

GENERAL NOTES
ALL GENERAL NOTES WHICH APPLY TO M6230 WILL ALSO APPLY TO THIS STRUCTURE
CONCRETE IN ABUTMENTS 15% F.W.

BILL OF BARS

NO	SIZE	LENGTH	MK	REMARKS
28	1/2"	8'-0"	H1	BEND IN PLACE
80	1/2"	2'-0"	D2	STRAIGHT

TABLE OF QUANTITIES

LOCATION	HANDRAIL	SLAB-CURB	ABUTMENT	TOTAL
CONCRETE	23	3.5		3.5
"	124		373	373
"	135		68.3	68.3
REINF. STEEL	490	9620	260	10370
EXCAVATION		680 CU YDS		

MISSOURI STATE HIGHWAY DEPARTMENT
BRIDGE OVER ERLIDE CREEK
STATE ROAD FROM PERRY COUNTY LINE TO JACKSON
ABOUT 8 MILES FROM ALTENBERG
PROJECT NO. R25519 STA. 130+40
CAPE GIRARDEAU COUNTY
SUBMITTED BY *[Signature]* DESIGNED BY
APPROVED BY *[Signature]* CHECKED BY
STATE HIGHWAY DEPARTMENT

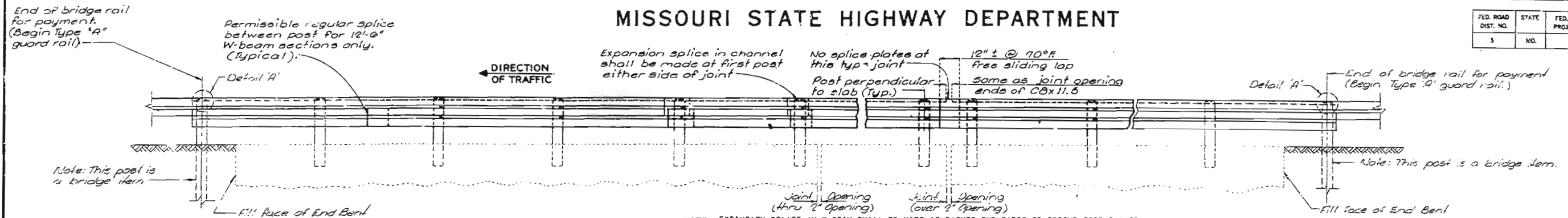
M6230
G27

DRAWN 9-16-1922 BY R.H.S.
CHK'D OCT. 1922 BY C.A.W.

453

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	10	

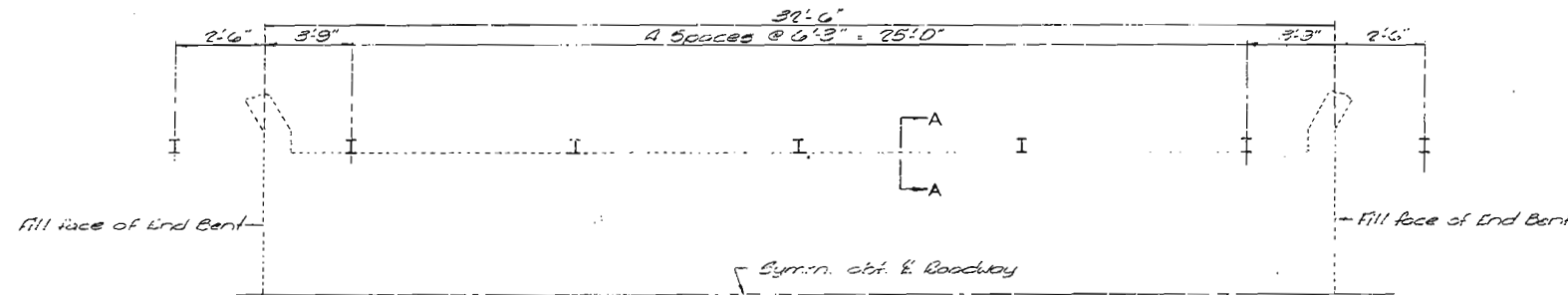


NOTE: EXPANSION SPLICE IN W-BEAM SHALL BE MADE AT EITHER THE FIRST OR SECOND POST EITHER SIDE OF JOINT. WHEN SPLICE IS MADE AT SECOND POST, AN EXPANSION SLOT SHALL BE PROVIDED IN W-BEAM FOR CONNECTION TO FIRST POST TO ALLOW FOR MOVEMENT. (TYPICAL UPPER AND LOWER W-BEAM SHOWN; HOWEVER UPPER AND LOWER W-BEAM ARE NOT TO BE SPICED AT THE SAME LOCATION).

PART SECTION SHOWING RAIL

AT EXPANSION JOINTS

NOTE: IN ADDITION TO EXPANSION PROVISIONS AT THESE EXPANSION JOINTS, EXPANSION SPLICES IN CHANNEL MEMBER ONLY SHALL BE PROVIDED AT OTHER LOCATIONS SO THAT THE MAXIMUM LENGTH OF CHANNEL WITHOUT EXPANSION PROVISIONS DOES NOT EXCEED 200 FT.



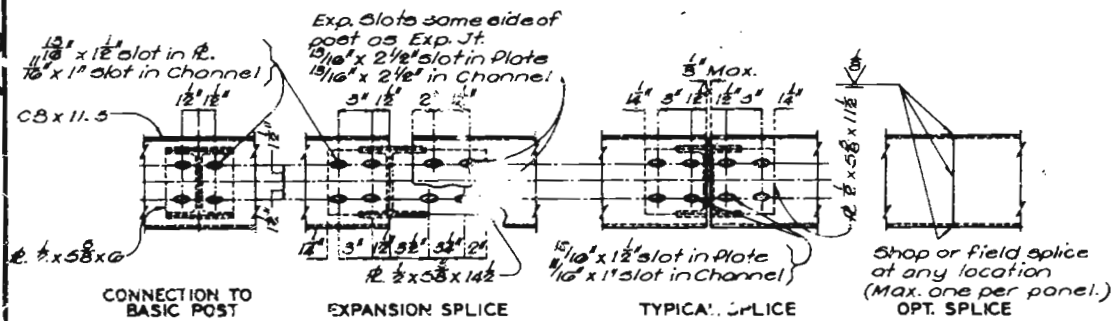
HALF PLAN SHOWING RAIL POST SPACING

Note: for details of Section A-A see sheet No. 2.

