



Bridge Number	Structure ID
Bridge Name	
Waterway	
Owner	

Analyzed By	Date of Analysis
Updated By	Date of Update

Place PE Stamp Here (if req'd)

Q100 (cfs)		Q100 Water Surface Elev. (ft.)	
Q500 (cfs)		Q500 Water Surface Elev. (ft.)	
V100 (ft./sec)		V500 (ft./sec)	
Angle of Attack		Thalweg Elevation (ft.)	
Superstructure Low Point (pt. obstructs water flow) Elev. (ft.)			
Q When High Water Touches Bottom of Bridge if less than Q500 (cfs)			

Scour Appraisal				
Pier Number	Bottom of Foundation Elev. (ft.)	*Calculated Scour Elev. (ft.)	Monitor (R, UW, F)	Inspection Frequency (Months)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

R = Routine/Interim; UW = Underwater; F = Fathometric

*Calculated Scour Elevation is the result of a quantitative analysis in accordance with HEC 18, HEC 20, or other FHWA recommended methods. Use Page 3 if additional piers are needed.

Mitigation:

In-Place and Functioning

Yes

No

N/A

Description of Mitigation:

Comments:**Frequencies:**

Type of Inspection	Frequency (years)	Year Frequency Established
Stream Cross-Section (upstream)**		
Underwater		
Fathometric		

**See WSBIM Table 5-1 for recommended sounding frequencies

Recommended Scour Coding:

NBI Item 113 (WSBIS 1680) (1680 Code applicable until 2026)

SNBI Item B.AP.03 (WSBIS BAP03)

Scour Plan-of-Action Required (Y/N)

Yes No

Scour Plan-of-Action Implemented (Y/N/NA)

Yes No N/A

Scour Summary Sheet - Additional Piers

Bridge Number	Structure ID
Bridge Name	

Scour Appraisal				
Pier Number	Bottom of Foundation Elev. (ft.)	*Calculated Scour Elev. (ft.)	Monitor (R, UW, F)	Inspection Frequency (Months)
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				

R = Routine/Interim; UW = Underwater; F = Fathometric

*Calculated Scour Elevation is the result of a quantitative analysis in accordance with HEC 18, HEC 20, or other FHWA recommended methods.