 0

Length of Max Span (48): 15 ft

Structure Length (49): 45 ft

Total Length: 45 ft

Deck Area: 1139 sqft

Structure Flared (35): 0 No flare

Age and Service

Year Built (27): 1961

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): 25.3 ft

Skew (34): 0 deg

Deck Type (107): 2 Concrete Precast Panel

Surface (108): 6 Bituminous Membrane: 0 None Deck Protection: None

Navigation Data

Navigation Control (38): Permit Not Required

Nav Vertical CIr (39): 0 ft Nav Horizontal CIr (40): 0 ft Min Vert Lift CIr (116): 0 ft

Pier Protection (111): Not Applicable (P)

NBI Condition Rating

Sufficiency Rating: 51.5

Health Index: 80.93

Structural Eval (67): 5 Above Min Tolerable

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: 10/29/2021

Element: 10/29/2020

Fracture Critical: Underwater:

Other/Special: 10/29/2020

Inventory Photo Update Due: 10/29/2027

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

Inspection/CIDR/Bridge Profile Report

Structure ID: 884039 CIDR DATE PRINTED: 12/12/2019

REPORT ID: INSP005

Schedule Cont. Inspection Types NBI X Element X Fracture Critical Underwater Other Special X **Performed Inspection Intervals** Required (92) Frequency (92) Last Date (93) **Inspection Resources** Fracture Critical Crew Hours: mos Underwater Flagger Hours: mos 10/29/2019 12 mos Helper Hours: Other Special NBI 24 mos (91) 10/29/2019 (90)Snooper Hours: Special Crew Hours: **Bridge Related** Special Equip Hours: 0 **General Bridge Information** Parallel Bridge Seq: Bridge Rail 1: Combination not defined Channel Depth: 1 ft Bridge Rail 2: Not applicable-No rail Radio Frequency: -1 Electrical Devices: No electric service Phone Number: Culvert Type: Not applicable Maintenance Yard: Not FDOT Maintained **Exception Date:** Exception Type: Unknown FIHS ON / OFF: No Routes on FIHS Accepted By Maint: 01/01/1961 Previous Structure: Warranty Expiration: 00/00/0000 2nd Previous Structure: Replacement Structure: Performance Rating: Fair Permitted Utilities: Power [Fiber Optic Sewage Other **Bridge Load Rating Information** Inventory Type (065): 1 LF Load Factor Inventory Rating (066): 20.8 tons Operating Type (063): 1 LF Load Factor Operating Rating (064): 34.6 tons Original Design Load (031): 0 Unknown FL120 Permit Rating: -1.0 tons Date: 04/13/2015 HS20/FL120 Max Span Rating: 34.6 tons Initials: SLC Dynamic Impact in Percent: 30 % Load Rating Rev. Recom.: Governing Span Length: 14.8 ft Load Rating Plans Status: Field Measurements Minimum Span Length: Distribution Method: AASHTO formula Load Rating Notes: **LEGAL LOADS POSTING** SU2: 23.8 tons Recom. SU Posting: 31 tons SU3: 31.7 tons Recom. C Posting: 35 tons SU4: 33.6 tons Recom. ST5 Posting: 99 tons C3: 39.2 tons Actual SU Posting: 99 tons C4: 35.3 tons Actual C Posting: 99 tons C5: 42.4 tons Actual ST5 Posting: 99 tons ST5: 47.0 tons Actual Blanket Posting: 30 tons Posting (070): 4 0.1-9.9%below Emergency Vehicle: 1 EV inapplicable Open/Posted/Closed (041): P Posted for load FLOOR BEAM (FB) FB Present: No **SEGMENTAL (SEG)** FB Span Length, Gov: 0.0 ft SEG Wing-Span: -1.0 ft FB Spacing, Gov: 0.0 ft SEG Web-to-Web Span: -1.0 ft FB OPR Rating: 0.0 tons SEG Transverse HL93 Operating: -1.00 RF FB SU4 OPR Rating: 0.0 tons FB FL120 Rating: 0.0 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 Scour Elevation: 999 ft Rating Scour Eval: Low Risk - Low Highest Scour Eval: Phase I completed Action Elevation: 999 ft Scour Evaluation Method: Unknown - Eval Not Comp Storm Frequency: 999

