HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: 47024200001
BRIDGE OWNER: KNOX COUNTY
ROAD NAME: YARNELL RD
CROSSING: HICKORY CREEK

LATITUDE:: N 35.89132 DEGREES
LONGITUDE: W 84.22273 DEGREES

COUNTY: KNOX
ROUTE: 02420
SPECIAL CASE: 0
COUNTY SEQUENCE: 1
LOG MILE: 5.33
YEAR BUILT: 1966

LON	AGITODE. W 84.22213 DEGREES	TEAR BOILT. 1900		
		TYPE OF SUPERSTRUCTURE		
MAIN SPAN:	CONCRETE - BOX BEAM OR GIRDE	RS - MULTIPLE APPR. SPAN: NOT APPLICABLE		
		TYPE OF SUBSTRUCTURE		
ABUTMENTS:	CONCRETE FULL HEIGHT ABUTME	NT ON UNKNOWN FOUNDATION		
BENTS:	NOT APPLICABLE			
PIERS:	NOT APPLICABLE			
		CCOUR EVALUATION		
Duides been	unlun avum favum dationa. Diale af an	SCOUR EVALUATION		
		our cannot be determined. The bridge shall be monitored for distress e 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	heck on a bridge during floods	<u>5:</u>		
[] - Span	movement - horizontally as w	ell as vertically		
		n along curb line, both bridge rails and outer edge of bridge deck.		
	Check for plumb of piers or be			
	k for embankment erosion			
	k for drift build-up on piers or	bents		
		nd compare to previous inspection		
[] - Review the latest bridge inspection report versus current field conditions				
	5 .	•		
<u>If Closure is</u>	recommended:			
Coun temp	ty or City Maintenance Persor	cross road until bridge is secured and properly closed by District, nnel. Use Barricade Tape, traffic cones and/or traffic flares as rists to stay off of the bridge until such time as the bridge may		
[] - Conta	act: (1) District Maintenance S	Supervisor (if bridge is State maintained)		
	(2) City or County Highwa	y Maintenance Official (if bridge is not State maintained)		
	(3) Tennessee Highway Pa	atrol and/or local law enforcement Officers as appropriate		
	(4) TDOT Regional Bridge	Engineer		
	Bridge should remain closed u TDOT bridge inspection team.	ntil the water recedes and a daylight visual inspection is made		

PUBLICATION DATE

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		District maintenance or local highway maintenance ge on the selected detour route shall be checked	
[] -T	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.		
<u>C</u>	CONTACT PERSONNEL:	TELEPHONE NUMBER:	
C	COUNTY MAYOR'S OFFICE	(865) 215-2005	
H	HWY. CHIEF ADMINISTRATOR'S OFFICE	(865) 215-5800	
C	COUNTY SHERIFF'S OFFICE	(865) 215-2432	
T a] - 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.		
COMME	NTS:		
Latest	sted List of Equipment to conduct the Inspection Bridge Inspection Report POA Report with the above Checklist	<u>1:</u>	
	Design Plans, if available		
	neasure with weight		
Plumb	bob		
Range	Pole		
A 1000	Foot Roll of yellow Polyethylene Barricade Tape	e printed with the following message:	
	SAFETY HAZARD KEED AL	NAV	

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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