GENERAL NOTES:

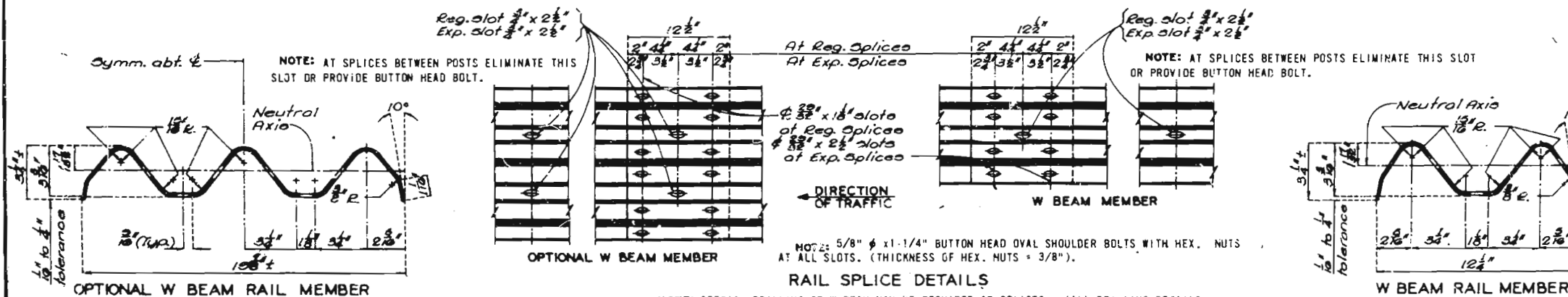
- DESIGN AASHTO 1973 SPECIFICATIONS.
- PANEL LENGTHS OF CHANNEL MEMBERS SHALL BE ATTACHED CONTINUOUSLY -- A MINIMUM OF FOUR POSTS AND A MAXIMUM OF SIX (EXCEPT AT END BENTS).
- ALL BOLTS, NUTS, WASHERS, PLATES AND ELASTOMERIC MATERIALS ARE CONSIDERED AS PARTS OF THE RAIL FOR PAYMENT.
- ALL STEEL CONNECTING BOLTS AND FASTENERS FOR RAILING AND ALL ANCHOR BOLTS, NUTS, WASHERS AND PLATES SHALL BE GALVANIZED AFTER FABRICATION. FOR PROTECTIVE COATING AND MATERIAL REQUIREMENT OF STEEL RAILING SEE SECTION 1040 OF THE STANDARD SPECIFICATIONS.
- RAIL POSTS SHALL BE SET PERPENDICULAR TO ROADWAY PROFILE GRADE AND VERTICALLY IN CROSS SECTION.
- AT EXPANSION SLOTS IN W-BEAM RAILS AND CHANNELS, TIGHTEN BOLTS, BACK OFF ONE-HALF TURN AND BURR THREADS.
- MINIMUM LENGTH OF W-BEAM SECTIONS IS EQUAL TO ONE POST SPACE.
- W-BEAM GUARD RAIL TO BE MADE OF STEEL AND SHALL BE 12 GAGE, AND ERECTED IN ACCORDANCE WITH STANDARD PLAN 606.00.
- POST, SHIM PLATES, CHANNELS AND CHANNEL SPLICE PLATES TO BE FABRICATED FROM A-36 STEEL.
- WASHERS SHALL BE USED AT ALL POST BOLTS (BETWEEN BOLT HEAD AND BEAM). THEY SHALL BE RECTANGULAR IN SHAPE (3" X 1-3/4" X 3/16" MIN.) AND FLAT, OR WHEN NECESSARY OF SUCH DESIGN TO FIT THE CONTOUR OF THE BEAM. WASHER SHALL HAVE 11/16" X 1" HOLE.
- FABRICATION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH SECTION 712 OF THE STANDARD SPECIFICATIONS.
- LIGHT DOTTED LINES INDICATE OLD WORK. HEAVY LINES INDICATE NEW WORK.
- HIGH STRENGTH BOLTS IN CONCRETE ANCHORS TO BE SNUG TIGHT.
- HIGH STRENGTH BOLTS SHALL BE A-325.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD BEFORE ORDERING MATERIALS. The Contractor shall maintain one lane of traffic on the bridge during construction.

ESTIMATED QUANTITIES		
ITEM		TOTAL
Bridge Guard Rail (W-Beam)	Lin Ft.	75
Special Work	Lump Sum	1



CHANNEL MEMBER DETAILS

NOTE: SHIM PLATES 6" x 6" x 1/16" MAY BE USED BETWEEN TOP OF POST AND CHANNEL MEMBER AS REQUIRED FOR VERTICAL ALIGNMENT.



B.M.

