# Inspection Report with SI\&A Data 

| Structure Descr | 40.03 Foot - 3 | te Culvert (includes fram | verts) | NBI | X |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 District: 10 | 3 County: Perry | 16 Latitude: 37010'51.00" | 7 Longitude: $83^{\circ} 08^{\prime} 58.00{ }^{\prime \prime}$ | Element | X |
| 7 Facility Carrie | -1166 |  | Milepoint: 4.290 | Fracture Critical |  |
| 6A Feature Inter | LEFT FORK OF | CREEK |  | Underwater |  |
| 9 Location: . 05 | OF JCT KY 1165 |  |  | Special |  |


| NBI CONDITION RATINGS |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| 58 | Deck: | N | 61 | Channel: |
| 59 | Superstructure: | N | 62 Culvert: | 7 |
| 60 | Substructure: | N | Sufficiency Rating: | 33.5 |


| DESIGN |  |  |
| :--- | :--- | :--- |
| Substandard: | Not Sub-Standard |  |
| 43A | Main Span Material: | (1) Concrete |
| 43B | Main Span Design: | (19) Culvert |
| 45 | Number of Spans Main: | 3 |
| 44A | Approach Span Material: | Not Applicable (0) |
| 44B | Approach Span Design: | Not Applicable (00) |
| 46 $\quad$ Number of Approach Spans: 0 |  |  |
| 107 0 |  |  |
| 108A Weck Type: | N/A (NBI) |  |
| 108B Membrane: | (N) N/A no deck (NBI) |  |
| 108C Deck Protection: | (N) N/A no deck (NBI) |  |
| Overlay Y/N: | (N) N/A no deck (NBI) |  |
| Overlay Type: | No |  |
| Overlay Thickness: | None |  |
| Overlay Date: | -1.000 in |  |


| APPRAISAL |  |  |
| :--- | :--- | :--- |
| 36A | Bridge Railings: | (0) Substandard |
| 36B | Transitions | (0) Substandard |
| 36C | Approach Guardrail: | (0) Substandard |
| 36D | Approach Guardrail Ends: | (0) Substandard |
| 71 | Waterway Adequacy: | (8) Equal Desirable |
| 72 | Approach Alignment: | (3) Intolerable - Correct |
| 92A | Fracture Critical Inspection: Not Coded |  |
| 92B | Under Water Inspection: | No |
| 113 | Scour Critical: | (8) Stable above footing |
| Recommended Scour Critical: | (8) Stable Above Footing |  |


|  |  | LOAD RATINGS |
| :--- | :--- | :--- |
| 63 | Operating Type: | (1) Load Factor (LF) |
| 64 | Operating Rating: | 25.0 tons |
| 65 | Inventory Type: | (1) Load Factor (LF) |
| 66 | Inventory Rating: | 15.0 tons |
| Truck Capacity Type I: | tons |  |
| Truck Capacity Type II: | tons |  |
| Truck Capacity Type III: | tons |  |
| Truck Capacity Type IV: | tons |  |


| GEOMETRIC DATA |  |  |
| :--- | :--- | :--- |
| 48 | Max Length Span: | 12.139 ft |
| 49 | Structure Length: | 40.026 ft |
| 32 | Approach Roadway: | 18.045 ft |
| 33 | Median: | $(0)$ No Median |
| 34 | Skew: | $0^{\circ}$ |
| 35 | Flare: | No Flare |
| 50A | Curb/Sidewalk Width L: | 0.500 ft |
| 50B | Curb/Sidewalk Width R: | 0.000 ft |
| 47 | Horiz. Clearance: | 19.357 ft |
| 51 | Width Curb to Curb: | 18.000 ft |
| 52 | Width Out to Out: | 20.670 ft |


| ADMINISTRATIVE |  |  |
| :--- | :--- | :--- |
| 27 | Year Built: | 1952 |
| 106 | Year Reconstructed: | 0 |
| 42A Type of Service On: | (1) Highway |  |
| 42B Type of Service Under: | (5) Waterway |  |
| 37 | Historical Significance: | (5) Not Eligible |
| 21 | Maintenance Responsibility:(01) State Hwy Agency |  |
| 22 | Owner: | (01) State Hwy Agency |
| 101 | Parallel Structure: | (N) No II Structure Exists |


| CLEARANCES |  |  |
| :--- | :--- | :--- |
| 10 | Vert. Clearance: | 99.999 ft |
| 53 | Min. Vert. Clearance Over: | 99.999 ft |
| 54A | Vert. Under Reference: | (N) Feature not hwy or RR |
| 54B | Min. Vert. Underclearance: | 0.000 ft |
| 55A | Lateral Under Reference: | (N) Feature not hwy or RR |
| 55B | Min. Lat. Underclearance R: 0.000 ft |  |
| 56 | Min. Lat. Underclearance L: 0.000 ft |  |

