

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Ohio [39]	Muskingum County [119]	Springfield [74125]	INTER OF PINKERTON ROAD	39-54-29.85 = 39.908292	082-04-06.17 = -82.068381
6038727	Highway agency district 5	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!	THOMPSON RUN ROAD	Toll On free road [3]	Features intersected	THOMPSON RUN	
Design - main	Steel [3]	Design - approach	Kilometerpoint	0 km = 0.0 mi	
1	Truss - Thru [10]	0	Year built	1952	Year reconstructed N/A [0000]
		Other [00]	Skew angle	11	Structure Flared
			Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length	17.1 m = 56.1 ft	Length of maximum span	16.5 m = 54.1 ft	Deck width, out-to-out	6 m = 19.7 ft
Inventory Route, Total Horizontal Clearance	6 m = 19.7 ft	Curb or sidewalk width - left	0.2 m = 0.7 ft	Curb or sidewalk width - right	0.2 m = 0.7 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Bituminous [6]				
Deck protection	Unknown [8]				
Type of membrane/wearing surface	Unknown [8]				

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	15.2 metric ton = 16.7 tons
0.3 km = 0.2 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	25.3 metric ton = 27.8 tons
	Bridge posting	20.0 - 29.9 % below [2]	Design Load	MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	636	Average daily truck traffi	0	%	Year	2011	Future average daily traffic	555	Year	2035
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	4.9 m = 16.1 ft			
Type of service on bridge	Highway [1]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Waterway [5]		Lanes under structure	0		Navigation control				
Navigation vertical clearanc	0 = N/A		Navigation horizontal clearance	0 = N/A						
Minimum navigation vertical clearance, vertical lift bridge						Minimum vertical clearance over bridge roadway	99.99 m = 328.1 ft			
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	0 = N/A					Minimum lateral underclearance on left	0 = N/A			
Minimum Vertical Underclearance	0 = N/A		Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]						
Appraisal ratings - underclearances	N/A [N]									

Repair and Replacement Plans

Type of work to be performed	Work done by									
	Bridge improvement cost		Roadway improvement cost							
	Length of structure improvement		Total project cost							
	Year of improvement cost estimate									
	Border bridge - state		Border bridge - percent responsibility of other state							
	Border bridge - structure number									

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
Channel and channel protection	Bank protection has failed. River control devices have been destroyed. Stream bed aggradation, degradation or lateral movement has changed the channel to now threaten the bridge and/or approach roadway. [3]		
Appraisal ratings - water adequacy	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	40.5
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail ends	Not applicable or a safety feature is not required. [N]		
Inspection date	October 2013 [1013]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	October 2013 [1013]
Other special inspection	Not needed [N]	Other special inspection date	

