

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

ADDENDUM NO. 1 ISSUED: MAY 19, 2023

To

LOI NO. 8-2023

REQUEST FOR LETTERS OF INTEREST (LOIs) FOR PROFESSIONAL ENGINEERING SERVICES PROJECT NO. 71-23-06

ISSUED: APRIL 28, 2023

LETTERS OF INTEREST DUE DATE: 5:00 P.M. (Eastern) MAY 19, 2023 MAY 24, 2023

ATTENTION OF RESPONDENTS IS DIRECTED TO:

ANSWERS TO QUESTIONS RECEIVED THROUGH 5:00 PM ON MAY 12, 2023:

-AND-

2022 OTIC Bridge Inspection Reports for: MP 56.1, 56.3, and 58.5 For Reference Only

-AND-

PROPOSAL DUE DATE EXTENDED TO 5:00 P.M. (EASTERN TIME), MAY 24, 2023

Issued by the Ohio Turnpike and Infrastructure Commission through Aimee W. Lane, Esq., Director of Contracts Administration

Aimee W. Lane, Esq.,

Director of Contracts Administration

Primee W. Lave

May 19, 2023

Date

ANSWERS TO QUESTIONS RECEIVED THROUGH 5:00 P.M. ON MAY 12, 2023:

Q#1 Are existing plans available at this time? How can they be obtained?

A#1 Original and rehabilitation plan sets are available upon written request by e-mail to <u>purchasing@ohioturnpike.org</u> and due to size, an FTP link will be sent by e-mail to those firms making a request.

Q#2 To what extent is MP 56.1 and MP 58.5 to be widened?

A#2 Bridges will be widened to accommodate future third lane widening projects. Extents to be determined in Bridge Evaluation Report.

Q#3 If the Turnpike Mainline Bridge over Abandoned Railroad at MP 56.3 is to be removed, what will replace it?

A#3 The existing bridge will be removed and replaced with embankment and a new widened roadway.

Q#4 Will geotechnical investigation be required?

A#4 Geotechnical services will be required to evaluate the subsurface conditions relative to the design and construction of embankments as part of the Phase I – Site Inspection and Engineering Investigation.

Q#5 What type of Protective Coating System evaluation (lead/asbestos) will be required for the superstructure of MP 56.1 and MP 58.5. Is this to be determined in the Scope of work meeting?

A#5 Evaluation of deficiencies of the existing PCS and the asbestos survey will be conducted during the Phase I – Site Inspection and Engineering Investigations.

Q#6 Are bridge inspection reports available for review?

A#6 The 2022 OTIC Bridge Inspection Report for each bridge is provided as part of this Addendum.

