



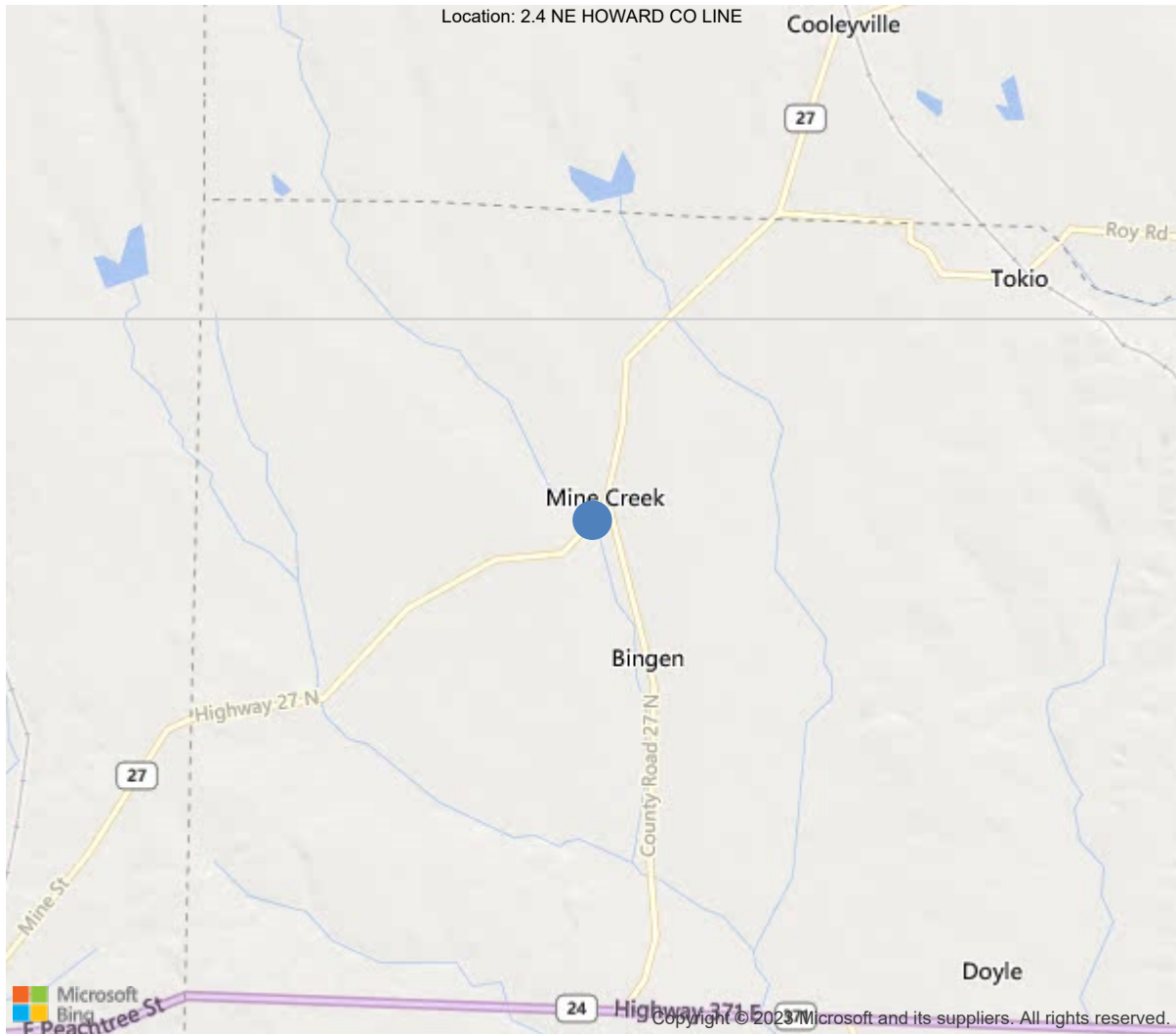
Latitude:33.98534, Longitude:-93.78900

Route:27 Section:03 Log:2.4

Arnold Road ID:29x27x3xA, Arnold Log mile:2.362

District 03, 57 - Hempstead County

Owner: 1 - State Highway Agency



33.98534, -93.78900



Asset #06419(Routine, Underwater type 2)
SH 27- 03- 2.40 over N. FORK OZAN CREEK
Location: 2.4 NE HOWARD CO LINE

