

Bridge Inspection Report

06372

US 270- 5 McCloed

over

STOKES CR & McCLOED DR



Inspection Date:

Inspected By:

Inspection Type(s):

TABLE OF CONTENTS

| | PAGE NUMBER |
|---------------------------|-------------|
| LOCATION MAP | 3 |
| NATIONAL BRIDGE INVENTORY | 8 |
| ELEMENTS | 10 |
| PICTURES | 11 |
| SKETCHES | 13 |

Inspector:

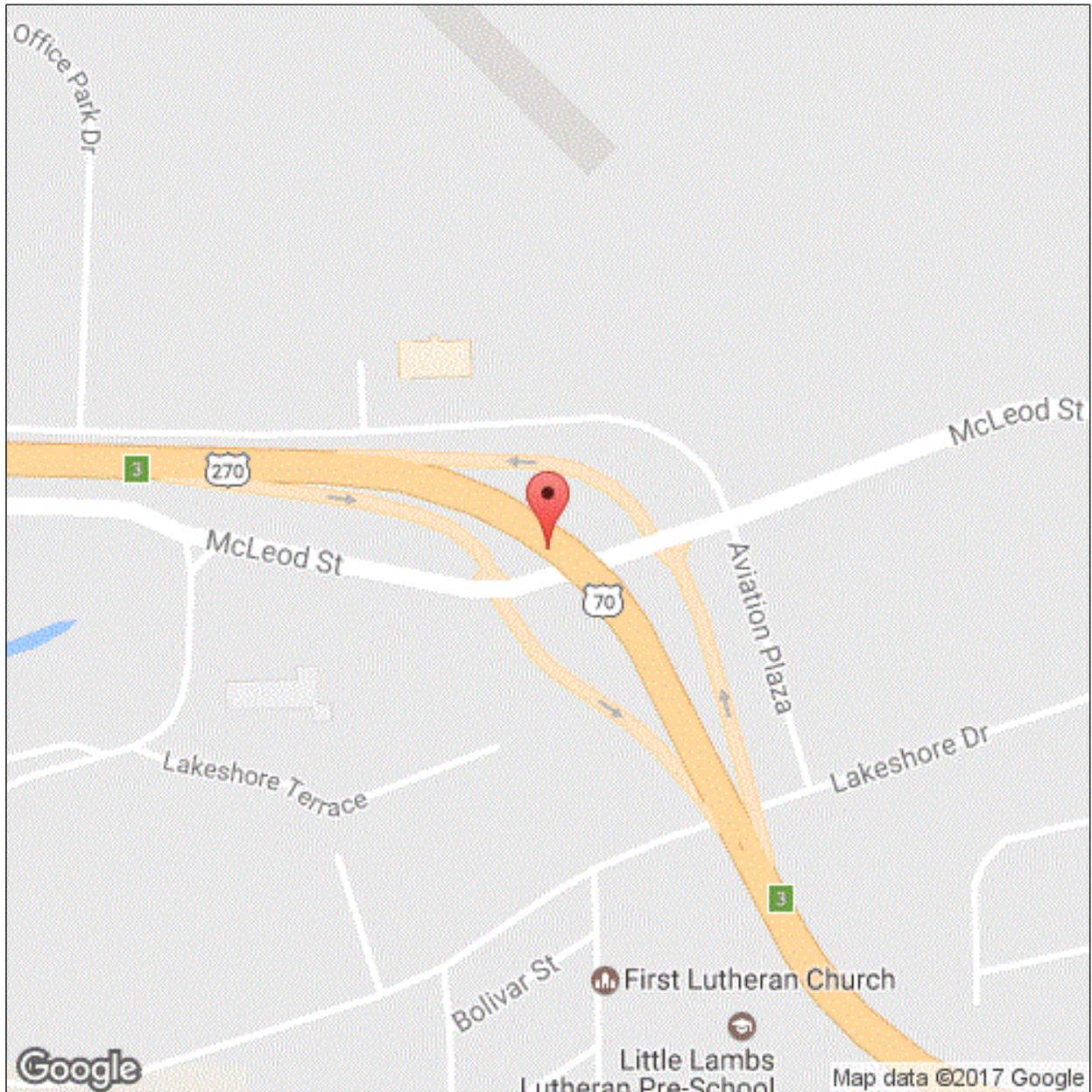
Structure Number: 06372

Inspection Date:

