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

Aimee W. Lane, Esq.,
Director of Contracts Administration

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 purchasing@ohioturnpike.org 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.

END OF ADDENDUM NO. 1

Ohio Bridge Inspection Summary Report

LUC-0080K-0763R_(4829492)

2: District	District 02	74123 - SPRINGFIELD TWP (LUC county)	
5A: Inventory Route	1	0080K	
21: Major Maint A/B	31 - State Toll Authority	/	
225 Routine Main A/B	31 - State Toll Authority	/	
221 Inspection A/B	31 - State Toll Authority	/	
220: Inv. Location	OHIO TURNPIKE		
7: Facility On	I80 OH TPK EB		
6: Feature Ints	ALBON RD		
9: Location	3.5MI WEST OF EXIT 59		
Lat, Lon	41.5906238334074	,-83.737712393118	

Condition

58: Deck	**7 - Good Condition**
58.01 Wearing Surface	7 - Good (1% distress)
58.02 Joint	4- Poor (heavy leaking, offset)
59: Superstructure	**7 - Good Condition**
59.01 Paint & PCS	8 - Very Good (up to 1% corr.)
60: Substructure	**7 - Good Condition**
61: Channel	**N**
61.01 Scour	**N - Not Applicable**
62: Culverts	**N - Not Applicable**
67.01 GA	**7**

Appraisal

Sufficiency Rating	90.8	SD/FO	0 - ND	
36: Rail, Tr, Gd, Term Std	1	1	1	1
72: Approach Alignment	8 - Equal to present desirable criteria			
113: Scour Critical	N - Not over waterway			
71: Waterway Adequacy	N - Not Applicable			

Geometric

48: Max Span Length (ft)	58.0
49: Structure Length (ft)	125.0
52: Deck Width, Out-To-Out (ft)	40.3
424: Deck Area (sf)	5037.5
32: Appr Roadway Width (ft)	44.0
51: Road Width, Curb-Curb (ft)	37.3
50A: Curb/SW Width: Left (ft)	0
50A: Curb/SW Width: Right (ft)	0
34: Skew (deg)	8
33: Bridge Median	0 - No median
54B: Min Vert Underclearance (ft)	14.75
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 loading.

Structure Type

43: Bridge Type	4 - Steel continuous
	02 - Stringer/Multi-beam or Girder
	N- Not Applicable
45: Spans Main / Approach	3 / 0
107: Deck Type	1 - Concrete Cast-in-Place
408: Composite Deck	N - Non-composite Construction
414A Joint Type 1	8 - Elastomeric Strip Seal
414B: Joint Type 2	N - None
108A: Wearing Surface	1 - Monolithic Concrete (concurrently placed with structural deck)
	N- Not Applicable
422: WS Date	
423: WS Thick (in)	1.0
482: Protective Coating	1 - Red Lead
483: PCS Date	01/01/1988
453: Bearing Type 1	A - Sliding (Other)
455: Bearing Type 2	N - None
528: Foundn: Abut Fwd	1 - Steel H Piles (Other size)
533: Foundn: Abut Rear	1 - Steel H Piles (Other Size)
536: Foundn: Pier 1	1 - Steel H Piles (Other size)
539: Foundn: Pier 2	N - None (Such as most Culverts)

Age and Service

27: Year Built/ 106 Rehab	1954 / 1987
42A: Service On	1 - Highway
42B: Service Under	1 - Highway, with or w/out pedestrian
28A: Lanes on	02
28B: Lanes Under	02
19: Bypass Length	1
29: ADT	12212
109: % Trucks (%)	43

Inspections

		Months	
90: Routine Insp.		24	05/18/2022
92A: FCM Insp.	N	0	
92B: Dive Insp.	N	0	
92C: Special Insp.	N	0	
92D: UBIT Insp.	N	0	
92E: Drone Insp.	N	0	

