|  |
| --- |
| **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: |       |