

# HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: **79014660007**  
 BRIDGE OWNER: **SHELBY COUNTY**  
 ROAD NAME: **KERR-ROSEMARK RD**  
 CROSSING: **OVERFLOW**  
 LATITUDE: **N 35.36511 DEGREES**  
 LONGITUDE: **W 89.80014 DEGREES**

COUNTY: **SHELBY**  
 ROUTE: **01466**  
 SPECIAL CASE: **0**  
 COUNTY SEQUENCE: **1**  
 LOG MILE: **3.37**  
 YEAR BUILT: **1965**

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<b>TYPE OF SUPERSTRUCTURE</b>		
MAIN SPAN:	<b>CONCRETE - CHANNEL BEAM</b>	APPR. SPAN: <b>NOT APPLICABLE</b>

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<b>TYPE OF SUBSTRUCTURE</b>	
ABUTMENTS:	<b>CONCRETE STUB ABUTMENT ON CONCRETE PILE FOUNDATION</b>
BENTS:	<b>CONCRETE COLUMN FOUR OR MORE POST BENT ON PILE FOUNDATION</b>
PIERS:	<b>NOT APPLICABLE</b>

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**SCOUR EVALUATION**

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Bridge is scour critical; bridge foundations determined to be unstable for calculated scour conditions. Rip-rap protection has been installed and is in fair condition. Some minor repairs to the protection system are needed.

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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	(901) 545-4500
HWY. CHIEF ADMINISTRATOR'S OFFICE	(901) 379-4414
PUBLIC WORKS DIRECTOR	(901) 545-4266
COUNTY SHERIFF'S OFFICE	(901) 545-5500

- [ ] - 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:** \_\_\_\_\_

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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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