Ohio Bridge Inspection Summary Report <u>LUC-0080K-0763R (4829492)</u>

2: Districibility 14/23 - SPRINGFIELD TWP (LUC county) 5A: Inventory Route	Onio Bridge irisp	ection Summary Report	LUC-0000N-0703N_(402943	<u> </u>
21 Major Maint AB 31 - State Toll Authority	ict	RINGFIELD TWP (LUC county)	5A: Inventory Route 1 0080K	
227 southine Main A/B 31 - State Toll Authority		1 - State Toll Authority /	7: Facility On ISO OH TPK FR	
221 Inspection A/B 31 - State Toll Authority 20: Inv. Location OHIO TURNPIKE	·		•	
220: Inv. Location OHIO TURNPIKE		- · · · · · · · · · · · · · · · · · · ·		
Structure Type	•	_		
38 Deck 7 - Good Condition 7 - Good (1% distress) 58.02 Joint 4 - Poor (heavy leaking, offset) 59 Superstructure 7 - Good Condition 45 Spans Main / Approach 3 / 0 0 107 Deck Type 1 - Concrete Cast-in-Place 108 History 108 Hist				\neg
58.01 Wearing Surface 7 - Good (1% distress) 02 - Stringer/Multi-beam or Girder 58.02 Joint 4 - Poor (neavy leaking, offset) 59: Superstructure 59: Superstructure 59: Operation 4 - Poor (neavy leaking, offset) 59: Superstructure 59: Operation 4 - Poor (neavy leaking, offset) 7 - Good Condition 45: Spans Main / Approach 3 / 0 0	58: Deck	7 - Good Condition		_
4- Poor (heavy leaking, offset) 4- P			3 71	
59.5 Uperstructure 7 - Good Condition 45: Spans Main / Approach 3	-			
1 - Concrete Cast-in-Place				
61: Channel 61: C	-		·	
61: Channel 61.01 Scour N - Not Applicable N - Not Applicable 108A: Wearing Surface 62: Culverts N - Not Applicable 108A: Wearing Surface 62: Culverts N - Not Applicable 108A: Wearing Surface 62: Culverts N - Not Applicable 108A: Wearing Surface 67.01 GA 7			* *	า
61.01 Scour 62: Culverts				•
108A: Wearing Surface 108A			· · · · · · · · · · · · · · · · · · ·	
Apprisal Sufficiency Rating 90.8 SD/FO 0 - ND 422: WS Date 423: WS Thick (in) 1.0 482: Protective Coating 1 - Red Lead 01/01/1988 433: PCS Date 438: PCS Date 448: PCS Date 456: Bearing Type 1 - A - Sliding (Other) 448: PCS Date 456: Bearing Type 1 - A - Sliding (Other) 448: PCS Date 456: Bearing Type 1 - A - Sliding (Other) 448: PCS Date 456: Bearing Type 1 - Steel H Piles (Other size) 458: PCS Date 458: PC			**	
Sufficiency Rating 90.8 SD/FO 0 - ND 423: WS Thick (in) 1.0 424: Protective Coating 1 - Red Lead 423: WS Thick (in) 1.0 424: Protective Coating 1 - Red Lead 423: WS Thick (in) 1.0 424: Protective Coating 1 - Red Lead 423: WS Thick (in) 1.0 424: Protective Coating 1 - Red Lead 423: WS Thick (in) 1.0 424: Protective Coating 1 - Red Lead 423: WS Thick (in) 1.0 424: Steen of the protective Coating 1 - Red Lead 423: WS Thick (in) 1.0 424: Steen of the protective Coating 1 - Red Lead 424: Steen of the protective Coating 1 - Red Lead 424: Steen of the protective Coating 1 - Red Lead 424: Steen of the protective Coating 1 - Red Lead 424: Steen of the protective Coating 1 - Red Lead 424: Steen of the protective Coating 1 - Red Lead 424: Steen of the protective Coating 1 - Red Lead 424: Steen of the protective Coating 1 - Red Lead 424: Steen of the protective Coating 1 - Red Lead 424: Steen of the protective 1 - Steel H Piles (Other Size) 528: Foundn: Abut Rear 1 - Steel H Piles (Other Size) 538: Foundn: Abut Rear 1 - Steel H Piles (Other Size) 539: Foundn: Pier 1 1 - Steel H Piles (Other Size) 539: Foundn: Pier 1 1 - Steel H Piles (Other Size) 539: Foundn: Pier 2 N - None (Such as most Culverts) 424: Steen of the protective Coating 1 - Filed Hydrograph 1 - Filed Hydrogr			(concurrently placed with structudeck)	ural
Sufficiency Rating 90.8 SD/FO 0 - ND 482: Protective Coating 1 - Red Lead 91.01/1988 483: PCS Date 01/01/1988 453: Bearing Type 1 A - Sliding (Other) 445: Bearing Type 2 N - None 528: Foundn: Abut Fwd 1 - Steel H Piles (Other size) 538: Foundn: Abut Fwd 1 - Steel H Piles (Other size) 538: Foundn: Abut Fwd 1 - Steel H Piles (Other Size) 539: Foundn: Abut Fwd 1 - Steel H Piles (Other Size) 539: Foundn: Pier 2 N - None (Such as most Culverts) 424: Deck Area (sf) 373: Foundn: Abut Rear 1 - Steel H Piles (Other Size) 539: Foundn: Pier 2 N - None (Such as most Culverts) 424: Deck Area (sf) 373: Abut Rear 1 - Steel H Piles (Other Size) 424: Deck Area (sf) 424:	67.01 GA			
Solution		Appraisal		
1	Sufficiency Rating	90.8 SD/FO 0 - ND	· ·	
13: Scour Critical N - Not over waterway 13: Scour Critical N - Not Applicable Searing Type 2 N - None Searing Type 2 Searing Type 2 N - None Searing Type 2 Searing Type 2 N - None Searing Type 2 N - None Searing Type 2 Searing Type 2 N - None Se	36: Rail, Tr, Gd, Term Std	1 1 1 1	•	
11: Scour Critical N - Not Over waterway 15: Bearing Type 2 N - None 15: Steel H Piles (Other size) 16: Steel H Piles (Oth	72: Approach Alignment	8 - Equal to present desirable criteria		
Secondary Seco	113: Scour Critical	N - Not over waterway		
Sa3: Foundn: Abut Rear 1 - Steel H Piles (Other Size)	71: Waterway Adequacy	N - Not Applicable		
48: Max Span Length (ft)		Geometric	,	
49: Structure Length (ft)	48: Max Span Length (ft)	58.0	·	
S2: Deck Width, Out-To-Out (ft)	· · · · · · · · · · · · · · · · · · ·			tc)
Age and Service	- · ·		559. Foundit. Fiel 2 14 - None (Outri as most ourveit	
32: Appr Roadway Width (ft)			Age and Service	
51: Road Width, Curb-Curb (ft) 37.3	` '		27: Year Built/ 106 Rehab 1954 / 1987	
50A: Curb/SW Width: Left (ft) 0 42B: Service Under pedestrian 1 - Highway, with or w/out pedestrian 50A: Curb/SW Width: Right (ft) 0 28A: Lanes on 02 34: Skew (deg) 8 28B: Lanes Under 02 33: Bridge Median 0 - No median 19: Bypass Length 1 54B: Min Vert Underclearance (ft) 14.75 29: ADT 12212 336B: Min V Clr IR Cardinal (ft) 99 109: % Trucks (%) 43 336B: Min V Clr IR Non-Cardinal (ft) 0 Inspections 578: Culvert Length (ft) 0 Months 41: Op/Post/Closed A - Open 92A: FCM Insp. N 0 70.01: Date 92B: Dive Insp. N 0 70.01: Date 92C: Special Insp. N 0 70.02: Sign Type 92D: UBIT Insp. N 0 704: Analysis Date 08/18/2017 Inspector Hayes, Edmund 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 Inspector Hayes, Edmund		•	42A: Service On 1 - Highway	
50A: Curb/SW Width: Right (ft) 0 28A: Lanes on 02 34: Skew (deg) 8 28B: Lanes Under 02 33: Bridge Median 0 - No median 19: Bypass Length 1 54B: Min Vert Underclearance (ft) 14.75 29: ADT 12212 336A: Min Vert CIrnce IR Cardinal (ft) 99 109: % Trucks (%) 43 336B: Min V Clr IR Non-Cardinal (ft) 0 578: Culvert Length (ft) 0 Load Posting 5 - Equal to or above legal loads 70.01: Date 70.02: Sign Type 734: Percent Legal (%) 150 704: Analysis Date 08/18/2017 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18			42B: Service Under 1 - Highway, with or w/out	
34: Skew (deg) 8 28B: Lanes Under 02 33: Bridge Median 0 - No median 19: Bypass Length 1 54B: Min Vert Underclearance (ft) 14.75 29: ADT 12212 336A: Min Vert CIrnce IR Cardinal (ft) 99 109: % Trucks (%) 43 336B: Min V CIr IR Non-Cardinal (ft) 0 Inspections 578: Culvert Length (ft) 0 Months 41: Op/Post/Closed A - Open 90: Routine Insp. 24 05/18/2022 41: Op/Post/Closed A - Open 92A: FCM Insp. N 0 70: Posting 5 - Equal to or above legal loads 92B: Dive Insp. N 0 70: O1: Date 92C: Special Insp. N 0 70: U2: Sign Type 92D: UBIT Insp. N 0 704: Analysis Date 08/18/2017 Inspector Hayes,Edmund 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18		` '	·	
33: Bridge Median	50A: Curb/SW Width: Righ	t (ft) 0		
54B: Min Vert Underclearance (ft) 14.75 29: ADT 12212 336A: Min Vert Clrnce IR Cardinal (ft) 99 109: % Trucks (%) 43 336B: Min V Clr IR Non-Cardinal (ft) 0 578: Culvert Length (ft) 0 Load Posting 90: Routine Insp. 24 05/18/2022 41: Op/Post/Closed A - Open 92A: FCM Insp. N 0 70: Posting 5 - Equal to or above legal loads 70.01: Date 70.02: Sign Type 734: Percent Legal (%) 150 704: Analysis Date 08/18/2017 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18	34: Skew (deg)	8		
336A: Min Vert Clrnce IR Cardinal (ft) 99 336B: Min V Clr IR Non-Cardinal (ft) 0 578: Culvert Length (ft) 0 Load Posting 41: Op/Post/Closed A - Open 70: Posting 5 - Equal to or above legal loads 70.01: Date 70.02: Sign Type 734: Percent Legal (%) 150 704: Analysis Date 08/18/2017 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18	33: Bridge Median	0 - No median		
336B: Min V Clr IR Non-Cardinal (ft) 0 578: Culvert Length (ft) 0 Load Posting 41: Op/Post/Closed A - Open 70: Posting 5 - Equal to or above legal loads 70.01: Date 70.02: Sign Type 734: Percent Legal (%) 150 704: Analysis Date 08/18/2017 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 Inspections Months Months				
578: Culvert Length (ft) Load Posting 41: Op/Post/Closed A - Open 70: Posting 5 - Equal to or above legal loads 70.01: Date 70.02: Sign Type 734: Percent Legal (%) 704: Analysis Date 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 Months 24 05/18/2022 92A: FCM Insp. N 0 92B: Dive Insp. N 0 92C: Special Insp. N 0 92C: Special Insp. N 0 92E: Drone Insp. N 0		* *	109: % Trucks (%) 43	
Load Posting 41: Op/Post/Closed A - Open 70: Posting 5 - Equal to or above legal loads 70.01: Date 70.02: Sign Type 734: Percent Legal (%) 704: Analysis Date 63: Analysis Method Documents 90: Routine Insp. 90: Routine Insp. 92A: FCM Insp. N 0 92B: Dive Insp. N 0 92C: Special Insp. N 0 92E: Drone Insp. N 0 150 Inspector Hayes,Edmund Inspector Hayes,Edmund		urdinal (ft) 0	Inspections	
90: Routine Insp. 24 05/18/2022	578: Culvert Length (ft)	0		
70: Posting 5 - Equal to or above legal loads 70.01: Date 70.02: Sign Type 734: Percent Legal (%) 150 704: Analysis Date 08/18/2017 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18		Load Posting		
70: Posting 5 - Equal to or above legal loads 70.01: Date 70.02: Sign Type 734: Percent Legal (%) 150 704: Analysis Date 08/18/2017 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18	41: Op/Post/Closed	A - Open	92A: FCM Insp. N 0	
70.01: Date 70.02: Sign Type 734: Percent Legal (%) 704: Analysis Date 63: Analysis Method 70.02: Sign Type 735: Sign Type 74: Percent Legal (%) 705: Date 75: Special Insp. 700: Percent Insp. 700: Percen	•	•	·	
70.02: Sign Type 734: Percent Legal (%) 704: Analysis Date 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18	- ·	5		
734: Percent Legal (%) 150 92E: Drone Insp. N 0 704: Analysis Date 08/18/2017 Inspector Hayes,Edmund 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18			•	
704: Analysis Date 08/18/2017 Inspector Hayes,Edmund 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18	- · · · · · · · · · · · · · · · · · · ·	150	92E: Drone Insp. N 0	
63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18			Inspector Hayes,Edmund	
	•	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18		

