

HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: **52SR1210001**
 BRIDGE OWNER: **STATE OF TENNESSEE**
 ROAD NAME: **JOHN HUNTER HWY**
 CROSSING: **JENNY RIVER**
 LATITUDE: **N 34.99675 DEGREES**
 LONGITUDE: **W 86.38255 DEGREES**

COUNTY: **LINCOLN**
 ROUTE: **SR121**
 SPECIAL CASE: **0**
 COUNTY SEQUENCE: **1**
 LOG MILE: **0.53**
 YEAR BUILT: **1930**

TYPE OF SUPERSTRUCTURE

MAIN SPAN: **PRESTRESSED CONCRETE CONTINUOUS - BOX BEAM OR GIRDERS - SINGLE OR SPREAD** APPR. SPAN: **NOT APPLICABLE**

TYPE OF SUBSTRUCTURE

ABUTMENTS: **CONCRETE FULL HEIGHT ABUTMENT ON CONCRETE SPREAD FOOTING FOUNDATION**
 BENTS: **NOT APPLICABLE**
 PIERS: **CONCRETE SOLID SHAFT PIER ON CONCRETE SPREAD FOOTING FOUNDATION**

SCOUR EVALUATION

Bridge has unknown foundations. Risk of scour cannot be determined. The bridge shall be monitored for distress during significant flood events. Rip-rap protection has been installed and is in good condition.

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 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.

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