

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
 Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Information

Ohio [39]	Muskingum County [119]	Newton [55608]	0.4 MI NE OF US 22	39-52-15.14 = 39.870872	082-05-58.70 = -82.099639
6037771	Highway agency district 5	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!	LIMESTONE VALLEY R	Toll On free road [3]	Features intersected	KENT RUN	
Design - main	Concrete [1]	Design - approach	Kilometerpoint	0 km = 0.0 mi	
1	Girder and floorbeam system [03]	0	Year built	1924	Year reconstructed N/A [0000]
		Other [00]	Skew angle	0	Structure Flared
			Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length	15.2 m = 49.9 ft	Length of maximum span	14.3 m = 46.9 ft	Deck width, out-to-out	8.2 m = 26.9 ft
Inventory Route, Total Horizontal Clearance	7.3 m = 24.0 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 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		Inventory rating	12.6 metric ton = 13.9 tons
0.3 km = 0.2 mi	Method to determine operating rating		Operating rating	17.2 metric ton = 18.9 tons
	Bridge posting		Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

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	<input type="text" value="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - superstructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Fair [5]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>		
Channel and channel protection	<input type="text" value="Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Better than present minimum criteria [7]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="41"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - transitions	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Inspection date	<input type="text" value="January 2014 [0114]"/>	Designated inspection frequency	<input type="text" value="12"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

Structure File Number: 6037771

Inventory Bridge Number: MUS C0652 W0390 N

BR. Type: CONCRETE/GIRDER (FLOOR SYSTEM)/THRU

Sufficiency Rating: 025.5

ROUTE CARRIED "ON" THE STRUCTURE KENT RUN

Date of Last Inventory Update:

District: 05	County: MUSKINGUM	(101) Location: 0.4 MI NE OF US 22	(102) Facility Carried: LIMESTONE VALLEY R
(2) FIPS Code: MUS-T-55608-NEWTON TWP		(103) Route On Bridge: COUNTY	(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: CONCRETE/GIRDER (FLOOR SYSTEM)/THRU
Route No: C0652	Dir: NOT APPLICABLE	Approach Spans Number: 0	Type: NONE/NONE/NONE
Des: MAINLINE	Pref: N	Total Spans: 1	(65) Max Span: 47 Ft
(4) Feature Intersected: KENT RUN			(66) Overall Leng: 50 Ft
(5) County: NEW	Mileage: W0390	(70) Substructure	(71) Foundation and Scour Information
(6) Avg. Daily Traffic(ADT): 800	Special Desig: N	Abut-Rear	Matl: CONCRETE
(7) ADT Year: 2005		Type: GRAVITY	Fnd: SPREAD FOOTING
(8) Truck Traf: 80	(14) NHS: NON-NHS BRIDG	Abut-Fwd	Matl: CONCRETE
(15) Corridor: N		Type: GRAVITY	Fnd: SPREAD FOOTING
(16) Functional Class: RURAL - LOCAL	(19) Strahnt: NOT STRAHNET	Pier-Pred	Matl: NONE
		Type: NONE	Fnd: NONE (SUCH AS MOST CULVERTS)
		Pier-Other	Matl: NONE
		Type: NONE	Fnd: NONE (SUCH AS MOST CULVERTS)
		Pier-Other	Matl: NONE
		Type: NONE	Fnd: NONE (SUCH AS MOST CULVERTS)
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: BRIDGE FOUNDATIONS DETERMINED TO BE STAB
(24) County:	Mileage: 0000	(189) Dive: N Freq: 0	Probe: Y Freq: 0
(25) Avg. Daily Traffic(ADT):	Special Desig:	(189) Date of last Dive Insp:	(152) Drainage Area: UUU Sq Mi
(26) ADT Year:			
(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: 24.0 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: 2.0/2.0 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: H20			(88) Waterway Adequacy: 7
Opr Rat Fact: 0.530 LD:			(89) Approach Alignment: 8
Inv Rat Fact: 0.390 LD:			Calc Gen Appraisal: 4
(83) Ohio Percent of Legal Load: 50			Calc Deck Geometry: 4
Year of Rating: 2011			Calc Underclearance: N
(84) Analysis: FIELD EVALUATION AND DOCUMENTED ENGINEER			
(85) Rate Soft: ASSIGNED RATING (NO CALCULATIONS WERE DO			
Analysis on Bars: NOT ON BARS [DEFAULT]			
PE#: 0 BDN			
Approach Information			
(109) Approach Guardrail: STEEL BEAM			
(110) Approach Pavement: BITUMINOUS			(111) Grade: GOOD
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: CONCRETE GIRDER			(122) Moment Plate: NO MOMENT PLATES
(169) Expansion Joint: NONE			
(124) Bearing Devices: 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: N	Freq: 24	Date:	
(138) Long Member: TWO GIRDER BRIDGE			(135) Hinges: NOT APPLICABLE (STRUCTURES WITH NO
(141) Structural Steel Memb: NONE			(139) Framing: NONE OR NOT APPLICABLE
			Railing: N
Pay Wt: 0 pounds	Prime Loc: NONE (I.E.	Paint: NONE OR NOT APPLICABLE	
Bridge Dedicated Name:			
Structure Information			
(38) Bypass Length: 02 Miles			
(39) Latitude: 39 Deg 52 Min 15.14 Sec	Longitude: 82 Deg 05 Min 58.70 Sec		
(40) Toll: ON FREE ROAD, THE STRUCTU			
(41) Date Built: 7/1/1924	(42) Major Rehabilitation:		
(43) No. Lanes On: 2	No. Lanes Under: 0		
(44) Horiz Curve:	(45) Skew: 0 Deg		
(49) App. Rdw Width: 20 Ft	(50) Brg. Rdw Width: 24.0 Ft		
(51) Deck Width: 27.0 Ft	Deck Area: 1346 Sq. Ft		
(52) Median Type: NONE/NON BARRIER/NO JOINT			
(53) Bridge Median: NO MEDIAN			
(54) Sidewalks:	(left) 0.0 Ft	(right) 0.0 Ft	
(55) Type Curb or Sidewalks:			
(Left) Matl: NONE	Type: NONE OR N/A (RR, PEDESTRIAN, ETC.)		
(Right) Matl: NONE	Type: NONE OR N/A (RR, PEDESTRIAN, ETC.)		
(56) Flared: 0	(57) Composite: N - NON_COMPOSITE		
(58) Railing: REINFORCED CONCRETE POST AND CONCRETE PA			
(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: 4.0 in	(119) Date of Wearing Surface:		
Slope Protection: NONE			

