HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: 41SR0500031

BRIDGE OWNER: STATE OF TENNESSEE

ROAD NAME: SR50

CROSSING: DUCK RIVER

COUNTY: HICKMAN ROUTE: SR050 SPECIAL CASE: 0 COUNTY SEQUENCE: 1

	TITUDE:: N 35.72033 DEGREES LOG MILE: 30.55 NGITUDE: W 87.26780 DEGREES YEAR BUILT: 1951	
	TYPE OF SUPERSTRUCTURE -	
MAIN SPAN:	STEEL CONTINUOUS - STRINGER/MULTI-BEAM OR APPR. SPAN: CONCRETE - TEE BEAM GIRDER	
	TYPE OF SUBSTRUCTURE -	
ABUTMENTS:	CONCRETE SPILL THROUGH ABUTMENT ON STEEL PILE FOUNDATION	
BENTS:	CONCRETE COLUMN THREE POST BENT ON STEEL PILE FOUNDATION	
PIERS:	CONCRETE SOLID SHAFT PIER ON STEEL PILE FOUNDATION	
	SCOUR EVALUATION -	
	our critical; bridge foundations determined to be unstable for calculated scour conditions. No scour sures are installed but they are needed.	
	INSPECTION PROCEDURES —	
What Initiat	ed the Call-out Inspection? [] BridgeWatch Alert	
	[] TDOT District or Local Maintenance Personnel	
	[] THP or Local Law Enforcement Personnel	
	[] Other:	
[] - Span 1. C 2. C [] - Chec [] - Chec	heck on a bridge during floods: movement - horizontally as well as vertically Check displacement / deflection along curb line, both bridge rails and outer edge of bridge deck. Check for plumb of piers or bents. k for embankment erosion k for drift build-up on piers or bents k pier exposure, if possible, and compare to previous inspection ew the latest bridge inspection report versus current field conditions	
If Closure is	recommended:	
Coun temp	at bridge with vehicle pulled across road until bridge is secured and properly closed by District, ity or City Maintenance Personnel. Use Barricade Tape, traffic cones and/or traffic flares as orary measures to warn motorists to stay off of the bridge until such time as the bridge may operly closed and barricaded.	
[] - Conta	act: (1) District Maintenance Supervisor (if bridge is State maintained)	
	(2) City or County Highway Maintenance Official (if bridge is not State maintained)	
	(3) Tennessee Highway Patrol 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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	with State District maintenance or local highway maintenance e. Any bridge 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	(615) 476-8860	
DISTRICT MAINTENANCE SUPERVISOR	(931) 205-6399	
TENNESSEE HIGHWAY PATROL	(931) 766-1425	
] - 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 th	e Inspection:	
Latest Bridge Inspection Report		
Scour POA Report with the above Checklist	t	
Bridge Design Plans, if available		
Tape measure with weight		
Plumb bob		
Range Pole		
	rricade Tape printed with the following message:	
SAFETY HAZA	RD KEEP AWAY	

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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