Inspector Hayes,Edmund

Inspector: Edmund Hayes **Structure Number:** 4829492

Inspection Date: 05/18/2022 **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.	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						
3440 - Effectiveness (Steel Protective Coatings)		18		0	18	0	0
205 - Reinforced Concrete Column	3 - Mod.	8	each	8	0	0	0
215 - Reinforced Concrete Abutment	3 - Mod.	82	ft.	51	20	11	0
1080 - Delamination/Spall/Patched Area		3		0	0	3	0
1120 - Effloresecence/Rust Staining		0		0	0	0	0
1130 - Cracking (RC and Other)		28		0	20	8	0
234 - Reinforced Concrete Pier Cap	3 - Mod.	82	ft.	21	61	0	0
1130 - Cracking (RC and Other)		61		0	61	0	0
300 - Strip Seal Expansion Joint	3 - Mod.	80	ft.	0	29	46	5
2310 - Leakage		60		0	10	46	4
2350 - Debris Impaction		8		0	8	0	0
2370 - Metal Deterioration or Damage		12		0	11	0	1
311 - Movable Bearing	3 - Mod.	24	each	12	0	7	5
1000 - Corrosion		7		0	0	7	0
2240 - Loss Bearing Area		5		0	0	0	5
515 - Steel Protective Coating		24	sq. ft.	12	0	12	0
3440 - Effectiveness (Steel Protective Coatings)		12		0	0	12	0
321 - Reinforced Concrete Approach Slab	3 - Mod.	1320	sq. ft.	816	500	4	0
1080 - Delamination/Spall/Patched Area		4		0	0	4	0
1190 - Abrasion/Wear (PSC/RC)		500		0	500	0	0
331 - Reinforced Concrete Bridge Railing	3 - Mod.	250	ft.	0	189	61	0
1080 - Delamination/Spall/Patched Area		10		0	0	10	0
1120 - Effloresecence/Rust Staining		0		0	0	0	0
1130 - Cracking (RC and Other)		101		0	50	51	0
1190 - Abrasion/Wear (PSC/RC)		139		0	139	0	0
830 - Abutment Backwall	3 - Mod.	82	ft.	50	31	1	0

LUC-0080K-0763R_(4829492)

ODOT District:	District 02					Date Built:	07/01/1954
Major Maint:	31 - State Toll Authority	Facility Carried:	I80 OH TPK EB	Traffic On:	1 - Highway	Rehab Date:	01/01/1987
Routine Maint:	31 - State Toll Authority	Feature Inters:	ALBON RD	Traffic Under:	1 - Highway, with or w/out pedestrian	Insp. Resp A:	31 - State Toll Authority
FIPS Code:	74123 - SPRINGFIELD TWP (LUC county)	Location:	OHIO TURNPIKE 3.5MI WEST OF EXIT 59			Insp Resp B:	
Inspector	Hayes,Edmund	Inspection Date	05/18/2022	Reviewer	Hayes,Edmund		

Inspector Comments - Deck and Approach

Deck

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

Approach

Inspector Comments - General Appraisal

Superstructure

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

Substructure

Substucture is rated a 7 to cracks on most elements.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical

Ohio Bridge Inspection Summary Report

LUC-0080K-0763L_(4829506)

2: District	District 02	74123 - SPRINGFIELD TWP (LUC county)	
5A: Inventory Route	1	0080K	
21: Major Maint A/B	31 - State Toll Authority	/	
225 Routine Main A/B	31 - State Toll Authority	/	
221 Inspection A/B	31 - State Toll Authority	/	
220: Inv. Location	OHIO TURNPIKE		
7: Facility On	I80 OH TPK WB		
6: Feature Ints	ALBON RD		
9: Location	3.5MI WEST OF EXIT 59		
Lat, Lon	41.5908475067219	,-83.7377083698044	

Condition

58: Deck	**7 - Good Condition**
58.01 Wearing Surface	7 - Good (1% distress)
58.02 Joint	4- Poor (heavy leaking, offset)
59: Superstructure	**7 - Good Condition**
59.01 Paint & PCS	8 - Very Good (up to 1% corr.)
60: Substructure	**7 - Good Condition**
61: Channel	**N**
61.01 Scour	**N - Not Applicable**
62: Culverts	**N - Not Applicable**
67.01 GA	**7**

Appraisal

Sufficiency Rating	89.8	SD/FO 0 - ND		
36: Rail, Tr, Gd, Term Std	1	1	1	1
72: Approach Alignment	8 - Equal to present desirable criteria			
113: Scour Critical	N - Not over waterway			
71: Waterway Adequacy	N - Not Applicable			

Geometric

48: Max Span Length (ft)	58.0
49: Structure Length (ft)	125.0
52: Deck Width, Out-To-Out (ft)	40.3
424: Deck Area (sf)	5037.5
32: Appr Roadway Width (ft)	44.0
51: Road Width, Curb-Curb (ft)	37.3
50A: Curb/SW Width: Left (ft)	0
50A: Curb/SW Width: Right (ft)	0
34: Skew (deg)	8
33: Bridge Median	0 - No median
54B: Min Vert Underclearance (ft)	14.25
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 loading.