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

Location Map



Latitude: 34.470407253585165

Longitude: -93.08985358895495

Inspector:

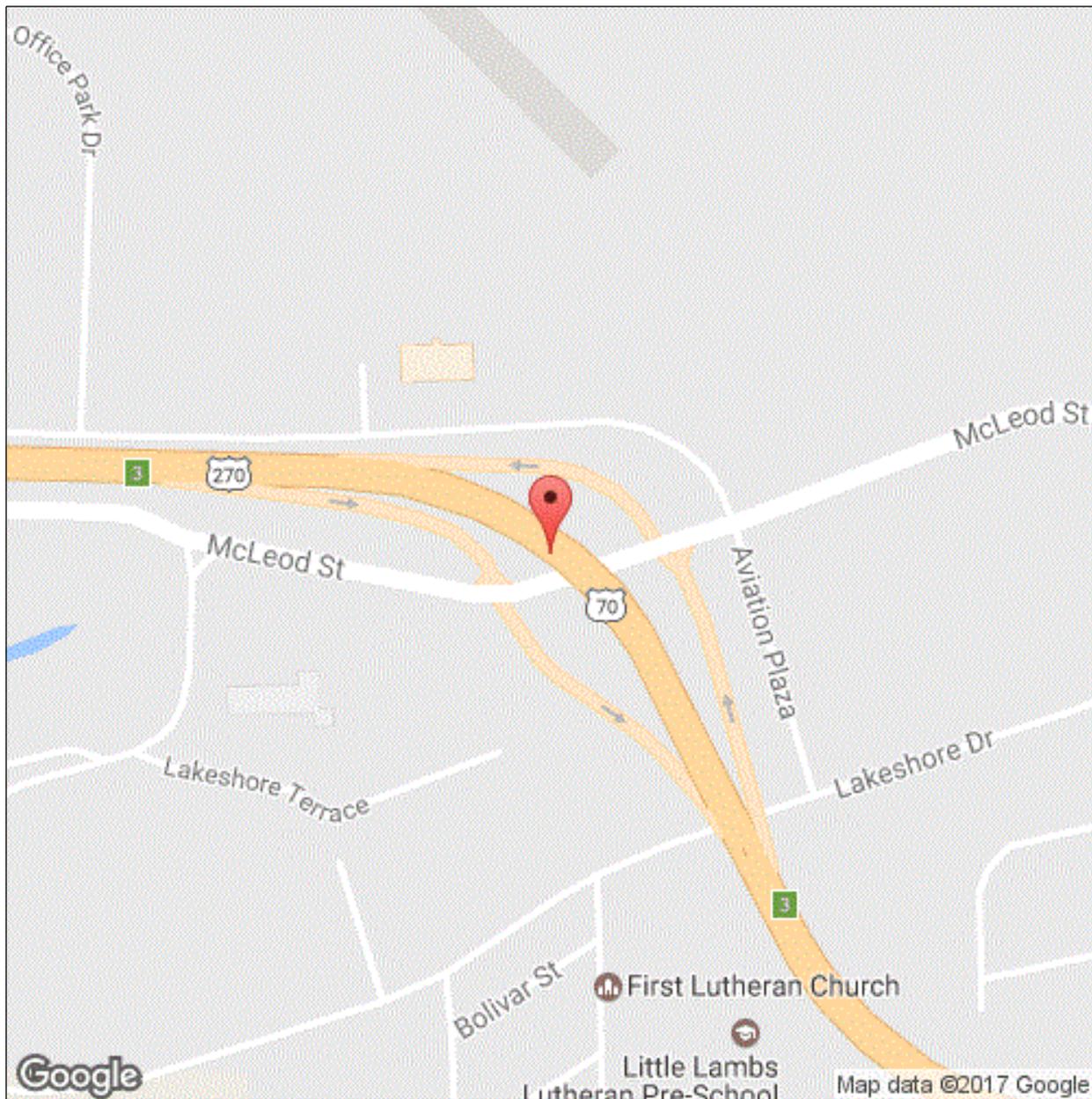
Structure Number: 06372

Inspection Date:

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

Location Map



Latitude: 34.470407253585165

Longitude: -93.08985358895495

Inspector:

