



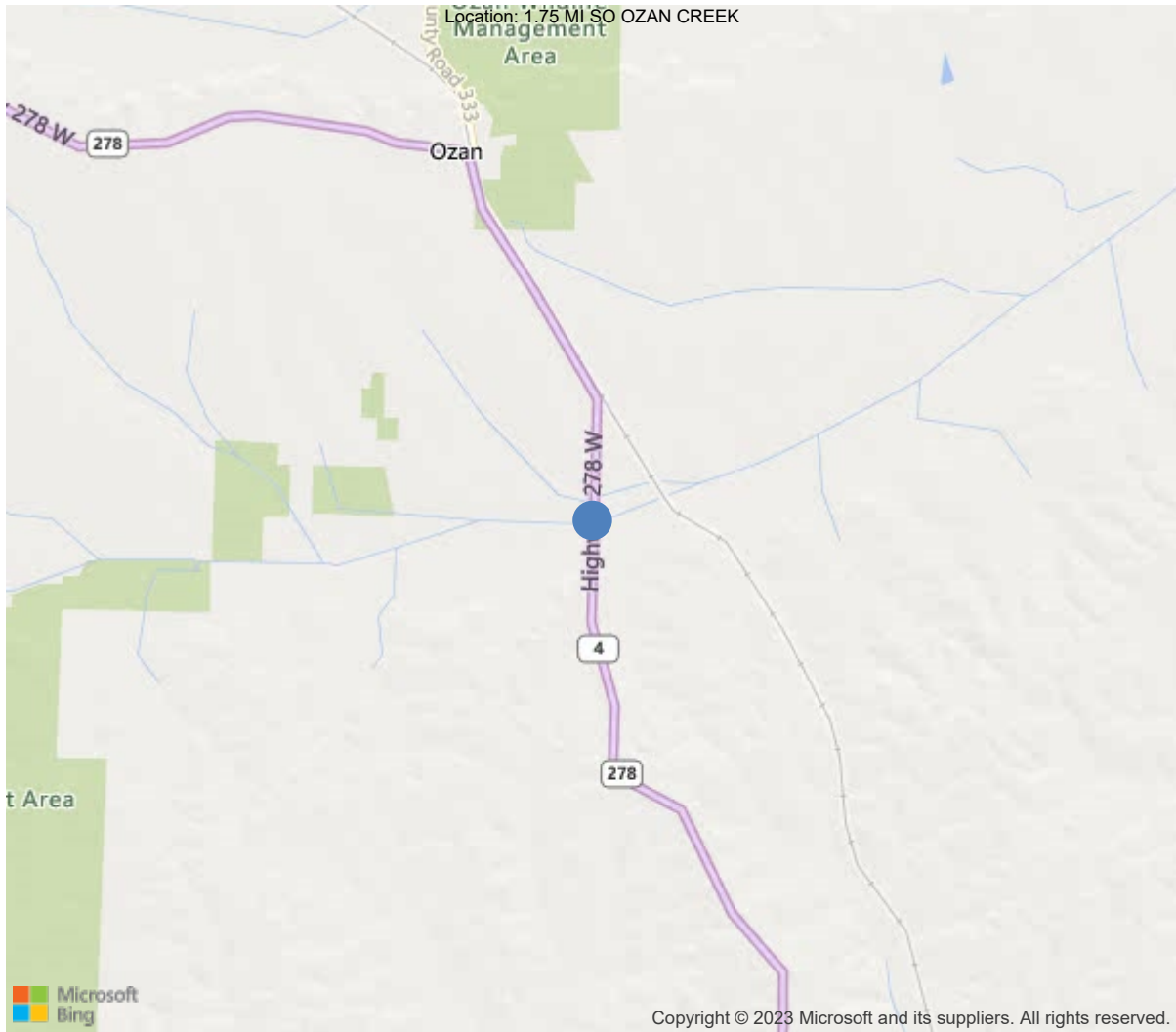
Latitude:33.82106, Longitude:-93.70800

Route:278 Section:05 Log:11.89

Arnold Road ID:29x278x5xA, Arnold Log mile:11.884

District 03, 57 - Hempstead County

Owner: 1 - State Highway Agency



33.82106, -93.70800



Asset #06332(Routine, Underwater type 2)

