HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: 46S23740001

BRIDGE OWNER: STATE OF TENNESSEE

ROAD NAME: SR167 CROSSING: DOE CREEK

LATITUDE:: N 36.38692 DEGREES **DEGREES**

COUNTY: JOHNSON ROUTE: SR167 SPECIAL CASE: 0 COUNTY SEQUENCE: 1 LOG MILE: 0.15

LONGITUDE: W 81.96798 YEAR BUILT: 1945 TYPE OF SUPERSTRUCTURE = MAIN SPAN: **CONCRETE - TEE BEAM** APPR. SPAN: NOT APPLICABLE TYPE OF SUBSTRUCTURE ABUTMENTS: CONCRETE STUB ABUTMENT ON STEEL PILE FOUNDATION BENTS: **NOT APPLICABLE** PIERS: CONCRETE COLUMNS WITH SOLID WEB WALL (DUMB BELL) ON STEEL PILE FOUNDATION **SCOUR EVALUATION** Bridge has unknown foundations. Risk of scour cannot be determined. The bridge shall be monitored for distress during significant flood events. Monitor bridge in lieu of installing scour countermeasures. **INSPECTION PROCEDURES** [] BridgeWatch Alert What Initiated the Call-out Inspection? [1 TDOT District or Local Maintenance Personnel [] 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

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[] - The bridge inspection team will work with State District maintenance or local highway maintenance



officials in establishing a detour route. An prior to signing the detour route.	y bridge on the selected detour route shall be checked
	FDOT bridge inspection team checks the substructure turally stable.
CONTACT PERSONNEL:	TELEPHONE NUMBER:
REGION BRIDGE ENGINEER	(865) 712-8292
DISTRICT MAINTENANCE SUPERVISOR	(423) 202-5393
TENNESSEE HIGHWAY PATROL	(423) 348-6144
	and stream channel measurements. If significant so be copied to Bridge Inspection Headquarters.
Suggested List of Equipment to conduct the Insp	pection:
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 Barricad	de Tape printed with the following message:

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

SAFETY HAZARD KEEP AWAY

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

TDOT radio directory (State Personnel only)