HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: 470E5820001 BRIDGE OWNER: CITY OF KNOXVILLE ROAD NAME: MINERAL SPRINGS RD CROSSING: FIRST CREEK

LATITUDE:: N 36.01472 DEGREES

COUNTY: KNOX ROUTE: 05648 SPECIAL CASE: 0 COUNTY SEQUENCE: 1 LOG MILE: 1.39

LON	NGITUDE: W 83.92182 DEGREES	S	YEAR BUILT: 1910
MAIN SPAN:	CONCRETE - ARCH - DECK	TYPE OF SUPERSTRUCTURE APPR. SPAN:	NOT APPLICABLE
		TYPE OF SUBSTRUCTURE =	
ABUTMENTS:	CONCRETE ARCH TYPE ON UNKN	OWN FOUNDATION	
BENTS:	NOT APPLICABLE		
PIERS:	CONCRETE SOLID SHAFT PIER ON	I UNKNOWN FOUNDATION	
		SCOUR EVALUATION	
	unknown foundations. Risk of sc icant flood events. Monitor bridg		bridge shall be monitored for distress termeasures.
		INSPECTION PROCEDURES	
What Initiated the Call-out Inspection?		[] BridgeWatch Alert	
		[] TDOT District or Loca	al Maintenance Personnel
		[] THP or Local Law En	forcement Personnel
		[] Other:	
[] - Span 1. C 2. C [] - Chec [] - Chec	heck on a bridge during flood movement - horizontally as we heck displacement / deflection check for plumb of piers or be k for embankment erosion k for drift build-up on piers or k pier exposure, if possible, a ew the latest bridge inspection	vell as vertically on along curb line, both bridgents. bents nd compare to previous inspe	
<u>If Closure is</u>	recommended:		
Coun temp	ity or City Maintenance Perso	nnel. Use Barricade Tape, trat rists to stay off of the bridge	cured and properly closed by District, ffic cones and/or traffic flares as until such time as the bridge may
[] - Conta	act: (1) District Maintenance S	Supervisor (if bridge is State	maintained)
	(2) City or County Highwa	ay Maintenance Official (if br	ridge is not State maintained)
	(3) Tennessee Highway P	atrol and/or local law enforce	ement Officers as appropriate
	(4) TDOT Regional Bridge	e Engineer	
	 The Bridge should remain closed until the water recedes and a daylight visual inspection is made by a TDOT bridge inspection team. 		

PUBLICATION DATE

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• •	e District maintenance or local highway maintenance idge on the selected detour route shall be checked	
 The bridge can be re-opened only after a TDOT bridge inspection team checks the substructure units and they are determined to be structurally stable. 		
CONTACT PERSONNEL:	TELEPHONE NUMBER:	
CITY MAYOR'S OFFICE	(865) 215-2040	
CITY ENGINEER'S OFFICE	(865) 215-2148	
POLICE OFFICE	(865) 215-7229	
PUBLIC WORKS DIRECTOR	(865) 215-2060	
[] - Summarize and submit findings from the inspe The report shall include the date and time of th as appropriate, photographs of the bridge and scouring has occurred, the report shall also be COMMENTS:	e inspection, a brief summary of findings and, stream channel measurements. If significant copied to Bridge Inspection Headquarters.	
Suggested List of Equipment to conduct the Inspection Latest Bridge Inspection Report Scour POA Report with the above Checklist	ion:	
Bridge Design Plans, if available		
Tape measure with weight		
Plumb bob		
Range Pole	and mainted with the following survey	
A 1000 Foot Roll of yellow Polyethylene Barricade Ta SAFETY HAZARD KEEP		

A Barricade Tape Dispenser with serrated cutter

A roll of Duct Tape

Traffic Cones - Minimum of four (4)

Traffic Safety Flares - Minimum of four (4) or set of electronic warning flashers

TDOT two-way radio (State Personnel only) and/or cellular telephone

TDOT radio directory (State Personnel only)