

# HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: 17SR1520001  
 BRIDGE OWNER: STATE OF TENNESSEE  
 ROAD NAME: QUINCY RD  
 CROSSING: BUCK CREEK  
 LATITUDE:: N 35.83428 DEGREES  
 LONGITUDE: W 89.10039 DEGREES

COUNTY: CROCKETT  
 ROUTE: SR152  
 SPECIAL CASE: 0  
 COUNTY SEQUENCE: 1  
 LOG MILE: 4.75  
 YEAR BUILT: 1960

## TYPE OF SUPERSTRUCTURE

MAIN SPAN: CONCRETE - CHANNEL BEAM

APPR. SPAN: NOT APPLICABLE

## TYPE OF SUBSTRUCTURE

ABUTMENTS: CONCRETE STUB ABUTMENT ON CONCRETE PILE FOUNDATION

BENTS: CONCRETE PILE BENT ON PILE FOUNDATION

PIERS: NOT APPLICABLE

## SCOUR EVALUATION

Bridge is scour critical; bridge foundations determined to be unstable for calculated scour conditions. No scour countermeasures are installed but they are needed.

## 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.

PUBLICATION DATE

17-Apr-19

BRIDGE ID

17SR1520001

# HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



- [ ] - 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

(901) 543-6256

- [ ] - 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)

**PUBLICATION DATE**

**17-Apr-19**

**BRIDGE ID**  
17SR1520001