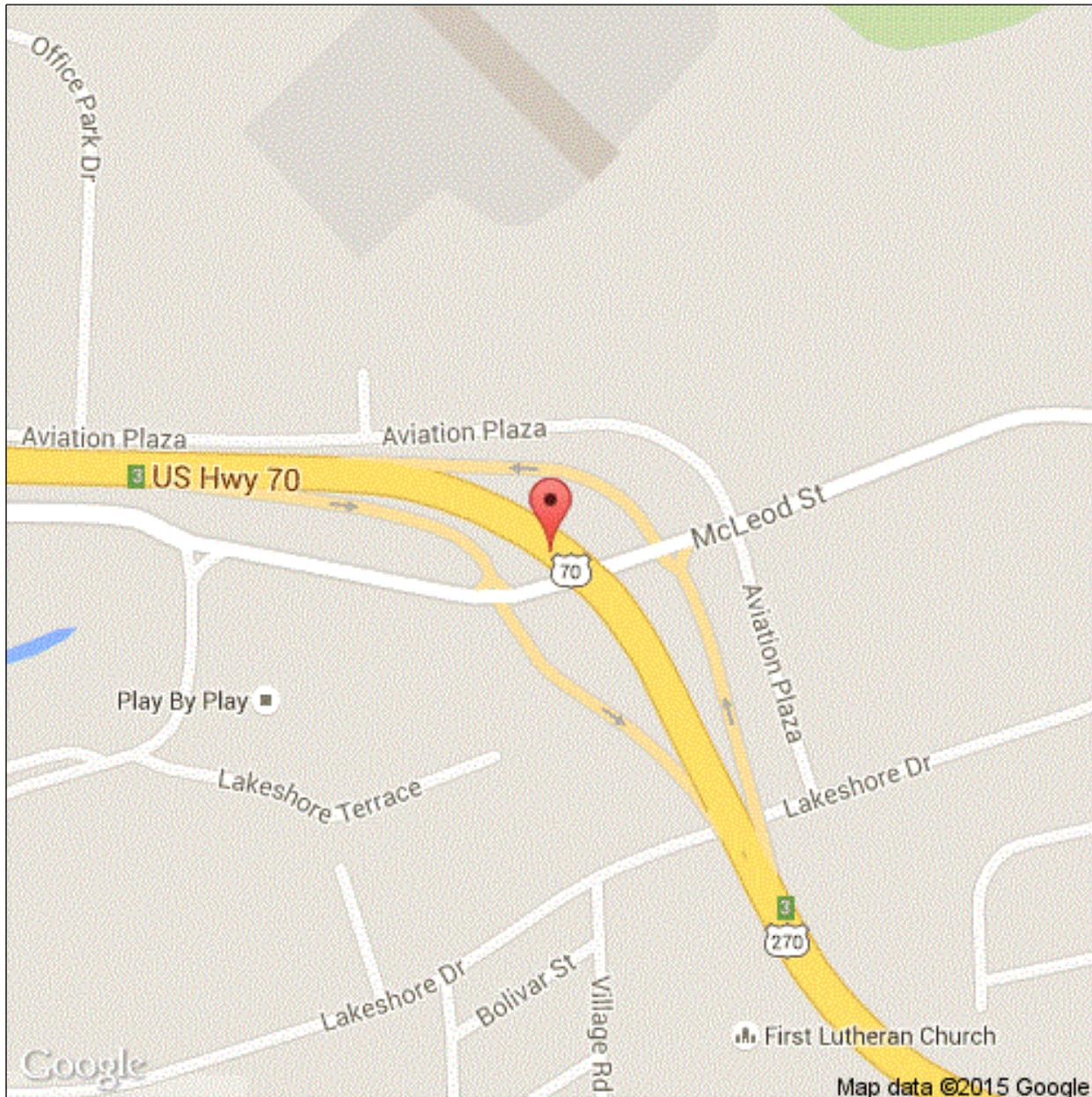
Structure Number: 06372

Inspection Date:

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

Location Map



Latitude: 34.470407253585165

Longitude: -93.08985358895495

Inspector:

Structure Number: 06372

Inspection Date:

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

Executive Summary

Approach looking East Job#60103 drwg#31550

Inspector:

Structure Number: 06372

Inspection Date:

