## HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: 09SR0010041

BRIDGE OWNER: STATE OF TENNESSEE

ROAD NAME: US70

CROSSING: BIG SANDY RIVER

LATITUDE:: N 36.03703 DEGREES
LONGITUDE: W 88.22933 DEGREES

COUNTY: CARROLL
ROUTE: SR001
SPECIAL CASE: 0
COUNTY SEQUENCE: 1
LOG MILE: 31.47

LON	NGHODE: W 88.22933 DEGREES	YEAR BUILT: 1950	
		TYPE OF SUPERSTRUCTURE	
MAIN SPAN:	CONCRETE - TEE BEAM	APPR. SPAN: CONCRETE - TEE BEAM	
		TYPE OF SUBSTRUCTURE	
ABUTMENTS:	CONCRETE STUB ABUTMENT ON O	CONCRETE PILE FOUNDATION	
BENTS:	NOT APPLICABLE		
PIERS:	CONCRETE COLUMNS WITH SOLID	O WEB WALL (DUMB BELL) ON TIMBER PILE FOUNDATION	
		SCOUR EVALUATION	
	our critical; bridge foundations de stalled and is in good condition.	etermined to be unstable for calculated scour conditions. Rip-rap protection	
		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>s:</u>	
[ ] - Span	movement - horizontally as w	ell as vertically	
1. 0	Check displacement / deflectio	n along curb line, both bridge rails and outer edge of bridge deck.	
2. 0	Check for plumb of piers or be	nts.	
[ ] - Chec	k for embankment erosion		
[ ] - Chec	k for drift build-up on piers or	bents	
[ ] - Chec	k pier exposure, if possible, ar	nd compare to previous inspection	
[ ] - Revie	w the latest bridge inspection	report versus current field conditions	
<u>If Closure is</u>	recommended:		
Coun temp	nty or City Maintenance Persor	cross road until bridge is secured and properly closed by District, nnel. Use Barricade Tape, traffic cones and/or traffic flares as rists to stay off of the bridge until such time as the bridge may	
[ ] - Conta	act: (1) District Maintenance S	Supervisor ( if bridge is State maintained )	
	(2) City or County Highwa	y Maintenance Official ( if bridge is not State maintained )	
	(3) Tennessee Highway P	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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	tate District maintenance or local highway maintenance bridge on the selected detour route shall be checked	
<ul> <li>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.</li> </ul>		
CONTACT PERSONNEL:	TELEPHONE NUMBER:	
REGION BRIDGE ENGINEER	(731) 234-9561	
DISTRICT MAINTENANCE SUPERVISOR	(731) 571-8883	
TENNESSEE HIGHWAY PATROL	(731) 423-6635	
] - 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 Inspectatest Bridge Inspection Report	ection:	
Scour POA Report with the above Checklist		
Bridge Design Plans, if available		
Tape measure with weight		
Plumb bob		
Range Pole	Tong printed with the following manager.	
A 1000 Foot Roll of yellow Polyethylene Barricade SAFETY HAZARD KEF		
SAFELT BAZARU NEE	EP AVVAI	

**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