## HIGHWAY BRIDGE SCOUR PLAN OF ACTION REPORT



BRIDGE ID NUMBER: 820C5610001
BRIDGE OWNER: SULLIVAN COUNTY

ROAD NAME: **DERBY DR**CROSSING: **HORSE CREEK** 

LATITUDE:: N 36.45900 DEGREES
LONGITUDE: W 82.60800 DEGREES

COUNTY: SULLIVAN
ROUTE: 0C561
SPECIAL CASE: 0
COUNTY SEQUENCE: 1
LOG MILE: 0.04
VEAR BUILT: 1975

LON	AGITODE. W 62.60600 DEGREES	TEAR BOILT. 1975		
		TYPE OF SUPERSTRUCTURE	_	
MAIN SPAN:	STEEL - STRINGER/MULTI-BEAM O	R GIRDER APPR. SPAN: NOT APPLICABLE		
		TYPE OF SUBSTRUCTURE	_	
ABUTMENTS:	CONCRETE FULL HEIGHT ABUTME	NT ON CONCRETE SPREAD FOOTING FOUNDATION		
BENTS:	NOT APPLICABLE			
PIERS:	CONCRETE SOLID SHAFT PIER ON	CONCRETE SPREAD FOOTING FOUNDATION		
		SCOUR EVALUATION		
Bridge is sec	our critical: bridge foundations de	termined to be unstable for calculated scour conditions. Rip-rap protection	,	
		ective. Major repair or replacement of the protection system is needed.		
		INSPECTION PROCEDURES	_	
What Initiat	ed 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. C	Check displacement / deflection	n along curb line, both bridge rails and outer edge of bridge deck.		
2. 0	Check for plumb of piers or bei	nts.		
[ ] - Chec	k for embankment erosion			
[ ] - Chec	k for drift build-up on piers or	bents		
[ ] - Chec	k pier exposure, if possible, ar	d compare to previous inspection		
[ ] - Revie	w the latest bridge inspection	report versus current field conditions		
lf Clasura ia	rocommondodi			
	recommended:			
		cross road until bridge is secured and properly closed by District, 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		
	operly closed and barricaded.			
[ ] - 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 Pa	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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[ ] - The bridge inspection team will work with State District maintenance or local highway maintenance



	s in establishing a detour route. Any signing the detour route.	bridge on the selected detour route shall be checked
	dge can be re-opened only after a TD nd they are determined to be structu	OOT bridge inspection team checks the substructure rally stable.
CONTAC	T PERSONNEL:	TELEPHONE NUMBER:
COUNTY	MAYOR'S OFFICE	(423) 323-6417
HWY. CH	HEF ADMINISTRATOR'S OFFICE	(423) 279-2828
COUNTY	SHERIFF'S OFFICE	(423) 279-6064
as appro scouring	opriate, photographs of the bridge a	f the inspection, a brief summary of findings and, nd stream channel measurements. If significant be copied to Bridge Inspection Headquarters.
- - -		
Suggested Lis	st of Equipment to conduct the Inspe	ection:
•	Inspection Report	
	eport with the above Checklist	
	n Plans, if available	
Tape measure	e with weight	
Plumb bob		
Range Pole		
A 1000 Foot R		Tape printed with the following message:
	SAFETY HAZARD KEI	EP 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