

**BUTLER COUNTY BRIDGE MANAGEMENT SYSTEM  
BRIDGE INSPECTION RECORD**

County Bridge Name:  
ROSS HANOVER ROAD - 1.298

Photo 1



ELEVATION LOOKING NORTH.

Photo 2



ENDVIEW LOOKING WEST.

Structure File Number:	0930660	Inspected By:	ANN M. GRIESSMANN
General Appraisal Operating Status:	4 A		
Sufficiency Rating:	40.8	Inspection Date:	0 4 / 1 1 / 0 5
Inspection No:	2005	Township:	ROSS

**STRUCTURE INFO**

NO. OF SPANS:	1	O.A. LENGTH:	46 FT.	DECK WIDTH:	28 FT.
YEAR BUILT / REHAB:	1942				
STRUCTURE TYPE:	CAST-IN-PLACE CONCRETE SLAB WITH WALL TYPE ABUTMENTS				

**INSPECTION FINDINGS**

DECK COMMENT:	WIDE TRANSVERSE CRACKS AND MAP CRACKING IN WEARING SURFACE.
SUPERSTRUCTURE COMMENT:	MANY LONGITUDINAL CRACKS WITH EFFLORESCENCE & STALACTITES UNDERSIDE SLAB. SPALL WITH EXPOSED REBAR AT S FASCIA & CENTER OF SLAB.
SUBSTRUCTURE COMMENT:	LARGE DELAMS, EFFLORESCENCE AND 1/2" WIDE VERTICAL CRACK IN BOTH ABUTMENTS. SOUTHWEST WINGWALL HAS 1/2" HORIZONTAL DISPLACEMENT AT VERTICAL CRACK.
CULVERT COMMENT:	
SCOUR COMMENT:	FOOTERS EXPOSED AT BOTH ABUTMENTS. W ABUTMENT FOOTER EXPOSED 2'.
CHANNEL COMMENT:	CHANNEL FLOWS INTO WEST ABUTMENT.
APPROACH COMMENT:	WIDE TRANSVERSE CRACKS AND MAP CRACKING IN WEARING SURFACE.

**RECOMMENDED MAINTENANCE**

COMPONENT	PRIORITY	DESCRIPTION
CONCRETE	L	REPLACE STRUCTURE.
STEEL		
GUARDRAIL		
PAVEMENT	S	ASPHALT OVERLAY. SEAL CRACKS IN WEARING SURFACE IN MEANTIME.
EMBANKMENT	M	REPAIR EMBANKMENTS AFTER CONSTRUCTION.
CHANNEL	M	REALIGN CHANNEL. PLACE RIP RAP ALONG BOTH ABUTMENTS.
EROSION		

0930660

SRUCTURE FILE NUMBER

BRIDGE NUMBER BUT C0178 0130 ROSS YEAR BUILT 1942  
 CO ROUTE UNIT VILLAGE/TOWN

DIST. 8 BRIDGE TYPE Concrete Slab Simple Span TYPE SERVICE 115 INDIAN CREEK BRANCH BUTLER