Inspection Date: 05/18/2022 Facility Carried: 180 OH TPK EB

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	3 - Mod.	5038	sq. ft.	3375	1663	0	0
1130 - Cracking (RC and Other)		1663		0	1663	0	0
805 - Wearing Surface - Monolithic Concrete		4657	sq. ft.	2322	2327	7	1
107 - Steel Open Girder/Beam	3 - Mod.	750	ft.	750	0	0	0
515 - Steel Protective Coating		750	sq. ft.	732	18	0	0
	Inspected prior to Paint SF Calculations, Quantified using Lineal Feet						

	18		0	18	0	0
3 - Mod.	8	each	8	0	0	0
3 - Mod.	82	ft.	51	20	11	0
	3		0	0	3	0
	0		0	0	0	0
	28		0	20	8	0
3 - Mod.	82	ft.	21	61	0	0
	61		0	61	0	0
3 - Mod.	80	ft.	0	29	46	5
	60		0	10	46	4
	8		0	8	0	0
	12		0	11	0	1
3 - Mod.	24	each	12	0	7	5
	7		0	0	7	0
	5		0	0	0	5
	24	sq. ft.	12	0	12	0
	12		0	0	12	0
3 - Mod.	1320	sq. ft.	816	500	4	0
	4		0	0	4	0
	500		0	500	0	0
3 - Mod.	250	ft.	0	189	61	0
	10		0	0	10	0
	0		0	0	0	0
	101		0	50	51	0
	139		0	139	0	0
3 - Mod.	82	ft.	50	31	1	0
	3 - Mod. 3 - Mod. 3 - Mod. 3 - Mod.	3 - Mod. 8 3 - Mod. 82 3 0 28 3 - Mod. 82 61 3 - Mod. 80 60 8 12 3 - Mod. 24 7 5 24 12 3 - Mod. 1320 4 500 3 - Mod. 250 10 0 101 139	3 - Mod. 8 each 3 - Mod. 82 ft. 3 0 0 28 3 - Mod. 82 ft. 61 3 - Mod. 80 ft. 60 8 12 3 - Mod. 24 each 7 5 24 sq. ft. 12 3 - Mod. 1320 sq. ft. 4 500 3 - Mod. 250 ft. 10 0 101 139	3 - Mod. 8 each 8 3 - Mod. 82 ft. 51 3 0 0 0 0 28 0 3 - Mod. 82 ft. 21 61 0 3 - Mod. 80 ft. 0 60 0 8 0 3 - Mod. 24 each 12 7 0 5 0 24 sq. ft. 12 12 0 3 - Mod. 1320 sq. ft. 816 4 0 500 0 3 - Mod. 250 ft. 0 101 0 0 0 1139 0	3 - Mod. 8 each 8 0 3 - Mod. 82 ft. 51 20 3 0 0 0 0 0 0 0 0 3 - Mod. 82 ft. 21 61 61 0 61 3 - Mod. 80 ft. 0 29 60 0 10 8 0 8 12 0 11 3 - Mod. 24 each 12 0 12 0 0 3 - Mod. 1320 sq. ft. 816 500 3 - Mod. 1320 sq. ft. 816 500 3 - Mod. 250 ft. 0 189 10 0 0 10 0 10 0 0 10	3 - Mod. 8 each 8 0 0 3 - Mod. 82 ft. 51 20 11 3 0 0 0 3 0 0 0 0 0 28 0 20 8 3 - Mod. 82 ft. 21 61 0 61 0 61 0 3 - Mod. 80 ft. 0 29 46 60 0 10 46 8 0 8 0 12 0 11 0 3 - Mod. 24 each 12 0 7 5 0 0 0 7 5 0 0 0 7 5 0 0 0 12 3 - Mod. 1320 sq. ft. 816 500 4 4 0 0 4 500 0 0 0 3 - Mod. 250 ft. 0 189 61 10 0 0 0 0 101 0 0 0 0 101 0 0 0 0 101 0 0 0 0

LUC-0080K-0763R_(4829492)

Major Maint: 31 - State Toll Authority

Facility Carried: I80 OH TPK EB

Traffic On: 1 - Highway

07/01/1954 Date Built: 01/01/1987 Rehab Date:

FIPS Code: 74123 - SPRINGFIELD TWP (LUC county)

Routine Maint: 31 - State Toll Authority

Feature Inters: ALBON RD

Traffic Under: 1 - Highway, with or w/out pedestrian 3.5MI WEST OF EXIT 59

Insp. 31 - State Toll Authority Resp A:

Inspector

Hayes,Edmund

Inspection Date 05/18/2022

Location: OHIO TURNPIKE

Reviewer Hayes, Edmund

Insp Resp B:

<u>Inspector Comments - Deck and Approach</u>

Deck

Deck is rated a 7 due to the prevalence of map cracking on the underside.

Approach

Inspector Comments - General Appraisal

<u>Superstructure</u>

Superstructure is rated a 7 due to bearing issues such as uplift and deflections under liver load.