Structure Type

43: Bridge Type	4 - Steel continuous
	02 - Stringer/Multi-beam or Girder
	N- Not Applicable
45: Spans Main / Approach	3 / 0
107: Deck Type	1 - Concrete Cast-in-Place
408: Composite Deck	N - Non-composite Construction
414A Joint Type 1	8 - Elastomeric Strip Seal
414B: Joint Type 2	N - None
108A: Wearing Surface	1 - Monolithic Concrete (concurrently placed with structural deck)
	N- Not Applicable
422: WS Date	
423: WS Thick (in)	1.0
482: Protective Coating	1 - Red Lead
483: PCS Date	01/01/1988
453: Bearing Type 1	A - Sliding (Other)
455: Bearing Type 2	N - None
528: Foundn: Abut Fwd	1 - Steel H Piles (Other size)
533: Foundn: Abut Rear	1 - Steel H Piles (Other Size)
536: Foundn: Pier 1	1 - Steel H Piles (Other size)
539: Foundn: Pier 2	N - None (Such as most Culverts)

Age and Service

27: Year Built/ 106 Rehab	1954 / 1987
42A: Service On	1 - Highway
42B: Service Under	1 - Highway, with or w/out pedestrian
28A: Lanes on	02
28B: Lanes Under	02
19: Bypass Length	1
29: ADT	12212
109: % Trucks (%)	43

Inspections

		Months	
90: Routine Insp.		24	05/17/2022
92A: FCM Insp.	N	0	
92B: Dive Insp.	N	0	
92C: Special Insp.	N	0	
92D: UBIT Insp.	N	0	
92E: Drone Insp.	N	0	

Inspector Hayes,Edmund

Inspector: Edmund Hayes

Structure Number: 4829506

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 prior to Paint SF Calculations, Quantified using Lineal Feet						
3440 - Effectiveness (Steel Protective Coatings)		18		0	18	0	0
205 - Reinforced Concrete Column	3 - Mod.	8	each	8	0	0	0
215 - Reinforced Concrete Abutment	3 - Mod.	82	ft.	55	25	2	0
1120 - Efflorescence/Rust Staining		2		0	0	2	0
1130 - Cracking (RC and Other)		25		0	25	0	0
234 - Reinforced Concrete Pier Cap	3 - Mod.	82	ft.	32	50	0	0
1130 - Cracking (RC and Other)		50		0	50	0	0
300 - Strip Seal Expansion Joint	3 - Mod.	88	ft.	0	67	21	0
2310 - Leakage		41		0	20	21	0
2350 - Debris Impaction		23		0	23	0	0
2370 - Metal Deterioration or Damage		24		0	24	0	0
311 - Movable Bearing	3 - Mod.	24	each	16	3	2	3
1000 - Corrosion		4		0	3	1	0
2240 - Loss Bearing Area		4		0	0	1	3
515 - Steel Protective Coating		24	sq. ft.	12	0	11	1
3440 - Effectiveness (Steel Protective Coatings)		12		0	0	11	1
321 - Reinforced Concrete Approach Slab	3 - Mod.	1320	sq. ft.	808	511	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)		500		0	500	0	0
331 - Reinforced Concrete Bridge Railing	3 - Mod.	250	ft.	234	16	0	0
1080 - Delamination/Spall/Patched Area		6		0	6	0	0
1130 - Cracking (RC and Other)		0		0	0	0	0
1190 - Abrasion/Wear (PSC/RC)		10		0	10	0	0
830 - Abutment Backwall	3 - Mod.	82	ft.	69	13	0	0

LUC-0080K-0763L_(4829506)

