HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: 79SR0140049

BRIDGE OWNER: STATE OF TENNESSEE
ROAD NAME: AUSTIN PEAY HWY
CROSSING: WEST BEAVER CREEK
LATITUDE:: N 35.38361 DEGREES

COUNTY: SHELBY
ROUTE: SR014
SPECIAL CASE: 0
COUNTY SEQUENCE: 1
LOG MILE: 38.25
VEAP BUILT: 1955

LON	NGHODE: W 89.72522 DEGREES		YEAR BUILT: 1955	
		TYPE OF SUPERSTRUCTURE		
MAIN SPAN:	CONCRETE - TEE BEAM	APPR. SPAN: NOT APPLI	CABLE	
		TYPE OF SUBSTRUCTURE		
ABUTMENTS:	CONCRETE STUB ABUTMENT ON O	ONCRETE PILE FOUNDATION		
BENTS:	CONCRETE PILE BENT ON PILE FOUNDATION OTHER ON UNKNOWN FOUNDATION			
PIERS:				
		SCOUR EVALUATION		
Bridge is sco	our critical; bridge foundations de	termined to be unstable for calculated sco	ur conditions. Rip-rap protection	
has been ins	stalled and is in good condition.			
		INSPECTION PROCEDURES -		
What Initiated the Call-out Inspection?		[] BridgeWatch Alert		
		[] TDOT District or Local Maintena	nce 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 w	ell as vertically		
1. 0	Check displacement / deflectio	n along curb line, both bridge rails and	outer edge of bridge deck.	
2. 0	Check for plumb of piers or be	nts.		
[] - Chec	k for embankment erosion			
[] - Chec	k for drift build-up on piers or	bents		
[] - Chec	k pier exposure, if possible, aı	d compare to previous inspection		
[] - Revie	ew the latest bridge inspection	report versus current field conditions		
lf Closure is	recommended:			
		cross road until bridge is secured and p	properly closed by District	
	-	nel. Use Barricade Tape, traffic cones a		
		ists to stay off of the bridge until such	ime as the bridge may	
-	operly closed and barricaded.			
[] - Conta	` '	upervisor (if bridge is State maintaine	•	
		y Maintenance Official (if bridge is not	•	
	` '	atrol and/or local law enforcement Offic	ers as appropriate	
	(4) TDOT Regional Bridge	_		
	Bridge should remain closed u TDOT bridge inspection team.	ntil the water recedes and a daylight vis	ual inspection is made	

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officia	•	e District maintenance or local highway maintenance idge 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.		
CONTAC	CT PERSONNEL:	TELEPHONE NUMBER:	
REGION	BRIDGE ENGINEER	(731) 234-9561	
DISTRIC	CT MAINTENANCE SUPERVISOR	(901) 484-2610	
TENNES	SSEE HIGHWAY PATROL	(901) 543-6256	
The repart as approximately	port shall include the date and time of the ropriate, photographs of the bridge and	ection to BridgeWatch scour monitoring system. see inspection, a brief summary of findings and, stream channel measurements. If significant copied to Bridge Inspection Headquarters.	
COMMENTS:			
Suggested L	ist of Equipment to conduct the Inspect	ion:	
Latest Bridge	e Inspection Report		
	Report with the above Checklist		
	ın Plans, if available		
•	re with weight		
Plumb bob			
Range Pole			
A 1000 Foot	Roll of yellow Polyethylene Barricade Ta		
	SAFETY HAZARD KEEP	AVVAT	

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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)

17-Apr-19