HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: 31S43240003

BRIDGE OWNER: STATE OF TENNESSEE

ROAD NAME: **SR50**CROSSING: **ELK RIVER**

LATITUDE:: N 35.35758 DEGREES
LONGITUDE: W 85.83652 DEGREES

COUNTY: GRUNDY
ROUTE: \$R050

SPECIAL CASE: 0

COUNTY SEQUENCE: 2

LOG MILE: 6.95

LON	NGITUDE: W 85.83652 DEGREES	YEAR BUILT: 1956	
MAIN SPAN:	CONCRETE - TEE BEAM	TYPE OF SUPERSTRUCTURE APPR. SPAN: NOT APPLICABLE	
WAIN OF AN.	CONCRETE - TEE BEAM		
		TYPE OF SUBSTRUCTURE	
	ABUTMENTS: CONCRETE STUB ABUTMENT ON STEEL PILE FOUNDATION		
BENTS: PIERS:	CONCRETE COLUMN TWO POST B	ENT ON STEEL PILE FOUNDATION	
FIERO.	NOT APPLICABLE		
		SCOUR EVALUATION	
		termined to be unstable for calculated scour conditions. Rip-rap protection ective. Major repair or replacement of the protection system is needed.	
		INSPECTION PROCEDURES	
What Initiated the Call-out Inspection?		[] BridgeWatch Alert	
	•	TDOT District or Local Maintenance Personnel	
		[] THP or Local Law Enforcement Personnel	
		[] Other:	
Things to c	heck on a bridge during floods	<u>:</u>	
[] - Span	movement - horizontally as we	ell as vertically	
	•	n along curb line, both bridge rails and outer edge of bridge deck.	
2. (Check for plumb of piers or ber	its.	
[] - Chec	k for embankment erosion		
[] - Chec	k for drift build-up on piers or	pents	
	• •	d compare to previous inspection	
		report versus current field conditions	
	.	•	
<u>If Closure is</u>	recommended:		
Cour temp	nty or City Maintenance Person	cross road until bridge is secured and properly closed by District, nel. Use Barricade Tape, traffic cones and/or traffic flares as ists to stay off of the bridge until such time as the bridge may	
[] - Conta	act: (1) District Maintenance S	upervisor (if bridge is State maintained)	
	(2) City or County Highwa	y Maintenance Official (if bridge is not State maintained)	
	(3) Tennessee Highway Pa	atrol and/or local law enforcement Officers as appropriate	
	(4) TDOT Regional Bridge	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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 The bridge inspection team will work with State officials in establishing a detour route. Any brid prior to signing the detour route. 	District maintenance or local highway maintenance lge 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:		
REGION BRIDGE ENGINEER	(423) 290-7467		
DISTRICT MAINTENANCE SUPERVISOR	(931) 434-1713		
TENNESSEE HIGHWAY PATROL	(423) 634-6898		
- Summarize and submit findings from the inspection to BridgeWatch scour monitoring system. The report shall include the date and time of the inspection, a brief summary of findings and, as appropriate, photographs of the bridge and stream channel measurements. If significant scouring has occurred, the report shall also be copied to Bridge Inspection Headquarters.			
COMMENTS:			
Suggested List of Equipment to conduct the Inspection Latest Bridge Inspection Report Scour POA Report with the above Checklist	<u>on:</u>		
Bridge Design Plans, if available			
Tape measure with weight			
Plumb bob			
Range Pole			
A 1000 Foot Roll of yellow Polyethylene Barricade Tap	pe printed with the following message:		
CAEETY HAZADD KEED A	MAV		

PUBLICATION DATE

A roll of Duct Tape

A Barricade Tape Dispenser with serrated cutter

TDOT radio directory (State Personnel only)

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

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

Traffic Cones - Minimum of four (4)

07-Nov-24