ODOT District:	District 02					Date Built:	07/01/1954
Major Maint:	31 - State Toll Authority	Facility Carried:	I80 OH TPK WB	Traffic On:	1 - Highway	Rehab Date:	01/01/1987
Routine Maint:	31 - State Toll Authority	Feature Inters:	ALBON RD	Traffic Under:	1 - Highway, with or w/out pedestrian	Insp. Resp A:	31 - State Toll Authority
FIPS Code:	74123 - SPRINGFIELD TWP (LUC county)	Location:	OHIO TURNPIKE 3.5MI WEST OF EXIT 59			Insp Resp B:	
Inspector	Hayes,Edmund	Inspection Date	05/17/2022	Reviewer	Hayes,Edmund		

Inspector Comments - Deck and Approach

Deck

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

Approach

Inspector Comments - General Appraisal

Superstructure

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

Substructure

Substructure is rated a 7 for cracking on most elements.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical

Ohio Bridge Inspection Summary Report — LUC-0080K-0788R_(4829522)

2: District	District 02	74123 - SPRINGFIELD TWP (LUC county)	
5A: Inventory Route	1	0080K	
21: Major Maint A/B	31 - State Toll Authority	/	
225 Routine Main A/B	31 - State Toll Authority	/	
221 Inspection A/B	31 - State Toll Authority	/	
220: Inv. Location	OHIO TURNPIKE		
7: Facility On	I80 OH TPK EB		
6: Feature Ints	CONRAIL RR (ABD)		
9: Location	3.3MI WEST OF EXIT 59		
Lat, Lon	41.5911418200506	,-83.7328691139844	

Condition

58: Deck	**8 - Very Good Condition**
58.01 Wearing Surface	7 - Good (1% distress)
58.02 Joint	7- Good (no leaking)
59: Superstructure	**6 - Satisfactory Condition**
59.01 Paint & PCS	3 - Serious PCS (20-30% corr.)
60: Substructure	**6 - Satisfactory Condition**
61: Channel	**N**
61.01 Scour	**N - Not Applicable**
62: Culverts	**N - Not Applicable**
67.01 GA	**6**

Appraisal

Sufficiency Rating	89.8	SD/FO	0 - ND	
36: Rail, Tr, Gd, Term Std	1	1	1	1
72: Approach Alignment	8 - Equal to present desirable criteria			
113: Scour Critical	N - Not over waterway			
71: Waterway Adequacy	N - Not Applicable			

Geometric

48: Max Span Length (ft)	33.0
49: Structure Length (ft)	98.0
52: Deck Width, Out-To-Out (ft)	40.3
424: Deck Area (sf)	3949.4
32: Appr Roadway Width (ft)	44.0
51: Road Width, Curb-Curb (ft)	37.3
50A: Curb/SW Width: Left (ft)	0
50A: Curb/SW Width: Right (ft)	0
34: Skew (deg)	8
33: Bridge Median	0 - No median
54B: Min Vert Underclearance (ft)	23.08
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	08/08/2017
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

Structure Type

43: Bridge Type	4 - Steel continuous 02 - Stringer/Multi-beam or Girder N- Not Applicable
45: Spans Main / Approach	3 / 0
107: Deck Type	1 - Concrete Cast-in-Place
408: Composite Deck	N - Non-composite Construction
414A Joint Type 1	8 - Elastomeric Strip Seal
414B: Joint Type 2	N - None
108A: Wearing Surface	1 - Monolithic Concrete (concurrently placed with structural deck) N- Not Applicable
422: WS Date	
423: WS Thick (in)	1.0
482: Protective Coating	1 - Red Lead
483: PCS Date	01/01/1988
453: Bearing Type 1	A - Sliding (Other)
455: Bearing Type 2	N - None
528: Foundn: Abut Fwd	2 - Cast-in-Place Reinforced Concrete Piles (Other diameter)
533: Foundn: Abut Rear	2 - Cast-in-Place reinforced Concrete Piles (Other diameter)
536: Foundn: Pier 1	2 - Cast-in-Place Reinforced Concrete Piles (Other diameter)
539: Foundn: Pier 2	N - None (Such as most Culverts)

Age and Service

27: Year Built/ 106 Rehab	1954 / 1987
42A: Service On	1 - Highway
42B: Service Under	2 - Railroad
28A: Lanes on	02
28B: Lanes Under	00
19: Bypass Length	1
29: ADT	12212
109: % Trucks (%)	43

Inspections

		Months	
90: Routine Insp.		12	05/17/2022
92A: FCM Insp.	N	0	
92B: Dive Insp.	N	0	
92C: Special Insp.	N	0	
92D: UBIT Insp.	N	0	
92E: Drone Insp.	N	0	

