## HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: **750A7210001**BRIDGE OWNER: **TOWN OF SMYRNA** 

ROAD NAME: SWAN DR

CROSSING: STEWART CREEK

LATITUDE:: N 36.00178 DEGREES LONGITUDE: W 86.50558 DEGREES

COUNTY: RUTHERFORD
ROUTE: 0A721
SPECIAL CASE: 0
COUNTY SEQUENCE: 1
LOG MILE: 0.50

YEAR BUILT: 1940

		TYPE OF SUPERSTRUCTURE
MAIN SPAN:	STEEL - STRINGER/MULTI-BEAM O	
		TYPE OF SUBSTRUCTURE
ABUTMENTS:	CONCRETE FULL HEIGHT ABUTME	IT ON UNKNOWN FOUNDATION
BENTS:	NOT APPLICABLE	
PIERS:	CONCRETE SOLID SHAFT PIER ON	UNKNOWN FOUNDATION
		SCOUR EVALUATION
		ur cannot be determined. The bridge shall be monitored for distress in lieu of installing scour countermeasures.
		INSPECTION PROCEDURES
What Initiat	ed the Call-out Inspection?	[ ] BridgeWatch Alert
What initiated the Jan-Jut mapeenon:		TDOT District or Local Maintenance Personnel
		THP or Local Law Enforcement Personnel
		[ ] Other:
Things to c	heck on a bridge during floods	<u>.</u>
[ ] - Span	movement - horizontally as we	all as vertically
	•	along curb line, both bridge rails and outer edge of bridge deck.
	Check for plumb of piers or ber	
	k for embankment erosion	
	k for drift build-up on piers or	pents
	• •	d compare to previous inspection
		report versus current field conditions
[ ]	, and latest bridge mepoenen	
<u>If Closure is</u>	recommended:	
Coun temp	nty or City Maintenance Person	ross road until bridge is secured and properly closed by District, nel. Use Barricade Tape, traffic cones and/or traffic flares as sts to stay off of the bridge until such time as the bridge may
[ ] - Conta	act: (1) District Maintenance S	upervisor ( if bridge is State maintained )
	(2) City or County Highwa	Maintenance Official (if bridge is not State maintained)
	(3) Tennessee Highway Pa	trol and/or local law enforcement Officers as appropriate
	(4) TDOT Regional Bridge	Engineer
[ ] - The E	Bridge should remain closed u	til the water recedes and a daylight visual inspection is made

## **PUBLICATION DATE**

by a TDOT bridge inspection team.

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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.			
	<ul> <li>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.</li> </ul>		
CONTACT PERSONNEL:	TELEPHONE NUMBER:		
CITY MAYOR'S OFFICE	(615) 459-2553		
CITY ENGINEER'S OFFICE	(615) 459-2553		
POLICE OFFICE	(615) 459-6644		
PUBLIC WORKS DIRECTOR	(615) 459-2553		
<ul> <li>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.</li> <li>COMMENTS:</li></ul>			
Suggested List of Equipment to conduct the Inspection	on:		
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 A	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)

07-Nov-24