## POSTINGS

| 41 Posting Status: | (A) Open, No Restriction |
| :--- | :--- |
| Signs Posted Cardinal: | No |
| Signs Posted Non-Cardinal: | No |
| Field Postings Gross: | -1 tons |
| Field Postings Type I: | -1 tons |
| Field Postings Type II: | -1 tons |
| Field Postings Type III: | -1 tons |
| Field Postings Type IV: | -1 tons |

## Inspection Report with SI\&A Data

## 241: Re Conc Culvert

| Units | Total Qty | Qty. St. 1 | \% in 1 | Qty. St. 2 | \% in 2 | Qty. St. 3 | \% in 3 | Qty. St. 4 | \% in 4 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| FT | 63 | 55 | $87 \%$ | 8 | $13 \%$ | 0 | $0 \%$ | 0 | $0 \%$ |

Barrel ceilings have small spalls with short sections of re-bar exposed. Exposed steel has approximately 15-20\% LOS. Light abrasion wear along the splash zone in barrels \#1 and 2. Scour at the N/W corner wingwall footer is from the convergence of the right fork of Maces creek with the main fork at the structure. Footer is not undermined as yet and appears stable but needs stone placed to prevent further erosion and possible undermining.

1090: Exposed Rebar

| Units | Total Qty | Qty. St. 1 | \% in 1 | Qty. St. 2 | \% in 2 | Qty. St. 3 | \% in 3 | Qty. St. 4 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| \% in 4 |  |  |  |  |  |  |  |  |
| FT | 6 | 0 | $0 \%$ | 6 | $100 \%$ | 0 | $0 \%$ | 0 |

6000: Scour

| Units | Total Qty | Qty. St. 1 | \% in 1 | Qty. St. 2 | \% in 2 | Qty. St. 3 | \% in 3 | Qty. St. 4 | \% in 4 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| FT | 1 | 0 | $0 \%$ | 1 | $100 \%$ | 0 | $0 \%$ | 0 | $0 \%$ |

Scour at the N/W corner wingwall footer is from the convergence of the right fork of Maces creek with the main fork at the structure.
Footer is not undermined as yet and appears stable but needs stone placed to prevent further erosion and possible undermining.

## 331: Re Conc Bridge Railing

| Units | Total Qty | Qty. St. 1 | \% in 1 | Qty. St. 2 | \% in 2 | Qty. St. 3 | \% in 3 | Qty. St. 4 | \% in 4 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| FT | 82 | 82 | $100 \%$ | 0 | $0 \%$ | 0 | $0 \%$ | 0 | $0 \%$ |

## Inspection Report with SI\&A Data

| 800: Culv Wingwall |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Units | Total Qty | Qty. St. 1 | $\%$ in 1 | Qty. St. 2 | $\%$ in 2 | Qty. St. 3 | \% in 3 | Qty. St. 4 |
| \% in 4 |  |  |  |  |  |  |  |  |
| (LF) | 64 | 62 | $97 \%$ | 2 | $3 \%$ | 0 | $0 \%$ | 0 |

The N/E wingwall has cracks

| 1130: Cracking (RC and Other) |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Units | Total Qty | Qty. St. 1 | \% in 1 | Qty. St. 2 | $\%$ in 2 | Qty. St. 3 | \% in 3 | Qty. St. 4 | \% in 4 |
| (LF) | 2 | 0 | $0 \%$ | 2 | $100 \%$ | 0 | $0 \%$ |  | 0 |
| - | $0 \%$ |  |  |  |  |  |  |  |  |

801: Culv Headwall

| Units | Total Qty | Qty. St. 1 | \% in 1 | Qty. St. 2 | \% in 2 | Qty. St. 3 | \% in 3 | Qty. St. 4 | \% in 4 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| (LF) | 84 | 82 | $98 \%$ | 2 | $2 \%$ | 0 | $0 \%$ | 0 | $0 \%$ |

Headwalls have some exposed steel.

| 1090: Exposed Rebar |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Units | Total Qty | Qty. St. 1 | $\%$ in 1 | Qty. St. 2 | $\%$ in 2 | Qty. St. 3 | \% in 3 | Qty. St. 4 | \% in 4 |
| (LF) | 2 | 0 | $0 \%$ | 2 | $100 \%$ |  | 0 | $0 \%$ |  |
| - | 0 | $0 \%$ |  |  |  |  |  |  |  |

## 803: Curb

| Units | Total Qty | Qty. St. 1 | \% in 1 | Qty. St. 2 | \% in 2 | Qty. St. 3 | \% in 3 | Qty. St. 4 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| \% in 4 |  |  |  |  |  |  |  |  |
| LF) | 82 | 0 | $0 \%$ | 82 | $100 \%$ | 0 | $0 \%$ | 0 |

Both curbs and parapet walls have minor spalling. popouts from chemical contamination (de-icing).

## Inspection Report with SI\&A Data

## STRUCTURE NOTES

INSPECTION NOTES

## WORK

Action: -1-Converted Work Candidates
Small drift in front of barrel 1 needs removed. Generated by sherald on 12/13/2012