Inspector Hayes,Edmund

Inspector: Edmund Hayes

Structure Number: 4829522

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 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)

ODOT District:	District 02			Date Built:	07/01/1954
Major Maint:	31 - State Toll Authority	Facility Carried:	I80 OH TPK EB	Traffic On:	1 - Highway
Routine Maint:	31 - State Toll Authority	Feature Inters:	CONRAIL RR (ABD)	Traffic Under:	2 - Railroad
FIPS Code:	74123 - SPRINGFIELD TWP (LUC county)	Location:	OHIO TURNPIKE	3.3MI WEST OF EXIT 59	
Inspector	Hayes,Edmund	Inspection Date	05/17/2022	Reviewer	Hayes,Edmund

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

Inspector Comments - Deck and Approach

Deck

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

Approach

Inspector Comments - General Appraisal

Superstructure

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

Scour Critical

Ohio Bridge Inspection Summary Report

LUC-0080K-0788L (4829530)

2: District	District 02	74123 - SPRINGFIELD TWP (LUC county)	
5A: Inventory Route	1	0080K	
21: Major Maint A/B	31 - State Toll Authority	/	
225 Routine Main A/B	31 - State Toll Authority	/	
221 Inspection A/B	31 - State Toll Authority	/	
220: Inv. Location	OHIO TURNPIKE		
7: Facility On	I80 OH TPK WB		
6: Feature Ints	CONRAIL RR (ABD)		
9: Location	3.3MI WEST OF EXIT 59		
Lat, Lon	41.5913654915703	,-83.7328691139844	

Condition

58: Deck	**8 - Very Good Condition**
58.01 Wearing Surface	7 - Good (1% distress)
58.02 Joint	6- Satisfactory (isolated leaking)
59: Superstructure	**6 - Satisfactory Condition**
59.01 Paint & PCS	2 - Critical PCS (30-40% corr.)
60: Substructure	**7 - Good Condition**
61: Channel	**N**
61.01 Scour	**N - Not Applicable**
62: Culverts	**N - Not Applicable**
67.01 GA	**6**

Appraisal

Sufficiency Rating	89.8	SD/FO	0 - ND	
36: Rail, Tr, Gd, Term Std	1	1	1	1
72: Approach Alignment	8 - Equal to present desirable criteria			
113: Scour Critical	N - Not over waterway			
71: Waterway Adequacy	N - Not Applicable			

Geometric

48: Max Span Length (ft)	33.0
49: Structure Length (ft)	98.0
52: Deck Width, Out-To-Out (ft)	40.3
424: Deck Area (sf)	3949.4
32: Appr Roadway Width (ft)	44.0
51: Road Width, Curb-Curb (ft)	37.3
50A: Curb/SW Width: Left (ft)	0
50A: Curb/SW Width: Right (ft)	0
34: Skew (deg)	8
33: Bridge Median	0 - No median
54B: Min Vert Underclearance (ft)	32
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	08/08/2017
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

Structure Type

43: Bridge Type	4 - Steel continuous 02 - Stringer/Multi-beam or Girder N- Not Applicable
45: Spans Main / Approach	3 / 0
107: Deck Type	1 - Concrete Cast-in-Place
408: Composite Deck	N - Non-composite Construction
414A Joint Type 1	8 - Elastomeric Strip Seal
414B: Joint Type 2	N - None
108A: Wearing Surface	1 - Monolithic Concrete (concurrently placed with structural deck) N- Not Applicable
422: WS Date	
423: WS Thick (in)	1.0
482: Protective Coating	1 - Red Lead
483: PCS Date	01/01/1988
453: Bearing Type 1	A - Sliding (Other)
455: Bearing Type 2	N - None
528: Foundn: Abut Fwd	2 - Cast-in-Place Reinforced Concrete Piles (Other diameter)
533: Foundn: Abut Rear	2 - Cast-in-Place reinforced Concrete Piles (Other diameter)
536: Foundn: Pier 1	2 - Cast-in-Place Reinforced Concrete Piles (Other diameter)
539: Foundn: Pier 2	N - None (Such as most Culverts)

