

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

County Bridge Name:  
**MORGAN ROSS ROAD - 1.016**

Photo 1



ELEVATION LOOKING WEST.

Photo 2



ENDVIEW LOOKING NORTH.

Structure File Number: 0933090  
General Appraisal Operating Status: 4 A  
Sufficiency Rating: 71.8  
Inspection No: 2005

Inspected By: ANN M. GRIESSMANN  
Inspection Date: 04 / 14 / 05  
Township: MORGAN

**STRUCTURE INFO**

NO. OF SPANS: 1 O.A. LENGTH: 72 FT. DECK WIDTH: 24 FT.  
YEAR BUILT / REHAB: 1957  
STRUCTURE TYPE: STEEL PONY TRUSS WITH FULL HEIGHT CONCRETE ABUTMENTS

**INSPECTION FINDINGS**

DECK COMMENT: GUARDRAIL WELDED TO TRUSS.  
SUPERSTRUCTURE COMMENT: LAMINATING CORROSION OF FLOOR BEAM FLANGES. SURFACE CORROSION ON LOWER LATERAL BRACING. DEBRIS AND VEGETATION AT TRUSS BEARINGS.  
SUBSTRUCTURE COMMENT: CRACKING WITH EFFLORESCENCE AT ABUTMENT CORNERS. BOTH APRONS ARE FAILING. SPALLS AT BOTH BACKWALLS.  
CULVERT COMMENT:  
SCOUR COMMENT: NORTH ABUTMENT UNDERMINED 4" WITH PILING EXPOSED AT NORTHEAST CORNER.  
CHANNEL COMMENT: CHANNEL FLOWS INTO NORTH ABUTMENT AT HIGH FLOWS.  
APPROACH COMMENT: TRANSVERSE CRACKS IN WEARING SURFACE AT ABUTMENTS. POTHOLE & MAP CRACKING IN WEARING SURFACE AT SOUTH ABUTMENT.

**RECOMMENDED MAINTENANCE**

| COMPONENT  | PRIORITY | DESCRIPTION  |
|------------|----------|--|
| CONCRETE   | M        | REPAIR BACKWALLS.  |
| STEEL      | S        | PAINT STEEL. REMOVE DEBRIS FROM LOWER CHORD.                       |
| GUARDRAIL  | S        | REPLACE GUARDRAIL AND GRIND WELDS SMOOTH. BOLT GUARDRAIL TO TRUSS. |
| PAVEMENT   | M        | SEAL CRACKS IN WEARING SURFACE. FILL POTHOLE IN APPROACH PAVEMENT. |
| EMBANKMENT |          |  |
| CHANNEL    | M        | REPAIR UNDERMINING OF NORTH ABUTMENT.                              |
| EROSION    |          |  |

