12/19

Job No.	J9S3810
Replaces Bridge No.	G0027

Missouri Department of Transportation Bridge Survey Location Request

Page 1 to be completed by District staff.

Bridge over: Erlide Creek				Route:	61				
County: Cape Girardeau	Section	on: 10	0	Township:	33 North	Range:	12 East		
Latitude: 37°33'52.59"N		-	Lor	gitude:89°4	12'4.68"W				
District Contact: Garrett Galyean (57	3-472	-5221)			Date:	5/3/202	3		
HIGH WATER ELEVATIONS AT PROPOSED BRIDGE SITE Recorded high water elevations or elevation of high water marks									
Extreme High Water (EHW) (Give date(s) of occurrence)									
Elevations and date(s) of same		Loca	ation		Source of information				
7.1" Below (1977) Below Centerline Profile			rofile	HW Book 7963-A					
Existing Bridge Overtopped ☐ Yes	Existing Bridge Overtopped ☐ Yes ☐No ☑Unknown								
			Approx	k. Overtopp	ing Location(s) :			
	LOC	CATION O	F NEW	BRIDGE					
Replace in Existing Location Provide details of any proportion or as an attachment.			sed changes t	o profile gra	de below				
Relocation (near existing Structure)		Provide de	ataile of	nronosed I	ocation and d	rade of the I	nadway		
New Route Provide details of proposed location and grad across the floodplain, any proposed/potential					ial channel	,			
Other:		or modifications, etc. below or as an attachment.							

Additional Information:

page 2 & subsequent pages to be completed by Bridge Division

Note:	Proposed elevations, distances, etc. are based on the best available data at the time the form was completed. Actual
	field conditions or recently acquired data may require deviation from the proposed values. Please contact the Bridge
	Division with concerns regarding the proposed values or if large deviations from these values are required.
Note:	The information below supplements the survey requirements noted in the EPG, please consult EPG 238 for additional
	surveying requirements.

Bridge Contact: Landon Bodenschatz, 573-639-1480, Landon.Bodenschatz@modot.mo.gov

Survey Type: 1D Survey		

	Stream Crossing Survey Location Details (1D)								
	Item	Requirement	Standard	Gui	dance	Specific Guidance			
3)	C/L Profile	Terminal Point	Limit of Lo	nge	st offset Profile	Use Standar	Use Standard Guidance		
<u> </u>	Upstream Offset	Terminal Point	Same as V	'alle	ey Sections	Elevation =		435	
iles	Profile	Offset Distance	On Natural	Gr	ound	Estimated Di	stance =	30	
Profiles* 238.3.36	Downstream	Terminal Point	Same as V	'alle	ey Sections	Elevation =		435	
F (EPG	Offset Profile	Offset Distance	On Natural	Gr	ound	Estimated Di	stance =	40	
<u> </u>	Special	N/A							
		Length	Natural Stream		Section limits (Min. of 1000' each side of crossing.)	Use Natural Stream Guidance		ıidance	
Stream	nbed Profiles**		Drainage Ditch		500' Each Side of Crossing				
(EPG 2	38.3.36.3.6)				Within 1000' Nat. Stream 25'				
			of Crossing	of Crossing Drain. Ditch 50'		- Use Natural Stream Guidance		ıidance	
		Elevation Intervals	Beyond 1000' from Crossing At Vertical and Horizontal Break Points (200' max.)		(see EPG 238.3.36.3.6 if a significant slope change is encountered)		gnificant		
Valley	Valley Sections		Natural Stream	5'	above EHW	Elevation =	435		
•	38.3.36.3.8), 50.3.1.1)	Terminal Point	Drainage Ditch	Ва	5' Beyond ankside Toe of evee	Distance =	N/A		

Item	Requirement	Standard Guidance		Specific Guidance
	Wate	er Surface P	rofile Data Needed?	☐ Yes
Water Surface Profile (EPG 238.3.36.3.7)	Locations with flowing water	Drainage Ditch	100' and 200' each side of Crossing	Use Water Surface Profile Standard Guidance