Age and Service

27: Year Built/ 106 Rehab	1954 / 1987
42A: Service On	1 - Highway
42B: Service Under	2 - Railroad
28A: Lanes on	02
28B: Lanes Under	00
19: Bypass Length	1
29: ADT	12212
109: % Trucks (%)	43

Inspections

		Months	
90: Routine Insp.		12	05/17/2022
92A: FCM Insp.	N	0	
92B: Dive Insp.	N	0	
92C: Special Insp.	N	0	
92D: UBIT Insp.	N	0	
92E: Drone Insp.	N	0	

Inspector Hayes,Edmund

Inspector: Edmund Hayes

Structure Number: 4829530

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)

ODOT District:	District 02			Date Built:	07/01/1954
Major Maint:	31 - State Toll Authority	Facility Carried:	I80 OH TPK WB	Traffic On: 1 - Highway	Rehab Date: 01/01/1987
Routine Maint:	31 - State Toll Authority	Feature Inters:	CONRAIL RR (ABD)	Traffic Under: 2 - Railroad	Insp. Resp A: 31 - State Toll Authority
FIPS Code:	74123 - SPRINGFIELD TWP (LUC county)	Location:	OHIO TURNPIKE	3.3MI WEST OF EXIT 59	Insp Resp B:
Inspector	Hayes,Edmund	Inspection Date	05/17/2022	Reviewer Hayes,Edmund	

Inspector Comments - Deck and Approach

Deck

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

Approach

Inspector Comments - General Appraisal

Superstructure

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

Scour Critical

Ohio Bridge Inspection Summary Report

LUC-0080K-1010R_(4829603)

2: District	District 02	74123 - SPRINGFIELD TWP (LUC county)	
5A: Inventory Route	1	0080K	
21: Major Maint A/B	31 - State Toll Authority	/	
225 Routine Main A/B	31 - State Toll Authority	/	
221 Inspection A/B	31 - State Toll Authority	/	
220: Inv. Location	OHIO TURNPIKE		
7: Facility On	I80 OH TPK EB		
6: Feature Ints	SWAN CREEK		
9: Location	1.1MI WEST OF EXIT 59		
Lat, Lon	41.5918744	,-83.6902407	

Condition

58: Deck	**8 - Very Good Condition**
58.01 Wearing Surface	7 - Good (1% distress)
58.02 Joint	7- Good (no leaking)
59: Superstructure	**7 - Good Condition**
59.01 Paint & PCS	5 - Fair (10-15% corr.)
60: Substructure	**7 - Good Condition**
61: Channel	**7**
61.01 Scour	**6 - Satisfactory**
62: Culverts	**N - Not Applicable**
67.01 GA	**7**

Appraisal

Sufficiency Rating	90.8 SD/FO 0 - ND
36: Rail, Tr, Gd, Term Std	1 1 1 1
72: Approach Alignment	8 - Equal to present desirable criteria
113: Scour Critical	8 - Stable for scour conditions
71: Waterway Adequacy	8 - Bridge Above Approaches

Geometric

48: Max Span Length (ft)	55.0
49: Structure Length (ft)	148.0
52: Deck Width, Out-To-Out (ft)	40.3
424: Deck Area (sf)	5964.4
32: Appr Roadway Width (ft)	44.0
51: Road Width, Curb-Curb (ft)	37.3
50A: Curb/SW Width: Left (ft)	0
50A: Curb/SW Width: Right (ft)	0
34: Skew (deg)	30
33: Bridge Median	0 - No median
54B: Min Vert Underclearance (ft)	0
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	08/29/2017
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

Structure Type

43: Bridge Type	4 - Steel continuous 02 - Stringer/Multi-beam or Girder N- Not Applicable
45: Spans Main / Approach	3 / 0
107: Deck Type	1 - Concrete Cast-in-Place
408: Composite Deck	N - Non-composite Construction
414A Joint Type 1	8 - Elastomeric Strip Seal
414B: Joint Type 2	N - None
108A: Wearing Surface	1 - Monolithic Concrete (concurrently placed with structural deck) N- Not Applicable
422: WS Date	
423: WS Thick (in)	1.2
482: Protective Coating	1 - Red Lead
483: PCS Date	01/01/1983
453: Bearing Type 1	A - Sliding (Other)
455: Bearing Type 2	N - None
528: Foundn: Abut Fwd	1 - Steel H Piles (Other size)
533: Foundn: Abut Rear	1 - Steel H Piles (Other Size)
536: Foundn: Pier 1	1 - Steel H Piles (Other size)
539: Foundn: Pier 2	N - None (Such as most Culverts)