District: 05	County: MUSKINGUM	(101) Location: INTER OF PINKERTON ROAD	(102) Facility Carried: THOMPSON RUN ROAD
(2) FIPS Code: MUS-T-74125-SPRINGFIELD TWP		(103) Route On Bridge: TOWNSHIP	(104) Route Under Bridge: NON HIGHWAY TRAFFIC ON BRIDGE
(9) Direction of Traffic: 2-WAY TRAFFIC	(10) Temporary:	(11) Truck Network: N	(12) Parallel: N
		(100) Type Serv: (On): HIGHWAY	(Under): WATERWAY
Inventory Route Data			
(3) Route On/Under: ROUTE CARRIED "ON" THE STR	Hwy Sys: COUNTY HIGHWAY (TOWNS	(63) Main Spans Number: 1	Type: STEEL/TRUSS/PONY (TRUSS)
Route No: T0421	Dir: NOT APPLICABLE	Approach Spans Number: 0	Type: NONE/NONE/NONE
Des: MAINLINE	Pref: N	Total Spans: 1	(65) Max Span: 54 Ft
(4) Feature Intersected: THOMPSON RUN		(66) Overall Leng: 56 Ft	
(5) County: SPR	Mileage: S1930	(70) Substructure	(71) Foundation and Scour Information
(6) Avg. Daily Traffic(ADT): 636	(7) ADT Year: 2011	Abut-Rear	Matl: CONCRETE
(8) Truck Traf: 0	(14) NHS: NON-NHS BRIDG	Abut-Fwd	Matl: CONCRETE
(16) Functional Class: RURAL - LOCAL	(15) Corridor: N	Pier-Pred	Matl: NONE
	(19) Strahnt: NOT STRAHNET	Pier-Other	Matl: NONE
		Pier-Other	Matl: NONE
Intersected Route Data			
(22) Route On/Under:	Hwy Sys:	No of Piers Predominate:	Other:
Route No:	Dir:	Des:	Pref:
(23) Feature Intersected:		(86) Stream Velocity: 00000	(74) Scour: SCOUR WITHIN LIMITS OF FOOTING OR PILES.
(24) County:	Mileage: 0000	(189) Dive: N Freq: 0	Probe: Y Freq: 0
(25) Avg. Daily Traffic(ADT):	(26) ADT Year:	(189) Date of last Dive Insp:	(152) Drainage Area: 012 Sq Mi
(27) Truck Traf:	(28) NHS: -	(29) Corridor: N	
(30) Functional Class:	(36) Strahnt:		
Clearance On the Bridge			
(154) Min. Hriz on Bridge:	NC: 0.0	Card: 19.7 Ft	
(155) Prac Max Vert On Brq:	9999.9 Ft		
(67) Min Vrt Clr On Brq:	NC: 0.0	Card: 9999.9 Ft	
(80) Min Latl Clr:	NC: 0.0/0.0 Ft	Card: 2.0/1.0 Ft	
(81) Vrt Clr Lft:	0.0 Ft		
Clearance Under the Bridge			
(156) Min. Horiz Under Clear:	NC: 0.0 Ft	Card: 0.0 Ft	
(157) Prac Max Vrt Under Clear:	0.0 Ft		
(77) Min Vert Under Clear:	NC: 0.0 Ft	Card: 0.0 Ft	
(78) Min Lat Under Clear:	NC: 0.0/0.0 Ft	Card: 0.0/0.0 Ft	
Load Rating Information			
(48) Design Load: HS20		(88) Waterway Adequacy: 6	(89) Approach Alignment: 5
Opr Rat Fact: 0.780 LD:		Calc Gen Appraisal: 4	Calc Deck Geometry: 2
Inv Rat Fact: 0.470 LD:		Calc Underclearance: N	
(83) Ohio Percent of Legal Load: 75			
Year of Rating: 2011			
(84) Analysis: LOAD FACTOR (LF) RATING REPORTED BY RF U			
(85) Rate Soft: COMBINATION			
Analysis on Bars: NOT ON BARS [DEFAULT]			
PE#: 0 BLN			
Approach Information			
(109) Approach Guardrail: NONE		(111) Grade: POOR	
(110) Approach Pavement: BITUMINOUS			
Culvert Information			
(131) Culvert Type: NOT A CULVERT OR RIGID FRAME		(127) Length: 0.0 Ft	
(129) Depth of Fill: 0.0 Ft		(130) Headwalls: NONE OR NOT APPLICABLE (NOT A CU	
General Information			
(121) Main Member: NOT APPLICABLE (CULVERTS, TRUSSES, ARCHE		(122) Moment Plate: NO MOMENT PLATES	
(169) Expansion Joint: SLIDING METAL PLATE ANGLE			
(124) Bearing Devices: SLIDING (OTHER)			
(126) Navigation: Control-0	Vert Clr: 0.0 Ft	Horiz Clear: 0.0 Ft	
(193) Spec Insp: N	Freq: 0	Date:	
(188) Fracture Critical Insp: Y	Freq: 24	Date: 10/31/2013	
(138) Long Member: TWO TRUSSES (WELDED)		(135) Hinges: NOT APPLICABLE (STRUCTURES WITH NO	
(141) Structural Steel Memb: UNKNOWN		(139) Framing: NONE OR NOT APPLICABLE	
		Railing: U	
Pay Wt: 0 pounds	Prime Loc: UNKNOWN	Paint: OTHER PAINT	
Bridge Dedicated Name:			
Structure Information			
(38) Bypass Length: 02 Miles			
(39) Latitude: 39 Deg 54 Min 29.85 Sec	Longitude: 82 Deg 04 Min 06.17 Sec		
(40) Toll: ON FREE ROAD, THE STRUCTU			
(41) Date Built: 7/1/1952	(42) Major Rehabilitation:		
(43) No. Lanes On: 2	No. Lanes Under: 0		
(44) Horiz Curve:	(45) Skew: 11 Deg		
(49) App. Rdw Width: 16 Ft	(50) Brg. Rdw Width: 19.8 Ft		
(51) Deck Width: 19.8 Ft	Deck Area: 1106 Sq. Ft		
(52) Median Type: NONE/NON BARRIER/NO JOINT			
(53) Bridge Median: NO MEDIAN			
(54) Sidewalks:	(left) 0.5 Ft	(right) 0.5 Ft	
(55) Type Curb or Sidewalks:			
(Left) Matl: CONCRETE	Type: SAFETY CURB (2' OR LESS WIDTH)		
(Right) Matl: CONCRETE	Type: SAFETY CURB (2' OR LESS WIDTH)		
(56) Flared: 0	(57) Composite: N - NON_COMPOSITE		
(58) Railing: STEEL GUARDRAIL ON STEEL, CONCRETE OR TI			
(59) Deck Drainage: SCUPPERS AND DOWNSPOUTS			
(60) Deck Type: REINFORCED CONCRETE			
(61) Deck Protection: External: UNKNOWN			
Internal: UNKNOWN			
(62) Wearing Surface: BITUMINOUS (ASPHALTIC CONCRETE) - OVERLA			
Thickness: 3.0 in	(119) Date of Wearing Surface:		
Slope Protection: NONE			