Item	Requirement	Standard Guidance	Specific Guidance
Typical Channel	Typical Channel Se	ection Data Needed? 🗌 Yes	⊠ No
Sections (EPG 238.3.36.3.9)	Within 300' each side of Centerline	Provide when Needed (i.e., Culvert on Perennial and	

Pac	ае	3

Item	Requirement	Standard Guidance	Specific Guidance			
Existing Bridge Data	Ex	Existing Bridge Data Needed? Yes No				
LXISting Bridge Data	Description	Provide General Description	N/A			

Intermittent Stream)

Item	Requirement	Standard Guidance	Specific Guidance	
		Other Bridge Data Needed?	Yes 🛛 No)
Other Bridges	Description	Provide General Description	N/A	
(EPG 238.3.36.3.10)	Profile Location	C/L Structure	N/A	
	Profile Terminal Point	5' above EHW	Elevation =	N/A

^{*} additional profiles may be needed for relocated routes

Additional Information:

Additional Documents Provided:

Image & kmz files showing Valley Section Locations.

Roadway Design Notes for Bridge Survey:

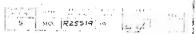
The Bridge Survey should include all the pertinent items listed in EPG 747 and the Bridge Survey Checklist.

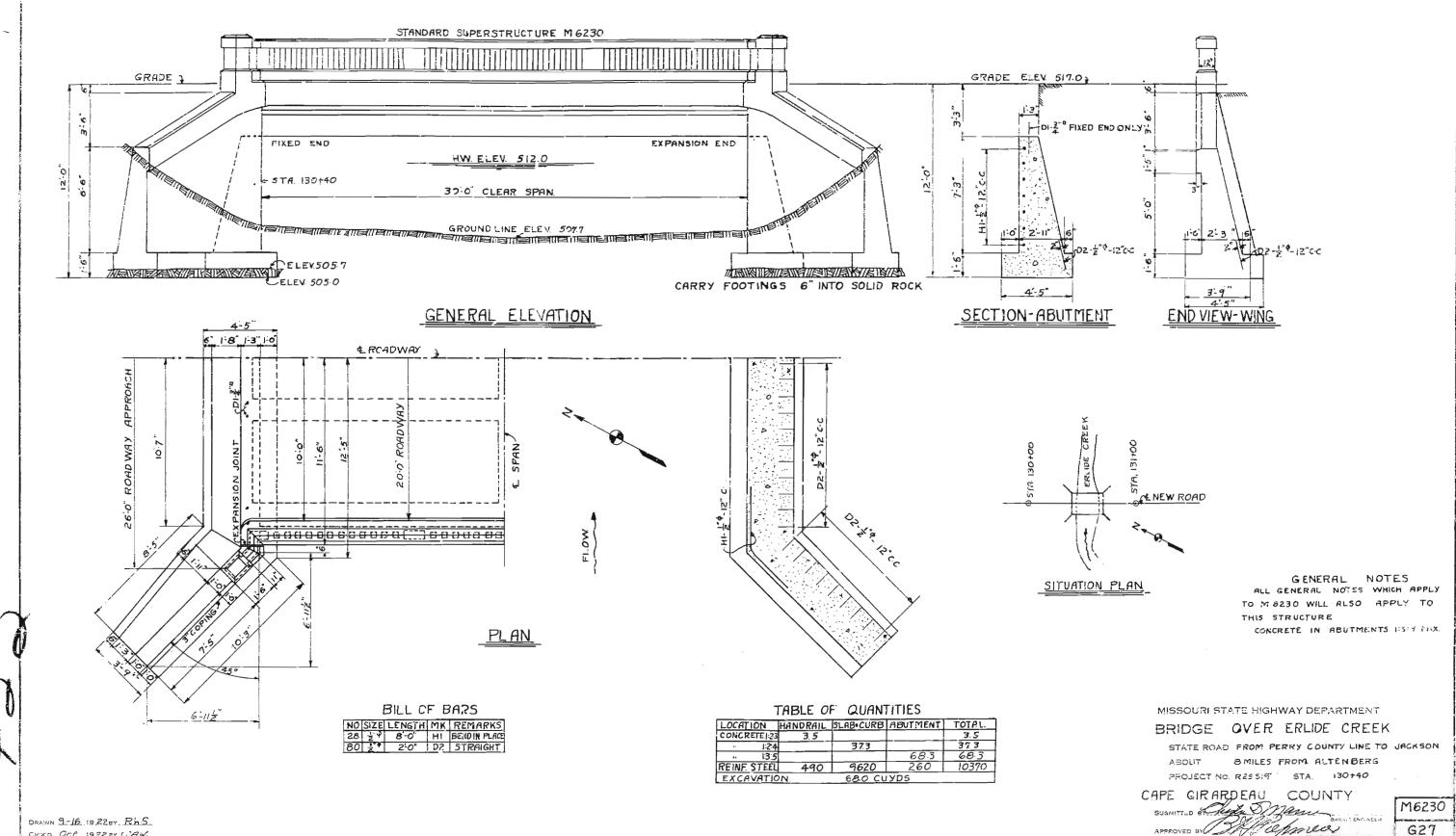
Bridge Design Notes:

According to the TMS flood report, Bridge G0027 has not been overtopped in the last 20 years. FEMA Zone A

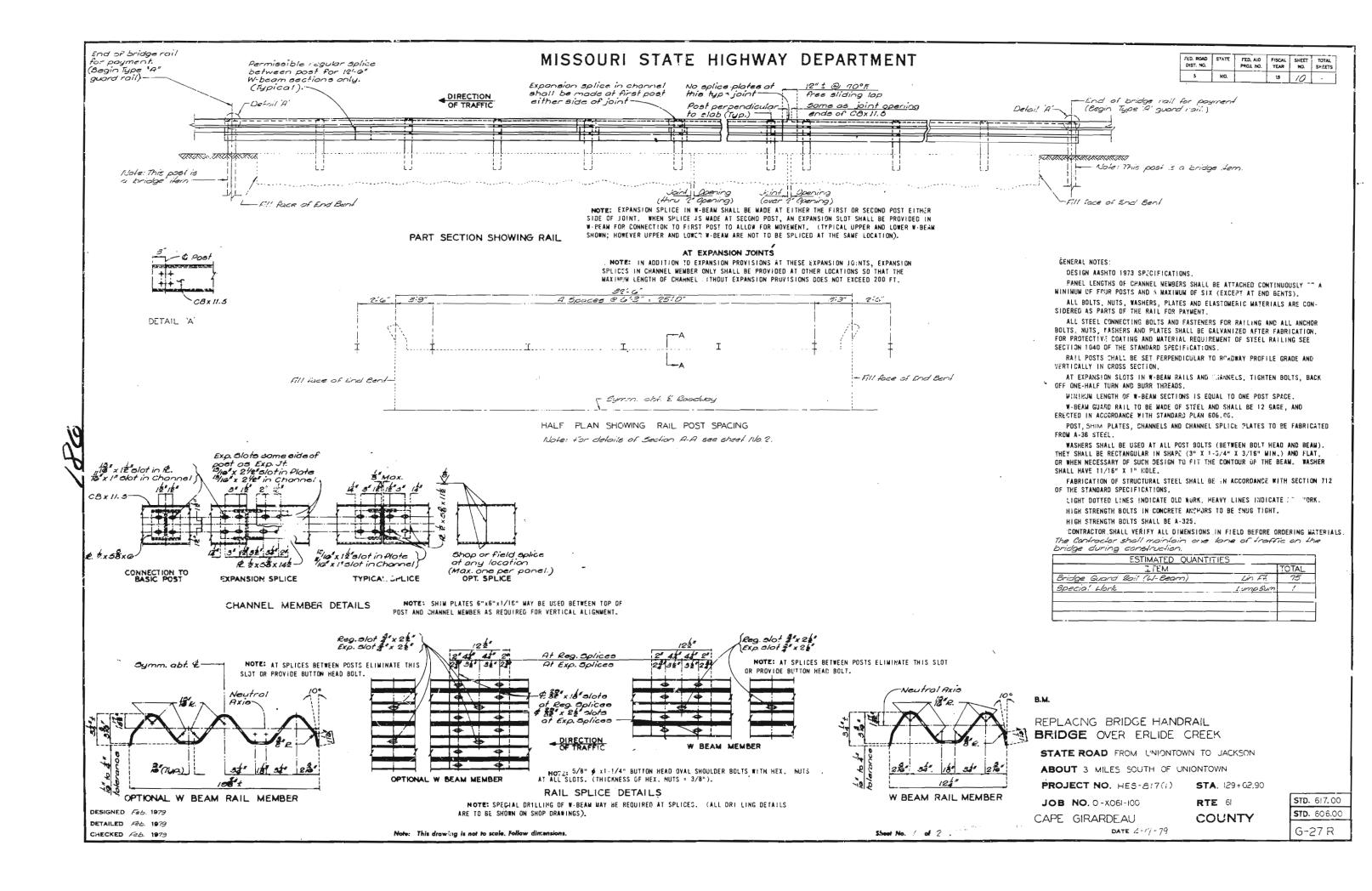
^{**} at confluent streams provide proposed data for both streams as appropriate.