<u>Substructure</u>

Substucture is rated a 7 to cracks on most elements.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Ohio Bridge Inspection Summary Report LUC-0080K-0763L (4829506)

Onio Bridge irisp	ection Summary Report	LUC-U	000K-0703L (4029300)
2: DistrictDistr 74123 - SP ict 02	RINGFIELD TWP (LUC county)	5A: Inventory Route 1	0080K
*-	1 - State Toll Authority /	7: Facility On I80 OH TP	K WB
225 Routine Main A/B 3	1 - State Toll Authority /	6: Feature Ints ALBON RD	
221 Inspection A/B 3	1 - State Toll Authority /	9: Location 3.5MI WES	ST OF EXIT 59
220: Inv. Location OHIO	TURNPIKE	Lat, Lon 41.590847	5067219 ,-83.7377083698044
	Condition	Str	ucture Type
58: Deck	7 - Good Condition	43: Bridge Type 4 - Sto	eel continuous
58.01 Wearing Surface	7 - Good (1% distress)		stringer/Multi-beam or Girder
58.02 Joint	4- Poor (heavy leaking, offset)	N- No	t Applicable
59: Superstructure	7 - Good Condition	45: Spans Main / Approa	ach 3 / 0
59.01 Paint & PCS	8 - Very Good (up to 1% corr.)	107: Deck Type	1 - Concrete Cast-in-Place
60: Substructure	7 - Good Condition	408: Composite Deck	N - Non-composite Construction
61: Channel	N	414A Joint Type 1	8 - Elastomeric Strip Seal
61.01 Scour	N - Not Applicable	414B: Joint Type 2	N - None
62: Culverts	N - Not Applicable	108A: Wearing Surface	Monolithic Concrete (concurrently placed with structural deck)
67.01 GA	7		N- Not Applicable
	Appraisal	422: WS Date	
Sufficiency Rating	89.8 SD/FO 0 - ND	423: WS Thick (in)	1.0
36: Rail, Tr, Gd, Term Std	1 1 1 1	482: Protective Coating	1 - Red Lead
72: Approach Alignment	8 - Equal to present desirable criteria	483: PCS Date	01/01/1988
113: Scour Critical	N - Not over waterway	453: Bearing Type 1	A - Sliding (Other)
71: Waterway Adequacy	N - Not Applicable	455: Bearing Type 2	N - None
	Geometric	528: Foundn: Abut Fwd	1 - Steel H Piles (Other size)1 - Steel H Piles (Other Size)
48: Max Span Length (ft)	58.0	536: Foundn: Pier 1	1 - Steel H Piles (Other size)
49: Structure Length (ft)	125.0	539: Foundn: Pier 2	N - None (Such as most Culverts)
52: Deck Width, Out-To-O	ut (ft) 40.3		· ·
424: Deck Area (sf)	5037.5	Age	and Service
32: Appr Roadway Width (ft) 44.0	27: Year Built/ 106 Reha	b 1954 / 1987
51: Road Width, Curb-Cur	o (ft) 37.3	42A: Service On	1 - Highway
50A: Curb/SW Width: Left	(ft) 0	42B: Service Under	1 - Highway, with or w/out pedestrian
50A: Curb/SW Width: Righ	t (ft) 0	28A: Lanes on	02
34: Skew (deg)	8	28B: Lanes Under	02
33: Bridge Median	0 - No median	19: Bypass Length	1
54B: Min Vert Undercleara		29: ADT	12212
336A: Min Vert Clrnce IR (• •	109: % Trucks (%)	43
336B: Min V Clr IR Non-Ca	. ,		
578: Culvert Length (ft)	0	Ins	pections
		90: Routine Insp.	Months 24 05/17/2022
11.0.75.1/011	Load Posting	92A: FCM Insp. N	0
41: Op/Post/Closed	A - Open	92B: Dive Insp. N	0
	or above legal loads	92C: Special Insp. N	0
70.01: Date		92D: UBIT Insp. N	0
70.02: Sign Type	150	92E: Drone Insp. N	0
734: Percent Legal (%)	150	·	-
704: Analysis Date	08/18/2017 6 - Load Factor (LF) rating reported by	Inspector Hayes,Edmi	una
63: Analysis Method	rating factor (RF) method using MS18 loading.		

Inspection Date: 05/17/2022 Facility Carried: I80 OH TPK WB

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	3 - Mod.	5038	sq. ft.	3375	1663	0	0
1130 - Cracking (RC and Other)		1663		0	1663	0	0
805 - Wearing Surface - Monolithic Concrete		4657	sq. ft.	3489	1164	4	0
107 - Steel Open Girder/Beam	3 - Mod.	750	ft.	712	38	0	0
1900 - Distortion		38		0	38	0	0
515 - Steel Protective Coating		750	sq. ft.	732	18	0	0
	Inspected pr	ior to Pain	t SF Ca	alculations,	Quantified	d using Lin	eal Feet

3440 - Effectiveness (Steel Protective Coatings) 205 - Reinforced Concrete Column 3 - Mod. each 215 - Reinforced Concrete Abutment 3 - Mod. ft. 1120 - Efflorescence/Rust Staining 1130 - Cracking (RC and Other) 234 - Reinforced Concrete Pier Cap 3 - Mod. ft. 1130 - Cracking (RC and Other) 300 - Strip Seal Expansion Joint 3 - Mod. ft. 2310 - Leakage 2350 - Debris Impaction 2370 - Metal Deterioration or Damage 311 - Movable Bearing 3 - Mod. each 1000 - Corrosion 2240 - Loss Bearing Area 515 - Steel Protective Coating sq. ft. 3440 - Effectiveness (Steel Protective Coatings) 321 - Reinforced Concrete Approach Slab 3 - Mod. sq. ft. 1080 - Delamination/Spall/Patched Area 1130 - Cracking (RC and Other) 1190 - Abrasion/Wear (PSC/RC) 331 - Reinforced Concrete Bridge Railing ft. 3 - Mod. 1080 - Delamination/Spall/Patched Area 1130 - Cracking (RC and Other) 1190 - Abrasion/Wear (PSC/RC) 830 - Abutment Backwall 3 - Mod.

LUC-0080K-0763L_(4829506)

Major Maint: 31 - State Toll Authority

Facility Carried: I80 OH TPK WB Feature Inters: ALBON RD

Traffic On: 1 - Highway Traffic Under: 1 - Highway, with or w/out

01/01/1987 Rehab Date: Insp. 31 - State Toll Authority

07/01/1954

Routine Maint: 31 - State Toll Authority

FIPS Code: 74123 - SPRINGFIELD TWP (LUC county)

Location: OHIO TURNPIKE

pedestrian 3.5MI WEST OF EXIT 59

Resp A: Insp Resp B:

Date Built:

Inspector Inspection Date 05/17/2022 Hayes,Edmund

Reviewer Hayes, Edmund

<u>Inspector Comments - Deck and Approach</u> **Deck**

Deck is rated a 7 due to the prevalence of map cracking on the underside.

Approach

Inspector Comments - General Appraisal

<u>Superstructure</u>

Superstructure is rated a 7 due to bearing issues such as deflections under live load.