REPLACING BRIDGE HANDRAIL BRIDGE OVER ERLIDE CREEK

STATE ROAD FROM UNIONTOWN TO JACKSON

ABOUT 3 MILES SOUTH OF UNIONTOWN

PROJECT NO. HES-817(1)

STA. 129+02.90

JOB NO. O-X061-100

RTE 61

CAPE GIRARDEAU

COUNTY

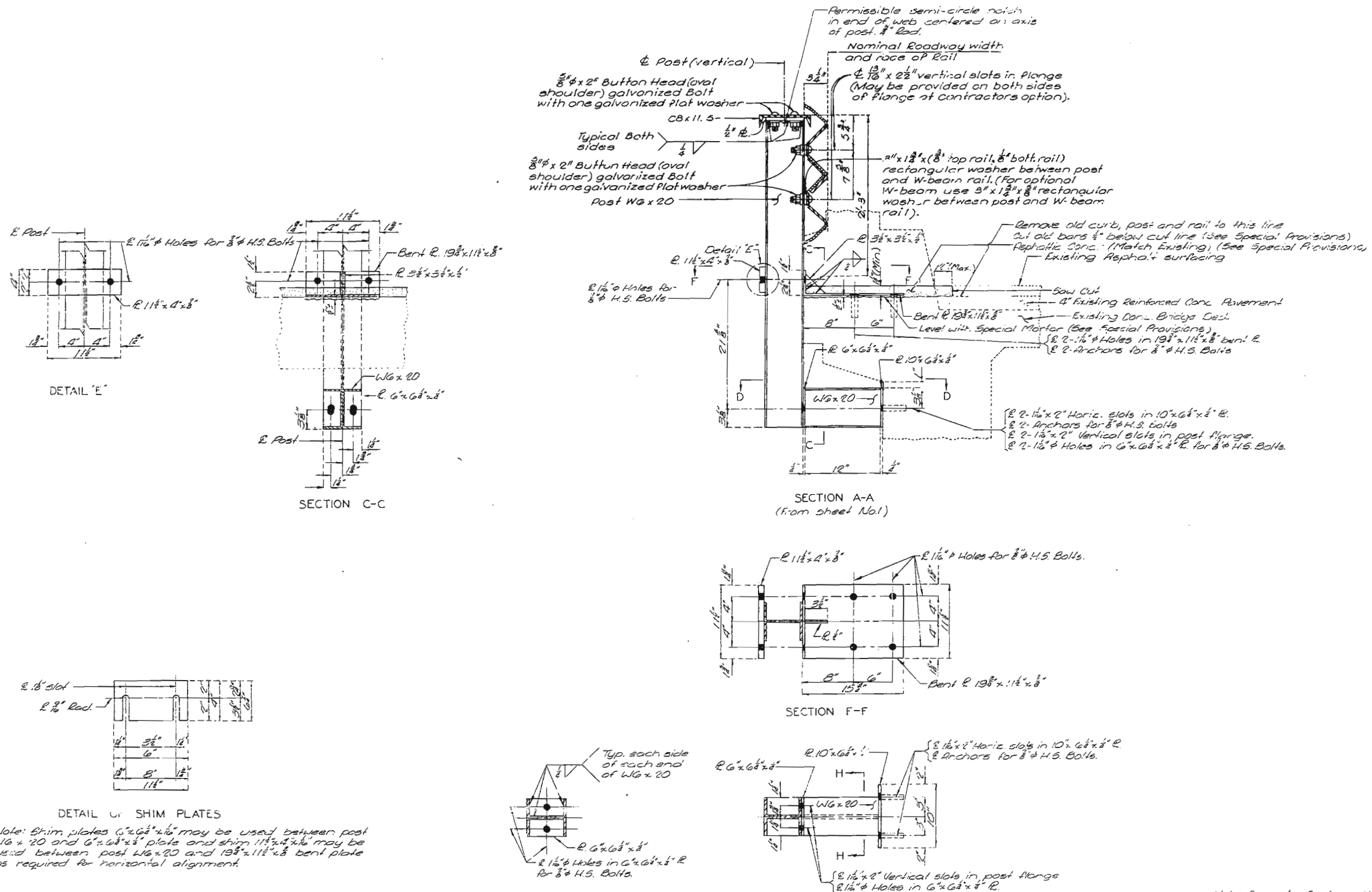
STD. 617.00

STD. 606.00

G-27 R

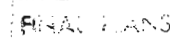
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	11	



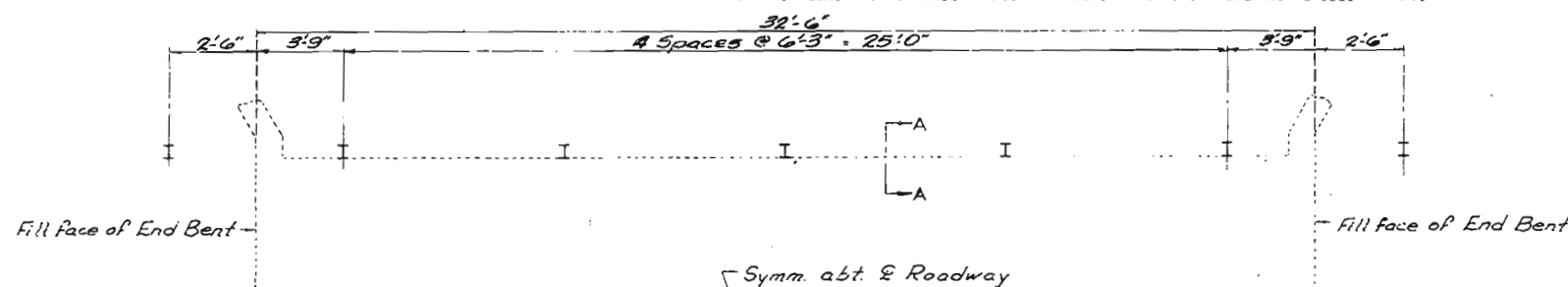
Note: Concrete Anchors shall be the core expansion type for hot-dip galvanized bolts. Concrete Anchors shall have a certified concrete pull-out strength (ultimate load) of at least 15,500 pounds in 3000 psi concrete.

ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
5	MO.		19	7	

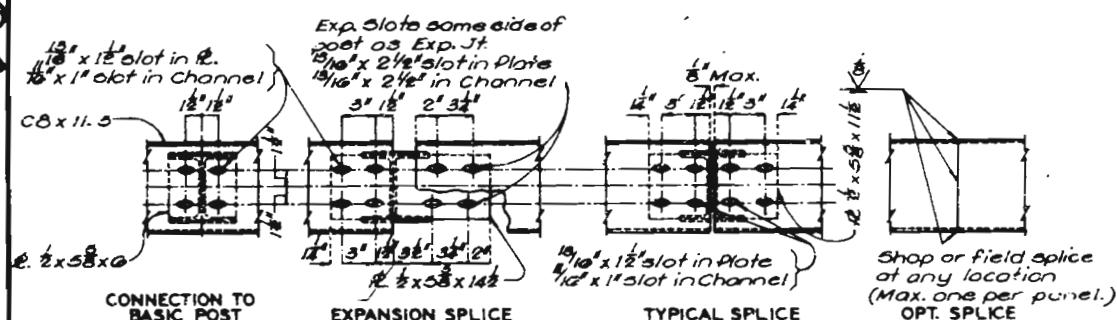


NOTE: EXPANSION SPLICE IN W-BEAM WERE MADE AT EITHER THE FIRST OR SECOND POST EITHER SIDE OF JOINT. WHEN SPLICE WAS MADE AT SECOND POST, AN EXPANSION SLOT WAS PROVIDED IN W-BEAM FOR CONNECTION TO FIRST POST TO ALLOW FOR MOVEMENTS. (TYPICAL UPPER AND LOWER W-BEAM SHOWN; HOWEVER UPPER AND LOWER W-BEAM WERE NOT SPLICED AT THE SAME LOCATION).

NOTE: IN ADDITION TO EXPANSION PROVISIONS AT THESE EXPANSION JOINTS, EXPANSION SPICES IN CHANNEL MEMBER ONLY WERE PROVIDED AT OTHER LOCATIONS SO THAT THE MAXIMUM LENGTH OF CHANNEL WITHOUT EXPANSION PROVISIONS DID NOT EXCEED 200 FT.



Note: For details of Section A-A see sheet No. 2.



B.M.


G-27 R


Sheet No. 1A of 2 .

