

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]	Lucas County [095]	Toledo [77000]	W OF WOODSDALE	41-37-48.00 = 41.630000	083-35-18.00 = -83.588333
4860349	Highway agency district	2	Owner	City or Municipal Highway Agency [04]	Maintenance responsibility
					City or Municipal Highway Agency [04]
Route	#Num!		SOUTH AVENUE	Toll	On free road [3]
				Features intersected	SWAN CREEK
Design - main	Concrete [1]	Design - approach		Kilometerpoint	0 km = 0.0 mi
				Year built	1927
				Year reconstructed	2003
3	Arch - Deck [11]	0	Other [00]	Skew angle	0
				Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]
Total length	57.3 m = 188.0 ft	Length of maximum span	32.3 m = 106.0 ft	Deck width, out-to-out	16.4 m = 53.8 ft
				Bridge roadway width, curb-to-curb	11 m = 36.1 ft
Inventory Route, Total Horizontal Clearance	11 m = 36.1 ft	Curb or sidewalk width - left	2.3 m = 7.5 ft	Curb or sidewalk width - right	2.3 m = 7.5 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Integral Concrete (separate non-modified layer of concrete added to structural deck) [2]				
Deck protection	Epoxy Coated Reinforcing [1]				
Type of membrane/wearing surface	Other [9]				

Weight Limits

Bypass, detour length	Method to determine inventory rating		Inventory rating	29.8 metric ton = 32.8 tons
0.3 km = 0.2 mi	Method to determine operating rating		Operating rating	40.5 metric ton = 44.6 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18+Mod / HS 20+Mod [6]

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="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - superstructure	<input type="text" value="Good [7]"/>	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="Good [7]"/>		
Scour	<input type="text" value="Countermeasures have been installed to mitigate an existing problem with scour. [7]"/>		
Channel and channel protection	<input type="text" value="Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="94.4"/>
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="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="December 2013 [1213]"/>	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: 4860349

Inventory Bridge Number: LUC 01W58 08020 N

BR. Type: CONCRETE/ARCH/DECK

Sufficiency Rating: 094.4

ROUTE CARRIED "ON" THE STRUCTURE SWAN CREEK

Date of Last Inventory Update:

District: 02	County: LUCAS	(101) Location: W OF WOODSDALE	(102) Facility Carried: SOUTH AVENUE
(2) FIPS Code: LUC-M-77000-TOLEDO		(103) Route On Bridge: MUNICIPAL	(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-PEDESTRIAN	(Under): WATERWAY
Inventory Route Data			
(3) Route On/Under: ROUTE CARRIED "ON" THE STR	Hwy Sys: MUNICIPAL STREET (I.E. VILL	(63) Main Spans Number: 3	Type: CONCRETE/ARCH/DECK
Route No: 01W58	Dir: NOT APPLICABLE	Approach Spans Number: 0	Type: NONE/NONE/NONE
Des: MAINLINE	Pref: N	Total Spans: 3	(65) Max Span: 106 Ft
(4) Feature Intersected: SWAN CREEK		(66) Overall Leng: 188 Ft	
(5) County: TOL	Mileage: 08020	(70) Substructure	(71) Foundation and Scour Information
(6) Avg. Daily Traffic(ADT): 15,540	(7) ADT Year: 2005	Abut-Rear	Matl: CONCRETE
(8) Truck Traf: 1,554	(14) NHS: NON-NHS BRIDG	Abut-Fwd	Matl: CONCRETE
(16) Functional Class: URBAN - COLLECTOR	(15) Corridor: N	Pier-Pred	Matl: CONCRETE
(19) Strahnt: NOT STRAHNET		Pier-Other	Matl: NONE
		Pier-Other	Matl: NONE
		No of Piers Predominate:	Other:
		(86) Stream Velocity: 00000	(74) Scour: COUNTERMEASURES INSTALLED TO CORRECT SCO
		(189) Dive: N Freq: 0	Probe: Y Freq: 0
		(189) Date of last Dive Insp:	(152) Drainage Area: UUU Sq Mi
		(75) Chan Prot: RIP RAP (DUMPED ROCK OR ROCK CH	
Intersected Route Data			
(22) Route On/Under:	Hwy Sys:		
Route No:	Dir:	Des:	Pref:
(23) Feature Intersected:			
(24) County:	Mileage: 0000	Special Desig:	
(25) Avg. Daily Traffic(ADT):	(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: 36.0 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: 6.0/6.0 Ft	
(81) Vrt Clr Lft:	0.0 Ft		
Structure Information			
(38) Bypass Length: 02 Miles			
(39) Latitude: 41 Deg 37 Min 50.30 Sec	Longitude: 83 Deg 35 Min 14.70 Sec		
(40) Toll: ON FREE ROAD, THE STRUCTU			
(41) Date Built: 7/1/1963	(42) Major Rehabilitation: 11/1/2003		
(43) No. Lanes On: 2	No. Lanes Under: 0		
(44) Horiz Curve:	(45) Skew: 0 Deg		
(49) App. Rdw Width: 36 Ft	(50) Brg. Rdw Width: 36.0 Ft		
(51) Deck Width: 53.8 Ft	Deck Area: 10118 Sq. Ft		
(52) Median Type: NONE/NON BARRIER/NO JOINT			
(53) Bridge Median: NO MEDIAN			
(54) Sidewalks:	(left) 7.4 Ft	(right) 7.4 Ft	
(55) Type Curb or Sidewalks:			
(Left) Matl: CONCRETE	Type: SIDEWALK (GREATER THAN 2' IN WIDTH)		
(Right) Matl: CONCRETE	Type: SIDEWALK (GREATER THAN 2' IN WIDTH)		
(56) Flared: 0	(57) Composite: N - NON_COMPOSITE		
(58) Railing: REINFORCED CONCRETE POST AND CONCRETE PA			
(59) Deck Drainage: OTHER (NATURAL-OFF THE BRIDGE ENDS)			
(60) Deck Type: REINFORCED CONCRETE			
(61) Deck Protection: External: NONE			
Internal: EPOXY COATED REINFORCING (TOP MAT)			
(62) Wearing Surface: INTEGRAL CONCRETE (MONOLITHIC) - NOT AN			
Thickness: 1.0 in	(119) Date of Wearing Surface:		
Slope Protection: RIP RAP (DUMPED ROCK OR ROCK CHANNEL PRO			
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: HS20-44 & ALTERNATE MILITARY LOADING	(Including calculated Items)		
Opr Rat Fact: 1.250 LD:			
Inv Rat Fact: 0.920 LD:			
(83) Ohio Percent of Legal Load: 150	(88) Waterway Adequacy: 8		
Year of Rating: 2005	(89) Approach Alignment: 8		
(84) Analysis: FIELD EVALUATION AND DOCUMENTED ENGINEER	Calc Gen Appraisal: 6		
(85) Rate Soft: ASSIGNED RATING (NO CALCULATIONS WERE DO	Calc Deck Geometry: 4		
Analysis on Bars: NOT ON BARS [DEFAULT]	Calc Underclearance: N		
PE#: 0			
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: NOT APPLICABLE (CULVERTS, TRUSSES, ARCHE	(122) Moment Plate: NO MOMENT PLATES		
(169) Expansion Joint: NONE			
(124) Bearing Devices: NONE			
(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: ONE CONCRETE ARCH	(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:			

