HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: 110A1420001

BRIDGE OWNER: CHEATHAM COUNTY

ROAD NAME: WATER PLANT RD

CROSSING: WATER PLANT RD / BRANCH
LATITUDE:: N 36.32005 DEGREES
LONGITUDE: W 87.05068 DEGREES

COUNTY: CHEATHAM
ROUTE: 0A142
SPECIAL CASE: 0
COUNTY SEQUENCE: 1
LOG MILE: 0.03
YEAR BUILT: 1960

		TYPE OF SUPERSTRUCTURE	
MAIN SPAN:	CONCRETE - TEE BEAM	APPR. SPAN: NOT APPLICABLE	
		TYPE OF SUBSTRUCTURE	
ABUTMENTS:	CONCRETE STUB ABUTMENT ON U	NKNOWN 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 Initiated the Call-out Inspection? [] BridgeWatch Alert			
		[] TDOT District or Local Maintenance Personnel	
		[] THP or Local Law Enforcement Personnel	
		[] Other:	
Things to c	<u>heck on a bridge during floods</u>	<u>:</u>	
[] - Span	movement - horizontally as we	ell as vertically	
1. Check displacement / deflection along curb line, both bridge rails and outer edge of bridge deck.			
2. 0	Check for plumb of piers or ben	its.	
[] - 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:		
		cross road until bridge is secured and properly closed by District,	
Coun temp	nty or City Maintenance Person	nel. Use Barricade Tape, traffic cones and/or traffic flares as ists to stay off of the bridge until such time as the bridge may	
_		upervisor (if bridge is State maintained)	
[]	` '	/ Maintenance Official (if bridge is not State maintained)	
		atrol and/or local law enforcement Officers as appropriate	
	(4) TDOT Regional Bridge		
[] - The E	``	ntil the water recedes and a daylight visual inspection is made	
	by a TDOT bridge inspection team.		

PUBLICATION DATE

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 The bridge inspection team will work with State officials in establishing a detour route. Any bri prior to signing the detour route. 	e District maintenance or local highway maintenance dge on the selected detour route shall be checked	
- 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) 792-4316	
HWY. CHIEF ADMINISTRATOR'S OFFICE	(615) 792-4240	
COUNTY SHERIFF'S OFFICE	(615) 792-4341	
] - 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	on:	
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 Ta	pe printed with the following message:	
SAFETY HAZARD KEEP	AWAY	

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)