<u>Substructure</u>

Substructure is rated a 7 for cracking on most elements.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Ohio Bridge Inspection Summary Report

LUC-0080K-0788R (4829522)

2: DistrictDistr 74123 - SPF ict 02	RINGFIELD TWP (LUC county	/)	5A: Inventory Ro	oute 1	0080	(
	I - State Toll Authority	/	7: Facility On	I80 OH TPI	< EB		
<u>-</u>	I - State Toll Authority	/	6: Feature Ints	CONRAIL I			
221 Inspection A/B 3	I - State Toll Authority	/	9: Location		T OF EXIT 5	59	
220: Inv. Location OHIO	TURNPIKE		Lat, Lon	41.5911418	3200506	,-83.7328691139844	
	Condition			Str	ucture Typ	oe	
58: Deck	8 - Very Good Condition		43: Bridge T	ype 4 - Ste	eel continuou	IS	
58.01 Wearing Surface	7 - Good (1% distress)			02 - S	tringer/Multi-	beam or Girder	
58.02 Joint	7- Good (no leaking)			N- No	t Applicable		
59: Superstructure	6 - Satisfactory Condition	1	45: Spans M	1ain / Approa	ch 3	/ 0	
59.01 Paint & PCS	3 - Serious PCS (20-30% c		107: Deck T	• •	1 - Concret	e Cast-in-Place	
60: Substructure	6 - Satisfactory Condition	1	408: Compo			mposite Construction	
61: Channel	N		414A Joint			eric Strip Seal	
61.01 Scour	N - Not Applicable		414B: Joint		N - None		
62: Culverts	N - Not Applicable		108A: Wear	ing Surface	(concurrent deck)	nic Concrete ly placed with structural	
67.01 GA	6				N- Not App	licable	
	Appraisal		422: WS Da				
Sufficiency Rating	89.8 SD/FO 0 - N	ND	423: WS Th		1.0		
36: Rail, Tr, Gd, Term Std	1 1 1	1	482: Protect	•	1 - Red Lea		
72: Approach Alignment	8 - Equal to present desiral	ole criteria	483: PCS D		01/01/1988		
113: Scour Critical	N - Not over waterway		453: Bearing		A - Sliding (Other)		
71: Waterway Adequacy	N - Not Applicable		455: Bearing		N - None	Place Reinforced	
	Geometric		528: Foundr	1: Abut Fwa		iles (Other diameter)	
48: Max Span Length (ft)	33.0		533: Foundr	n: Abut Rear	2 - Cast-in-	Place reinforced	
49: Structure Length (ft)	98.0		536: Foundr	n: Pier 1	2 - Cast-in-	iles (Other diameter) Place Reinforced iles (Other diameter)	
52: Deck Width, Out-To-Ou	ıt (ft) 40.3		539: Foundr	n: Pier 2		Such as most Culverts)	
424: Deck Area (sf)	3949.4			Λαο	and Servi	ico	
32: Appr Roadway Width (f	(t) 44.0		27: Year Bu	ilt/ 106 Reha		/ 1987	
51: Road Width, Curb-Curk	o (ft) 37.3		42A: Service	e On	1 - Highw	ay	
50A: Curb/SW Width: Left	(ft) 0		42B: Service	e Under	2 - Railroa		
50A: Curb/SW Width: Righ	t (ft) 0		28A: Lanes	on	02		
34: Skew (deg)	8		28B: Lanes	Under	00		
33: Bridge Median	0 - No media	an	19: Bypass	Length	1		
54B: Min Vert Undercleara	nce (ft) 23.08		29: ADT		12212		
336A: Min Vert Clrnce IR C			109: % Truc	ks (%)	43		
336B: Min V CIr IR Non-Ca	rdinal (ft) 0			Iner	ections		
578: Culvert Length (ft)	0		<u> </u>	11135	Months		
	Load Posting		90: Routine	Insp.	12	05/17/2022	
41: Op/Post/Closed	A - Open		92A: FCM Ir	nsp. N	0		
70: Posting 5 - Equal to	•		92B: Dive In	isp. N	0		
70.11 Osting 5 - Equal to 70.01: Date	J. Sport logal loads		92C: Specia	l Insp. N	0		
70.01: Date 70.02: Sign Type			92D: UBIT I	nsp. N	0		
734: Percent Legal (%)	150		92E: Drone	Insp. N	0		
704: Analysis Date	08/08/2017		Inspector	Hayes,Edmu	ınd		
63: Analysis Method	6 - Load Factor (LF) rating re rating factor (RF) method us loading.		,	- , ,	-		

Inspection Date: 05/17/2022 Facility Carried: I80 OH TPK EB

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	3 - Mod.	3950	sq. ft.	3752	198	0	0
1130 - Cracking (RC and Other)		198		0	198	0	0
805 - Wearing Surface - Monolithic Concrete		3651	sq. ft.	2738	913	0	0
107 - Steel Open Girder/Beam	3 - Mod.	588	ft.	402	186	0	0
1000 - Corrosion		186		0	186	0	0
515 - Steel Protective Coating		588	sq. ft.	0	177	30	381
	Inspected pr	ior to Pain	t SF Ca	lculations	Quantified	d usina Lin	eal Feet

Inspected prior to Paint SF Calculations, Quantified using Lineal Feet

3440 - Effectiveness (Steel Protective Coatings)		588		0	177	30	381
205 - Reinforced Concrete Column	3 - Mod.	8	each	6	2	0	0
1130 - Cracking (RC and Other)		2		0	2	0	0
215 - Reinforced Concrete Abutment	3 - Mod.	82	ft.	44	34	4	0
1080 - Delamination/Spall/Patched Area		2		0	0	2	0
1130 - Cracking (RC and Other)		36		0	34	2	0
234 - Reinforced Concrete Pier Cap	3 - Mod.	82	ft.	18	64	0	0
1080 - Delamination/Spall/Patched Area		3		0	3	0	0
1130 - Cracking (RC and Other)		61		0	61	0	0
300 - Strip Seal Expansion Joint	3 - Mod.	80	ft.	48	32	0	0
2370 - Metal Deterioration or Damage		32		0	32	0	0
311 - Movable Bearing	3 - Mod.	24	each	9	10	1	4
2210 - Movement		9		0	9	0	0
2240 - Loss Bearing Area		6		0	1	1	4
515 - Steel Protective Coating		24	sq. ft.	0	12	8	4
3440 - Effectiveness (Steel Protective Coatings)		24		0	12	8	4
321 - Reinforced Concrete Approach Slab	3 - Mod.	746	sq. ft.	543	201	2	0
1080 - Delamination/Spall/Patched Area		16		0	14	2	0
1190 - Abrasion/Wear (PSC/RC)		187		0	187	0	0
331 - Reinforced Concrete Bridge Railing	3 - Mod.	196	ft.	0	109	85	2
1080 - Delamination/Spall/Patched Area		18		0	0	16	2
1130 - Cracking (RC and Other)		49		0	0	49	0
1190 - Abrasion/Wear (PSC/RC)		129		0	109	20	0
830 - Abutment Backwall	3 - Mod.	82	ft.	71	11	0	0
,	•	•			•	•	-

LUC-0080K-0788R_(4829522)

Major Maint: 31 - State Toll Authority

Facility Carried: 180 OH TPK EB

Traffic On: 1 - Highway

07/01/1954 Date Built: 01/01/1987 Rehab Date:

Routine Maint: 31 - State Toll Authority

Feature Inters: CONRAIL RR (ABD)

Traffic Under: 2 - Railroad 3.3MI WEST OF EXIT 59

31 - State Toll Authority Resp A:

FIPS Code: 74123 - SPRINGFIELD TWP (LUC county)

Inspector

Hayes,Edmund

Location: OHIO TURNPIKE Inspection Date 05/17/2022

Reviewer Hayes, Edmund

Insp Resp B:

<u>Inspector Comments - Deck and Approach</u>

Deck

Deck is raised to an 8, inspection found only minimal cracking not exceeding 10%.