DATE PRINTED: 12/12/2019

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

Inspection/CIDR/Bridge Profile Report CIDR

Structure ID: 884039
Elements

REPORT ID: INSP005

Inspection Date: 10/29/2019 MYLK

DECKS: Decks/Slabs

| Str Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----------|----------|------------------------------------|------|------|------|-------|------|-------|------|----|------------|
| 0 | 38 / 3 | Re Concrete Slab | 1065 | 93.5 | 60 | 5.27 | 14 | 1.23 | 0 | | 1139 sq.ft |
| 0 | 1080 / 3 | Delamination/Spall/Patched Area | 0 | | 60 | 84.51 | 11 | 15.49 | 0 | | 71 sq.ft |
| 0 | 1090 / 3 | Exposed Rebar | 0 | | 0 | | 3 | 100 | 0 | | 3 sq.ft |
| 0 | 510 / 3 | Wearing Surfaces | 1080 | 100 | 0 | | 0 | | 0 | | 1080 sq.ft |

MISCELLANEOUS: Channel

| St | r Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|--------|--------|----------|--------------|------|----|------|-----|------|----|------|----|--------|
| 0 | | 8290 / 3 | Channel | 0 | | 1 | 100 | 0 | | 0 | | 1 (EA) |
| \Box | 0 | 9150 / 3 | Bank Erosion | 0 | | 1 | 100 | 0 | | 0 | | 1 (EA) |

MISCELLANEOUS: Other Elements

| Str Uni | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|---------|----------|--------------|------|------|------|------|------|----|------|----|-------|
| 0 | 8476 / 3 | Timber Walls | 54 | 87.1 | 8 | 12.9 | 0 | | 0 | | 62 ft |
| 0 | 1020 / 3 | Connection | 0 | | 8 | 100 | 0 | | 0 | | 8 ft |

SUBSTRUCTURE: Substructure

| Str Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----------|----------|------------------|------|-----|------|----|------|----|------|----|-------|
| 0 | 215 / 3 | Re Conc Abutment | 52 | 100 | 0 | | 0 | | 0 | | 52 ft |

SUBSTRUCTURE: Substructure

| Str Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----------|----------|-----------------------------|------|----|------|----|------|-----|------|----|---------|
| 0 | 228 / 3 | Timber Pile | 0 | | 0 | | 7 | 70 | 3 | 30 | 10 (EA) |
| 0 | 1140/3 | Decay/Section Loss | 0 | | 0 | | 2 | 100 | 0 | | 2 (EA) |
| 0 | 1170/3 | Split/Delamination (Timber) | 0 | | 0 | | 5 | 100 | 0 | | 5 (EA) |

SUBSTRUCTURE: Substructure

| Str Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----------|----------|------------------------------------|------|-------|------|------|------|----|------|----|-------|
| 0 | 234 / 3 | Re Conc Pier Cap | 50 | 96.15 | 2 | 3.85 | 0 | | 0 | | 52 ft |
| 0 | 1080 / 3 | Delamination/Spall/Patched Area | 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 | 235 / 3 | Timber Pier Cap | 52 | 100 | 0 | | 0 | | 0 | | 52 ft |

SUBSTRUCTURE: Substructure

| Str Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----------|----------|------------------------------------|------|-------|------|-------|------|-------|------|----|--------|
| 0 | 8298 / 3 | Pile Jacket Bare | 1 | 33.33 | 1 | 33.33 | 1 | 33.33 | 0 | | 3 (EA) |
| 0 | 1080 / 3 | Delamination/Spall/Patched Area | 0 | | 0 | | 1 | 100 | 0 | | 1 (EA) |
| 0 | 1130 / 3 | Cracking (RC and Other) | 0 | | 1 | 100 | 0 | | 0 | | 1 (EA) |

SUPERSTRUCTURE: Superstructure

| Str Unit | Elem/Env | Description | Qty1 | %1 | Qty2 | %2 | Qty3 | %3 | Qty4 | %4 | T Qty |
|----------|----------|------------------------------------|------|-------|------|------|------|------|------|----|-------|
| 0 | 333 / 3 | Other Bridge Railing | 69 | 90.79 | 4 | 5.26 | 3 | 3.95 | 0 | | 76 ft |
| 0 | 1080 / 3 | Delamination/Spall/Patched Area | 0 | | 0 | | 3 | 100 | 0 | | 3 ft |
| 0 | 1220 / 3 | Deterioration (Other) | 0 | | 4 | 100 | 0 | | 0 | | 4 ft |

DATE PRINTED: 12/12/2019

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

Inspection/CIDR/Bridge Profile Report CIDR

Total Number of Elements*: 9 *excluding defects/protective systems

Inspection Information

REPORT ID: INSP005

Structure ID: 884039

Inspection Date: 10/29/2019 **Type:** Regular NBI

Inspector: KNTCCMR - Michael Rivera

Inspection Notes: Sufficiency Rating Calculation Accepted by KNTCCRP at 12/12/2019 08:30:00 AM

TRAFFIC RESTRICTIONS: This structure currently requires weight restriction posting as per the results of the most recent load analysis dated 04/13/2015. Posting is required for the SU and C type vehicles at or below the Operating ratings as follows: SU = 31 tons and C = 35 tons. The bridge is blanket posted for 30 Tons. Our inspection did not reveal significant deterioration to

suggest the need for a new load rating analysis.