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

National Bridge Inventory

| IDENTIFICATION | | INSPECTIONS | |
|---|--------------------------------------|---|-----------------------|
| (1) STATE CODE | 056 - Arkansas | (90) INSPECTION DATE | 05/22/2017 |
| (8) STRUCTURE NUMBER | 06372 | (91) DESIGNATED INSPECTION FREQUENCY | 24 |
| (5) INV. ROUTE (ON/UNDER) | 1 2 1 270 0 | (92) CRITICAL FEATURE INSPECTION | (93) CFI DATE |
| (2) HIGHWAY AGENCY | 06 (3) COUNTY CODE 051 | A. FRACTURE CRITICAL DETAIL | N |
| (4) PLACE CODE | 32540 | B. UNDERWATER INSPECTION | N |
| (6) FEATURES INTERSECTED | STOKES CR & McCLOED DR | C. OTHER SPECIAL | N |
| (7) FACILITY CARRIED | US 270- 5 McCloed | CONDITION | |
| (9) LOCATION | .25 MI E Lakeshore Dr. | (58) DECK | 7 |
| (11) MILEPOINT 21.020 | (12) BASE HIGHWAY NETWORK 1 | (59) SUPERSTRUCTURE | 8 (60) SUBSTRUCTURE 8 |
| (13A) LRS INVENTORY ROUTE | 0000270050 (13B) SUBROUTE NUMBER 00 | (61) CHANNEL & CHANNEL PROTECTION | 8 (62) CULVERT N |
| (16) LATITUDE 34.47040725358516 | (17) LONGITUDE -93.08985358895495 | LOAD RATING AND POSTING | |
| (98A) BORDER BRIDGE CODE | | (31) DESIGN LOAD | 5 |
| PERCENT RESPONSIBILITY | (99) BORDER BRIDGE STRUCT | (63) METHOD USED TO DETERMINE OPERATING RATING | 1 |
| STRUCTURE TYPE AND MATERIAL | | (64) OPERATING RATING | 60.0 |
| (43) STRUCTURE TYPE, MAIN | | (65) METHOD USED TO DETERMINE INVENTORY RATING | 1 |
| A) KIND OF MATERIAL/DESIGN: | 3 - Steel | (66) INVENTORY RATING | 36.0 |
| B) TYPE OF DESIGN/CONSTR: | 02 - Stringer/Multi-beam or Girder | (70) BRIDGE POSTING | 5 |
| (44) STRUCTURE TYPE, APPROACH SPANS | | (41) STRUCTURE OPEN/POSTED/CLOSED | A |
| A) KIND OF MATERIAL/DESIGN: | 0 - Other | APPRAISAL | |
| B) TYPE OF DESIGN/CONSTR: | 00 - Other | (67) STRUCTURAL EVALUATION | 8 |
| (45) NUMBER OF SPANS IN MAIN | 5 (46) NUMBER OF APPROACH | (68) DECK GEOMETRY | 9 |
| (107) DECK STRUCTURE TYPE | 1 (108A) WEARING SURFACE | (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL | 7 |
| (108B) DECK MEMBRANE | 0 (108C) DECK PROTECTION | (71) WATERWAY ADEQUACY | 8 |
| AGE OF SERVICE | | (72) APPROACH ROADWAY ALIGNMENT | 8 |