US 278-5-11.89 over SO FK OZAN CREEK

Location: 1.75 MI SO OZAN CREEK

Team Lead: Charlie Rogers, Inspection Date: 01/11/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06332
(5) Inventory Route	1
(2) Highway Agency District	03 - District 03
(3) County Code	57 - Hempstead County
(4) Place Code	0
(6) Features Intersected	SO FK OZAN CREEK
(7) Facility Carried	US 278-5-11.89
(9) Location	1.75 MI SO OZAN CREEK
(11) Mile Point	11.89 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000278050
(16) Latitude	33.821056
(17) Longitude	-93.708
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4 - Steel continuous
Type	2 - Stringer/Multi-beam or girder
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	3
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1 - Monolithic Concrete (concurrently pl
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1992
(106) Year Reconstructed	0
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	2600
(30) Year of ADT	2014
(109) Truck ADT	22 %
(19) Bypass, Detour Length	30 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	60 ft
(49) Structure Length	152 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	32.2 ft
(52) Deck Width Out to Out	34.8 ft
(32) Approach Roadway Width (W/Shoulders)	32.2 ft
(33) Bridge Median	0 - No median
(34) Skew	0 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	32.5 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99.9 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	0 - No navigation control on w
(111) Pier Protection	1 - Navigation protection not
(39) Navigation Vertical Clearance	0 ft
(116) Vert-Lift Bridge Nav Min Vert Clear	0 ft
(40) Navigation Horizontal Clearance	0 ft

CLASSIFICATION	
(112) NBIS Bridge Length	Y
(104) Highway System	0
(26) Functional Class	6 - Rural Minor Arterial
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exists
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	0 - The inventory route is not
(20) Toll	3 - On free road. The structure
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	8
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5 - MS 18 / HS 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	60
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	36
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	7
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	7
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	1 - Inspected feature meets current
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	5 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	0 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 0
(97) Year of Improvement Cost Estimate	0
(114) Future ADT	2995
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	01/11/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
* The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted.			



Asset #06332(Routine, Underwater type 2)

District: 03, County: 57 - Hempstead County

Team Lead: Charlie Rogers, Inspection Date: 01/11/2022

General Observation

01/09/2018...AL, SS, DECK PHOTOS TAKEN. LITTLE OR NO CHANGE IN CONDITION...01/08/2020 AL,SS,OTHER PHOTOS TAKEN.....1-12-22 AL,SS,Deck and under photos taken per this inspection also soundings taken

58 - Deck (7 - GOOD CONDITION - some minor problems.)

JOB # R-30037 DRAWING # 3040401/08/2020 efflorescence on bottom of deck.

60 - Substructure (8 - VERY GOOD CONDITION - no problems noted.)

01/09/2018...STEEL PILES ,CONCRETE ENCASEMENT SEE PLANS, CONCRETE CODED UNDER STEEL PROTECTIVE COATING IN ELEMENTS...

A-46 - Asset Files

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Location: 1.75 MI SO OZAN CREEK

Team Lead: Charlie Rogers, Inspection Date: 01/11/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	5289	4189	1100	0	0
1120	Efflorescence/Rust Staining	SF	900	0	900	0	0
1130	Cracking (RC and Other)	SF	200	0	200	0	0
(12) 1120--EFFLORESCENCE ON BOTTOM OF DECK SOME IN ALL SPANS. 1130--DECK CRACK IN ALL SPANS NOT SEALABLE AT THIS TIME VERY SMALL CRACKS.							
107	Steel Open Girder/Beam	LF	750	750	0	0	0
515	Steel Protective Coating	SF	5707	5707	0	0	0
(107) WEATHERING STEEL BEAMS							
215	Reinforced Concrete Abutment	LF	108	108	0	0	0
225	Steel Pile	EA	10	10	0	0	0
515	Steel Protective Coating	SF	554	554	0	0	0
(225) STEEL H-PILE ENCASED IN CONCRETE							
234	Reinforced Concrete Pier Cap	LF	136	136	0	0	0
300	Strip Seal Expansion Joint	LF	68	35	33	0	0
2320	Seal Adhesion	LF	33	0	33	0	0
(300) 10LF OF JOINT ADHESION FAILING AT BEGINNING OF BRIDGE 23 LF OF JOINT ADHESION FAILING AT END OF BRIDGE							
310	Elastomeric Bearing	EA	20	20	0	0	0
331	Reinforced Concrete Bridge Railing	LF	304	304	0	0	0



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Deck

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Comment: JOB # R-30037 DRAWING # 3040401/08/2020 efflorescence on bottom of deck.

