

Bridge Inspection Report

M4068
SH 130-06 LM 24.96
over
Prices Branch



Inspection Date:

Inspected By:

Inspection Type(s):

TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	5
ELEMENTS	6
PICTURES	8
SKETCHES	9

Inspector:

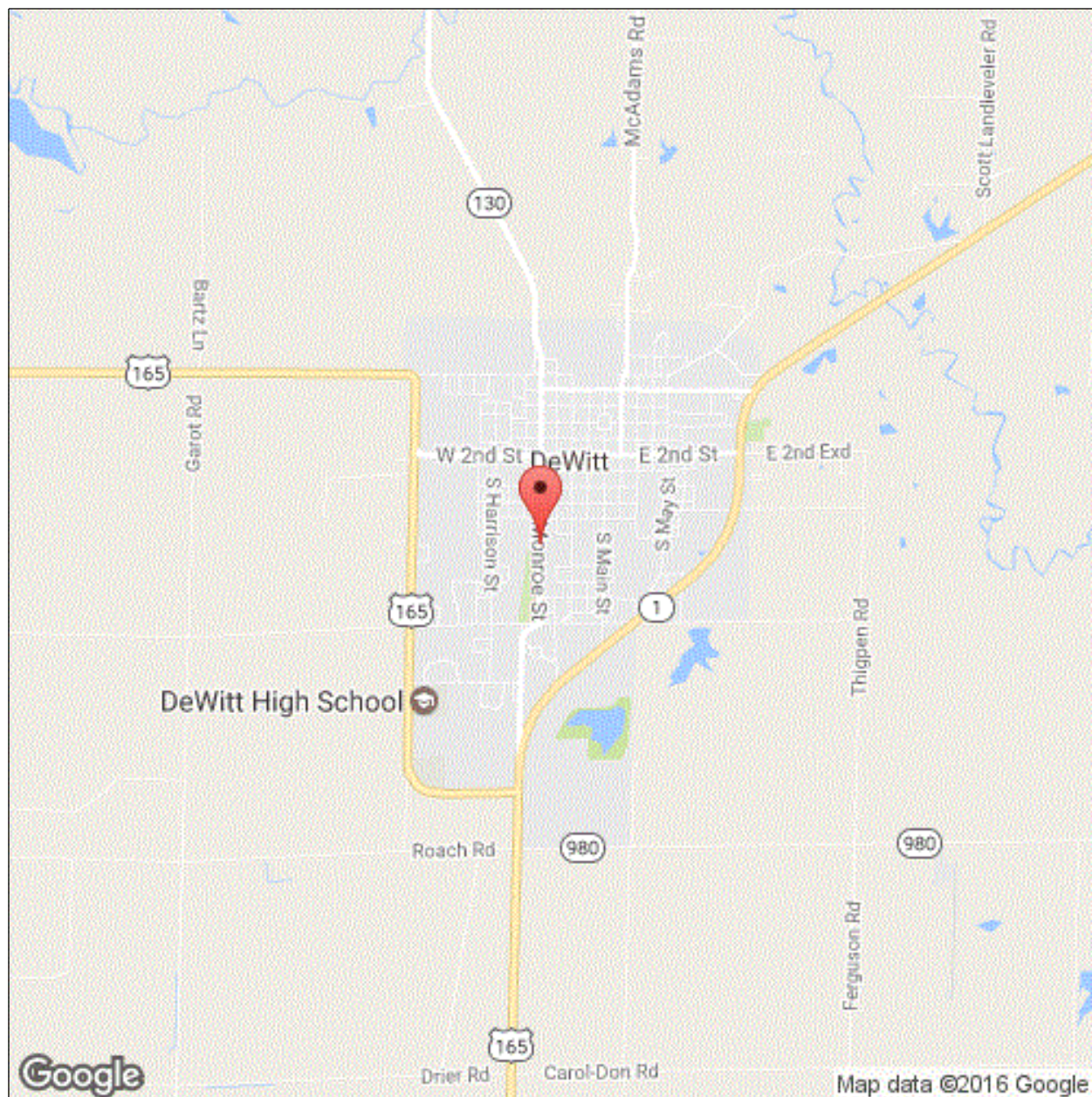
Structure Number: M4068

Inspection Date:

Facility Carried: SH 130-06 LM 24.96

Bridge Inspection Report

Location Map



Latitude: 34.28736363350806

Longitude: -91.34017166137698

Inspector:

Inspection Date:

Structure Number: M4068

Facility Carried: SH 130-06 LM 24.96

Bridge Inspection Report

Executive Summary

Bridge is logged from north to south.

