

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

County Bridge Name:
LESOURDSVILLE WEST CHESTER ROAD - 0.168

Photo 1



ELEVATION LOOKING EAST.

Photo 2



ENDVIEW LOOKING SOUTH.

Structure File Number: 0932744
General Appraisal Operating Status: 4 A
Sufficiency Rating: 41.3
Inspection No: 2005

Inspected By: BRIAN D. DIETRICH
Inspection Date: 03 / 21 / 05
Township: WEST CHESTER

STRUCTURE INFO

NO. OF SPANS: 1 O.A. LENGTH: 33 FT. DECK WIDTH: 27 FT.
YEAR BUILT / REHAB: 1938
STRUCTURE TYPE: ROLLED BEAM BRIDGE WITH WALL TYPE ABUTMENTS

INSPECTION FINDINGS

DECK COMMENT: EFFLORESCENCE, DAMP AREAS, & SPALLING ON FLOOR. SPALLING WITH EXPOSED REBAR ON RAILING.
SUPERSTRUCTURE COMMENT: HEAVY CORROSION & SECTION LOSS OF BEAMS. HOLE IN WEB OF WEST INTERIOR BEAM AT S ABUTMENT. MODERATE SECTION LOSS OF BEARING PLATE.
SUBSTRUCTURE COMMENT: CONCRETE SUBSTRUCTURE UNITS ARE IN POOR CONDITION WITH HEAVY CRACKING & SPALLING.
CULVERT COMMENT:
SCOUR COMMENT:
CHANNEL COMMENT: CHANNEL FLOWS ALONG SOUTH ABUTMENT.
APPROACH COMMENT:

RECOMMENDED MAINTENANCE

COMPONENT	PRIORITY	DESCRIPTION
CONCRETE	L	REPLACE OR EXTENSIVE REHABILITATION OF CONCRETE SUBSTRUCTURE.
STEEL	L	LOAD RATE STRUCTURE. REPLACE OR EXTENSIVE REHABILITATION OF STRUCTURAL STEEL.
GUARDRAIL	S	REPAIR OR REPLACE CONCRETE DECK RAILING.
PAVEMENT		
EMBANKMENT		
CHANNEL	M	PLACE RIP RAP ALONG ABUTMENTS.
EROSION		

0932744

SRUCTURE FILE NUMBER

BRIDGE NUMBER BUT T0131 0017 WEST CHESTER YEAR BUILT 1938
 CO ROUTE UNIT VILLAGE/TOWN

DIST. 8 BRIDGE TYPE Steel Beam Simple Span TYPE SERVICE 115 MILL CREEK BRANCH BUTLER

DECK EFFLORESCENCE, DAMP AREAS, & SPALLING ON FLOOR.			
1. FLOOR		3	2. WEARING SURFACE 1
3. CURBS, SIDEWALKS, WALKWAY			4. MEDIAN
5. RAILING SPALLING WITH EXPOSED REBAR ON RAILING.		3	6. DRAINAGE PAVED OVER. 4
7. EXPANSION JOINTS CANNOT SEE. PAVED OVER.		1	8. SUMMARY EFFLORESCENCE, DAMP AREAS, & SPALLING ON FLOOR. SPALLING WITH EXPOSED REBAR ON RAILING. 4
SUPERSTRUCTURE			
9. ALIGNMENT		1	10. BEAMS/GIRDERS/SLAB HEAVY CORROSION & SECTION LOSS OF BEAMS. HOLE IN WEB OF WEST INTERIOR BEAM AT S ABUTMENT. 3
11. DIAPHRAGMS or CROSSFRAMES		2	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 MODERATE SECTION LOSS OF BEARING PLATE. 3
25. ARCH			26. ARCH COLUMNS or HANGERS
27. SPANDREL WALLS			28. PCS 0
29. PINS/HANGERS/HINGES			30. FATIGUE PRONE CONNECTIONS
31. LIVE LOAD RESPONSE		S	32. SUMMARY HEAVY CORROSION & SECTION LOSS OF BEAMS. HOLE IN WEB OF WEST INTERIOR BEAM AT S ABUTMENT. MODERATE SECTION LOSS OF BEARING PLATE. 4
SUBSTRUCTURE HEAVY CRACKING, SPALLING, & EFFLORESCENCE OF ABUTMENTS.			
33. ABUTMENTS		3	34. ABUTMENT SEATS HEAVY SPALLING & CRACKING OF ABUTMENT SEATS. 3
35. PIERS			36. PIER SEATS
37. BACKWALLS		2	38. WINGWALLS 2
39. FENDERS and DOLPHINS			40. SCOUR 1 2
41. SLOPE PROTECTION		4	42. SUMMARY CONCRETE SUBSTRUCTURE UNITS ARE IN POOR CONDITION WITH HEAVY CRACKING & SPALLING. 4
CULVERT			
43. GENERAL			44. ALIGNMENT
45. SHAPE			46. SEAMS
47. HEADWALLS or ENDWALLS			48. SCOUR
49.			50. SUMMARY
CHANNEL CHANNEL FLOWS ALONG SOUTH ABUTMENT.			
51. ALIGNMENT		2	52. PROTECTION
53. WATERWAY ADEQUACY		1	54. SUMMARY CHANNEL FLOWS ALONG SOUTH ABUTMENT. 7
APPROACHES			
55. PAVEMENT		1	56. APPROACH SLABS
57. GUARDRAIL			58. RELIEF JOINTS
59. EMBANKMENT		2	60. SUMMARY 7
GENERAL			
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

BRIAN D. DIETRICH
 PE# 65481
 BURGESS & NIPLÉ, INC.

PE INITIALS

68. REVIEWED BY

PE#

PE INITIALS

DATE

69 SURVEY

DATE



BURGESS & NIPLÉ