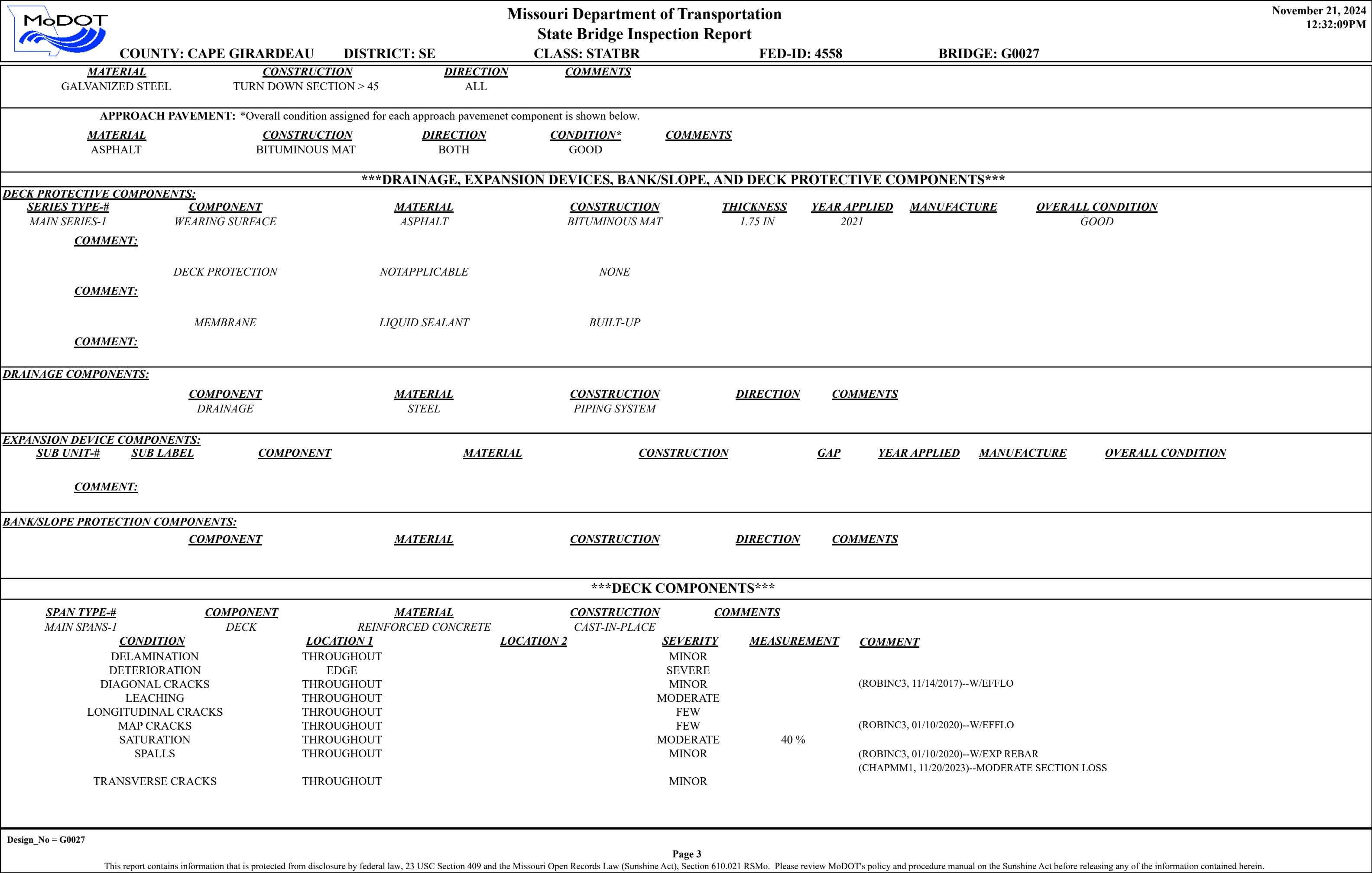
DATE 4-17-79

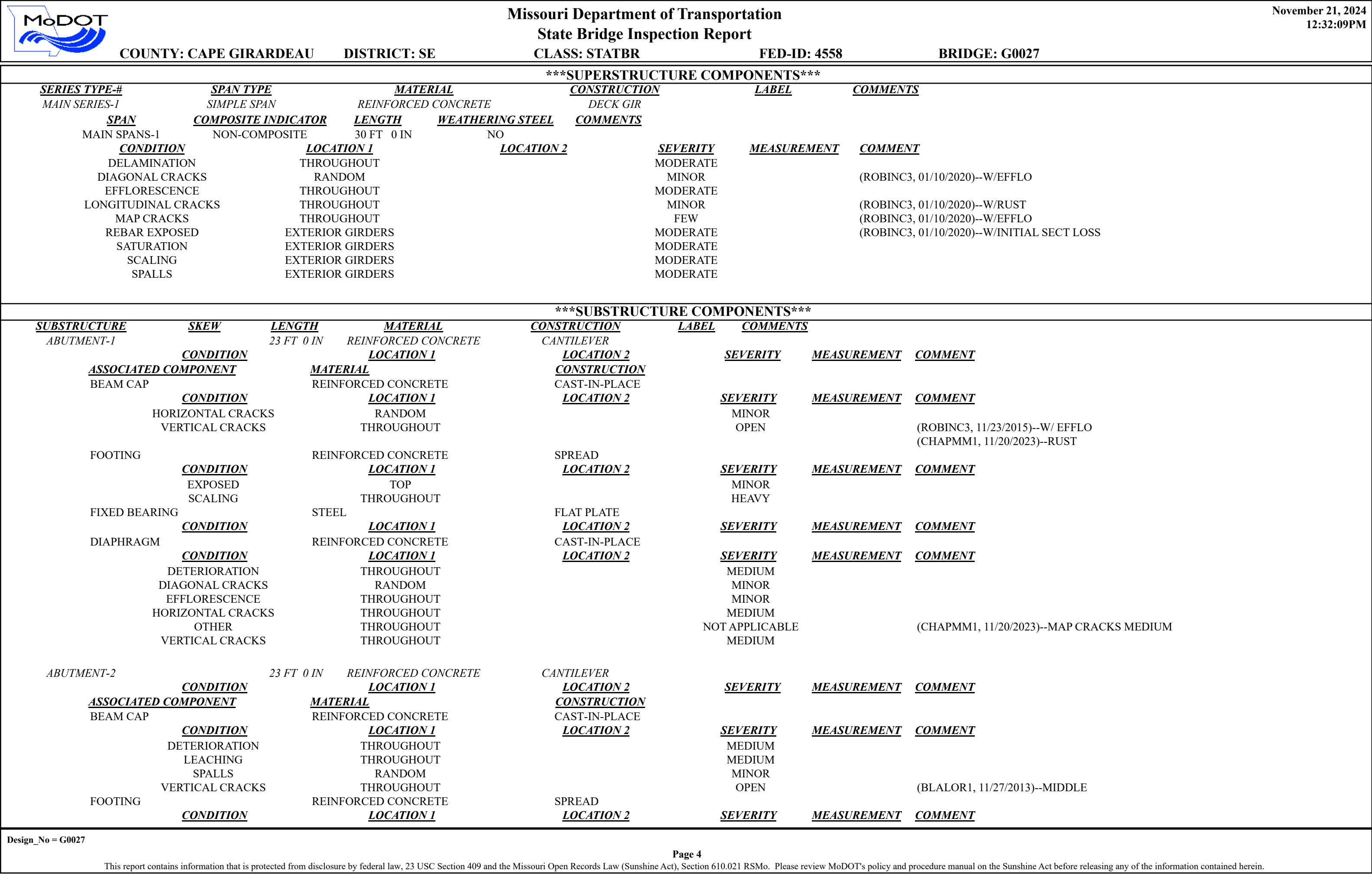
Note: This drawing is not to scale. Follow dimensions.


