BRIDGE SCOUR ASSESSMENT

STRUCTURE NO:	JRE NO: INSPECTION DATE:						
			SOII TYPE				
CHANNEL – BANK:	☐ SAND & GRAVEL	SANDY SILT	SOIL TYPE	☐ SILTY CLA	у Пс	LAY SHA	LE
CHANNEL – BED:	SAND & GRAVEL	SANDY SILT	☐ SILT	☐ SILTY CLA		LAY	
ABUTMENT FOUNDATION							
TYPE:	☐ CONCRETE PILE ☐	_	TIMBER PILE	SPREAD FO	OTING \square DR	ILLED SHAFT	UNKNOWN
DEPTH:		UNKNOWN	ADEQUACY:	☐ STABLE	_	RISK	UNSTABLE
DE. 1111			BUTMENT BACK	_		111311	1 0110171822
BACKWALL TYPE:	☐ STEEL SHEET		RETE SHEET	CONCRETE	WALL \square	TIMBER PLANK	☐ STUB
BACKWALL ADEQUA		☐ AT RIS		☐ FAILURE IM		FAILED	
BACKWALL STRUCTURAL DETERIORATION: YES NO DECK TO BOTTOM OF BACKWALL: ABUT 1 ft. ABUT 2 ft.							
BACKWALL STRUCT	TRAL DETERIORATION.	_ 1E3 NO	DECK TO BOT	OW OF BACKWALL			
APPROACH SLAB?		YES NO	ABUTMENT SO	COUR ESTIMATE/PR	OBED: A	BUT 1 ft.	ABUT 2 ft.
APPROACH FILL:	SOLID SMALL VC	DIDS LARGE	VOIDS	FAILED			
BERM ADEQUACY:	STABLE AT RISK	☐ INEFFE	ECTIVE	NONEXISTE	NT		
		PIER/BENT					
TYPE:	☐ OPEN	ENCASED	DRILL	ED SHAFT NO	ONE		
FOUNDATION TYPE:	STEEL PILE	☐ CONCRETE PILE	TIMBE	R PILE SP	READ FOOTING		
FOUNDATION DEPT	H: KNOWN	UNKNOWN					
STABILITY:	☐ STABLE	☐ AT RISK	☐ UNST	ABLE			
DECK TO BOTTOM C	F ENCASEMENT / FOOTING:	ft. SC	OUR ESTIMATED	PROBED: (U.S. SIDE,) ft.		
CALCULATED SCOUP	R: CONTRACTION	ft. LOCAL	ft.				
		CHANNEI	L EVOLUTION A	ND BEHAVIOR			
STAGE:	PREMODIFIED CO	NSTRUCTED	DEGRADATION	☐ THRESHOLD	☐ AGGF	ADATION	RESTABILIZATION
CHARACTERISTICS:	☐ HEAD-CUTTING ☐ ST	EEP BANKS	BANK SEEPAGE	☐ ALTERNATE BA	ARS MEAN	NDERING	VEGETATED BANKS
BANK FAILURE:	☐ ROTATION ☐ POPOL	JT SLAB MOVI	EMENT SLO	UGHING 🗌 EROSI	ION OTHER:		NONE
BANK BUFFER ZONE							
LEFT BANK:	_ ft. (width) TREE	LINED GF	RASSED	CULTIVATED	☐ OTHE	R:	
RIGHT BANK: ft. (width)							
		300	SERIES SCOU	R ITEMS			
		YES	S NO				YES NO
326 ROADWAY E	MBANKMENT EROSION (9-0)		352	FLOOD OVERTOP	S ROAD/BRIDGE	RELIEF	
344 ABUTMENT		_					
344A APPROACHES SETTLED/WASHED OUT			_				
346 STREAM BED) DEGRADED		354	STREAM FLOW A	BAINST ABUTME	NT	
347 CONTRACTE	D STREAM/ABUTS INSIDE HB		355	BRIDGE ALIGNME	ENT WITH FLOW	(9-0)	
348 SCOUR AT:	/DENT/DIED) C (A 9 D) NI (NO	١	356				
	(BENT/PIER), C (A & B), N (NO	,	 		STREAM DECK TO		UT 2 -
	ON IN PROGRESS FTED FROM BRIDGE CENTER		□ 358	ABUT 1 - OPINION SCOUR	FLOWLINI	AB	U12-
	ER REACHES LOW STRUCTURE		_			/FΔRS	
	ELEV. ABOVE LOW STRUCTURI		=	SCOUR PLAN OF			
SEET LOW NORD							
NBIS Item – 113 Rating							
9: FOUNDATION SAFELY ABOVE FLOODWATER 8: STABLE, FOUNDATIONS RESISTS SCOUR 7: SCOUR PROBLEM MITIGATED 5: LOW RISK 4: ACTION REQUIRED 3: UNSTABLE FOUNDATION 2: UNSTABLE – EXTENSIVE SCOUR 1: FAILURE IMMINENT, CLOSED							
JUSTIFICATION:							
ACTION							
POA REQUIRED: YES NO ADDITIONAL STUDY REQUIRED: YES NO MAINTANANCE REQUIRED: YES NO							
WOITTEN DV		OC BY:			OA BV:		
WRITTEN BY:		QC BY:			QA BY:		
DATE:		DATE:			DATE:		