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

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06419
(5) Inventory Route	1
(2) Highway Agency District	03 - District 03
(3) County Code	57 - Hempstead County
(4) Place Code	0
(6) Features Intersected	N. FORK OZAN CREEK
(7) Facility Carried	SH 27- 03- 2.40
(9) Location	2.4 NE HOWARD CO LINE
(11) Mile Point	2.4 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000027030
(16) Latitude	33.98534
(17) Longitude	-93.789001
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	14
Material	1 - Concrete
Type	4 - Tee beam
(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	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	1993
(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	3600
(30) Year of ADT	2014
(109) Truck ADT	12 %
(19) Bypass, Detour Length	25 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	25 ft
(49) Structure Length	75 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	42.8 ft
(32) Approach Roadway Width (W/Shoulders)	40 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	40.4 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	7
(61) Channel & Channel Protection	8
(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	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(72) Approach Roadway Alignment	6
(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	4367
(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 #06419(Routine, Underwater type 2)

District: 03, County: 57 - Hempstead County

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

General Observation

-01/05/2017...AL, SS, PHOTOS TAKEN. LITTLE OR NO CHANGE IN CONDITION...Wearing Surface: CONCRETE DECK HAS COATED BARS BRIDGE JOB # R-30014 DRAWING # 32158...01/06/2020 AL,SS,OTHER PHOTOS TAKEN....1/11/2022/ AL,SS,DEF.AND SOUNDINGS TAKEN

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

Wearing Surface: CONCRETE DECK HAS COATED BARS BRIDGE JOB # R-30014 DRAWING # 32158

59 - Superstructure (7 - GOOD CONDITION - some minor problems.)

Girders/Beams: CONCRETE TEE BEAMS

60 - Substructure (7 - GOOD CONDITION - some minor problems.)

Pier Cap: CONCRETE CAPS

Piles: PAINTED H-PILES

A-46 - Asset Files

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Asset #06419(Routine, Underwater type 2)

SH 27- 03- 2.40 over N. FORK OZAN CREEK

Location: 2.4 NE HOWARD CO LINE

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

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	3210	3030	180	0	0
1120	Efflorescence/Rust Staining	SF	120	0	120	0	0
1130	Cracking (RC and Other)	SF	60	0	60	0	0
(12) CONCRETE DECK WITH COATED REBAR 60 LF OF EFFLORESCENCE SPAN 1 10 LF OF EFFLORESCENCE SPAN 2 50 LF OF EFFLORESCENCE SPAN 3 SEALED DECK CRACKS ON TOP OF DECK							
110	Reinforced Concrete Open Girder/Beam	LF	375	375	0	0	0
215	Reinforced Concrete Abutment	LF	126	122	0	4	0
1080	Delamination/Spall/Patched Area	LF	4	0	0	4	0
225	Steel Pile	EA	15	15	0	0	0
515	Steel Protective Coating	SF	466	0	466	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	EA	466	0	466	0	0
234	Reinforced Concrete Pier Cap	LF	86	78	8	0	0
1010	Cracking	LF	4	0	4	0	0
1120	Efflorescence/Rust Staining	LF	4	0	4	0	0
301	Pourable Joint Seal	LF	80	80	0	0	0
331	Reinforced Concrete Bridge Railing	LF	150	100	50	0	0
1130	Cracking (RC and Other)	LF	50	0	50	0	0



Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	3210	3030	180	0	0
1120	Efflorescence/Rust Staining	SF	120	0	120	0	0
1130	Cracking (RC and Other)	SF	60	0	60	0	0
(12) CONCRETE DECK WITH COATED REBAR 60 LF OF EFFLORESCENCE SPAN 1 10 LF OF EFFLORESCENCE SPAN 2 50 LF OF EFFLORESCENCE SPAN 3 SEALED DECK CRACKS ON TOP OF DECK							

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

Comment: Wearing Surface: CONCRETE DECK HAS COATED BARS BRIDGE JOB # R-30014 DRAWING # 32158



Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
110	Reinforced Concrete Open Girder/Beam	LF	375	375	0	0	0

59 - Superstructure (7 - GOOD CONDITION - some minor problems.)

Comment: Girders/Beams: CONCRETE TEE BEAMS



Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	126	122	0	4	0
1080	Delamination/Spall/Patched Area	LF	4	0	0	4	0
225	Steel Pile	EA	15	15	0	0	0
515	Steel Protective Coating	SF	466	0	466	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	EA	466	0	466	0	0
234	Reinforced Concrete Pier Cap	LF	86	78	8	0	0
1010	Cracking	LF	4	0	4	0	0
1120	Efflorescence/Rust Staining	LF	4	0	4	0	0

60 - Substructure (7 - GOOD CONDITION - some minor problems.)

Comment: Pier Cap: CONCRETE CAPS

Piles: PAINTED H-PILES



Asset #06419(Routine, Underwater type 2)
SH 27- 03- 2.40 over N. FORK OZAN CREEK

Location: 2.4 NE HOWARD CO LINE

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

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Cracking in the parapet wall



Cracking in the deck



Joints



Under photo



Under photo



Ss



Al



Deck



Alignment



Side shot-elevation



Bent 1 bay 1



Photo taken of bent 2

Maintenance Needs

Date Reported: 01/07/2020

Priority: (Inactive) (Inactive) G - General/
Preventive maintenance

Status: RepairDocumented

Type of Work: (Inactive) (Inactive) 1 - Clean

Component: Channel

Deficiency Description

Beaver Dam upstream side of bridge

Remarks

Beaver dam is cleared out per this inspection



Beaver Dam upstream side of bridge



Asset #06419(Routine, Underwater type 2)

SH 27- 03- 2.40 over N. FORK OZAN CREEK

Location: 2.4 NE HOWARD CO LINE

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

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	



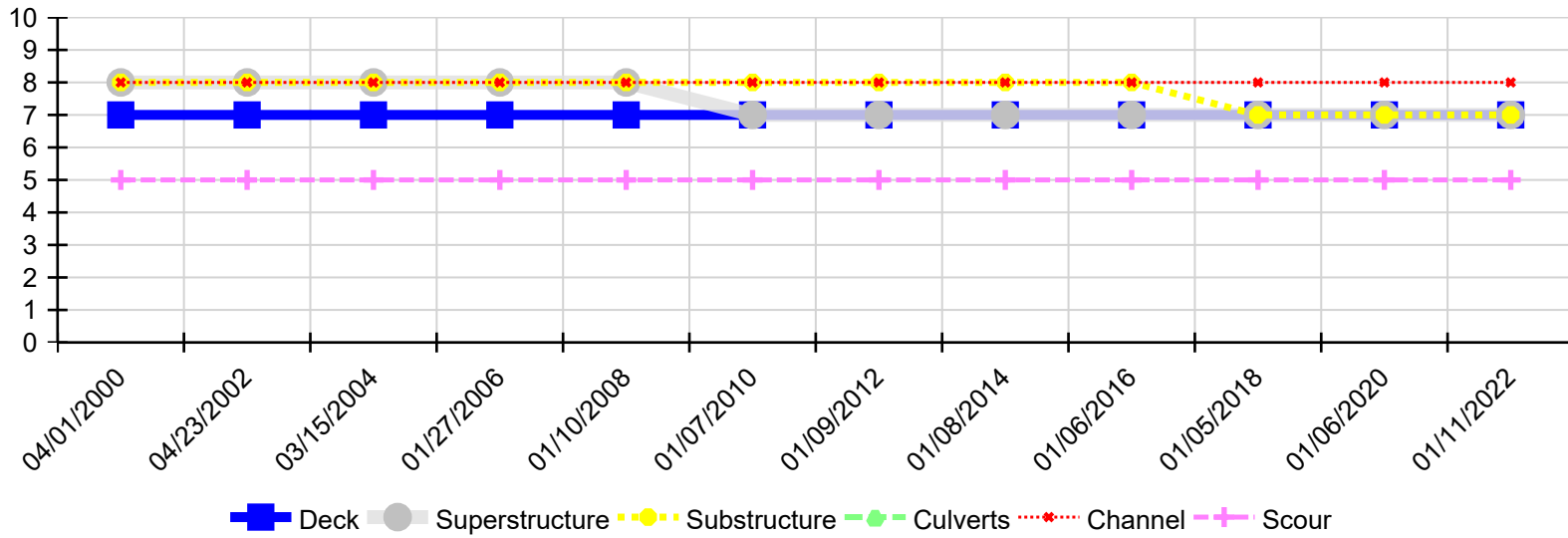
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Location: 2.4 NE HOWARD CO LINE

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

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
01/11/2022	7	7	7	N	8	5
01/06/2020	7	7	7	N	8	5
01/05/2018	7	7	7	N	8	5
01/06/2016	7	7	8	N	8	5
01/08/2014	7	7	8	N	8	5
01/09/2012	7	7	8	N	8	5
01/07/2010	7	7	8	N	8	5
01/10/2008	7	8	8	N	8	5
01/27/2006	7	8	8	N	8	5
03/15/2004	7	8	8	N	8	5
04/23/2002	7	8	8	N	8	5
04/01/2000	7	8	8	N	8	5