HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: 45025160003

BRIDGE OWNER: JEFFERSON COUNTY

ROAD NAME: **BELL RD**CROSSING: **LONG CREEK**

LATITUDE:: N 36.11055 DEGREES
LONGITUDE: W 83.30783 DEGREES

COUNTY: JEFFERSON
ROUTE: 02516
SPECIAL CASE: 0
COUNTY SEQUENCE: 1
LOG MILE: 2.09

YEAR BUILT: 1918 TYPE OF SUPERSTRUCTURE = MAIN SPAN-**CONCRETE - TEE BEAM** APPR. SPAN: NOT APPLICABLE TYPE OF SUBSTRUCTURE ABUTMENTS: CONCRETE FULL HEIGHT ABUTMENT ON ROCK FOUNDATION BENTS: **NOT APPLICABLE** PIERS: **CONCRETE SOLID SHAFT PIER ON ROCK 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)

PUBLICATION DATE

07-Nov-24

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(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

[] - The Bridge should remain closed until the water recedes and a daylight visual inspection is made

(4) TDOT Regional Bridge Engineer

by a TDOT bridge inspection team.

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	ork with State District maintenance or local highway maintenance oute. Any bridge on the selected detour route shall be checked
[] - The bridge can be re-opened only units and they are determined to	after a TDOT bridge inspection team checks the substructure be structurally stable.
CONTACT PERSONNEL:	TELEPHONE NUMBER:
COUNTY MAYOR'S OFFICE	(865) 397-3800
HWY. CHIEF ADMINISTRATOR'S OFFICE	(865) 397-2155
COUNTY SHERIFF'S OFFICE	(865) 397-9411
 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 conduc	t the Inspection:
Latest Bridge Inspection Report	
Scour POA Report with the above Check	klist
Bridge Design Plans, if available	
Tape measure with weight	
Plumb bob	
Range Pole	
	Barricade Tape printed with the following message:
SAFETY HA	ZARD 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)

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