Unit of Measure: **English**
 Structure File Number: 6038727
 Sufficiency Rating: 041.5 SD

Bridge Inventory Information

Inventory Bridge Number: MUS T0421 S1930 N

BR. Type: **STEEL/TRUSS/PONY (TRUSS)**

ROUTE CARRIED "ON" THE STRUCTURE THOMPSON RUN

Date of Last Inventory Update:

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NOT ELIGIBLE (---) Hist Builder: OHIO BRIDGE CORP (69) Hist Type: WARREN (WELDED) (161) Special Features (see below): (105) Border Bridge State: Resp: %(106) SFN:		(69) NBIS: Y Hist Build Year: 1952		(142) Fabricator: OHIO BRIDGE CO (143) Contractor: OHIO BRIDGE CO (144) Ohio Original Construction Project No: (---) Microfilm Reel: (151) Standard Drawing: Aperture Cards: Orig: N Repair: N Fabr: N Plan Information Available: 1 PLAN INFORMATION AVAILABLE FOR LOAD RATI (153) Repair Projects: 1) / 020			
Proposed Improvements		Programming Info					
(90) Type Work: -		PID Number: PID Status: PID Date:					
(90) Length: Ft							
(90) Bridge Cost (\$1000s):							
(90) Roadway Cost (\$1000s):							
(90) Total Project Cost (\$1000s):		(90) Year:					
(91) Future ADT (On Bridge): 555		(92) Year of Future ADT: 2035					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck:	4	Railings:	MEETS ACCEPTABLE STANDARDS	(46) Electric:	U	(161) Lighting:	N
(I-32) Superstructure:	5	Transitions:	NA/SAFETY FEATURE NOT REQUIRED	Gas:	U	Fencing:	N
(I-42) Substructure:	7	Guardrail:	NA/SAFETY FEATURE NOT REQUIRED	Sanitary Sewer:	U	Glare-Screen:	N
(I-50) Culvert:	N	Rail Ends:	NA/SAFETY FEATURE NOT REQUIRED	Telephone:	U	Splash-Guard:	N
(I-54) Channel:	3	In Depth:		TV Cable:	U	Catwalks:	N
(I-60) Approaches:	7	Fracture Critical:		Water:	U	Other-Feat:	U
(I-66) General Appraisal:	5	Scour Critical:		Other:	U	(184) Signs-On:	Y
(I-66) Operational Status:	P	Critical Findings:				Signs-Under:	N
Inspection Date:	12/16/2014	Insp. Update Date:	12/16/2014			(162) Fence-Ht:	0.0
(94) Desig Insp Freq	12 Months					(163) Noise Barr:	N
SFNs Replacing this retired bridge:		-					
SFNs That were replaced by this bridge:		-					
This bridge was retired and copied to:				INV Field Bridge Marker:		MUS - T0421 - 0000 - N	
The bridge was copied from:				INT Field Bridge Marker:		- - 0000 -	
(95) Insp: COUNTY AGENCY		2nd: NONE	3rd: NONE				
(96) Maint: COUNTY AGENCY		2nd: NONE	3rd: NONE				
(97) Routine: COUNTY AGENCY		2nd: NONE	3rd: NONE				