0933090

SRUCTURE FILE NUMBER

BRIDGE NUMBER BUT T0168 0102 MORGAN YEAR BUILT 1957  
 CO ROUTE UNIT VILLAGE/TOWN

DIST. 8 BRIDGE TYPE Steel Truss Deck TYPE SERVICE 115 PADDYS RUN BUTLER

|  |   |  |     |
|--|---|--|-----|
| <b>DECK</b>  |   |  |     |
| 1. FLOOR   | 1 | 2. WEARING SURFACE   | 1   |
| 3. CURBS, SIDEWALKS, WALKWAY   |   | 4. MEDIAN  |     |
| 5. RAILING<br><small>GUARDRAIL WELDED TO TRUSS.</small>  | 1 | 6. DRAINAGE  | 1   |
| 7. EXPANSION JOINTS<br><small>PAVED OVER.</small>  | 2 | 8. SUMMARY<br><small>GUARDRAIL WELDED TO TRUSS.</small>  | 7   |
| <b>SUPERSTRUCTURE</b>  |   |  |     |
| 9. ALIGNMENT   | 1 | 10. BEAMS/GIRDERS/SLAB   |     |
| 11. DIAPHRAGMS or CROSSFRAMES  |   | 12. JOISTS/STRINGERS   | 1   |
| 13. FLOOR BEAMS<br><small>LAMINATING CORROSION OF FLOOR BEAM FLANGES.</small>  | 2 | 14. FLOOR BEAM CONNECTIONS   | 1   |
| 15. VERTICALS  | 1 | 16. DIAGONALS  | 1   |
| 17. END POSTS  | 1 | 18. TOP CHORD  | 1   |
| 19. LOWER CHORD<br><small>DEBRIS ON LOWER CHORD.</small>   | 1 | 20. LOWER LATERAL BRACING<br><small>SURFACE CORROSION ON LOWER LATERAL BRACING.</small>  | 2   |
| 21. TOP LATERAL BRACING  |   | 22. SWAY BRACING   |     |
| 23. PORTAL   |   | 24. BEARING DEVICES<br><small>SURFACE CORROSION AT STRINGER BEARINGS. DEBRIS AND VEGETATION AT TRUSS BEARINGS.</small>   | 2   |
| 25. ARCH   |   | 26. ARCH COLUMNS or HANGERS  |     |
| 27. SPANDREL WALLS   |   | 28. PCS  | 7   |
| 29. PINS/HANGERS/HINGES  |   | 30. FATIGUE PRONE CONNECTIONS  | 1   |
| 31. LIVE LOAD RESPONSE   | S | 32. SUMMARY<br><small>LAMINATING CORROSION OF FLOOR BEAM FLANGES. SURFACE CORROSION ON LOWER LATERAL BRACING. DEBRIS AND VEGETATION AT TRUSS BEARINGS.</small> | 5   |
| <b>SUBSTRUCTURE</b><br><small>CRACKING WITH EFFLORESCENCE AT ABUTMENT CORNERS. BOTH APRONS ARE FAILING.</small>  |   |  |     |
| 33. ABUTMENTS  | 2 | 34. ABUTMENT SEATS   | 2   |
| 35. PIERS  |   | 36. PIER SEATS   |     |
| 37. BACKWALLS<br><small>SPALLS AT BOTH BACKWALLS.</small>  | 3 | 38. WINGWALLS  | 2   |
| 39. FENDERS and DOLPHINS   |   | 40. SCOUR<br><small>NORTH ABUTMENT UNDERMINED 4" WITH PILING EXPOSED AT NORTHEAST CORNER.</small>  | 1 3 |
| 41. SLOPE PROTECTION   |   | 42. SUMMARY<br><small>CRACKING WITH EFFLORESCENCE AT ABUTMENT CORNERS. BOTH APRONS ARE FAILING. SPALLS AT BOTH BACKWALLS.</small>                              | 4   |
| <b>CULVERT</b>   |   |  |     |
| 43. GENERAL  |   | 44. ALIGNMENT  |     |
| 45. SHAPE  |   | 46. SEAMS  |     |
| 47. HEADWALLS or ENDWALLS  |   | 48. SCOUR  |     |
| 49.  |   | 50. SUMMARY  |     |
| <b>CHANNEL</b><br><small>CHANNEL FLOWS INTO NORTH ABUTMENT AT HIGH FLOWS.</small>  |   |  |     |
| 51. ALIGNMENT  | 3 | 52. PROTECTION   |     |
| 53. WATERWAY ADEQUACY  | 1 | 54. SUMMARY<br><small>CHANNEL FLOWS INTO NORTH ABUTMENT AT HIGH FLOWS.</small>   | 4   |
| <b>APPROACHES</b><br><small>TRANSVERSE CRACKS IN WEARING SURFACE AT ABUTMENTS. POT HOLE &amp; MAP CRACKING IN WEARING SURFACE AT SOUTH ABUTMENT.</small> |   |  |     |
| 55. PAVEMENT   | 2 | 56. APPROACH SLABS   |     |
| 57. GUARDRAIL  | 1 | 58. RELIEF JOINTS  |     |
| 59. EMBANKMENT   | 2 | 60. SUMMARY<br><small>TRANSVERSE CRACKS IN WEARING SURFACE AT ABUTMENTS. POT HOLE &amp; MAP CRACKING IN WEARING SURFACE AT SOUTH ABUTMENT.</small>             | 7   |
| <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 & NIPLÉ, INC.

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68. REVIEWED BY

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