

# BRIDGE SCOUR REPORT

STRUCTURE NO.: \_\_\_\_\_ INSPECTION DATE: \_\_\_\_\_  
 COUNTY: \_\_\_\_\_ SECTION: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ RANGE: \_\_\_\_\_

### 300 SERIES SCOUR CRITICAL ITEMS

	YES	NO		YES	NO
60 SUBSTRUCTURE	_____	_____	61 CHANNEL and CHANNEL PROTECTION	_____	_____
71 WATERWAY ADEQUACY	_____	_____	353 POTENTIAL DEBRIS UPSTREAM	<input type="checkbox"/>	<input type="checkbox"/>
344 ABUTMENT WALLS UNDERMINED	<input type="checkbox"/>	<input type="checkbox"/>	354 BENTS/PIERS IN CHANNEL	<input type="checkbox"/>	<input type="checkbox"/>
346 STREAM BED DEGRADED	<input type="checkbox"/>	<input type="checkbox"/>	355 STRUCTURE ALIGNMENT WITH FLOW (9-0)	_____	_____
347 CONTRACTED STREAM/ABUTS INSIDE HB	<input type="checkbox"/>	<input type="checkbox"/>	357 DROP FROM UPSTREAM DECK TO GROUND: ABUT 1 - _____ FLOWLINE - _____ ABUT 2 - _____	_____	_____
348 LOCAL SCOUR AT: A (ABUT), B (BENT/PIER), C (A & B), N (NO)	_____	_____	358 OPINION SCOUR PROBLEM	<input type="checkbox"/>	<input type="checkbox"/>
350 STREAM SHIFTED FROM BRIDGE CENTER	<input type="checkbox"/>	<input type="checkbox"/>	358C SCOUR PLAN OF ACTION EFFECTIVE DATE	_____	_____

### 113 SCOUR CRITICAL RATING

<input type="checkbox"/> 9 FOUNDATIONS SAFELY ABOVE FLOODWATER	<input type="checkbox"/> 5 LOW RISK	<input type="checkbox"/> 2 UNSTABLE, EXTENSIVE SCOUR
<input type="checkbox"/> 8 STABLE, FOUNDATIONS RESIST SCOUR	<input type="checkbox"/> 4 ACTION REQUIRED	<input type="checkbox"/> 1 FAILURE IMMINENT, CLOSED
<input type="checkbox"/> 7 SCOUR PROBLEM MITIGATED	<input type="checkbox"/> 3 UNSTABLE FOUNDATION	<input type="checkbox"/> 0 FAILED

### HYDROLOGY

STREAM: _____	DRAINAGE AREA: _____ mi <sup>2</sup>	STREAM SLOPE: _____ ft/mi
Q <sub>2</sub> : _____ cfs	Q <sub>10</sub> : _____ cfs	Q <sub>25</sub> : _____ cfs
Q <sub>50</sub> : _____ cfs	Q <sub>100</sub> : _____ cfs	Q <sub>500</sub> : _____ cfs
ELEV. _____ ft	ELEV. _____ ft	ELEV. _____ ft
ELEV. _____ ft	ELEV. _____ ft	ELEV. _____ ft

### BRIDGE INFORMATION

ABUT. 1 GRADE: _____ ft	ABUT. 2 GRADE: _____ ft	LOW STRUCTURE ELEV.: _____ ft
Q <sub>100</sub> BASE FLOOD: _____ cfs	HW ELEV. (DS SIDE): _____ ft	BRIDGE WWA: _____ ft <sup>2</sup>
Q <sub>100</sub> 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

### SCOUR INFORMATION

Q <sub>100</sub> GENERAL SCOUR: _____ ft	Q <sub>100</sub> LOCAL SCOUR: _____ ft	Q <sub>500</sub> SCOUR ELEV.: _____ ft
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### COMMENTS

WRITTEN BY: _____	QC BY: _____	QA BY: _____
DATE: _____	DATE: _____	DATE: _____