

# HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: **800A0280001**  
 BRIDGE OWNER: **SMITH COUNTY**  
 ROAD NAME: **OLD KEMP HOLLOW LANE**  
 CROSSING: **PEYTON CREEK**  
 LATITUDE: **N 36.32355 DEGREES**  
 LONGITUDE: **W 85.96773 DEGREES**

COUNTY: **SMITH**  
 ROUTE: **0A028**  
 SPECIAL CASE: **0**  
 COUNTY SEQUENCE: **1**  
 LOG MILE: **0.03**  
 YEAR BUILT: **1930**

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### TYPE OF SUPERSTRUCTURE

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MAIN SPAN: **STEEL CONTINUOUS - STRINGER/MULTI-BEAM OR GIRDER**      APPR. SPAN: **NOT APPLICABLE**

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### TYPE OF SUBSTRUCTURE

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ABUTMENTS: **CONCRETE FULL HEIGHT ABUTMENT ON CONCRETE SPREAD FOOTING FOUNDATION**  
 BENTS: **NOT APPLICABLE**  
 PIERS: **CONCRETE COLUMNS WITH SOLID WEB WALL (DUMB BELL) ON CONCRETE FOOTING WITH SUB-FOUNDATION UNKNOWN FOUNDATION**

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### SCOUR EVALUATION

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Bridge is scour critical; Bridge has failed and is closed to traffic. Monitor bridge in lieu of installing scour countermeasures.

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### INSPECTION PROCEDURES

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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**

**07-Nov-24**

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- [ ] - 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:

COUNTY MAYOR'S OFFICE

(615) 735-2294

HWY. CHIEF ADMINISTRATOR'S OFFICE

(615) 683-3326

COUNTY SHERIFF'S OFFICE

(615) 735-2626

- [ ] - 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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