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

STRUCTURE FILE NUMBER: 4860349

LUC
CO

01W58
Route

08020
SLM

LUC-M-77000-TOLEDO
FIPS

DATE BUILT 07/01/1963 - 2003

District 02 CONCRETE/ARCHDECK

Type of Service 1 55 SWAN CREEK

N
SD LUC

DECK

1. Floor	Out/Out 53.8 1-REINFORCED CONCRETE	1	2. Wearing Surface	2-INTEGRAL CONCRETE (MONOLITHIC) - NOT	THCK= 1.0	1
3. Curbs, Sidewalks & Walkways	1-CONCRETE 1-CONCRETE	1	4. Median		W.S. Date = N-NO MEDIAN	
5. Railing	5-REINFORCED CONCRETE POST AND CONCRETE PA	1	6. Drainage	0-OTHER (NATURAL-OFF THE BRIDGE ENDS)		1
7. Expansion Joints	N-NONE		8. SUMMARY	Deck Area: 10,118		7

SUPERSTRUCTURE

9. Alignment of Members	MAX.SPAN.LENGTH = 106	1	10. Beams/Girders/Slab	N-NOT APPLICABLE (CULVERTS, TRUSSES, ARCHE		
11. Diaphragms or Cross Frames	TOT.LGTH = 188	1	12. Joist/Stringers			1
13. Floorbeams		1	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		N-NONE N-NONE	
25. Arch		1	26. Arch Columns or Hangers			
27. Spandrel Walls			28. Protective Coating System (PCS)	TYPE: NNONE OR NOT APPLICABLE DATE =		
29. Pins/Hangers/Hinges	ADT: 15,540 TRUCK: 1,554 YEAR: 2005		30. Fatigue Prone Detail (E & E')			
31. Live Load Response (E or S)			32. SUMMARY			7

SUBSTRUCTURE

33. Abutments	2-CONCRETE 2-CONCRETE	2	34. Abutment Seats	PIERS=	# OF SPANS=3	2
35. Piers	TYPE = 2-CONCRETE	1	36. Pier Seats			1
37. Backwalls		2	38. Wingwalls	ABUTMENT:=SPREAD FOOTING/SPREAD FOOTING		1
39. Fenders and Dolphins			40. Scour (Insp Type - 1, 2, 3)	7-COUNTERMEASURES INSTALLED TO CORRECT SCO	1	1
41. Slope Protection	3-RIP RAP (DUMPED ROCK OR ROCK CHANNEL PRO	1	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		1	52. Protection	5-RIP RAP (DUMPED ROCK OR ROCK CHANNEL PRO		1
53. Hydraulic Opening		1	54. SUMMARY			8

APPROACHES

55. Pavement	2-BITUMINOUS	2	56. Approach Slabs			2
57. Guardrail	1-STEEL BEAM	1	58. Relief Joint			
59. Embankment	BRDG.WIDTH=36.0	1	60. SUMMARY	PCT.LEGAL= 150		6

GENERAL

61. Navigation Lights			62. Warning Signs	ROUTINE.RESP: 4-CITY OR OTHER LOCAL AGENCY MAINT.RESP: 4-CITY OR OTHER LOCAL AGENCY		
63. Sign Supports	MVC ON=9999 UND=0000		64. Utilities	ELEC/GAS/TEL/OTH/		1
65. Vertical Clearance (1, 2-change, N)			66. General Appraisal & Operational Status			6 A

67. INSPECTED BY

68. REVIEWED BY

Print First & Last Name
Inspected Date: 11/14/2015

39.060
PE Number

PB
Initial

1	1	1	1				
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69. Survey (1, 0, N)

Print First & Last Name

65.576
PE Number

KC
Initial

Reviewed Date: 11/24/2015