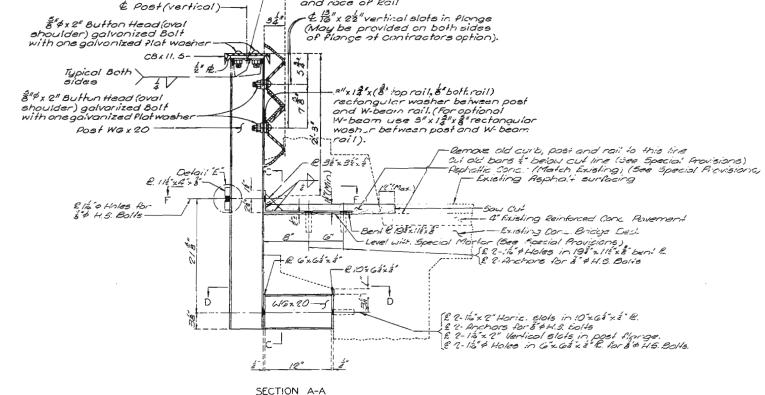


CHIKID OCT. 19.72 BY CORW.



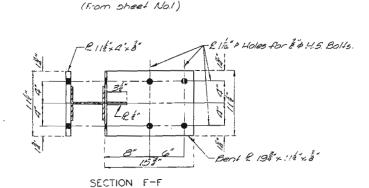
MISSOURI STATE HIGHWAY DEPARTMENT

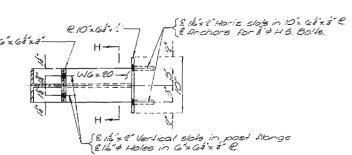
FED. ROAD DIST. NO.	STATE	PEOL NO.		SHEET NO.	SHEETS
5	MQ.	<u> </u>	IJ	11	

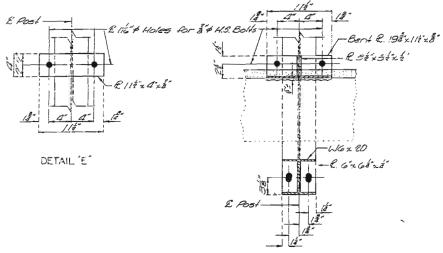


Permissible semi-circle notes in end of web centered on axis of post \$1 Rod.

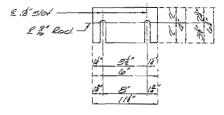
Nominal Roadway width and race of Rail





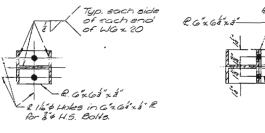


SECTION C-C



DETAIL OF SHIM PLATES

Note: Shim plates ("xia" xia" may be used between post U6 4 20 and 6"xia" xia" plate and shim 115 xia" xia" may be used between post Waxlo and 195 x112" xia bent plate as required for norizontal alignment.



Note: Concrete Anchors shull be the core expansion type: for hot-dip galvanized botts. Consrete Anchors shall have a certified concrete pulli-out strength fullimate load) of at least 15,500 pounds in 3000 psi concrete.