<b>DECK</b>					
1. FLOOR	MANY LONGITUDINAL CRACKS WITH EFFLORESCENCE AND STALACTITES UNDERSIDE SLAB. SPALL WITH EXPOSED REBAR AT SOUTH FASCIA AND CENTER OF SLAB.	3	2. WEARING SURFACE	WIDE TRANSVERSE CRACKS AND MAP CRACKING IN WEARING SURFACE.	3
3. CURBS, SIDEWALKS, WALKWAY			4. MEDIAN		
5. RAILING	SMALL SPALLS AT RAILING ENDS.	2	6. DRAINAGE	SCUPPERS PAVED OVER.	4
7. EXPANSION JOINTS			8. SUMMARY	WIDE TRANSVERSE CRACKS AND MAP CRACKING IN WEARING SURFACE.	3
<b>SUPERSTRUCTURE</b>					
9. ALIGNMENT		1	10. BEAMS/GIRDERS/SLAB	MANY LONG CRACKS W/ EFFLORESCENCE & STALACTITES UNDERSIDE SLAB. SPALL W/ EXPOSED REBAR AT S FASCIA & CENTER OF SLAB.	3
11. DIAPHRAGMS or CROSSFRAMES			12. JOISTS/STRINGERS		
13. FLOOR BEAMS			14. FLOOR BEAM CONNECTIONS		
15. VERTICALS			16. DIAGONALS		
17. END POSTS			18. TOP CHORD		
19. LOWER CHORD			20. LOWER LATERAL BRACING		
21. TOP LATERAL BRACING			22. SWAY BRACING		
23. PORTAL			24. BEARING DEVICES		
25. ARCH			26. ARCH COLUMNS or HANGERS		
27. SPANDREL WALLS			28. PCS		
29. PINS/HANGERS/HINGES			30. FATIGUE PRONE CONNECTIONS		
31. LIVE LOAD RESPONSE		S	32. SUMMARY	MANY LONGITUDINAL CRACKS WITH EFFLORESCENCE & STALACTITES UNDERSIDE SLAB. SPALL WITH EXPOSED REBAR AT S FASCIA & CENTER OF SLAB.	4
<b>SUBSTRUCTURE</b>					
33. ABUTMENTS	LARGE DELAMS, EFFLORESCENCE AND 1/2" WIDE VERTICAL CRACK IN BOTH ABUTMENTS.	3	34. ABUTMENT SEATS		
35. PIERS			36. PIER SEATS		
37. BACKWALLS			38. WINGWALLS	LARGE DELAMS AND VERTICAL CRACKS WITH EFFLORESCENCE. SOUTHWEST WINGWALL HAS 1/2" HORIZONTAL DISPLACEMENT AT VERTICAL CRACK.	3
39. FENDERS and DOLPHINS			40. SCOUR	FOOTERS EXPOSED AT BOTH ABUTMENTS. W ABUTMENT FOOTER EXPOSED 2'.	1 2
41. SLOPE PROTECTION			42. SUMMARY	LARGE DELAMS, EFFLORESCENCE AND 1/2" WIDE VERTICAL CRACK IN BOTH ABUTMENTS. SOUTHWEST WINGWALL HAS 1/2" HORIZONTAL DISPLACEMENT AT VERTICAL CRACK.	4
<b>CULVERT</b>					
43. GENERAL			44. ALIGNMENT		
45. SHAPE			46. SEAMS		
47. HEADWALLS or ENDWALLS			48. SCOUR		
49.			50. SUMMARY		
<b>CHANNEL</b>					
51. ALIGNMENT	CHANNEL FLOWS INTO WEST ABUTMENT.	3	52. PROTECTION		
53. WATERWAY ADEQUACY		1	54. SUMMARY	CHANNEL FLOWS INTO WEST ABUTMENT.	5
<b>APPROACHES</b>					
55. PAVEMENT	WIDE TRANSVERSE CRACKS AND MAP CRACKING IN WEARING SURFACE.	3	56. APPROACH SLABS		
57. GUARDRAIL		1	58. RELIEF JOINTS		
59. EMBANKMENT		2	60. SUMMARY	WIDE TRANSVERSE CRACKS AND MAP CRACKING IN WEARING SURFACE.	5
<b>GENERAL</b>					
61. NAVIGATION LIGHTS			62. WARNING SIGNS		1
63. SIGN SUPPORTS			64. UTILITIES		
65. VERTICAL CLEARANCE		N	66. GENERAL APPRAISAL and OPERATIONAL STATUS		4 A

67. INSPECTED BY

ANN M. GRIESSMANN  
 PE# 68177  
 BURGESS & NIPL, INC.

PE INITIALS  
 P E A M G

68. REVIEWED BY

PE#

PE INITIALS

DATE 0 4 1 1 0 5

DATE

DATE

69 SURVEY



BURGESS & NIPL