DESIGNED Feb. 1979
 DETAILED Feb. 1979
 CHECKED Feb. 1979


		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>November 21, 2024</div> <div>12:32:09PM</div>			
COUNTY: CAPE GIRARDEAU		DISTRICT: SE		CLASS: STATBR		FED-ID: 4558		BRIDGE: G0027	
GENERAL STRUCTURE INFORMATION							***BRIDGE INSPECTION INFORMATION***		
<div>ROUTE: US61S</div> <div>FEATURE: ERLIDE CR</div> <div>STATUS: A-OPEN</div> <div>LOG MILE: 266.127</div> <div>DETOUR: 24.00 MILES</div> <div>NHS: NO</div> <div>BUILT: 1922</div> <div>REHAB:</div> <div>LOCATION: S 10 T 33 R 12 E</div> <div>LATITUDE: 37 33 51.71 (DMS)</div> <div>LONGITUDE: 89 42 3.47 (DMS)</div>		<div># SPANS: 1</div> <div>LANES ON: 2</div> <div>LANES UNDER: 0</div> <div>COMPASS DIRECTION: NORTH to SOUTH</div> <div>DIRECTION OF TRAFFIC: 2-WAY TRAF</div> <div>FUNCTIONAL CLASS: RL-MAJOR COLLECTOR</div> <div>NBI OWNER: MODOT</div> <div>NBI MAINTAINED: MODOT</div> <div>MAINTENANCE DISTRICT: SE</div> <div>MAINTENANCE COUNTY: CAPE GIRARDEAU</div> <div>SUB AREA: 7H24</div>		<div>PLACE CODE: 01450 APPLE CREEK</div> <div>LENGTH: 33 FT 0 IN</div> <div>MAXIMUM SPAN: 30 FT 0 IN</div> <div>APPROACH ROADWAY: 22 FT 0 IN</div> <div>CURB TO CURB: 22 FT 6 IN</div> <div>OUT TO OUT: 23 FT 0 IN</div> <div>AADT: 1585</div> <div>AADT YEAR: 2023</div> <div>AADT TRUCK: 14.2%</div> <div>FUTURE AADT: 2457</div> <div>FUTURE AADT YEAR: 2043</div>		<div>DATE: 11/16/2023</div> <div>RESPONSIBILITY: DISTRICT</div> <div>FREQUENCY: 24</div> <div>CALCULATED INTERVAL**: 24</div> <div>TEAM LEADER: SETH BOLLINGER</div> <div>ELEMENT: NO</div> <div>INSPECTOR 2: ZACHARY LEE</div> <div>INSPECTOR 4:</div> <div>INSPECTOR 3:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>			
						GENERAL INSPECTION COMMENTS			
FRACTURE CRITICAL INSPECTION INFORMATION					***INDEPTH INSPECTION INFORMATION***				
<div>DATE:</div> <div>FREQUENCY:</div> <div>TEAM LEADER:</div> <div>INSPECTOR 2:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY:</div> <div>CALCULATED INTERVAL**:</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY:</div> <div>NBI:</div> <div>METHOD:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>				
FRACTURE CRITICAL INSPECTION COMMENTS					INDEPTH INSPECTION COMMENTS				
SPECIAL INSPECTION INFORMATION					***UNDERWATER INSPECTION INFORMATION***				
<div>DATE: 08/06/2024</div> <div>FREQUENCY: 120</div> <div>TEAM LEADER: JERROD JERNIGAN</div> <div>INSPECTOR 2:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY: DISTRICT</div> <div>CALCULATED INTERVAL**: 123</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY: CHANNEL CROSS SEC</div> <div>NBI: NO</div> <div>METHOD: WT TAPE</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>				
SPECIAL INSPECTION COMMENTS					UNDERWATER INSPECTION COMMENTS				
OTHER SPECIAL INSPECTIONS					OTHER UNDERWATER INSPECTIONS				
<div><div>DATE</div><div>FREQUENCY</div><div>CATEGORY</div><div>NBI</div><div>CALCULATED INTERVAL</div><div>RESPONSIBILITY</div><div>METHOD</div></div> <div>05/08/2017</div> <div>999</div> <div>DAMAGE POST INCIDENT</div> <div>NO</div> <div></div> <div>DISTRICT</div> <div></div>					<div><div>DATE</div><div>FREQUENCY</div><div>CATEGORY</div><div>NBI</div><div>CALCULATED INTERVAL</div><div>RESPONSIBILITY</div><div>METHOD</div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>				
Design_No = G0027									
<div>Page 1</div> <div>This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.</div>									

