HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: 470D5760001
BRIDGE OWNER: KNOX COUNTY
ROAD NAME: MINE RD
CROSSING: FLAT CREEK

LATITUDE:: N 36.07763 DEGREES

COUNTY: KNOX
ROUTE: 01273
SPECIAL CASE: 0
COUNTY SEQUENCE: 1
LOG MILE: 0.97
YEAR BUILT: 1950

LON	NGITUDE: W 83.74313 DEGREES	YEAR BUILT: 1950	
MAIN SPAN:	CONCRETE - TEE BEAM	TYPE OF SUPERSTRUCTURE APPR. SPAN: NOT APPLICABLE	
		TYPE OF SUBSTRUCTURE	
ABUTMENTS:	CONCRETE FULL HEIGHT ABUTME		
BENTS:		RE POST BENT ON UNKNOWN FOUNDATION	
PIERS:	NOT APPLICABLE		
		SCOUR EVALUATION	
Delder Lee	al an article de Diel at an	SCOUR EVALUATION ————————————————————————————————————	
		our 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>	
1. 0	movement - horizontally as w Check displacement / deflectio Check for plumb of piers or be	n along curb line, both bridge rails and outer edge of bridge deck.	
	k for embankment erosion		
	k for drift build-up on piers or	bents	
		d compare to previous 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 Persor	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	
[] - Conta	act: (1) District Maintenance S	upervisor (if bridge is State maintained)	
	(2) City or County Highwa	y Maintenance Official (if bridge is not State maintained)	
	(3) Tennessee Highway P	atrol 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

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	ork with State District maintenance or local highway maintenance oute. Any bridge 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	(865) 215-2005		
HWY. CHIEF ADMINISTRATOR'S OFFICE	(865) 215-5800		
COUNTY SHERIFF'S OFFICE	(865) 215-2432		
] - 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			
Scour POA Report with the above Check	list		
Bridge Design Plans, if available			
Tape measure with weight			
Plumb bob			
Range Pole			
	Barricade Tape printed with the following message:		
SAFETY HA	ZARD KEEP 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