PONTIS CoRe elements and Conditions States

Elem No.	CoRe Element Description	Total Quantity	Unit Meas.	Condition State Percents(*)				
				1	2	3	4	5

(*) Percentages should add to 100%

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

STRUCTURE FILE NUMBER: 6038727

MUS
CO

T0421
Route

S1930
SLM

MUS-T-74125-SPRINGFIELD TWP

DATE BUILT 07/01/1952

District 05 STEEL/TRUSSPONY (TRUSS)

Type of Service 1 15 THOMPSON RUN

N
SD MUS

DECK

1. Floor	Out/Out 19.8 1-REINFORCED CONCRETE	3	2. Wearing Surface	THCK= 3.0 6-BITUMINOUS (ASPHALTIC CONCRETE) -	1
3. Curbs, Sidewalks & Walkways	1-CONCRETE 1-CONCRETE	2	4. Median	W.S. Date = N-NO MEDIAN	3
5. Railing	7-STEEL GUARDRAIL ON STEEL, CONCRETE OR TI	3	6. Drainage	3-SCUPPERS AND DOWNSPOUTS	1
7. Expansion Joints	2-SLIDING METAL PLATE ANGLE	1	8. SUMMARY	Deck Area: 1,106	4

SUPERSTRUCTURE

9. Alignment of Members	MAX.SPAN.LENGTH = 54	1	10. Beams/Girders/Slab	N-NOT APPLICABLE (CULVERTS, TRUSSES, ARCHE	
11. Diaphragms or Cross Frames	TOT.LGTH = 56		12. Joist/Stringers		2
13. Floorbeams		1	14. Floorbeam Connections		
15. Verticals		1	16. Diagonals		1
17. End posts			18. Upper Chord		1
19. Lower Chord		1	20. Gusset Plates		1
21. Lateral Bracing			22. Sway Bracing		
23. Portals			24. Bearing Devices	A-SLIDING (OTHER) B-FIXED	2
25. Arch			26. Arch Columns or Hangers		
27. Spandrel Walls			28. Protective Coating System (PCS)	TYPE: 0OTHER PAINT DATE = 01/01/1975	4
29. Pins/Hangers/Hinges	ADT: 636 TRUCK: 0 YEAR: 2011		30. Fatigue Prone Detail (E & E')		1
31. Live Load Response (E or S)		S	32. SUMMARY		5

SUBSTRUCTURE

33. Abutments	2-CONCRETE 2-CONCRETE	1	34. Abutment Seats	PIERS= # OF SPANS=1	1
35. Piers	TYPE = N-NONE		36. Pier Seats		
37. Backwalls		2	38. Wingwalls	ABUTMENT:=SPREAD FOOTING/SPREAD FOOTING	1
39. Fenders and Dolphins			40. Scour (Insp Type - 1, 2, 3)	5-SCOUR WITHIN LIMITS OF FOOTING OR PILES. 1	1
41. Slope Protection	N-NONE		42. SUMMARY	DIVE DT= N/A	7

CULVERTS

43. General			44. Alignment		
45. Shape			46. Seams		
47. Headwalls or Endwalls			48. Scour (Insp Type - 1, 2, 3)		
49. Abutments			50. SUMMARY		N

CHANNEL

51. Alignment		3	52. Protection	0-OTHER (GRASS, BUSHES, TREES)	1
53. Hydraulic Opening		2	54. SUMMARY		3

APPROACHES

55. Pavement	2-BITUMINOUS	1	56. Approach Slabs		
57. Guardrail	N-NONE		58. Relief Joint		
59. Embankment	BRDG.WIDTH=19.8		60. SUMMARY	PCT.LEGAL= 75	7

GENERAL

61. Navigation Lights			62. Warning Signs	ROUTINE.RESP: 3-COUNTY AGENCY MAINT.RESP: 3-COUNTY AGENCY	4
63. Sign Supports	MVC ON=9999 UND=0000		64. Utilities		
65. Vertical Clearance (1, 2-change, N)			66. General Appraisal & Operational Status		5 P

67. INSPECTED BY

68. REVIEWED BY

Print First & Last Name

74.658
PE Number

RH
Initial

Print First & Last Name

56.345
PE Number

DD
Initial

Inspected Date: 12/16/2014

1	N	N	N				
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Reviewed Date: 3/3/2015

69. Survey (1, 0, N)