		Missouri Department of Transportation		November 21, 2024	
		State Bridge Inspection Report		12:32:09PM	
COUNTY: CAPE GIRARDEAU		DISTRICT: SE		CLASS: STATBR	FED-ID: 4558
				BRIDGE: G0027	
STRUCTURE POSTING					
APPROVED CATEGORY: S-1		NO POSTING REQUIRED			
Ton 1:		Ton 2:		Ton 3:	
COMMENTS:					
FIELD CATEGORY: S-1		NO POSTING REQUIRED			
Ton 1:		Ton 2:		Ton 3:	PROBLEM:
COMMENTS:				PROBLEM DIRECTION:	
GENERAL COMMENTS/MAJOR RATED ITEMS					
GENERAL COMMENTS: (BOWDEJ1, 09/10/2008)--(30') SMP DECK GDR SPAN					
[ITEM 58] DECK: 4-POOR CONDITION		COMMENTS: (BLALOR1, 11/19/2013)--EDGE DETER			
RATING : 11/25/2019		(ROBINC3, 11/25/2019)--NEAR EDGE LINE, MODERATE EFFLO			
[ITEM 59] SUPER: 4-POOR CONDITION		COMMENTS: (BLALOR1, 11/19/2013)--SPALLS			
RATING : 11/25/2019		(ROBINC3, 11/25/2019)--CRACKING THROUGHOUT, MODERATE EFFLO			
[ITEM 60] SUB: 5-FAIR CONDITION		COMMENTS: (BLALOR1, 11/19/2013)--WIDE V CRKS, FOOTING EXPOSED			
RATING : 12/24/2009					
[ITEM 61] BANK/CHANNEL: 6-WIDESPREAD MINOR DAMAGE		COMMENTS: (CHAPMM1, 11/20/2023)--MODERATE DEBRIS IN CHANNEL			
RATING : 02/25/2004					
[ITEM 113] SCOUR: 8-STABLE FOR CALCULATED		COMMENTS:			
RATING : 05/18/2001					
EVALUATION TYPE :					
[ITEM 71] WATERWAY ADEQUACY: DECK ABOVE FLOOD ELEV		COMMENTS:			
RATING : 05/18/2001					
[ITEM 72] APPRRDWY ALIGNMENT: 6-SATISFACTORY		COMMENTS:			
RATING : 05/18/2001					
RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS					
[ITEM 36A] BRIDGE RAILING RATING: MEETS CURRENT STANDARDS-1		RATING : 05/18/2001		COMMENTS:	
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>		
GALVANIZED STEEL	THRIE BEAM	BOTH			
[ITEM 36B] TRANSITION RAILING RATING: DOESNT MEET CURRNT STND-0		RATING : 02/25/2004		COMMENTS:	
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>		
GALVANIZED STEEL	THRIE BEAM TO W-BEAM	ALL			
[ITEM 36C] APPROACH RAILING RATING: MEETS CURRENT STANDARDS-1		RATING : 05/18/2001		COMMENTS:	
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>		
GALVANIZED STEEL	W-BEAM	ALL			
[ITEM 36D] RAIL END TREATMENT RATING: DOESNT MEET CURRNT STND-0		RATING : 02/25/2004		COMMENTS:	
Design_No = G0027					
Page 2					
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		Missouri Department of Transportation			November 21, 2024	
		State Bridge Inspection Report			12:32:09PM	
COUNTY: CAPE GIRARDEAU		DISTRICT: SE	CLASS: STATBR	FED-ID: 4558	BRIDGE: G0027	
FIXED BEARING		STEEL	FLAT PLATE			
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DIAPHRAGM		REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DIAGONAL CRACKS		RANDOM		MINOR		(ROBINC3, 01/10/2020)--W/EFFLO & RUST
OTHER		THROUGHOUT		NOT APPLICABLE		(ROBINC3, 01/10/2020)--MAPCRACKS W/EFFLO & RUST
VERTICAL CRACKS		THROUGHOUT		FINE		(BLALOR1, 11/27/2013)--W/ LEACHING
OVER/UNDER ROUTES CLEARANCE INFORMATION						
<u>CLEARANCES OVER DECK</u>		**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.				
<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>		
<u>CLEARANCES UNDER BRIDGE</u>		**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.				
<u>RECORD #</u>	<u>ROUTE</u>	<u># LANES</u>	<u>DIRECTION OF TRAFFIC</u>	<u>RIGHT LATERAL CLEARANCE</u>	<u>LEFT LATERAL CLEARANCE</u>	<u>UR-ID</u>
<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>		
STRUCTURE PAINT INFORMATION						
CONDITION:		RUST AMOUNT :	STEEL TONS : 0			
<u>ORIGINAL PAINT</u>		<u>CONTRACT REPAINT</u>		<u>DEPARTMENT REPAINT</u>		
PAINT TYPE :		PAINT TYPE :		PAINT TYPE :		MANUFACTURE :
NAME :		NAME :		NAME :		SURFACE PREP :
PAINT COLOR :		PAINT COLOR :		PAINT COLOR :		
PAINT YEAR :		PAINT YEAR :		PAINT YEAR :		
MILS :		MILS :		MILS :		
REQUESTED WORK ITEMS						
GENERAL WORK COMMENTS:						
Design_No = G0027						
Page 5						
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		Missouri Department of Transportation				November 21, 2024																																		
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COUNTY: CAPE GIRARDEAU		DISTRICT: SE		CLASS: STATBR		FED-ID: 4558																																		
						BRIDGE: G0027																																		
<div>RESPONSIBILITYLOCATIONITEMCATEGORYPRIORITYDATEWORK ITEM COMMENT</div>																																								
UTILITY ATTACHMENTS																																								
<div>UTILITYOWNERMETHODMEASUREMENT TYPEVALUENUMBERUTILITY ATTACHMENT COMMENT</div>																																								
PROGRAM NOTES INFORMATION																																								
<div><div>YEARPROJECT #MONTH LETYEAR LETITEMSCOMMENT</div><div>20269S381002026REPLACE BRIDGE</div></div>																																								
COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS					***ADVANCED SIGN INFORMATION***																																			
<div>NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS.</div> <table><tr><td><u>Rated Item</u></td><td><u>Rating</u></td><td><u>Rating Date</u></td></tr><tr><td>[Item 67] Structure Evaluation Rating:</td><td>4-MEETS MINIMUM TOLERABLE</td><td>11/26/2019</td></tr><tr><td>[Item 68] Deck Geometry Rating:</td><td>3-BASICALLY INTOL CORRECT</td><td>1/10/2022</td></tr><tr><td>[Item 69] Underclearance:</td><td>N-NOT APPLICABLE</td><td>5/18/2001</td></tr><tr><td>Sufficiency Rating:</td><td>44.2%</td><td>3/6/2024</td></tr><tr><td>Deficiency:</td><td>STRUCTURAL</td><td>11/26/2019</td></tr><tr><td>Funding Eligibility:</td><td></td><td>----</td></tr><tr><td>Estimated New Structure Length:</td><td></td><td>----</td></tr><tr><td>Estimated Structure Cost:</td><td></td><td>----</td></tr><tr><td>Estimated Total Project Cost:</td><td></td><td>----</td></tr><tr><td>Year of Cost Estimate:</td><td></td><td>----</td></tr></table> <div>NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.</div>					<u>Rated Item</u>	<u>Rating</u>	<u>Rating Date</u>	[Item 67] Structure Evaluation Rating:	4-MEETS MINIMUM TOLERABLE	11/26/2019	[Item 68] Deck Geometry Rating:	3-BASICALLY INTOL CORRECT	1/10/2022	[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001	Sufficiency Rating:	44.2%	3/6/2024	Deficiency:	STRUCTURAL	11/26/2019	Funding Eligibility:		----	Estimated New Structure Length:		----	Estimated Structure Cost:		----	Estimated Total Project Cost:		----	Year of Cost Estimate:		----	<div><div>SIGN #SIGN TYPEPROBLEMPROBLEM DIRECTION</div><div>1</div></div>		
					<u>Rated Item</u>	<u>Rating</u>	<u>Rating Date</u>																																	
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Sufficiency Rating:	44.2%	3/6/2024																																						
Deficiency:	STRUCTURAL	11/26/2019																																						
Funding Eligibility:		----																																						
Estimated New Structure Length:		----																																						
Estimated Structure Cost:		----																																						
Estimated Total Project Cost:		----																																						
Year of Cost Estimate:		----																																						
OUTFALL INSPECTION INFORMATION																																								
<div># OUTFALLS: 1INSPECTOR: SETH BOLLINGER</div> <div>STATUS: PASSDATE: 11/16/2023</div> <div>NOTES:</div>																																								



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

November 21, 2024
12:35:11pm

COUNTY : CAPE GIRARDEAU BRIDGE : G0027 R REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 8/23/2024 SUBMITTAL YEAR : 2024