Approach

Inspector Comments - General Appraisal

<u>Superstructure</u>

Superstructure is rated a 6 for surface corrosion on fascia girders, with spot surface corrosion developing on exposed bare steel. There are also significant bearing issues.

Substructure

Substructure was lowered to a 6 as 2 abutment spalls are affecting bearing area.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Ohio Bridge Inspection Summary Report

LUC-0080K-0788L (4829530)

2: DistrictDistr 74123 - SPF ict 02	RINGFIELD TWP (LUC county)	5A: Inventory Route 1	0080K
	1 - State Toll Authority /	7: Facility On I80 OH TPI	K WR
=	1 - State Toll Authority /	6: Feature Ints CONRAIL	
	1 - State Toll Authority /		ST OF EXIT 59
220: Inv. Location OHIO	· · · · · · · · · · · · · · · · · · ·	Lat, Lon 41.5913654	
	Condition	Str	ucture Type
58: Deck	8 - Very Good Condition	43: Bridge Type 4 - Ste	eel continuous
58.01 Wearing Surface	7 - Good (1% distress)	02 - S	tringer/Multi-beam or Girder
58.02 Joint	6- Satisfactory (isolated leaking)	N- No	t Applicable
59: Superstructure	6 - Satisfactory Condition	45: Spans Main / Approa	nch 3 / 0
59.01 Paint & PCS	2 - Critical PCS (30-40% corr.)	107: Deck Type	1 - Concrete Cast-in-Place
60: Substructure	7 - Good Condition	408: Composite Deck	N - Non-composite Construction
61: Channel	N	414A Joint Type 1	8 - Elastomeric Strip Seal
61.01 Scour	N - Not Applicable	414B: Joint Type 2	N - None
62: Culverts	N - Not Applicable	108A: Wearing Surface	1 - Monolithic Concrete (concurrently placed with structural deck)
67.01 GA	6	122: WS Data	N- Not Applicable
	Appraisal	422: WS Date 423: WS Thick (in)	1.0
Sufficiency Rating	89.8 SD/FO 0 - ND	482: Protective Coating	1.0 1 - Red Lead
36: Rail, Tr, Gd, Term Std	1 1 1 1	483: PCS Date	01/01/1988
72: Approach Alignment	8 - Equal to present desirable criteria	453: Bearing Type 1	A - Sliding (Other)
113: Scour Critical	N - Not over waterway	455: Bearing Type 2	N - None
71: Waterway Adequacy	N - Not Applicable	528: Foundn: Abut Fwd	2 - Cast-in-Place Reinforced
	Geometric	320. I Surian. Abat I wa	Concrete Piles (Other diameter)
48: Max Span Length (ft)	33.0	533: Foundn: Abut Rear	2 - Cast-in-Place reinforced Concrete Piles (Other diameter)
49: Structure Length (ft)	98.0	536: Foundn: Pier 1	2 - Cast-in-Place Reinforced Concrete Piles (Other diameter)
52: Deck Width, Out-To-Oเ	ut (ft) 40.3	539: Foundn: Pier 2	N - None (Such as most Culverts)
424: Deck Area (sf)	3949.4	Age	and Service
32: Appr Roadway Width (f	(t) 44.0	27: Year Built/ 106 Reha	
51: Road Width, Curb-Curk	o (ft) 37.3	42A: Service On	1 - Highway
50A: Curb/SW Width: Left	(ft) O	42B: Service Under	2 - Railroad
50A: Curb/SW Width: Righ	t (ft) 0	28A: Lanes on	02
34: Skew (deg)	8	28B: Lanes Under	00
33: Bridge Median	0 - No median	19: Bypass Length	1
54B: Min Vert Undercleara	nce (ft) 32	29: ADT	12212
336A: Min Vert Clrnce IR C	Cardinal (ft) 99	109: % Trucks (%)	43
336B: Min V Clr IR Non-Ca	rdinal (ft) 0	Inst	pections
578: Culvert Length (ft)	0		Months
	Load Posting	90: Routine Insp.	12 05/17/2022
41: Op/Post/Closed	A - Open	92A: FCM Insp. N	0
70: Posting 5 - Equal to	or above legal loads	92B: Dive Insp. N	0
70.01: Date		92C: Special Insp. N	0
70.02: Sign Type		92D: UBIT Insp. N	0
734: Percent Legal (%)	150	92E: Drone Insp. N	0
704: Analysis Date	08/08/2017	Inspector Hayes,Edmu	und
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.		

Inspection Date: 05/17/2022 Facility Carried: I80 OH TPK WB

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	3 - Mod.	3950	sq. ft.	3752	198	0	0
805 - Wearing Surface - Monolithic Concrete		3651	sq. ft.	2920	730	0	1
107 - Steel Open Girder/Beam	3 - Mod.	588	ft.	402	186	0	0
1000 - Corrosion		186		0	186	0	0
515 - Steel Protective Coating		588	sq. ft.	0	117	59	412
	Inspected prior to Paint SF Calculations, Quantified using Lineal Feet						

3440 - Effectiveness (Steel Protective Coatings)		588		0	117	59	412
205 - Reinforced Concrete Column	3 - Mod.	8	each	4	4	0	0
1130 - Cracking (RC and Other)		4		0	4	0	0
215 - Reinforced Concrete Abutment	3 - Mod.	82	ft.	35	46	1	0
1120 - Efflorescence/Rust Staining		1		0	0	1	0
1130 - Cracking (RC and Other)		46		0	46	0	0
234 - Reinforced Concrete Pier Cap	3 - Mod.	82	ft.	29	40	13	0
1130 - Cracking (RC and Other)		53		0	40	13	0
300 - Strip Seal Expansion Joint	3 - Mod.	80	ft.	43	32	5	0
2370 - Metal Deterioration or Damage		37		0	32	5	0
311 - Movable Bearing	3 - Mod.	24	each	12	2	5	5
1000 - Corrosion		4		0	2	2	0
2240 - Loss Bearing Area		8		0	0	3	5
515 - Steel Protective Coating		24	sq. ft.	0	12	8	4
321 - Reinforced Concrete Approach Slab	3 - Mod.	746	sq. ft.	548	197	1	0
1080 - Delamination/Spall/Patched Area		2		0	1	1	0
1130 - Cracking (RC and Other)		10		0	10	0	0
1190 - Abrasion/Wear (PSC/RC)		186		0	186	0	0
331 - Reinforced Concrete Bridge Railing	3 - Mod.	196	ft.	125	70	1	0
1080 - Delamination/Spall/Patched Area		31		0	30	1	0
1130 - Cracking (RC and Other)		10		0	10	0	0
1190 - Abrasion/Wear (PSC/RC)		30		0	30	0	0
830 - Abutment Backwall	3 - Mod.	82	ft.	56	26	0	0

LUC-0080K-0788L_(4829530)

Major Maint: 31 - State Toll Authority

Facility Carried: I80 OH TPK WB

Feature Inters: CONRAIL RR (ABD)

Traffic On: 1 - Highway Traffic Under: 2 - Railroad

01/01/1987 Rehab Date: Insp. 31 - State Toll Authority

07/01/1954

FIPS Code: 74123 - SPRINGFIELD TWP (LUC county)

Routine Maint: 31 - State Toll Authority

Inspector

Hayes,Edmund

Location: OHIO TURNPIKE Inspection Date 05/17/2022 3.3MI WEST OF EXIT 59 Reviewer Hayes, Edmund

Resp A: Insp Resp B:

Date Built:

<u>Inspector Comments - Deck and Approach</u>

Deck

Deck is raised to an 8 as only a small amount of cracking not exceeding 10% is present.

