

BRIDGE SCOUR ASSESSMENT

STRUCTURE NO.: _____

INSPECTION DATE: _____

SOIL TYPE

CHANNEL - BANK:	<input type="checkbox"/> SAND & GRAVEL	<input type="checkbox"/> SANDY SILT	<input type="checkbox"/> SILT	<input type="checkbox"/> SILTY-CLAY	<input type="checkbox"/> CLAY	<input type="checkbox"/> SHALE	<input type="checkbox"/> ROCK
CHANNEL - BED:	<input type="checkbox"/> SAND & GRAVEL	<input type="checkbox"/> SANDY SILT	<input type="checkbox"/> SILT	<input type="checkbox"/> SILTY-CLAY	<input type="checkbox"/> CLAY	<input type="checkbox"/> SHALE	<input type="checkbox"/> ROCK

ABUTMENT FOUNDATION ASSESSMENT

TYPE: <input type="checkbox"/> SPREAD FOOTING <input type="checkbox"/> TIMBER PILE <input type="checkbox"/> CONCRETE PILE <input type="checkbox"/> STEEL PILE	DEPTH: <input type="checkbox"/> KNOWN <input type="checkbox"/> UNKNOWN	ADEQUACY: <input type="checkbox"/> STABLE <input type="checkbox"/> AT RISK <input type="checkbox"/> UNSTABLE
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ABUTMENT BACKWALL ASSESSMENT

BACKWALL TYPE: <input type="checkbox"/> STUB <input type="checkbox"/> TIMBER PLANK <input type="checkbox"/> CONCRETE WALL <input type="checkbox"/> CONCRETE SHEET <input type="checkbox"/> STEEL SHEET			
DISTANCE, DECK TO BOTTOM OF BACKWALL: ABUTMENT 1: _____ ft ABUTMENT 2: _____ ft		ABUTMENT SCOUR ESTIMATE/PROBED: ABUTMENT 1: _____ ft ABUTMENT 2: _____ ft	
APPROACH FILL: <input type="checkbox"/> SOLID <input type="checkbox"/> SMALL VOIDS <input type="checkbox"/> LARGE VOIDS <input type="checkbox"/> FAILED		BACKWALL STRUCTURAL DETERIORATION: <input type="checkbox"/> YES <input type="checkbox"/> NO	APPROACH SLAB? <input type="checkbox"/> YES <input type="checkbox"/> NO
BACKWALL ADEQUACY: <input type="checkbox"/> STABLE <input type="checkbox"/> AT RISK <input type="checkbox"/> FAILURE IMMINENT <input type="checkbox"/> FAILED		BERM ADEQUACY: <input type="checkbox"/> STABLE <input type="checkbox"/> AT RISK <input type="checkbox"/> INEFFECTIVE <input type="checkbox"/> NONEXISTENT	

PIER/BENT ASSESSMENT

TYPE: <input type="checkbox"/> OPEN <input type="checkbox"/> ENCASED <input type="checkbox"/> NONE		FOUNDATION TYPE: <input type="checkbox"/> SPREAD FOOTING <input type="checkbox"/> TIMBER PILE <input type="checkbox"/> CONCRETE PILE <input type="checkbox"/> STEEL PILE	
FOUNDATION DEPTH: <input type="checkbox"/> KNOWN <input type="checkbox"/> UNKNOWN		DECK TO BOTTOM OF ENCASEMENT/FOOTING: _____ ft	SCOUR ESTIMATED/PROBED (UPSTREAM SIDE) _____ ft (BELOW F.L.)
STABILITY: <input type="checkbox"/> STABLE <input type="checkbox"/> AT RISK <input type="checkbox"/> UNSTABLE		CALCULATED SCOUR: (when available) GENERAL: _____ ft LOCAL: _____ ft	

CHANNEL EVOLUTION AND BEHAVIOR

STAGE <input type="checkbox"/> PREMODIFIED <input type="checkbox"/> CONSTRUCTED <input type="checkbox"/> DEGRADATION <input type="checkbox"/> THRESHOLD <input type="checkbox"/> AGGRADATION <input type="checkbox"/> RESTABILIZATION			
CHARACTERISTICS <input type="checkbox"/> HEAD-CUTTING <input type="checkbox"/> STEEP BANKS <input type="checkbox"/> BANK SEEPAGE <input type="checkbox"/> ALTERNATE BARS <input type="checkbox"/> MEANDERING <input type="checkbox"/> VEGETATED BANKS			
BANK FAILURE DUE TO: <input type="checkbox"/> ROTATION <input type="checkbox"/> POPOUT <input type="checkbox"/> SLAB MOVEMENT <input type="checkbox"/> OTHER: _____			

BANK BUFFER ZONE

LEFT BANK: _____ ft (WIDTH)	<input type="checkbox"/> TREE LINED	<input type="checkbox"/> GRASSED	<input type="checkbox"/> CULTIVATED	<input type="checkbox"/> OTHER: _____
RIGHT BANK: _____ ft (WIDTH)	<input type="checkbox"/> TREE LINED	<input type="checkbox"/> GRASSED	<input type="checkbox"/> CULTIVATED	<input type="checkbox"/> OTHER: _____

STRUCTURAL HYDRAULIC ASSESSMENT

HYDRAULIC STABILITY CATEGORY: <input type="checkbox"/> STABLE <input type="checkbox"/> LOW RISK <input type="checkbox"/> SCOUR SUSCEPTIBLE <input type="checkbox"/> SCOUR VULNERABLE <input type="checkbox"/> SCOUR CRITICAL
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ACTION

POA REQUIRED: <input type="checkbox"/> YES <input type="checkbox"/> NO	ADDITIONAL STUDY REQUIRED: <input type="checkbox"/> YES <input type="checkbox"/> NO
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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
JUSTIFICATION: _____		

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