| (27) YEAR BUILT | 1992 (106) YEAR RECONSTRUCTED | (36) TRAFFIC SAFETY FEATURE | |
| (42) TYPE OF SERVICE | ON 1 UNDER 6 | 36A) BRIDGE RAILINGS: | 1 |
| (28) LANES | ON 04 UNDER 03 | 36B) TRANSITIONS: | 0 |
| (29) AVERAGE DAILY TRAFFIC | 42000 (19) BYPASS DETOUR LENGTH | 36C) APPROACH GUARDRAIL: | 0 |
| (30) YEAR OF AVERAGE DAILY TRAFFIC | 2014 | 36D) APPROACH GUARDRAIL ENDS: | 0 |
| (109) AVERAGE DAILY TRUCK TRAFFIC | 1 | (113) SCOUR CRITICAL BRIDGES | 8 |
| GEOMETRIC DATA | | SUFFICIENCY RATING | 94.1 STATUS 0 |
| (48) LENGTH OF MAX SPAN (ft.) | 96 (49) STRUCTURE LENGTH (ft.) | 367 | |
| (50) CURB/SIDEWALK WIDTHS (ft.) | LEFT 0 RIGHT 0 | CLASSIFICATION | |
| (51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) | 80.1 | (112) NBIS BRIDGE LENGTH | Y |
| (52) DECK WIDTH, OUT-TO-OUT (ft.) | 84.8 | (104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE | 1 |
| (32) APPROACH ROADWAY WIDTH (ft.) | 80.1 | (26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE | 14 |
| (33) BRIDGE MEDIAN | 3 (34) SKEW (DEG.) | (100) STRAHNET HIGHWAY DESIGNATION | 0 |
| (35) STRUCTURE FLARED | 0 (10) INV RTE, MIN VERT CLEAR (ft.) | (101) PARALLEL STRUCTURE DESIGNATION | N |
| (47) TOTAL HORIZONTAL CLEARANCE (ft.) | 41.0 | (102) DIRECTION OF TRAFFIC | 2 |
| (53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) | 99.99 | (103) TEMP STRUCTURE | |
| (54) VERTICAL UNDER CLEARANCE (ft.) | H 15.65 | (105) FEDERAL LANDS HIGHWAYS | 0 |
| (55) LATERAL UNDER CLEARANCE RIGHT (ft.) | H 21.8 | (110) DESIGNATED NATIONAL NETWORK | 1 |
| (56) MIN LATERAL UNDER CLEARANCE (ft.) | 20.8 | (20) TOLL | 3 |
| PROPOSED IMPROVEMENTS | | (21) MAINTENANCE RESPONSIBILITY | 01 |
| (75A) TYPE OF WORK PROPOSED | (75B) WORK DONE BY | (37) HISTORICAL | 5 |
| (76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) | 0 | NAVIGATION DATA | |
| (94) BRIDGE IMPROVEMENT COST (\$) | 0 | (38) NAVIGATION CONTROL | 0 |
| (95) ROADWAY IMPROVEMENT COST (\$) | 0 | (111) PIER OR ABUTMENT PROTECTION | 1 |
| (96) TOTAL PROJECT COST | 0 | (39) NAV VERT CLEARANCE (ft.) | 0 |
| (97) YEAR OF IMPROVEMENT COST ESTIMATE | | (116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.) | 0 |