Age and Service

27: Year Built/ 106 Rehab	1954 / 1987
42A: Service On	1 - Highway
42B: Service Under	5 - Waterway
28A: Lanes on	02
28B: Lanes Under	00
19: Bypass Length	1
29: ADT	12212
109: % Trucks (%)	43

Inspections

		Months	
90: Routine Insp.		24	05/24/2022
92A: FCM Insp.	N	0	
92B: Dive Insp.	N	0	
92C: Special Insp.	N	0	
92D: UBIT Insp.	N	0	
92E: Drone Insp.	N	0	

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 prior to Paint SF Calculations, Quantified using Lineal Feet						
3440 - Effectiveness (Steel Protective Coatings)		888		0	444	133	311
205 - Reinforced Concrete Column	3 - Mod.	8	each	8	0	0	0
215 - Reinforced Concrete Abutment	3 - Mod.	93	ft.	75	18	0	0
1080 - Delamination/Spall/Patched Area		4		0	4	0	0
1130 - Cracking (RC and Other)		14		0	14	0	0
234 - Reinforced Concrete Pier Cap	3 - Mod.	93	ft.	43	50	0	0
1130 - Cracking (RC and Other)		50		0	50	0	0
300 - Strip Seal Expansion Joint	3 - Mod.	80	ft.	70	10	0	0
2360 - Adjacent Deck or Header		10		0	10	0	0
311 - Movable Bearing	3 - Mod.	24	each	8	6	9	1
1000 - Corrosion		15		0	6	9	0
2240 - Loss Bearing Area		1		0	0	0	1
321 - Reinforced Concrete Approach Slab	3 - Mod.	1320	sq. ft.	1255	65	0	0
1080 - Delamination/Spall/Patched Area		25		0	25	0	0
1130 - Cracking (RC and Other)		40		0	40	0	0
331 - Reinforced Concrete Bridge Railing	3 - Mod.	296	ft.	249	44	3	0
1080 - Delamination/Spall/Patched Area		3		0	0	3	0
1130 - Cracking (RC and Other)		44		0	44	0	0
830 - Abutment Backwall	3 - Mod.	93	ft.	88	5	0	0

LUC-0080K-1010R_(4829603)

ODOT District:	District 02					Date Built:	07/01/1954
Major Maint:	31 - State Toll Authority	Facility Carried:	I80 OH TPK EB	Traffic On:	1 - Highway	Rehab Date:	01/01/1987
Routine Maint:	31 - State Toll Authority	Feature Inters:	SWAN CREEK	Traffic Under:	5 - Waterway	Insp. Resp A:	31 - State Toll Authority
FIPS Code:	74123 - SPRINGFIELD TWP (LUC county)	Location:	OHIO TURNPIKE	1.1MI WEST OF EXIT 59		Insp Resp B:	
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.

Scour Critical

Ohio Bridge Inspection Summary Report — LUC-0080K-1010L (4829611)

2: District	District 02	74123 - SPRINGFIELD TWP (LUC county)	
5A: Inventory Route	1	0080K	
21: Major Maint A/B	31 - State Toll Authority	/	
225 Routine Main A/B	31 - State Toll Authority	/	
221 Inspection A/B	31 - State Toll Authority	/	
220: Inv. Location	OHIO TURNPIKE		
7: Facility On	I80 OH TPK WB		
6: Feature Ints	SWAN CREEK		
9: Location	1.1MI WEST OF EXIT 59		
Lat, Lon	41.592092518329	,-83.6900404703667	

Condition

58: Deck	**8 - Very Good Condition**
58.01 Wearing Surface	7 - Good (1% distress)
58.02 Joint	7- Good (no leaking)
59: Superstructure	**7 - Good Condition**
59.01 Paint & PCS	5 - Fair (10-15% corr.)
60: Substructure	**7 - Good Condition**
61: Channel	**7**
61.01 Scour	**6 - Satisfactory**
62: Culverts	**N - Not Applicable**
67.01 GA	**7**

