

SCOUR CRITICAL BRIDGE - PLAN OF ACTION

1. General Information

Structure ID Number (5A01): 55742481634001	District, County, Location and Owner (5A04);(5A05);(5A06);(5A21): 09; 55 - Somerset; 55/424 - INDIAN LAKE; 04 -City/Muni Hwy Agency		
NBI Str. No.(BRKEY) (5A03): 31920	Facility Carried (5A08): PENINSULA DRIVE	Feature Intersected (5A07): CALENDARS RUN	
Year Built (5A15): 1997	Year Rebuilt (5A16): 0	Structure Type (6A26-29): 19934 ST PIPE CULV	
Number of Spans: Approach (5B14) = 0 ; Main = (5B11) 4			
Bridge ADT (5C10): 20	Bridge ADTT (6C27): -1	ADT Year (5C11): 2009	
Substructure (1A02): N	Channel (1A05): 6	Waterway Adequacy (1A06): 7	

2. Scour Information

SCBI (4A08): 3	Source of SCBI Code (IU03): O	Minimum Obs. Scour Rating (IN03): 6	SCBI Category: C
7A01 Inspection Date:	5D02 Structure Unit	IN13 Foundation Type	IN03 Observed Scour Rating
IN24 Underwater Inspection Notes:			
07/16/2009	CIN	O - Other	6
Minor settlement causing small voids between pipes and toewalls. No scour or undermining.			
07/16/2009	COU	O - Other	6
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3. Monitoring Program

(Insert instructions for category C bridge here.)

Note: Slight chance of overtopping bridge deck and roadway approaches

4. Countermeasures

Any Proposed Maintenance listed below is to be installed in accordance with a schedule consistent with the Priority Levels assigned. Proper completion of these maintenance items should protect the bridge from further scour damage or failure.

Proposed Maintenance	IM03 Action	IM05 Priority	IM06 Date Recommended	IM07 Status	IM08 Target Year
ECREMDP-REMOVE DEPOSITS		4 - Routine Structural	09/25/2003	0 - Work not planned	0
ECREMVG-REMOVE VEG/DEBRIS		4 - Routine Structural	10/18/2001	0 - Work not planned	2009

Completed Maintenance

5. Bridge Closure Plan

Scour Monitoring criteria for consideration of bridge closure:

- Overtopping road or structure
- Observed structure movement / settlement
- Bridge in Pressure Flow
- Severe Debris accumulation
- Movement of riprap/other armor protection
- Loss of road embankment

Agency responsible for closure (6A06): 424

Contact persons:

Criteria for re-opening the bridge: After scour inspection performed by a PennDOT qualified Certified Bridge Safety Inspection Team Leader and approval by the bridge owner.

6. Attachments

Please indicate which materials are being submitted with this POA:

- Attachment A: Plan view scour sketch showing location of scour holes, undermining, debris, etc.
- Attachment B: Cross sections from current and previous inspection reports which includes substructure unit elevations showing existing streambed, foundation depth(s) and observed scour depths
- Attachment C: Map showing detour route(s) (Optional)
- Attachment D: Photos (Optional)