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NOT ELIGIBLE (---) Hist Builder: NONE N/A (69) Hist Type: SHAPED (161) Special Features (see below): (105) Border Bridge State: Resp: %(106) SFN:		(69) NBIS: Y Hist Build Year: 1924		(142) Fabricator: (143) Contractor: (144) Ohio Original Construction Project No: (---) Microfilm Reel: (151) Standard Drawing: Aperture Cards: Orig: N Repair: N Fabr: N Plan Information Available: 0 NO PLANS OR INFORMATION AVAILABLE FOR LO (153) Repair Projects:			
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): 1110		(92) Year of Future ADT: 2033					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck:	5	Railings:	MEETS ACCEPTABLE STANDARDS	(46) Electric:	U	(161) Lighting:	N
(I-32) Superstructure:	4	Transitions:	NA/SAFETY FEATURE NOT REQUIRED	Gas:	U	Fencing:	N
(I-42) Substructure:	6	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:	6	In Depth:		TV Cable:	U	Catwalks:	N
(I-60) Approaches:	6	Fracture Critical:		Water:	U	Other-Feat:	U
(I-66) General Appraisal:	4	Scour Critical:		Other:	U	(184) Signs-On:	Y
(I-66) Operational Status:	P	Critical Findings:				Signs-Under:	N
Inspection Date:	1/13/2015	Insp. Update Date:	1/13/2015			(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: The bridge was copied from:				INV Field Bridge Marker: MUS - C0652 - 0000 - N 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: 6037771

MUS
CO

C0652
Route

W0390
SLM

MUS-T-55608-NEWTON TWP
FIPS

DATE BUILT 07/01/1924

District 05 CONCRETE/GIRDER (FLOOR SYSTEM) Type of Service 1 15 KENT RUN

N
SD MUS

DECK

1. Floor	Out/Out 27.0 1-REINFORCED CONCRETE	2	2. Wearing Surface	THCK= 4.0 6-BITUMINOUS (ASPHALTIC CONCRETE) -	1
3. Curbs, Sidewalks & Walkways	N-NONE N-NONE		4. Median	W.S. Date = N-NO MEDIAN	
5. Railing	5-REINFORCED CONCRETE POST AND CONCRETE PA	1	6. Drainage	3-SCUPPERS AND DOWNSPOUTS	3
7. Expansion Joints	N-NONE		8. SUMMARY	Deck Area: 1,346	5

SUPERSTRUCTURE

9. Alignment of Members	MAX.SPAN.LENGTH = 47		10. Beams/Girders/Slab	5-CONCRETE GIRDER	3
11. Diaphragms or Cross Frames	TOT.LGTH = 50	3	12. Joist/Stringers		
13. Floorbeams		3	14. Floorbeam Connections		
15. Verticals			16. Diagonals		
17. End posts			18. Upper Chord		
19. Lower Chord			20. Gusset Plates		
21. Lateral Bracing			22. Sway Bracing		
23. Portals			24. Bearing Devices	0-OTHER 0-OTHER	1
25. Arch			26. Arch Columns or Hangers		
27. Spandrel Walls			28. Protective Coating System (PCS)	TYPE: NNONE OR NOT APPLICABLE DATE =	
29. Pins/Hangers/Hinges	ADT: 800 TRUCK: 80 YEAR: 2005		30. Fatigue Prone Detail (E & E')		
31. Live Load Response (E or S)		S	32. SUMMARY		4

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			38. Wingwalls	ABUTMENT:=SPREAD FOOTING/SPREAD FOOTING	1
39. Fenders and Dolphins			40. Scour (Insp Type - 1, 2, 3)	8-BRIDGE FOUNDATIONS DETERMINED TO BE STAB	1 2
41. Slope Protection	N-NONE		42. SUMMARY	DIVE DT= N/A	6

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		2	52. Protection	0-OTHER (GRASS, BUSHES, TREES)	1
53. Hydraulic Opening		1	54. SUMMARY		6

APPROACHES

55. Pavement	2-BITUMINOUS	1	56. Approach Slabs		
57. Guardrail	1-STEEL BEAM	2	58. Relief Joint		
59. Embankment	BRDG.WIDTH=24.0		60. SUMMARY	PCT.LEGAL= 50	6

GENERAL

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

67. INSPECTED BY

68. REVIEWED BY

Print First & Last Name
Inspected Date: 1/13/2015

74.658
PE Number

RH
Initial
1 N N N

Print First & Last Name
Reviewed Date: 2/23/2015

56.345
PE Number

DD
Initial

69. Survey (1, 0, N)