Inspector:

Structure Number: M4068

Inspection Date:

Facility Carried: SH 130-06 LM 24.96

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	04/01/2019
(8) STRUCTURE NUMBER	M4068	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 130 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	02 (3) COUNTY CODE 001	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	18420	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Prices Branch	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 130-06 LM 24.96		
(9) LOCATION	0.35 Mi N SH 1B-DeWitt		
(11) MILEPOINT 24.960	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.28736363350806	(17) LONGITUDE -91.34017166137698		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	7
A) KIND OF MATERIAL/DESIGN:	7 - Wood or Timber	(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(61) CHANNEL & CHANNEL PROTECTION	7 (62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN:	0 - Other		
B) TYPE OF DESIGN/CONSTR:	00 - Other		
(45) NUMBER OF SPANS IN MAIN	3 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1967 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	0
(42) TYPE OF SERVICE	ON 1 UNDER 5	(63) METHOD USED TO DETERMINE OPERATING RATING	2
(28) LANES	ON 02 UNDER 00	(64) OPERATING RATING	35
(29) AVERAGE DAILY TRAFFIC	1600 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	2
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	25
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	15 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.8 RIGHT 0.8	(68) DECK GEOMETRY	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	29.9	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	32	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	24.0	(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	36A) BRIDGE RAILINGS:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	30.8	36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	84.2 STATUS 0
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT	1825 (115) YEAR OF FUTURE ADT	(103) TEMP STRUCTURE	
	2028	(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	0
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(22) OWNER	01
		(37) HISTORICAL	5
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	0
		(111) PIER OR ABUTMENT PROTECTION	5
		(39) NAV VERT CLEARANCE (ft.)	0
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
		(40) NAV HORIZONTAL CLEARANCE (ft.)	0

Inspector:

Structure Number: M4068

Inspection Date:

Facility Carried: SH 130-06 LM 24.96

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.	1472	sq. ft.	1448	0	24	0
Deck: 32' wide x 46' long. Wearing surface: 20' wide x 46' long. Wearing surface: Some minor-sized map cracking on left outside with scattered cracking in other areas. Deck - Span 1: Minor scaling near the gutter line, especially left side close to Bent 2 (24 sqft CS3 spall).							
1080 - Delamination/Spall/Patched Area		24		0	0	24	0
510 - Wearing Surfaces		920	sq. ft.	850	70	0	0
3220 - Crack (Wearing Surface)		70		0	70	0	0
111 - Timber Open Girder/Beam	1- Ben.	966	ft.	956	10	0	0
Girders: 21 per span / 46' total span. Spans 1 & 3 @ abutments: Some very light decay forming to girder ends. Span 2 midspan: Girders have staining and discoloring from stormwater leakage through construction joint - no notable decay.							
1140 - Decay/Section Loss		10		0	10	0	0
216 - Timber Abutment	1- Ben.	82	ft.	24	0	58	0
Backwalls: 41' each / Bents 1 & 4. Bent 1: Heavy decay exposing much of the concrete/soil cement. - 36' CS3 decay. Bent 4: Scattered decay, mainly at joints and ends (some areas are completely decayed) - 22' CS3 decay.							
1140 - Decay/Section Loss		58		0	0	58	0
228 - Timber Pile	1- Ben.	24	each	0	24	0	0
Piling: 6 per bent / Bents 1-4. Bent 2 Piles 2, 3, & 4: Tops of piles slightly out from under cap on back side. Bent 3 Piles 3 & 4: Tops of piles slightly out from under cap on back side. Bent 2 Pile 6 and Bent 3 Pile 6: Top of pile out from under cap up to 4" - CS2 connection x 2. All pile have scattered light checking - CS2 checking x 22.							
1020 - Connection		2		0	2	0	0
1150 - Check/Shake		22		0	22	0	0
235 - Timber Pier Cap	1- Ben.	136	ft.	117	4	12	3
Caps: 34' each / Bents 1-4. Bent 1 sub-cap (lower timber) over Piles 1 & 2 and Bent 4 sub-cap (lower timber) over Piles 5 & 6: Some decay (minor rot) to timber ends - up to 1' (4' CS2 decay). Bent 2 left: Large-sized check on bottom face (12' CS3 check). Bent 3 left: 3' of end of cap is rotten - no bearing for outer girder (3' CS4 decay).							
1140 - Decay/Section Loss		7		0	4	0	3

Inspector:

Structure Number: M4068

Inspection Date:

Facility Carried: SH 130-06 LM 24.96

Bridge Inspection Report

Element Inspection

1150 - Check/Shake		12		0	0	12	0
330 - Metal Bridge Railing	1- Ben.	92	ft.	92	0	0	0
		Railing: 46' each side. Coating: 2.5 square feet per linear feet of railing. Metal railing with timber posts. Rail is dull and has no luster.					
515 - Steel Protective Coating		230	sq. ft.	0	230	0	0
3410 - Chalking (Steel Protective Coatings)		230		0	230	0	0

Inspector:

Inspection Date:

Structure Number: M4068

Facility Carried: SH 130-06 LM 24.96

Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 2

Description

Inspector:

Inspection Date:

Structure Number: M4068

Facility Carried: SH 130-06 LM 24.96

Bridge Inspection Report

Sketches