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	ROUTE CARRIED 'ON' STRUCT
2	District	SE	5B	Route Signing Prefix	US
3	County	CAPE GIRARDEAU	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	4558	5D	Route Number	00061
27	Year Built	1922	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	US 61 S
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	NO
21	Structure Maintenance	STATE HIGHWAY AGENCY	13A	LRS Inventory Route No.	
22	Structure Owner	STATE HIGHWAY AGENCY	13B	Subroute No.	
33	Br. Median Code	NO MEDIAN	20	Toll Status	ON FREE ROAD
37	Historical Significance	NOT ELIGIBLE FOR NR OF HP	26	Functional Classification	07-RURAL MAJOR COLLECTOR
101	Parallel Struc Desg	NONE EXISTS	28A	Lanes on Structure	02
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	RTE NOT A DEFENSE HWY
112	NBIS Bridge Length	YES	104	National Highway System	NOT ON NHS
			105	Federal Lands Highway	NOT APPLICABLE
			110	Designated Nat. Network	NO
STRUCTURE LOCATION INFORMATION			STRUCTURE TRAFFIC INFORMATION		
4	Place	APPLE CREEK	29	AADT	1585
	Code	01450	30	AADT Year	2023
9	Location	S 10 T 33 N R 12 E	102	Direction of Traffic	2-WAY TRAFFIC
11	Milepoint	267.68 miles	109	AADT Truck Percent	14%
16	Latitude	37 D 33 M 52 S	114	Future AADT	2457
17	Longitude	89 D 42 M 3 S	115	Future AADT Year	2043
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	ERLIDE CR	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	WATERWAY	19	By pass Detour Length	24.38 miles
28B	Lanes Under Structure	00	32	Approach Roadway Width	21 Ft. 12 In.
54A	Vert. Clearance Ref.	N/A	34	Skew	0.00 Degrees
54B	Vert. Clearance	0 Ft. 0 In.	35	Struct. Flared	NO
55A	Rt. Lat Clear Ref.	N/A	47	Total Horiz. Clear	22 Ft. 8 In.
55B	Rt. Lat Clearance	0 Ft. 0 In.	48	Maximum Span Length	29 Ft. 10 In.
56	Left Lat Clearance	0 Ft. 0 In.	49	Structure Length	33 Ft. 2 In.
38	Navigation Control	PERMIT NOT REQ	50A	Left Curb/Sidewalk Width	0 Ft. 0 In.
39	Nav Vertical Clear	0 Ft. 0 In.	50B	Right Curb/Sidewalk Width	0 Ft. 0 In.
40	Nav Horizontal Clear	0 Ft. 0 In.	51	Curb to Curb Br. Width	22 Ft. 8 In.
111	Nav. Pier Protection		52	Deck Width (Out-Out)	22 Ft. 12 In.
116	Nav. Cl. Vert. Clear		53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = G0027 and Inventory_Appraisal_Submittal_Year = 2024



Missouri Department of Transportation
Bridge Inventory and Inspection System
Structural Inventory & Appraisal Sheet

November 21, 2024
12:35:11pm

COUNTY : CAPE GIRARDEAU BRIDGE : G0027 R REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 8/23/2024 SUBMITTAL YEAR : 2024

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 15	43A	Main Struc. Mat type	CONCRETE
41	Structure Status	OPEN NO RESTRICTIONS	43B	Main struc Constr. Type	TEE BEAM
63	Oper. Rating Meth.	LOAD FACTOR	45	# of Main Spans	1
64	Operating Rating	66 Tons.	44A	Appr Struc. Mat type	000
65	Inventory Rating Meth	LOAD FACTOR	44B	Appr Struc. Cnstr. type	000
66	Inventory Rating	41 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	=>LEGAL LOADS	107	Deck Mat/Constr.	1 CONCRETE CIP
PROPOSED IMPROVEMENT INFORMATION			108A	Wear Surf Mat/Constr.	6 BITUMINOUS
Sufficiency Rating 44.2 Percent			108B	Membrane Mat/Constr.	1 BUILT UP
Deficiency Rating STRUCTURAL			108C	Deck Protect Mat/Constr.	0 NONE
Funding Eligibility FULL			CONDITION RATING INFORMATION		
75A	Proposed Work	REPLACEMENT SUBSTND LOAD	58	Deck Cond. Rating	4
75B	Work Done By	Contract	59	Superstructure Cond. Rating	4
76	New Struc Length	55 Ft. 9 In.	60	Substructure Cond. Rating	5
94	Struc Improve Cost	\$ 325,000	61	Channel /Channel Protection Cond. Rating	6
95	Roadway Improve Cost	\$ 32,000	62	Culvert Cond. Rating	N
96	Total Project Cost	\$ 487,000	INSPECTION INFORMATION		
97	Year of Cost Estimates	2024	90	Gen. Insp Date	11 / 23
APPRAISAL RATING INFORMATION			91	Gen. Insp. Frequency	24 Months
36A	Br. Rail App. Rating	MEETS ACCEPTBLE STND	92A	Frac. Critical Inspection	N Months
36B	Transition Rail App. Rating	DOES NOT MEET ACCEPT STND	93A	Frac. Critical Insp. Date	
36C	Approach Rail App. Rating	MEETS ACCEPTBLE STND	92B	Underwater Inspection	N Months
36D	Rail End Treat. App. Rating	DOES NOT MEET ACCEPT STND	93B	Underwater Insp. Date	
67	Struc Eval App. Rating	4	92C	Special Inspection	N Months
68	Deck Geometry App. Rating	3	93C	Special Inspection Date	
69	Underclearance App. Rating	N	BORDER BRIDGE INFORMATION		
71	Waterway Adeq. App. Rating	8	98	Neighboring State Code	
72	Approach Road App. Rating	6	98B	Neighboring State % Respon	
113	Scour Assess App. Rating	8	99	Neighboring State Struc. No.	
APPROVED POSTING INFORMATION			FIELD POSTING INFORMATION		
Approved Posting Category S-1			Field Posting Category S-1		
Ton1 Ton2 Ton3			Ton1 Ton2 Ton3		
Tonnage Values for Posting Sign			Tonnage Values for Posting Sign		
General Text for Posting Sign			General Text for Posting Sign		
NO POSTING REQUIRED			NO POSTING REQUIRED		

Design_No = G0027 and Inventory_Appraisal_Submittal_Year = 2024