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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	108	108	0	0	0
225	Steel Pile	EA	10	10	0	0	0
515	Steel Protective Coating	SF	554	554	0	0	0
(225) STEEL H-PILE ENCASED IN CONCRETE							
234	Reinforced Concrete Pier Cap	LF	136	136	0	0	0

60 - Substructure (8 - VERY GOOD CONDITION - no problems noted.)

Comment: 01/09/2018...STEEL PILES ,CONCRETE ENCASEMENT SEE PLANS, CONCRETE CODED UNDER STEEL PROTECTIVE COATING IN ELEMENTS...



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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Ss



Al



Under photo



Deck



Top of deck



Bottom of deck



Weathering steel beams



Alignment



Elevation



Bottom of deck typical all spans



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Maintenance Needs



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Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	
A-55 - Deck Washing Needed	
A-56 - Joint Cleaning/Flushing Needed	
A-57 - Beam End and Bearing Paint Needed	
A-58 - Cap Cleaning/Flushing Needed	
A-59 - Joint Repair Needed	
A-60 - Full Beam Painting Needed	
A-61 - Polymer Overlay Advised	
A-62 - Hydro and LMC Advised	



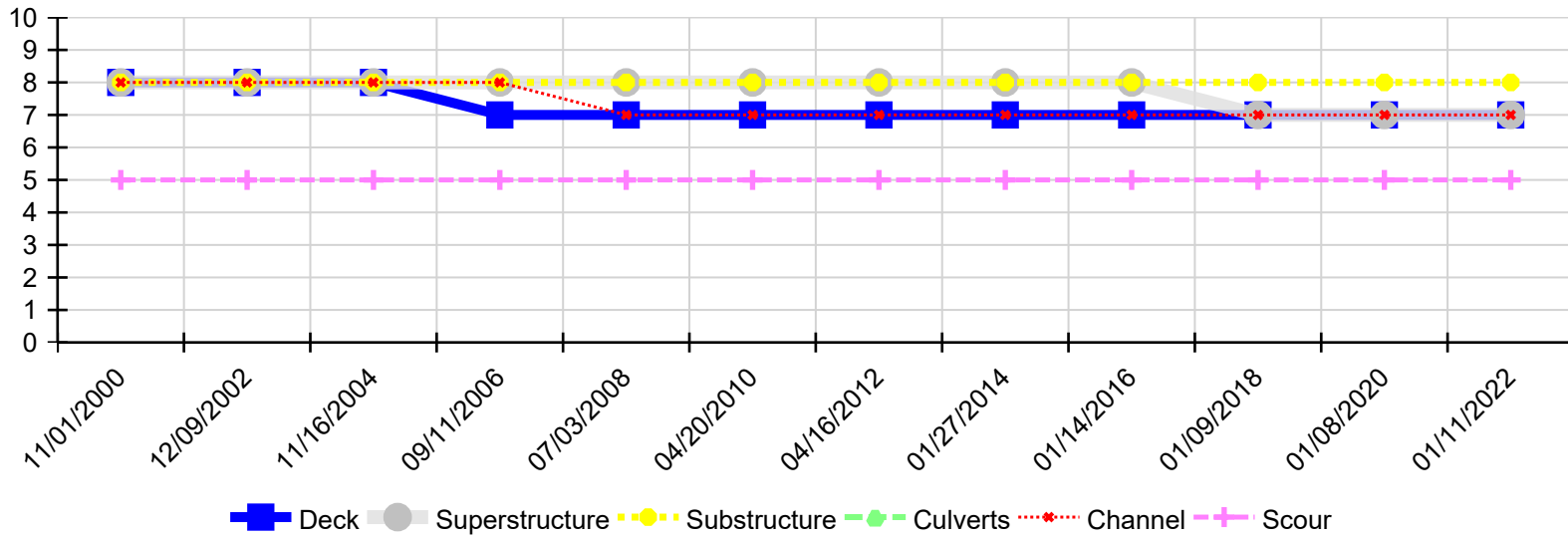
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
01/11/2022	7	7	8	N	7	5
01/08/2020	7	7	8	N	7	5
01/09/2018	7	7	8	N	7	5
01/14/2016	7	8	8	N	7	5
01/27/2014	7	8	8	N	7	5
04/16/2012	7	8	8	N	7	5
04/20/2010	7	8	8	N	7	5
07/03/2008	7	8	8	N	7	5
09/11/2006	7	8	8	N	8	5
11/16/2004	8	8	8	N	8	5
12/09/2002	8	8	8	N	8	5
11/01/2000	8	8	8	N	8	5