|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **BRIDGE SCOUR REPORT** | | | | | | | | | | | | | |
| STRUCTURE NO.: |  | | | | | | INSPECTION DATE: | | | |  | | |
| COUNTY: |  |  | SECTION: |  |  | TOWNSHIP: | |  |  | RANGE: | |  |  |

**300 SERIES SCOUR CRITICAL ITEMS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | YES | NO |  | | | | | | | | YES | | | | NO | |
| 326 | EMBANKMENT EROSION (9-0) |  | |  | 352 | FLOOD OVERTOPS ROAD/BRIDGE RELIEF | | | | | |  | | | |  | |
| 344 | ABUTMENT WALLS UNDERMINED |  |  |  | 353 | POTENTIAL DEBRIS UPSTREAM | | | | | |  | | | |  | |
| 344A | APPROACHES SETTLED/WASHED OUT |  |  |  | 354 | BENTS/PIERS IN CHANNEL | | | | | |  | | | |  | |
| 346 | STREAM BED DEGRADED |  |  |  | 354A | STREAM FLOW AGAINST ABUTMENT | | | | | | ­­ | | | |  | |
| 347 | CONTRACTED STREAM/ABUTS INSIDE HB |  |  |  | 355 | BRIDGE ALIGNMENT WITH FLOW (9-0) | | | | | |  |  | | | |  |
| 348 | SCOUR AT:  A (ABUT), B (BENT/PIER), C (A & B), N (NO) |  | |  | 356 | DEBRIS BLOCKING CHANNEL AT BRIDGE | | | | | |  | | | |  | |
| 357 | DROP FROM UPSTREAM DECK TO GROUND: | | | | | | | | | | | |
| 349 | BANK EROSION IN PROGRESS |  |  |  | ABUT 1 - |  | FLOWLINE - |  | ABUT 2 - | | | |  | | |  |
| 350 | STREAM SHIFTED FROM BRIDGE CENTER |  |  |  | 358 | OPINION SCOUR PROBLEM | | | | |  | | | |  | | |
| 351 | FLOODWATER REACHES LOW STRUCTURE |  |  |  | 358B | SCOUR INCREASED IN LAST TWO YEARS | | | | |  | | | |  | | |
| 351A | LOW ROAD ELEV. ABOVE LOW STRUCTURE |  |  |  | 358C | SCOUR PLAN OF ACTION EFFECTIVE DATE: | | | | |  | | | | | | |
|  |  |  |  |  |  |  | | | | |  | | | | | |  |

**113 SCOUR CRITICAL RATING**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 9 | FOUNDATIONS SAFELY ABOVE FLOODWATER |  | 5 | LOW RISK |  | 2 | UNSTABLE, EXTENSIVE SCOUR |
|  | 8 | STABLE, FOUNDATIONS RESIST SCOUR |  | 4 | ACTION REQUIRED |  | 1 | FAILURE IMMINENT, CLOSED |
|  | 7 | SCOUR PROBLEM MITIGATED |  | 3 | UNSTABLE FOUNDATION |  | 0 | FAILED |

**BRIDGE INFORMATION**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ABUT. 1 GRADE: |  | ft | | ABUT. 2 GRADE: |  | ft | LOW STRUCTURE ELEV.: | |  | ft |
| Q100 BASE FLOOD: |  | cfs | | HW ELEV. (US SIDE): |  | ft | BRIDGE WWA: | |  | ft2 |
| Q100 BRIDGE BASE FLOOD: |  | cfs | | OVERTOPPING FLOOD: |  | cfs | OVERTOPPING FREQ.: | |  | yr |
| FLOWLINE ELEV.: |  | ft | | HIGH BANK ELEV.: |  | ft | LOW ROAD ELEV.: | |  | ft |
| CHANNEL BOTTOM WIDTH: |  | ft | | BERM ELEV.: |  | ft | CRITICAL BERM ELEV.: | |  | ft |
| STREAM: |  | | | | |  | DRAINAGE AREA: | |  | mi2 |
|  |  |  |  |  |  |  |  |  |  |  |

**SCOUR INFORMATION**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q100 GENERAL SCOUR: |  | ft |  | Q100 LOCAL SCOUR: |  | ft |  | Q500 SCOUR ELEV.: |  | ft |
|  |  |  |  |  |  |  |  |  |  |  |

**COMMENTS**

|  |  |
| --- | --- |
| JUSTIFICATION: |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| WRITTEN BY: | | QC BY: | | QA BY: | |
| DATE: |  | DATE: |  | DATE: |  |