HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: 57SR0010005					COUNTY:	MADISON		
BRIDGE OWNER: STATE OF TENNESSEE			NESSEE		ROUTE:	SR001		
ROAD NAME: US70					SPECIAL CASE:	0		
CROSSING: BRANCH					COUNTY SEQUENCE:	1		
LATITUDE::	Ν	35.61456	DEGREES		LOG MILE:	5.47		
LONGITUDE:	w	88.99108	DEGREES		YEAR BUILT:	1925		
				TYPE OF SUPERSTRUCTURE				
MAIN SPAN: CONCR	ETE	- TEE BEAM	I	APPR. SPAN:	NOT APPLICABLE			
				TYPE OF SUBSTRUCTURE				
ABUTMENTS: CONCRETE STUB ABUTMENT ON TIMBER PILE FOUNDATION								
BENTS: CONCR	NTS: CONCRETE PILE BENT ON PILE FOUNDATION							
PIERS: NOT AP	PLIC	ABLE						
				SCOUR EVALUATION				
Bridge is scour critic has been installed a		•		ermined to be unstable for cal	culated scour conditions. I	Rip-rap protection		
				INSPECTION PROCEDURES				
What Initiated the Call-out Inspection?			ction?	[] BridgeWatch Alert				
				[] TDOT District or Loca	al Maintenance Personne	el		

- 1 TUD on Local Low Enforcement Barrow
- [] THP or Local Law Enforcement Personnel
- [] Other: _

Things to check on a bridge during floods:

- [] Span movement horizontally as well as vertically
 - 1. Check displacement / deflection along curb line, both bridge rails and outer edge of bridge deck.
 - 2. Check for plumb of piers or bents.
- [] Check for embankment erosion
- [] Check for drift build-up on piers or bents
- [] Check pier exposure, if possible, and compare to previous inspection
- [] Review the latest bridge inspection report versus current field conditions

If Closure is recommended:

- [] Stay at bridge with vehicle pulled across road until bridge is secured and properly closed by District, County or City Maintenance Personnel. Use Barricade Tape, traffic cones and/or traffic flares as temporary measures to warn motorists to stay off of the bridge until such time as the bridge may be properly closed and barricaded.
- [] Contact: (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

17-Apr-19

BRIDGE ID 57SR0010005



- [] The bridge inspection team will work with State District maintenance or local highway maintenance officials in establishing a detour route. Any bridge on the selected detour route shall be checked prior to signing the detour route.
- [] 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	(731) 234-9561
DISTRICT MAINTENANCE SUPERVISOR	(731) 694-6673
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 Inspection:

Latest Bridge Inspection Report

Scour POA Report with the above Checklist

Bridge Design Plans, if available

Tape measure with weight

Plumb bob

Range Pole

A 1000 Foot Roll of yellow Polyethylene Barricade Tape printed with the following message:

SAFETY HAZARD KEEP AWAY

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)

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