Appraisal

Sufficiency Rating	90.8 SD/FO 0 - ND
36: Rail, Tr, Gd, Term Std	1 1 1 1
72: Approach Alignment	8 - Equal to present desirable criteria
113: Scour Critical	8 - Stable for scour conditions
71: Waterway Adequacy	8 - Bridge Above Approaches

Geometric

48: Max Span Length (ft)	55.0
49: Structure Length (ft)	148.0
52: Deck Width, Out-To-Out (ft)	40.3
424: Deck Area (sf)	5964.4
32: Appr Roadway Width (ft)	44.0
51: Road Width, Curb-Curb (ft)	37.3
50A: Curb/SW Width: Left (ft)	0
50A: Curb/SW Width: Right (ft)	0
34: Skew (deg)	30
33: Bridge Median	0 - No median
54B: Min Vert Underclearance (ft)	0
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	08/29/2017
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

Structure Type

43: Bridge Type	4 - Steel continuous 02 - Stringer/Multi-beam or Girder N- Not Applicable
45: Spans Main / Approach	3 / 0
107: Deck Type	1 - Concrete Cast-in-Place
408: Composite Deck	N - Non-composite Construction
414A Joint Type 1	8 - Elastomeric Strip Seal
414B: Joint Type 2	N - None
108A: Wearing Surface	1 - Monolithic Concrete (concurrently placed with structural deck) N- Not Applicable
422: WS Date	
423: WS Thick (in)	1.2
482: Protective Coating	1 - Red Lead
483: PCS Date	01/01/1983
453: Bearing Type 1	A - Sliding (Other)
455: Bearing Type 2	N - None
528: Foundn: Abut Fwd	1 - Steel H Piles (Other size)
533: Foundn: Abut Rear	1 - Steel H Piles (Other Size)
536: Foundn: Pier 1	1 - Steel H Piles (Other size)
539: Foundn: Pier 2	N - None (Such as most Culverts)

Age and Service

27: Year Built/ 106 Rehab	1954 / 1987
42A: Service On	1 - Highway
42B: Service Under	5 - Waterway
28A: Lanes on	02
28B: Lanes Under	00
19: Bypass Length	1
29: ADT	12212
109: % Trucks (%)	43

Inspections

		Months	
90: Routine Insp.		24	05/24/2022
92A: FCM Insp.	N	0	
92B: Dive Insp.	N	0	
92C: Special Insp.	N	0	
92D: UBIT Insp.	N	0	
92E: Drone Insp.	N	0	

Inspector Nelson,Tanner

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)		888		0	444	133	311
205 - Reinforced Concrete Column	3 - Mod.	8	each	8	0	0	0
215 - Reinforced Concrete Abutment	3 - Mod.	93	ft.	78	15	0	0
1130 - Cracking (RC and Other)		15		0	15	0	0
234 - Reinforced Concrete Pier Cap	3 - Mod.	93	ft.	28	65	0	0
1130 - Cracking (RC and Other)		65		0	65	0	0
300 - Strip Seal Expansion Joint	3 - Mod.	80	ft.	56	24	0	0
2370 - Metal Deterioration or Damage		24		0	24	0	0
311 - Movable Bearing	3 - Mod.	24	each	6	6	11	1
1000 - Corrosion		5		0	0	5	0
1020 - Connection		6		0	6	0	0
2240 - Loss Bearing Area		7		0	0	6	1
321 - Reinforced Concrete Approach Slab	3 - Mod.	2200	sq. ft.	2090	110	0	0
331 - Reinforced Concrete Bridge Railing	3 - Mod.	296	ft.	281	15	0	0
1130 - Cracking (RC and Other)		15		0	15	0	0
830 - Abutment Backwall	3 - Mod.	93	ft.	88	5	0	0

LUC-0080K-1010L_(4829611)

ODOT District:	District 02					Date Built:	07/01/1954
Major Maint:	31 - State Toll Authority	Facility Carried:	I80 OH TPK WB	Traffic On:	1 - Highway	Rehab Date:	01/01/1987
Routine Maint:	31 - State Toll Authority	Feature Inters:	SWAN CREEK	Traffic Under:	5 - Waterway	Insp. Resp A:	31 - State Toll Authority
FIPS Code:	74123 - SPRINGFIELD TWP (LUC county)	Location:	OHIO TURNPIKE	1.1MI WEST OF EXIT 59		Insp Resp B:	
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

Scour Critical