Approach

Inspector Comments - General Appraisal

<u>Superstructure</u>

Superstructure is rated a 6 for surface corrosion on fascia girders, with spot surface corrosion developing on exposed bare steel. There are also significant bearing issues.

Substructure

Substructure is rated a 7 due to cracking on all elements.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Ohio Bridge Inspection Summary Report <u>LUC-0080K-1010R (4829603)</u>

	ection Summary Report	<u>LUC-0000K-10</u>	_,
2: DistrictDistr 74123 - SPF ict 02	RINGFIELD TWP (LUC county)	5A: Inventory Route 1 0080	K
	- State Toll Authority /	7: Facility On I80 OH TPK EB	
	- State Toll Authority /	6: Feature Ints SWAN CREEK	
221 Inspection A/B 31	- State Toll Authority /	9: Location 1.1MI WEST OF EXIT	59
220: Inv. Location OHIO	TURNPIKE	Lat, Lon 41.5918744	,-83.6902407
	Condition	Structure Ty	pe
58: Deck	8 - Very Good Condition	43: Bridge Type 4 - Steel continuo	us
58.01 Wearing Surface	7 - Good (1% distress)	02 - Stringer/Mult	i-beam or Girder
58.02 Joint	7- Good (no leaking)	N- Not Applicable	
59: Superstructure	7 - Good Condition	45: Spans Main / Approach 3	/ 0
59.01 Paint & PCS	5 - Fair (10-15% corr.)	107: Deck Type 1 - Concre	ete Cast-in-Place
60: Substructure	7 - Good Condition	408: Composite Deck N - Non-co	omposite Construction
61: Channel	7	414A Joint Type 1 8 - Elastor	meric Strip Seal
61.01 Scour	6 - Satisfactory	414B: Joint Type 2 N - None	
62: Culverts 67.01 GA	N - Not Applicable		thic Concrete only placed with structure
67.01 GA	7	1422: WS Date	plicable
	Appraisal	423: WS Thick (in) 1.2	
Sufficiency Rating	90.8 SD/FO 0 - ND	482: Protective Coating 1 - Red Le	ead
36: Rail, Tr, Gd, Term Std	1 1 1 1	483: PCS Date 01/01/198	
72: Approach Alignment	8 - Equal to present desirable criteria	453: Bearing Type 1 A - Sliding	
113: Scour Critical	8 - Stable for scour conditions	455: Bearing Type 2 N - None	,
71: Waterway Adequacy	8 - Bridge Above Approaches		l Piles (Other size)
	Geometric	533: Foundn: Abut Rear 1 - Steel F	l Piles (Other Size)
48: Max Span Length (ft)	55.0	536: Foundn: Pier 1 1 - Steel F	l Piles (Other size)
49: Structure Length (ft)	148.0	539: Foundn: Pier 2 N - None	(Such as most Culverts)
52: Deck Width, Out-To-Ou	` '	Age and Serv	/ice
424: Deck Area (sf)	5964.4	27: Year Built/ 106 Rehab 1954	/ 1987
32: Appr Roadway Width (f			
51: Road Width, Curb-Curb		•	
50A: Curb/SW Width: Left (•	42B: Service Under 5 - Wate 28A: Lanes on 02	ıway
50A: Curb/SW Width: Right		28B: Lanes Under 00	
34: Skew (deg)	30	19: Bypass Length 1	
33: Bridge Median	0 - No median	29: ADT 12212	
54B: Min Vert Underclearar		109: % Trucks (%) 43	
336A: Min Vert Clrnce IR C 336B: Min V Clr IR Non-Ca	` '	. ,	
578: Culvert Length (ft)	o O	Inspections	
576. Guivert Length (it)		90: Routine Insp. Months 24	05/24/2022
14 0 /2 1/2:	Load Posting	92A: FCM Insp. N 0	UUI L71 LULL
41: Op/Post/Closed	A - Open	92B: Dive Insp. N 0	
- ·	or above legal loads	92C: Special Insp. N 0	
70.01: Date		92D: UBIT Insp. N 0	
70.02: Sign Type	450	92E: Drone Insp. N 0	
734: Percent Legal (%)	150		
704: Analysis Date 63: Analysis Method	08/29/2017 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.	Inspector Nelson,Tanner	

Inspector: Tanner Nelson Structure Number: 4829603

Inspection Date: 05/24/2022 Facility Carried: I80 OH TPK EB

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	3 - Mod.	5957	sq. ft.	5629	328	0	0
1130 - Cracking (RC and Other)		328		0	328	0	0
805 - Wearing Surface - Monolithic Concrete		5526	sq. ft.	5470	56	0	0
107 - Steel Open Girder/Beam	3 - Mod.	888	ft.	730	148	10	0
1000 - Corrosion		158		0	148	10	0
515 - Steel Protective Coating		888	sq. ft.	0	444	133	311
	Inspected pr	ior to Pain	t SE Ca	alculations	Quantified	d usina Lin	eal Feet

3440 - Effectiveness (Steel Protective Coatings) 205 - Reinforced Concrete Column 3 - Mod. each 215 - Reinforced Concrete Abutment 3 - Mod. ft. 1080 - Delamination/Spall/Patched Area 1130 - Cracking (RC and Other) 234 - Reinforced Concrete Pier Cap 3 - Mod. ft. 1130 - Cracking (RC and Other) 300 - Strip Seal Expansion Joint 3 - Mod. ft. 2360 - Adjacent Deck or Header 311 - Movable Bearing 3 - Mod. each 1000 - Corrosion 2240 - Loss Bearing Area 321 - Reinforced Concrete Approach Slab 3 - Mod. sq. ft. 1080 - Delamination/Spall/Patched Area 1130 - Cracking (RC and Other) 331 - Reinforced Concrete Bridge Railing 3 - Mod. ft. 1080 - Delamination/Spall/Patched Area 1130 - Cracking (RC and Other) 830 - Abutment Backwall 3 - Mod. ft.

LUC-0080K-1010R_(4829603)

Major Maint: 31 - State Toll Authority

Facility Carried: 180 OH TPK EB

SWAN CREEK

Traffic On: 1 - Highway Traffic Under: 5 - Waterway Rehab Date: Insp. 31 - State Toll Authority Resp A:

07/01/1954

01/01/1987

FIPS Code: 74123 - SPRINGFIELD TWP (LUC county)

Routine Maint: 31 - State Toll Authority

Feature Inters:

Location: OHIO TURNPIKE

1.1MI WEST OF EXIT 59

Insp Resp B:

Date Built:

Inspector Nelson, Tanner Inspection Date 05/24/2022

Reviewer Hayes, Edmund

Inspector Comments - Deck and Approach

Deck

The deck was raised to an 8 due to only a minimal amount of racking on the underside not exceeding 10% by area.