Inspector:

Structure Number: 06372

Inspection Date:

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

National Bridge Inventory

(114) FUTURE ADT 27603

(115) YEAR OF FUTURE ADT 2028

(40) NAV HORIZONTAL CLEARANCE (ft.) 0

Inspector:

Structure Number: 06372

Inspection Date:

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

Element Inspection

| | Environment | Total Quantity | Units | Condition State 1 | Condition State 2 | Condition State 3 | Condition State 4 |
|--|-------------|----------------|---------|-------------------|-------------------|-------------------|-------------------|
| 12 - Reinforced Concrete Deck | 1- Ben. | 30963 | sq. ft. | 27125 | 3838 | 0 | 0 |
| 1080 - Delamination/Spall/Patched Area | | 3 | | 0 | 3 | 0 | 0 |
| 1130 - Cracking (RC and Other) | | 3835 | | 0 | 3835 | 0 | 0 |
| 107 - Steel Open Girder/Beam | 1- Ben. | 4015 | ft. | 4015 | 0 | 0 | 0 |
| 515 - Steel Protective Coating | | 34796 | sq. ft. | 0 | 34796 | 0 | 0 |
| 3410 - Chalking (Steel Protective Coatings) | | 34790 | | 0 | 34790 | 0 | 0 |
| 3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings) | | 6 | | 0 | 6 | 0 | 0 |
| 205 - Reinforced Concrete Column | 1- Ben. | 16 | each | 16 | 0 | 0 | 0 |
| 215 - Reinforced Concrete Abutment | 1- Ben. | 210 | ft. | 188 | 22 | 0 | 0 |
| Cracks in both abutments | | | | | | | |
| 1130 - Cracking (RC and Other) | | 22 | | 0 | 22 | 0 | 0 |
| 234 - Reinforced Concrete Pier Cap | 1- Ben. | 339 | ft. | 339 | 0 | 0 | 0 |
| 302 - Compression Joint Seal | 1- Ben. | 534 | ft. | 0 | 534 | 0 | 0 |
| All joint seals are leaking. | | | | | | | |
| 2310 - Leakage | | 534 | | 0 | 534 | 0 | 0 |
| 310 - Elastomeric Bearing | 1- Ben. | 110 | each | 110 | 0 | 0 | 0 |
| 331 - Reinforced Concrete Bridge Railing | 1- Ben. | 1095 | ft. | 1007 | 88 | 0 | 0 |
| 1130 - Cracking (RC and Other) | | 88 | | 0 | 88 | 0 | 0 |

Inspector:

Inspection Date:

Structure Number: 06372

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 1

Description

Inspector:

Structure Number: 06372

Inspection Date:

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

Pictures

PHOTO 2

Description

Inspector:

Inspection Date:

Structure Number: 06372

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

Sketches

Inspector:

Structure Number: 06372

Inspection Date:

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

Maintenance Needs

Date Reported: 06/02/2015

Priority: D - Routine

Work Code:

Deficiency Description:

Deck east and westbound has minor spalls.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 06372

Inspection Date:

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

Maintenance Needs

Date Reported: 06/02/2015

Priority: D - Routine

Work Code:

Deficiency Description:

Right bridge rail going east has a large spall with rebar exposed.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Spall in concrete railing.

Inspector:

Structure Number: 06372

Inspection Date:

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

Maintenance Needs

Date Reported: 06/02/2015

Priority: C - Important

Work Code:

Deficiency Description:

Deck has large unsealed cracks.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Deck has unsealed cracks.

Stage: Monitor



PHOTO 2 Description Span 1 large unsealed crack. Common all spans.

Inspector:

Structure Number: 06372

Inspection Date:

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/22/2017

Priority: C - Important

Work Code:

Deficiency Description:

All joints have lost bond and are leaking.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Bent 3 joint seal has lost bond and leaking. Common all bents.