LOAD CAPACITY EVALUATION:

Since the current load rating dated 04/13/2015, 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 10/29/2019 per R. Wayne

McLennon, P.E..

Structure Notes

BRIDGE OWNER: INDIAN RIVER COUNTY

Structure inventoried from west to east.

Asphalt thickness = 2in.

This structure is on a 12 month inspection frequency due to CID Item 70, Bridge Posting, being coded a 4 or less. Element 38 Re Concrete Slab is the controlling element.

The inventory photos were last updated on 10/19/2017.

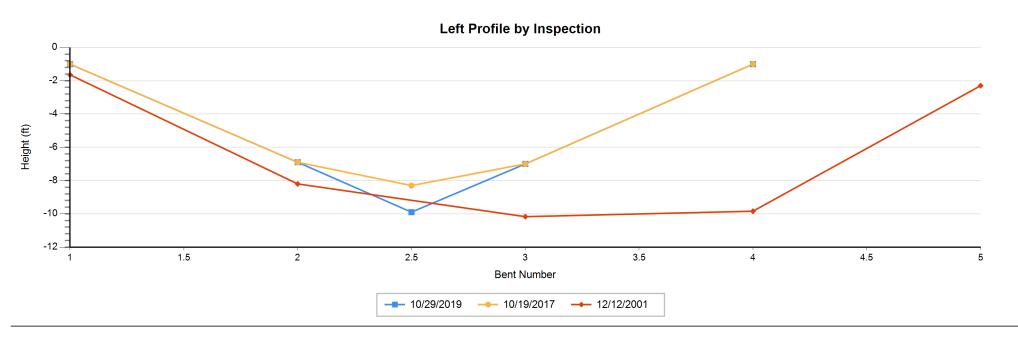
Schedule Notes

REPORT ID: INSP005 Structure ID: 884039

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

Inspection/CIDR/Bridge Profile Report Bridge Profile

DATE PRINTED: 12/12/2019 4:02:21 PM





DATE PRINTED: 12/12/2019 4:02:21 PM

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

REPORT ID: INSP005 Structure ID: 884039

Inspection/CIDR/Bridge Profile Report Bridge Profile

| | | Profile Data - Nun | nerical Summary | | |
|---|------|--------------------|-----------------|--------------|---------------------------|
| | | Bent # | Left Height | Right Height | (All Heights are in Feet) |
| Inspection Date and Key: 10/29/2019 | MYLK | | | | |
| | | 1 | 1.00 | 1.00 | |
| | | 2 | 6.90 | 7.50 | |
| | | 2.5 | 9.90 | 9.90 | |
| | | 3 | 7.00 | 6.40 | |
| | | 4 | 1.00 | 1.50 | |
| Air Temp: 80 Profile Notes: | | | | | |
| Measurements were referenced from the top of the curb. Waterline at Bent 2.5: Left and Right = 8.9ft. | | | | | |
| Inspection Date and Key: 10/19/2017 | SZYJ | | | | |
| | | 1 | 1.00 | 1.00 | |
| | | 2 | 6.90 | 7.50 | |
| | | 2.5 | 8.30 | 8.30 | |

7.00

1.00

6.40

1.50

3

Air Temp: 86
Profile Notes:

Measurements were referenced from the top of the curb. Waterline at Bent 3: Left and Right = 8.9ft.

DATE PRINTED: 12/12/2019 4:02:21 PM

FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE MANAGEMENT SYSTEM

REPORT ID: INSP005 Structure ID: 884039

Inspection/CIDR/Bridge Profile Report **Bridge Profile**

| | | Profile Data - Nur | merical Summary | | |
|--|------|--------------------|-----------------|--------------|---------------------------|
| | | Bent # | Left Height | Right Height | (All Heights are in Feet) |
| Inspection Date and Key: 12/12/2001 | ZHER | | | | |
| | | 1 | 1.64 | 1.31 | |
| | | 2 | 8.20 | 7.87 | |
| | | 3 | 10.17 | 9.51 | |
| | | 4 | 9.84 | 9.51 | |
| | | 5 | 2.30 | 1.64 | |
| Air Temp: Profile Notes: | | | | | |
| Measurements taken from top of bridge rail | | | | | |