Approach

Inspector Comments - General Appraisal

Superstructure

The superstructure was rated a 7 due to areas of corrosion in the bottom flanges of the fascia girders. One bearing deflects as well.

Substructure

The substructure was rated a 7 due to cracking throughout pier caps and abutment walls.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Channel is rated a 7 for minor debris in the channel.

Ohio Bridge Inspection Summary Report

LUC-0080K-1010L (4829611)

2: DistrictDistr 74123 - SPF ict 02	RINGFIELD TWP (LUC county)	5A: Inventory Route 1	0080K				
	I - State Toll Authority /	7: Facility On I80 OH TP	PK WB				
225 Routine Main A/B 31	I - State Toll Authority /	6: Feature Ints SWAN CR					
221 Inspection A/B 31	I - State Toll Authority /		ST OF EXIT 59				
220: Inv. Location OHIO	TURNPIKE	Lat, Lon 41.592092	.518329 ,-83.6900404703667				
	Condition	Structure Type					
58: Deck	8 - Very Good Condition	43: Bridge Type 4 - St	eel continuous				
58.01 Wearing Surface	7 - Good (1% distress)	02 - \$	Stringer/Multi-beam or Girder				
58.02 Joint	7- Good (no leaking)	N- Not Applicable					
59: Superstructure	7 - Good Condition	45: Spans Main / Approa	ach 3 / 0				
59.01 Paint & PCS	5 - Fair (10-15% corr.)	107: Deck Type 1 - Concrete Cast-in-Place					
60: Substructure	7 - Good Condition	408: Composite Deck N - Non-composite Constr					
61: Channel	7	414A Joint Type 1	8 - Elastomeric Strip Seal				
61.01 Scour	6 - Satisfactory	414B: Joint Type 2	N - None				
62: Culverts	N - Not Applicable	108A: Wearing Surface	Monolithic Concrete (concurrently placed with structural deck)				
67.01 GA	7		N- Not Applicable				
	Appraisal	422: WS Date					
Sufficiency Rating	90.8 SD/FO 0 - ND	423: WS Thick (in)	1.2				
36: Rail, Tr, Gd, Term Std	1 1 1 1	482: Protective Coating	1 - Red Lead				
72: Approach Alignment	8 - Equal to present desirable criteria	483: PCS Date	01/01/1983				
113: Scour Critical	8 - Stable for scour conditions	453: Bearing Type 1	A - Sliding (Other)				
71: Waterway Adequacy	8 - Bridge Above Approaches	455: Bearing Type 2	N - None				
	Geometric	528: Foundn: Abut Fwd	1 - Steel H Piles (Other size) 1 - Steel H Piles (Other Size)				
48: Max Span Length (ft)	55.0	536: Foundn: Pier 1	1 - Steel H Piles (Other size)				
49: Structure Length (ft)	148.0	539: Foundn: Pier 2	N - None (Such as most Culverts)				
52: Deck Width, Out-To-Ou		·	· · · · · · · · · · · · · · · · · · ·				
424: Deck Area (sf)	5964.4	Age	e and Service				
32: Appr Roadway Width (f		27: Year Built/ 106 Reha	ab 1954 / 1987				
51: Road Width, Curb-Curk	•	42A: Service On	1 - Highway				
50A: Curb/SW Width: Left (42B: Service Under	5 - Waterway				
50A: Curb/SW Width: Righ		28A: Lanes on	02				
34: Skew (deg)	30	28B: Lanes Under	00				
33: Bridge Median	0 - No median	19: Bypass Length	1				
54B: Min Vert Undercleara		29: ADT	12212				
336A: Min Vert Clrnce IR C		109: % Trucks (%)	43				
336B: Min V Clr IR Non-Ca		ln o	nastiana				
578: Culvert Length (ft)	0	ins	pections				
	Load Posting	90: Routine Insp.	Months 24 05/24/2022				
41: Op/Post/Closed	A - Open	92A: FCM Insp. N	0				
70: Posting 5 - Equal to	-	92B: Dive Insp. N	0				
70.01: Date	· · · · · · · · · · · · · · ·	92C: Special Insp. N	0				
70.02: Sign Type		92D: UBIT Insp. N	0				
734: Percent Legal (%)	150	92E: Drone Insp. N	0				
704: Analysis Date	08/29/2017	Inspector Nelson,Tan	ner				
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.	,					

Inspector: Tanner Nelson Structure Number: 4829611

Inspection Date: 05/24/2022 Facility Carried: I80 OH TPK WB

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	3 - Mod.	5957	sq. ft.	5659	298	0	0
1130 - Cracking (RC and Other)		298		0	298	0	0
805 - Wearing Surface - Monolithic Concrete		5526	sq. ft.	5526	0	0	0
107 - Steel Open Girder/Beam	3 - Mod.	888	ft.	688	200	0	0
1000 - Corrosion		200		0	200	0	0
515 - Steel Protective Coating		888	sq. ft.	0	444	133	311
	Inspected prior to Paint SF Calculations, Quantified using Lineal Feet						

3440 - Effectiveness (Steel Protective Coatings) 205 - Reinforced Concrete Column 3 - Mod. each 215 - Reinforced Concrete Abutment 3 - Mod. ft. 1130 - Cracking (RC and Other) 234 - Reinforced Concrete Pier Cap 3 - Mod. ft. 1130 - Cracking (RC and Other) 300 - Strip Seal Expansion Joint 3 - Mod. ft. 2370 - Metal Deterioration or Damage 311 - Movable Bearing 3 - Mod. each 1000 - Corrosion 1020 - Connection 2240 - Loss Bearing Area 321 - Reinforced Concrete Approach Slab 3 - Mod. sq. ft. 331 - Reinforced Concrete Bridge Railing 3 - Mod. ft. 1130 - Cracking (RC and Other) 830 - Abutment Backwall 3 - Mod. ft.

LUC-0080K-1010L_(4829611)

Major Maint: 31 - State Toll Authority

Facility Carried: I80 OH TPK WB

Traffic On: 1 - Highway Traffic Under: 5 - Waterway Rehab Date: Insp. 31 - State Toll Authority

07/01/1954

01/01/1987

FIPS Code: 74123 - SPRINGFIELD TWP (LUC county)

Routine Maint: 31 - State Toll Authority

Feature Inters: SWAN CREEK Location: OHIO TURNPIKE

1.1MI WEST OF EXIT 59

Resp A: Insp Resp B:

Date Built:

Inspector

Nelson, Tanner

Inspection Date 05/24/2022

Reviewer Hayes, Edmund

Inspector Comments - Deck and Approach

Deck

The deck was raised to an 8 as only a minimal amount of cracking was observed in the deck underside, not exceeding 10% by area.

Approach

Inspector Comments - General Appraisal

Superstructure

The superstructure was rated a 7 due to areas of rust and a deflecting bearing.

Substructure

The substructure was rated a 7 due to cracking throughout pier caps and abutment walls.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel