
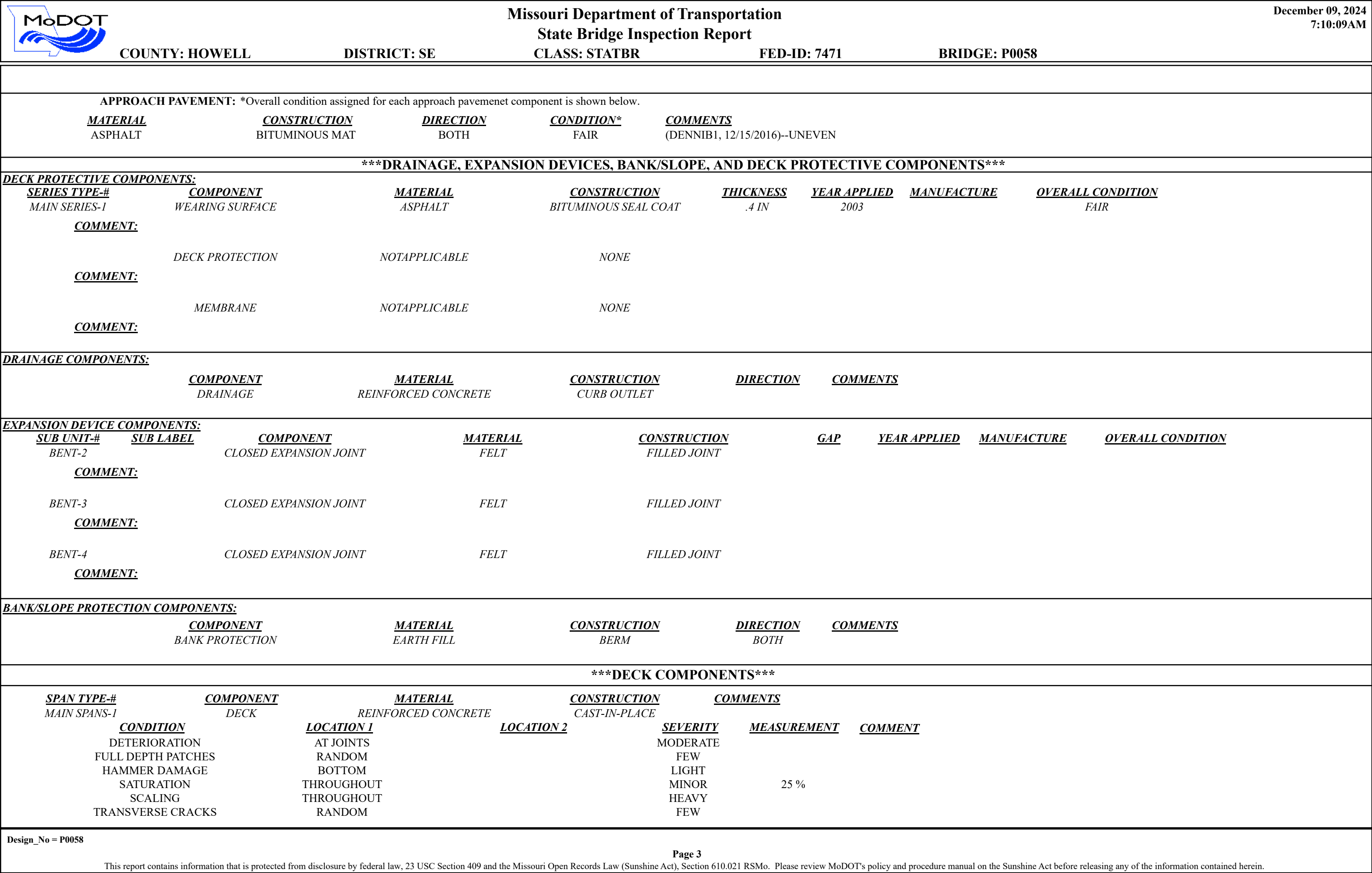
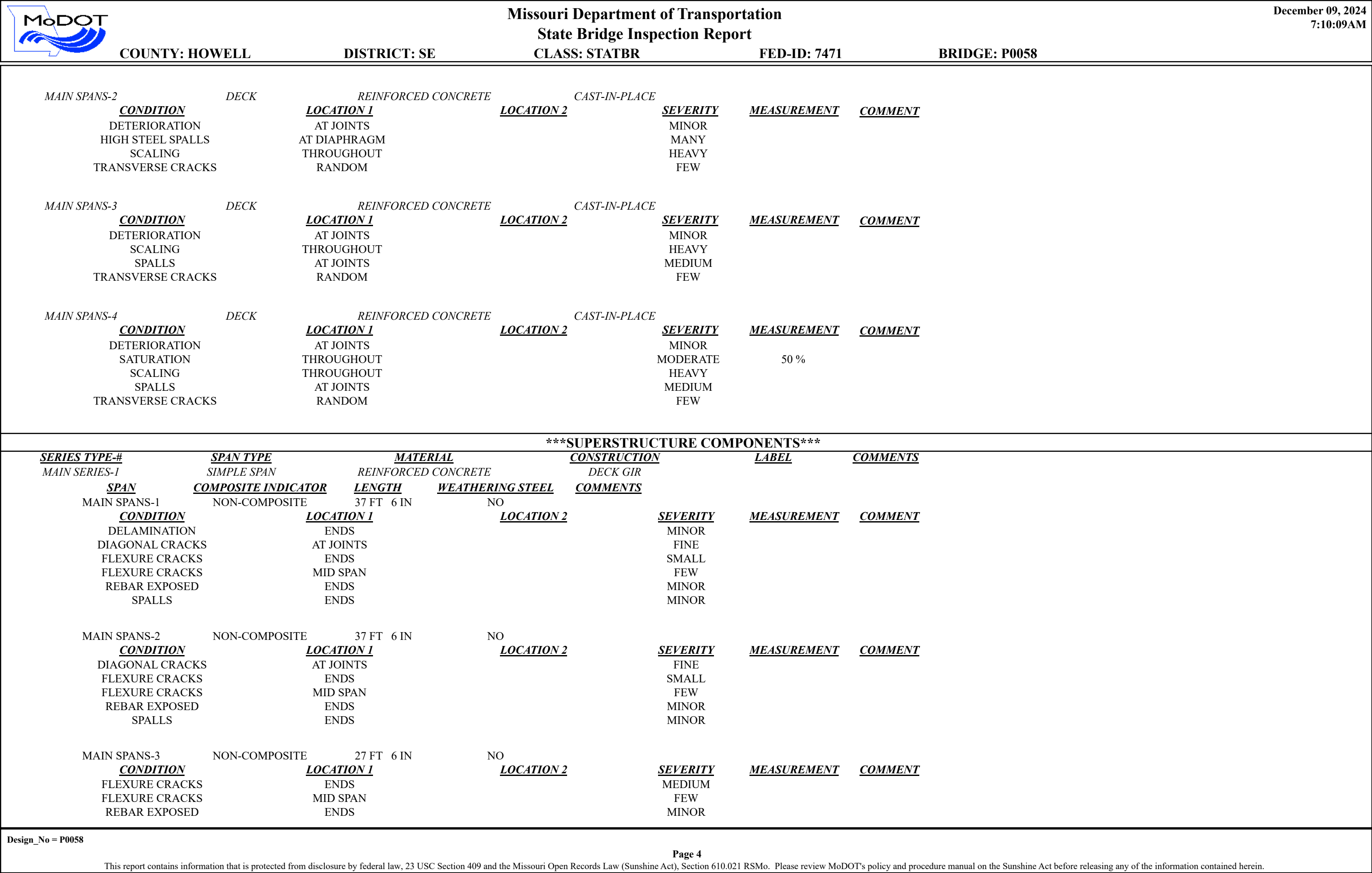
		Missouri Department of Transportation				December 09, 2024	
		State Bridge Inspection Report				7:10:09AM	
COUNTY: HOWELL		DISTRICT: SE		CLASS: STATBR		FED-ID: 7471	
						BRIDGE: P0058	
GENERAL STRUCTURE INFORMATION						***BRIDGE INSPECTION INFORMATION***	
ROUTE: MO142E FEATURE: MYATT CR STATUS: P-POSTLOAD LOG MILE: 24.470 DETOUR: 44.00 MILES NHS: NO BUILT: 1951 REHAB: LOCATION: S 4 T 21 R 7 W LATITUDE: 36 31 4.10 (DMS) LONGITUDE: 91 44 18.91 (DMS)		# SPANS: 4 LANES ON: 1 LANES UNDER: 0 COMPASS DIRECTION: WEST to EAST DIRECTION OF TRAFFIC: 1-LN/2-WAY FUNCTIONAL CLASS: RL-MAJOR COLLECTOR NBI OWNER: MODOT NBI MAINTAINED: MODOT MAINTENANCE DISTRICT: SE MAINTENANCE COUNTY: HOWELL SUB AREA: 7H50		PLACE CODE: 50960 MYATT LENGTH: 130 FT 0 IN MAXIMUM SPAN: 37 FT 6 IN APPROACH ROADWAY: 20 FT 0 IN CURB TO CURB: 14 FT 0 IN OUT TO OUT: 17 FT 2 IN AADT: 192 AADT YEAR: 2023 AADT TRUCK: 10.4% FUTURE AADT: 288 FUTURE AADT YEAR: 2043		DATE: 12/03/2024 RESPONSIBILITY: DISTRICT FREQUENCY: 12 CALCULATED INTERVAL**: 12 TEAM LEADER: MELANIE RICKARD-ELMOI ELEMENT: NO INSPECTOR 2: INSPECTOR 4: INSPECTOR 3: ** When calculated interval exceeds the frequency, a justification comment per BIRM is required.	
						GENERAL INSPECTION COMMENTS	
FRACTURE CRITICAL INSPECTION INFORMATION				***INDEPTH INSPECTION INFORMATION***			
DATE: RESPONSIBILITY: CATEGORY: FREQUENCY: CALCULATED INTERVAL**: NBI: TEAM LEADER: INSPECTOR 3: METHOD: INSPECTOR 2: INSPECTOR 4: ** When calculated interval exceeds the frequency, a justification comment per BIRM is required.				DATE: RESPONSIBILITY: CATEGORY: FREQUENCY: CALCULATED INTERVAL**: NBI: TEAM LEADER: INSPECTOR 3: METHOD: INSPECTOR 2: INSPECTOR 4: ** When calculated interval exceeds the frequency, a justification comment per BIRM is required.			
FRACTURE CRITICAL INSPECTION COMMENTS				INDEPTH INSPECTION COMMENTS			
SPECIAL INSPECTION INFORMATION				***UNDERWATER INSPECTION INFORMATION***			
DATE: 07/08/2020 RESPONSIBILITY: DISTRICT CATEGORY: CHANNEL CROSS SEC' FREQUENCY: 72 CALCULATED INTERVAL**: 72 NBI: NO TEAM LEADER: ED HESS INSPECTOR 3: METHOD: WT TAPE INSPECTOR 2: INSPECTOR 4: ** When calculated interval exceeds the frequency, a justification comment per BIRM is required.				DATE: 12/03/2024 RESPONSIBILITY: DISTRICT CATEGORY: DRY FREQUENCY: 60 CALCULATED INTERVAL**: 12 NBI: NO TEAM LEADER: INSPECTOR 3: METHOD: VISUAL INSPECTOR 2: MELANIE RICKARD-ELMOINSPECTOR 4: ** When calculated interval exceeds the frequency, a justification comment per BIRM is required.			
SPECIAL INSPECTION COMMENTS				UNDERWATER INSPECTION COMMENTS			
OTHER SPECIAL INSPECTIONS				OTHER UNDERWATER INSPECTIONS			
<u>DATE</u> <u>FREQUENCY</u> <u>CATEGORY</u> <u>NBI</u> <u>CALCULATED INTERVAL</u> <u>RESPONSIBILITY</u> <u>METHOD</u>				<u>DATE</u> <u>FREQUENCY</u> <u>CATEGORY</u> <u>NBI</u> <u>CALCULATED INTERVAL</u> <u>RESPONSIBILITY</u> <u>METHOD</u>			
Design_No = P0058							
Page 1							
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		Missouri Department of Transportation			December 09, 2024	
		State Bridge Inspection Report			7:10:09AM	
COUNTY: HOWELL		DISTRICT: SE	CLASS: STATBR	FED-ID: 7471	BRIDGE: P0058	
STRUCTURE POSTING						
APPROVED CATEGORY: S-17		CL OF BR AND TRK OVR 14 T 15MPH ON BR EXCPT SNGL UNIT TRKS WT LMT 19 T OTHR TRKS WT LMT 34 T.				
Ton 1: 14		Ton 2: 19	Ton 3: 34			
COMMENTS:						
FIELD CATEGORY: S-16		TRKS OVR 14 TNS 15MPH ON BR EXCPT SNGL UNIT TRKS WT LIMIT 19 TNS&ALL OTHR TRKS				
Ton 1: 14		Ton 2: 19	Ton 3: 34	PROBLEM:	PROBLEM DIRECTION:	
COMMENTS:						
GENERAL COMMENTS/MAJOR RATED ITEMS						
GENERAL COMMENTS: (BOWDEJ1, 08/28/2008)--(37'-37'-27'-27') SMP DECK GDR SPANS (HESSE, 07/05/2018)--CONTACT MISSOURI S & T DURING CONTRACT PHASE FOR REPLACEMENT. THEY WANT TO TEST BEFORE OBLITERATION. CURRENT CONTACT PERSON IS ELI HERNANDEZ.						
[ITEM 58] DECK: 4-POOR CONDITION		COMMENTS: (DENNIB1, 12/18/2014)--T-CRACKS & PATCHES				
RATING : 12/15/2016		(DENNIB1, 12/15/2016)--50% SAT SPAN 4				
[ITEM 59] SUPER: 4-POOR CONDITION		COMMENTS: (DENNIB1, 12/18/2014)--REGIONAL REPAIRS TO GIRDER ENDS - RATING RAISED FEBRUARY 2013-SAME AS DECK				
RATING : 03/01/2017		(DENNIB1, 12/15/2016)--CRKS DELAMN, MINOR SPALLS				
[ITEM 60] SUB: 5-FAIR CONDITION		COMMENTS: (DENNIB1, 12/18/2014)--EXPOSED FOOTINGS				
RATING : 12/06/2022		(DENNIB1, 12/15/2016)--FEW SPALLS/DELAMN				
[ITEM 61] BANK/CHANNEL: 5-MAJOR DAMAGE		COMMENTS: (DENNIB1, 12/15/2016)--OLD BRIDGE FOUNDATION IN CHANNEL RESTRICTING FLOW-BANK PROTECTION IS BEING ERODED				
RATING : 12/15/2016						
[ITEM 113] SCOUR: 8-STABLE FOR CALCULATED		COMMENTS:				
RATING : 05/18/2001						
EVALUATION TYPE :						
[ITEM 71] WATERWAY ADEQUACY: MINOR DELAYS APPRCH		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: DOESNT MEET CURRNT STND-0		RATING : 01/26/2009		COMMENTS:		
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>			
REINFORCED CONCRETE	CURB	BOTH				
REINFORCED CONCRETE	PARAPET	BOTH				
[ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:		
[ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:		
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>			
GALVANIZED STEEL	OTHER	ALL				
[ITEM 36D] RAIL END TREATMENT RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:		
Design_No = P0058						
Page 2						
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Missouri Department of Transportation

State Bridge Inspection Report

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COUNTY: HOWELL

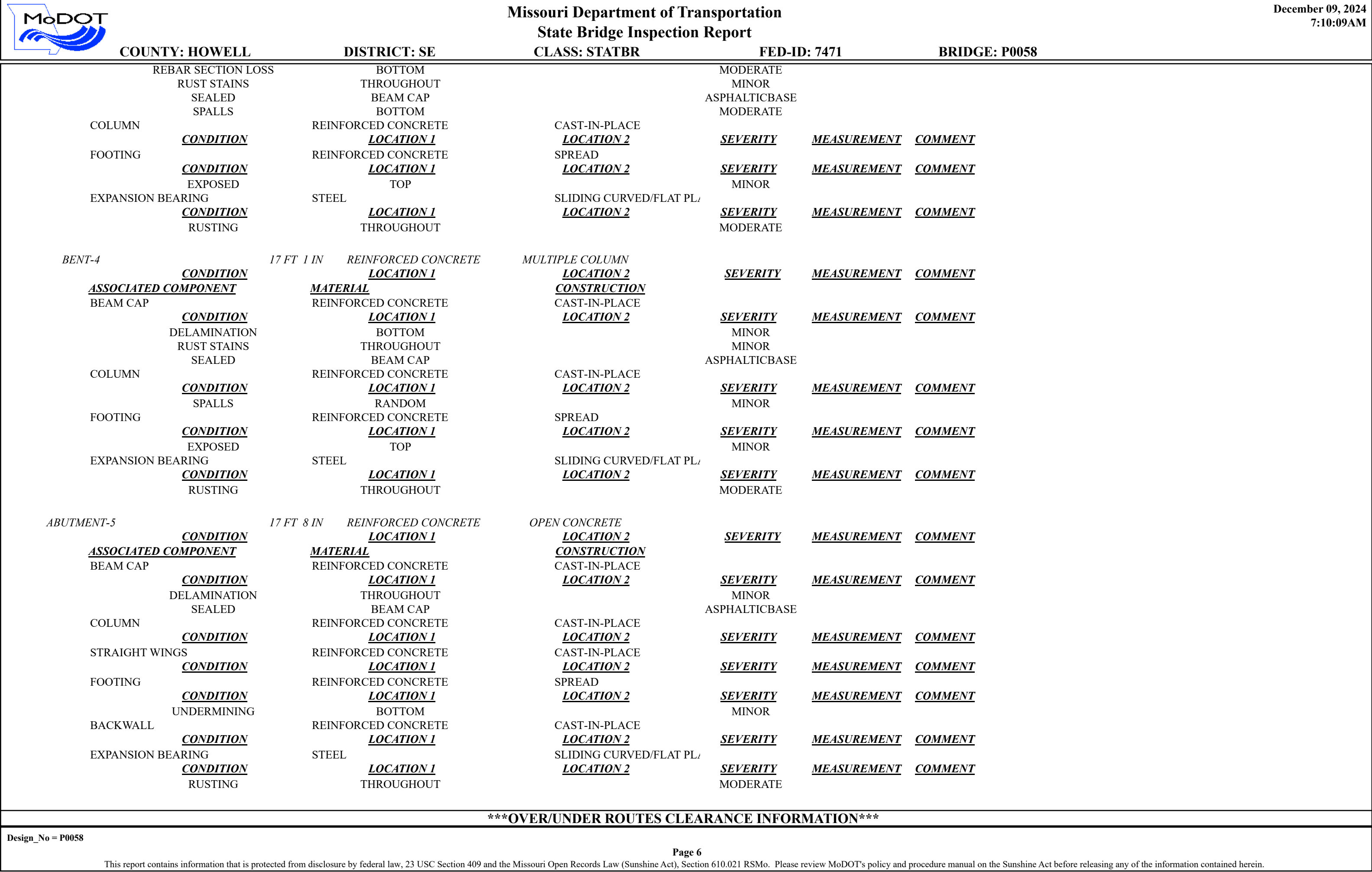
DISTRICT: SE


CLASS: STATBR


FED-ID: 7471

BRIDGE: P0058

SPALLS		ENDS		MINOR				
MAIN SPANS-4		NON-COMPOSITE		27 FT 6 IN		NO		
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FLEXURE CRACKS		ENDS				SMALL		
FLEXURE CRACKS		MID SPAN				FEW		
REBAR EXPOSED		ENDS				MINOR		
SPALLS		ENDS				MODERATE		
SUBSTRUCTURE COMPONENTS								
<u>SUBSTRUCTURE</u>	<u>SKEW</u>	<u>LENGTH</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>LABEL</u>	<u>COMMENTS</u>		
ABUTMENT-1								
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>				
BEAM CAP		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>	
DELAMINATION		THROUGHOUT			MINOR			
SEALED		BEAM CAP			ASPHALTICBASE			
COLUMN		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>	
STRAIGHT WINGS		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>	
FOOTING		REINFORCED CONCRETE		SPREAD				
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
BACKWALL		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>	
EXPANSION BEARING		STEEL		SLIDING CURVED/FLAT PL				
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
RUSTING		THROUGHOUT			MODERATE			
BENT-2								
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>				
BEAM CAP		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>	
DELAMINATION		BOTTOM			MINOR			
SEALED		BEAM CAP			ASPHALTICBASE			
COLUMN		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>	
FOOTING		REINFORCED CONCRETE		SPREAD				
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
EXPANSION BEARING		STEEL		SLIDING CURVED/FLAT PL				
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
RUSTING		THROUGHOUT			MODERATE			
BENT-3								
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
<u>ASSOCIATED COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>				
BEAM CAP		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>	
REBAR EXPOSED		BOTTOM			MODERATE			



		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>December 09, 2024</div> <div>7:10:09AM</div>																	
COUNTY: HOWELL		DISTRICT: SE		CLASS: STATBR		FED-ID: 7471		BRIDGE: P0058															
<div><div>CLEARANCES OVER DECK</div><div><div>**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.</div><table><tr><td>VERTICAL CLEARANCE TYPE**</td><td>VALUE</td><td>DIRECTION</td><td>DATE</td><td>COMMENT</td></tr></table></div></div>										VERTICAL CLEARANCE TYPE**	VALUE	DIRECTION	DATE	COMMENT									
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VERTICAL CLEARANCE TYPE**	VALUE	DIRECTION	DATE	COMMENT																			
STRUCTURE PAINT INFORMATION																							
<div><div>CONDITION:</div><div><div><div>ORIGINAL PAINT</div><div>PAINT TYPE : NAME : PAINT COLOR : PAINT YEAR : MILS :</div></div><div><div>RUST AMOUNT :</div></div><div><div>CONTRACT REPAINT</div><div>PAINT TYPE : NAME : PAINT COLOR : PAINT YEAR : MILS :</div></div><div><div>STEEL TONS : 0</div><div><div>DEPARTMENT REPAINT</div><div>MANUFACTURE : SURFACE PREP :</div></div></div></div></div>																							
REQUESTED WORK ITEMS																							
<div><div>GENERAL WORK COMMENTS:</div><table><tr><td>RESPONSIBILITY</td><td>LOCATION</td><td>ITEM</td><td>CATEGORY</td><td>PRIORITY</td><td>DATE</td><td>WORK ITEM COMMENT</td></tr></table></div>										RESPONSIBILITY	LOCATION	ITEM	CATEGORY	PRIORITY	DATE	WORK ITEM COMMENT							
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UTILITY ATTACHMENTS																							
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COUNTY: HOWELL		DISTRICT: SE		CLASS: STATBR	FED-ID: 7471	BRIDGE: P0058																																	
<u>YEAR</u> 2026	<u>PROJECT #</u> 9S3684	<u>MONTH LET</u> 0	<u>YEAR LET</u> 2026	<u>ITEMS</u> REPLACE BRIDGE	<u>COMMENT</u>																																		
COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS					***ADVANCED SIGN INFORMATION***																																		
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.					SIGN #																																		
<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>12/17/2018</td></tr><tr><td>[Item 68] Deck Geometry Rating:</td><td>2-BASICALLY INTOLRBLE REQ</td><td>3/25/2002</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>16.7%</td><td>3/6/2024</td></tr><tr><td>Deficiency:</td><td>STRUCTURAL</td><td>4/2/2003</td></tr><tr><td>Funding Eligibility:</td><td>FULL</td><td>----</td></tr><tr><td>Estimated New Structure Length:</td><td>161 FT.</td><td>----</td></tr><tr><td>Estimated Structure Cost:</td><td>\$837,039</td><td>----</td></tr><tr><td>Estimated Total Project Cost:</td><td>\$1,255,559</td><td>----</td></tr><tr><td>Year of Cost Estimate:</td><td>2024</td><td>----</td></tr></table>					<u>Rated Item</u>	<u>Rating</u>	<u>Rating Date</u>	[Item 67] Structure Evaluation Rating:	4-MEETS MINIMUM TOLERABLE	12/17/2018	[Item 68] Deck Geometry Rating:	2-BASICALLY INTOLRBLE REQ	3/25/2002	[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001	Sufficiency Rating:	16.7%	3/6/2024	Deficiency:	STRUCTURAL	4/2/2003	Funding Eligibility:	FULL	----	Estimated New Structure Length:	161 FT.	----	Estimated Structure Cost:	\$837,039	----	Estimated Total Project Cost:	\$1,255,559	----	Year of Cost Estimate:	2024	----	SIGN TYPE	
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					PROBLEM DIRECTION																																		
					OUTFALL INSPECTION INFORMATION																																		
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.					# OUTFALLS:																																		
					INSPECTOR:																																		
					STATUS:																																		
					DATE:																																		
					NOTES:																																		



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

December 9, 2024
7:14:28am

COUNTY : HOWELL BRIDGE : P0058 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 12/6/2024 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	MO
3	County	HOWELL	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	7471	5D	Route Number	00142
27	Year Built	1951	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	MO 142 E
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	01
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	MYATT	29	AADT	192
	Code	50960	30	AADT Year	2023
9	Location	S 4 T 21 N R 7 W	102	Direction of Traffic	ONE LANE BRIDGE FOR 2-WAY
11	Milepoint	24.61 miles	109	AADT Truck Percent	10%
16	Latitude	36 D 31 M 4 S	114	Future AADT	288
17	Longitude	91 D 44 M 19 S	115	Future AADT Year	2043
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	MYATT CR	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	WATERWAY	19	By pass Detour Length	44.38 miles
28B	Lanes Under Structure	00	32	Approach Roadway Width	20 Ft. 0 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	14 Ft. 1 In.
55B	Rt. Lat Clearance	0 Ft. 0 In.	48	Maximum Span Length	37 Ft. 5 In.
56	Left Lat Clearance	0 Ft. 0 In.	49	Structure Length	129 Ft. 11 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	14 Ft. 1 In.
111	Nav. Pier Protection		52	Deck Width (Out-Out)	17 Ft. 1 In.
116	Nav. Cl. Vert. Clear		53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design_No = P0058 and Inventory_Appraisal_Submittal_Year = 2024



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

December 9, 2024
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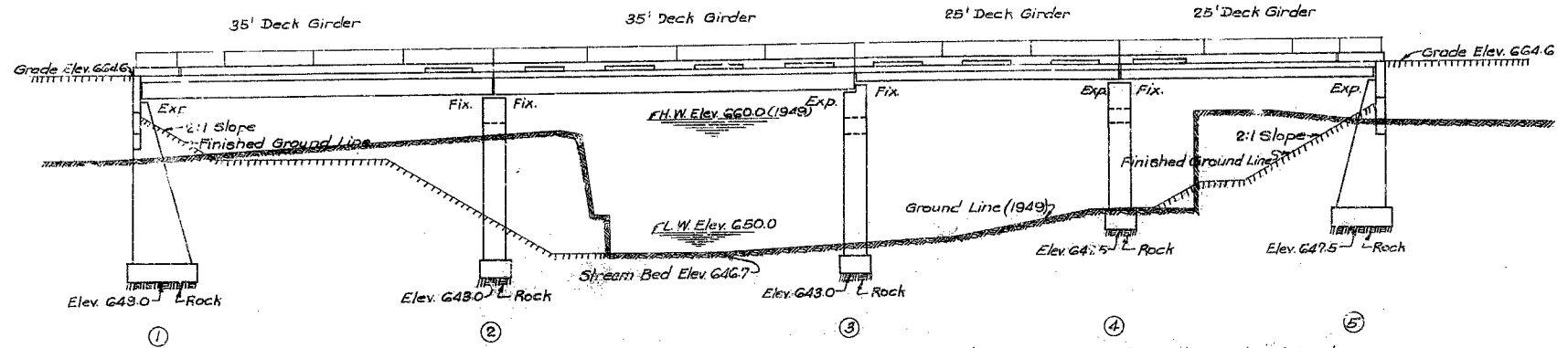
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RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 12/6/2024 SUBMITTAL YEAR : 2024

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 10	43A	Main Struc. Mat type	CONCRETE
41	Structure Status	POSTED FOR LOAD	43B	Main struc Constr. Type	TEE BEAM
63	Oper. Rating Meth.	LOAD FACTOR	45	# of Main Spans	4
64	Operating Rating	25 Tons.	44A	Appr Struc. Mat type	000
65	Inventory Rating Meth	LOAD FACTOR	44B	Appr Struc. Cnstr. type	000
66	Inventory Rating	15 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	30.0-39.9% BELOW	107	Deck Mat/Constr.	1 CONCRETE CIP
			108A	Wear Surf Mat/Constr.	6 BITUMINOUS
			108B	Membrane Mat/Constr.	0 NONE
			108C	Deck Protect Mat/Constr.	0 NONE
PROPOSED IMPROVEMENT INFORMATION			CONDITION RATING INFORMATION		
	Sufficiency Rating	16.7 Percent	58	Deck Cond. Rating	4
	Deficiency Rating	STRUCTURAL	59	Superstructure Cond. Rating	4
	Funding Eligibility	FULL	60	Substructure Cond. Rating	5
75A	Proposed Work	REPLACEMENT SUBSTND LOAD	61	Channel /Channel Protection Cond. Rating	5
75B	Work Done By	Contract	62	Culvert Cond. Rating	N
76	New Struc Length	160 Ft. 9 In.			
94	Struc Improve Cost	\$ 837,000	INSPECTION INFORMATION		
95	Roadway Improve Cost	\$ 84,000	90	Gen. Insp Date	12 / 24
96	Total Project Cost	\$ 1,256,000	91	Gen. Insp. Frequency	12 Months
97	Year of Cost Estimates	2024	92A	Frac. Critical Inspection	N Months
			93A	Frac. Critical Insp. Date	
			92B	Underwater Inspection	N Months
			93B	Underwater Insp. Date	
			92C	Special Inspection	N Months
			93C	Special Inspection Date	
APPRAISAL RATING INFORMATION			BORDER BRIDGE INFORMATION		
36A	Br. Rail App. Rating	DOES NOT MEET ACCEPT STND	98	Neighboring State Code	
36B	Transition Rail App. Rating	DOES NOT MEET ACCEPT STND	98B	Neighboring State % Respon	
36C	Approach Rail App. Rating	DOES NOT MEET ACCEPT STND	99	Neighboring State Struc. No.	
36D	Rail End Treat. App. Rating	DOES NOT MEET ACCEPT STND			
67	Struc Eval App. Rating	4	APPROVED POSTING INFORMATION		
68	Deck Geometry App. Rating	2	FIELD POSTING INFORMATION		
69	Underclearance App. Rating	N	Approved Posting Category	S-17	
71	Waterway Adeq. App. Rating	5		Ton1	Ton2 Ton3
72	Approach Road App. Rating	6	Tonnage Values for Posting Sign	14	19 34
113	Scour Assess App. Rating	8	General Text for Posting Sign		
			CL OF BR AND TRK OVR 14 T 15MPH ON BR EXCPT SNGLE UNT TRKS WT LMT 19 T OTHR TRKS WT LMT 34 T.	TRKS OVR 14 TNS 15MPH ON BR EXCPT SNGLE UNIT TRKS WT LIMIT 19 TNS&ALL OTHR TRKS WT LIMIT 34 TNS.	

Design_No = P0058 and Inventory_Appraisal_Submittal_Year = 2024

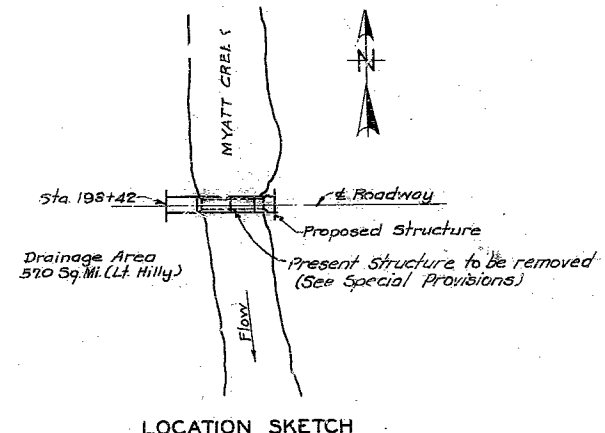
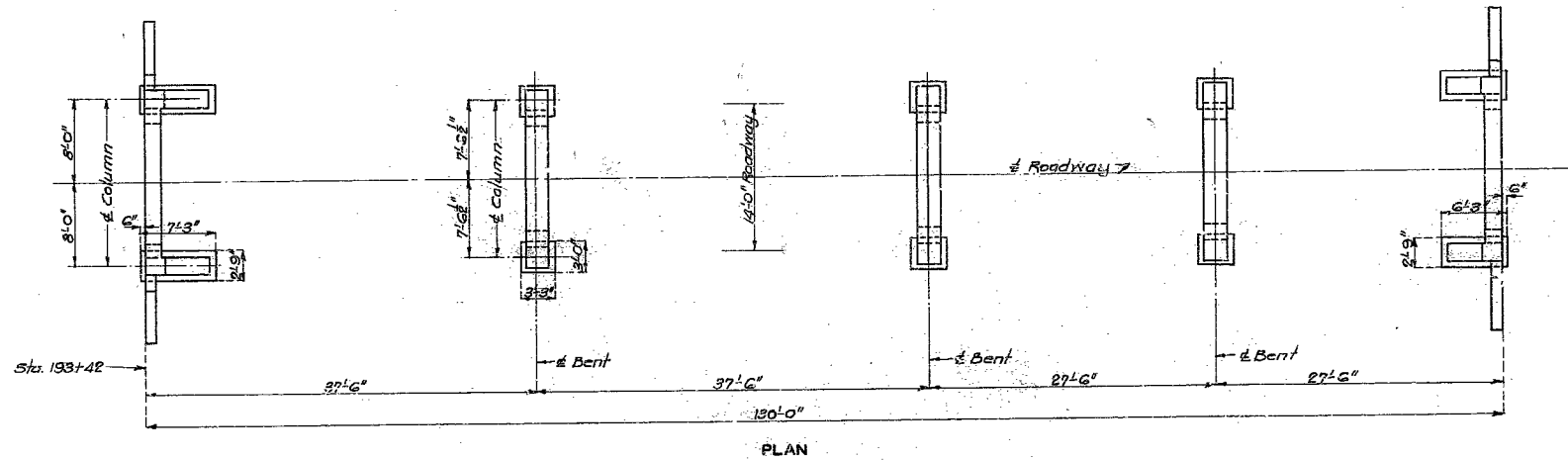
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	5-198(2) Sec. 41-30	19		



Note: All loose, shelly or disintegrated rock shall be removed and the footings placed on hard, solid undisturbed rock. If soft rock or shale is encountered the footings shall be carried at least 18" into and cast against vertical faces of same. In no case shall footings of Bents No. 2, 3 and 4 be placed higher than elevations shown.

Note: Old roadway fill under ends of bridge shall be removed to natural ground line. Payment for this excavation outside limits of excavation for structure will be made at unit contract price for Roadway Excavation.



ESTIMATED QUANTITIES			
Item	Substr.	Superstr.	Total
Class 1 Excavation for Structures	Cu. Yds. 60		60
Class 2 Excavation for Structures	Cu. Yds. 100		100
Class B Concrete (Handrail)	Cu. Yds.	11.0	11.0
Class B Concrete (Except Handrail)	Cu. Yds. 61.1	83.9	145.0
Reinforcing Steel	Lbs. 6950	23110	32060
Structural Steel Bearing Plates	Lbs.	1650	1650

Note: Excavation for bridge made above Elev. 651.0 will be paid for as Class 1 Excavation for Structures. Excavation for bridge made below Elev. 651.0 will be paid for as Class 2 Excavation for Structures.

COMPLETE BILL OF SUBSTRUCTURE REINFORCING STEEL

No.	Size	Length	Mark	Location	Bending Sketches & Cutting Diagrams	
End Bents No. 1 & 5						
28	3/4"	5'-3"	D1	Footings		
16	3/4"	8'-0"	F1	Abutments		
12	3/4"	17'-6"	H1	Beam		
4	1"	19'-6"	H2	Abutment		
4	3/4"	17'-6"	H3	" "		
16	3/4"	12'-3"	H4	Wing		
4	3/4"	19'-6"	H5	Abutment		
8	3/4"	11'-6"	H6	Wing		
6	3/4"	11'-9"	V7	" "		
8	3/4"	12'-6"	V8	" "		
18	3/4"	10'-3"	V1	Beam		
18	3/4"	2'-3"	V2	" "		
10	3/4"	8'-6"	V3	Wing		
6	3/4"	17'-6"	V4	Column		
8	3/4"	17'-0"	V3	" "		
8	3/4"	11'-9"	V4	" "		
24	3/4"	14'-0"	V5	" "		
8	3/4"	12'-9"	V9	Column		
6	3/4"	13'-0"	V9	" "		
16	3/4"	12'-9"	V10	" "		
3	3/4"	7'-3"	V11	" "		
6	3/4"	12'-3"	V3	Wing		
18	3/4"	10'-9"	V6	Beam		

Int. Bents 2, 3 & 4						
No.	Size	Length	Mark	Location		
48	3/4"	5'-3"	D1	Footings		
24	3/4"	8'-0"	F1	Abutments		
6	1"	19'-6"	G1	Abutment		
9	3/4"	18'-9"	G2	" "		
6	3/4"	18'-9"	G3	Abutment		
6	3/4"	16'-9"	G4	" "		
2	3/4"	16'-9"	G5	Abutment		
1	1"	19'-6"	G6	" "		
31	3/4"	9'-0"	U3	Beam		
18	3/4"	3'-0"	U4	" "		
28	3/4"	2'-0"	U5	Abutment		
32	3/4"	17'-0"	V6	Column		
70	3/4"	8'-3"	V7	" "		
16	3/4"	12'-9"	V12	Column		

BAR SIZE EQUIVALENTS		
No.	Size	Length
#2	1/4" x 1/4"	#7 = 7/8"
#3	3/8" Rd	#8 = 1" Rd
#4	1/2" Rd	#9 = 1 1/8" Rd
#5	5/8" Rd	#10 = 1 1/4" Rd
#6	3/4" Rd	#11 = 1 1/2" Rd

5-VI CUT 10

U2-U4-U5

Note: See Sheets No. 4 and 5 of 6 for reinforcing steel in superstructure.

GENERAL NOTES:

Design Specifications A.A.S.H.O. 1949
Loading H10-44
Reinforcing Steel Stress 18,000#/sq.
Class B Concrete Stress 1,000#/sq.
All concrete shall be Class B.
Where Joint Filler is specified on plans it shall conform with the requirements of Section 38-19.4 (1) of the Standard Specifications for Premolded Material for Filler.

B.M. Elev. 657.48 N.I.R.P. 162' Lt. Sta. 193+60
BRIDGE OVER MYATT CREEK
STATE ROAD FROM LANTON EAST TO OREGON CO. LINE.
ABOUT 12.3 MILES W. OF THAYER.
PROJECT NO. S-938(2) SEC. A (50) STA. 193+42
HOWELL COUNTY

SUBMITTED BY V.W. Enslow DATE 6/5/1951
APPROVED BY C.W. Brown DATE 6/5/1951

FINISHED
STD. C-8209
STD. C-110 R3
P-58

FINISHED

FINISHED

Sheet No. 1 of 6.

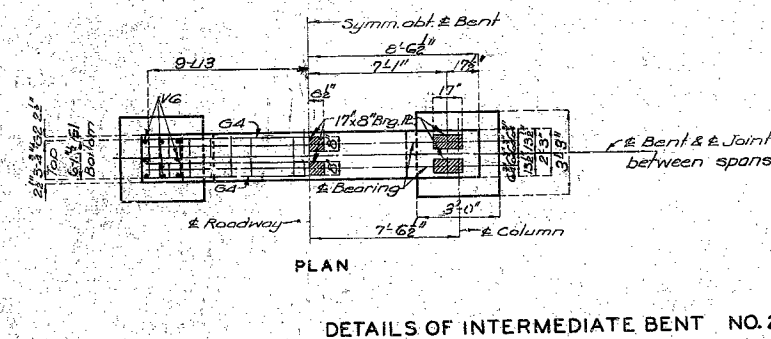
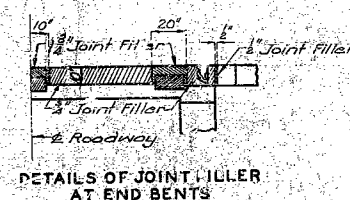
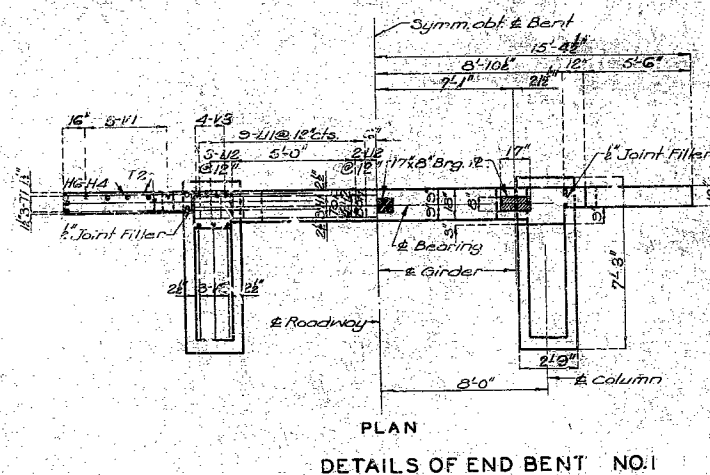
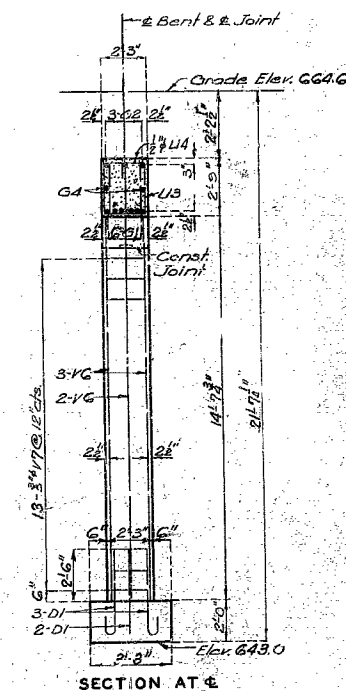
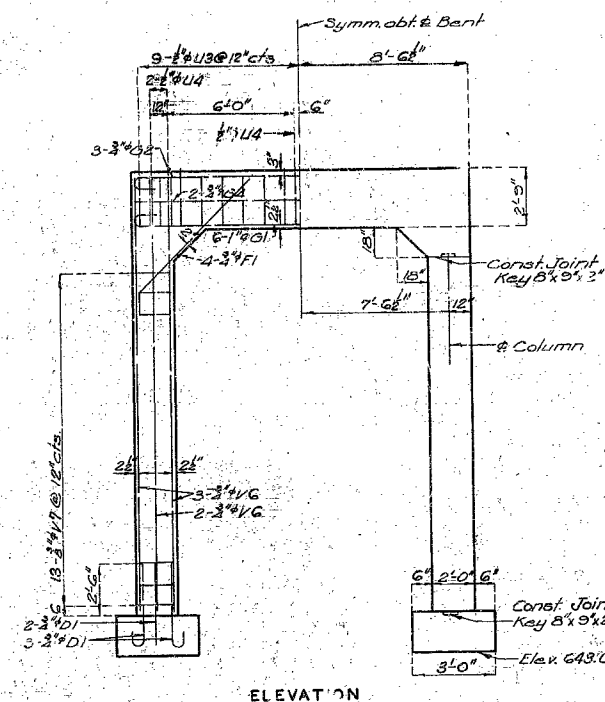
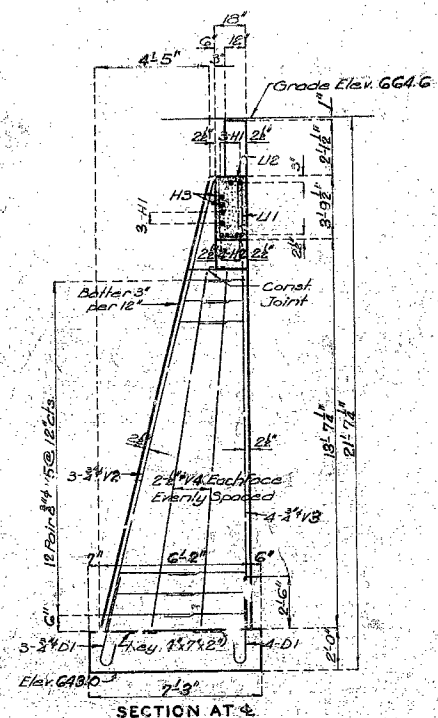
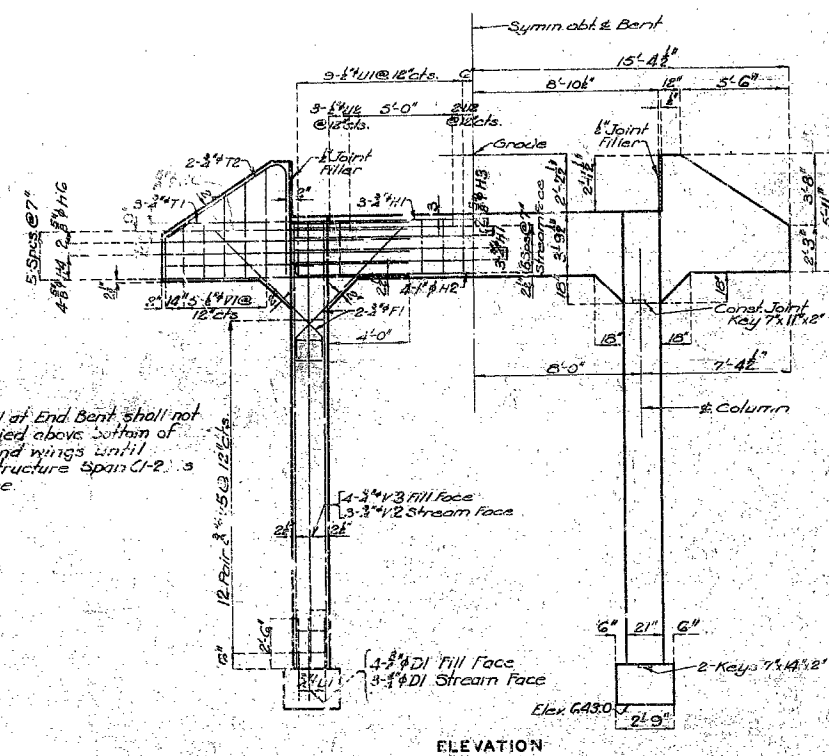
SEE FINAL PLANS BROWN LINES

106

Drawn Nov. 1950 by W.L.W.
Traced Dec. 1950 by M.E.L.
Checked Feb. 1951 by C.S.A.

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

Note: Fill at End Bent shall not be carried above bottom of beam and wings until Super-structure Span C-2 is in place.



BRIDGE OVER MYATT CREEK

STATE ROAD FROM LANTON EAST TO OREGON CO. LINE
ABOUT 12.3 MILES W. OF THAYER
PROJECT NO. S-933(2) SEC. A (SO) STA. 195.42

HOWELL COUNTY

FINISHED

FINISHED

FINISHED

P-58

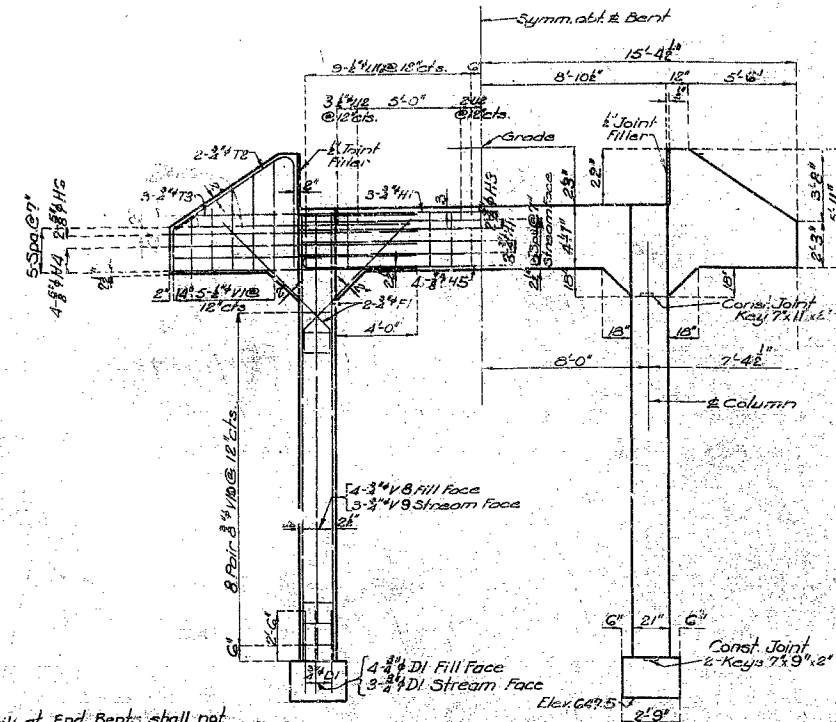
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Traced Nov. 1950 by M.E.L.
Checked Feb. 1951 by C.S.A.

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

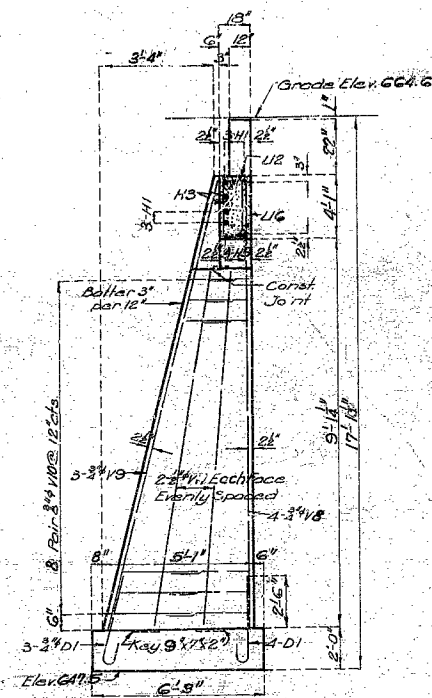
Sheet No. 2 of 6

MISSOURI STATE HIGHWAY DEPARTMENT

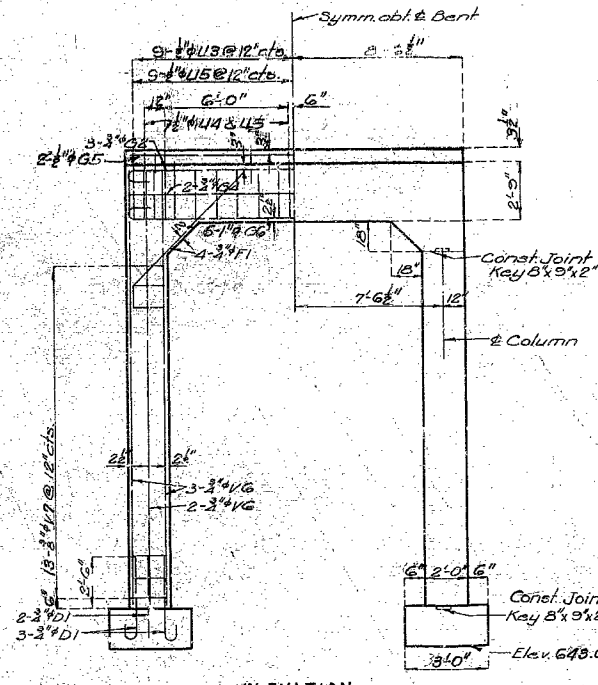
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5	MO	8-738(2) Sec. A(50)	19		



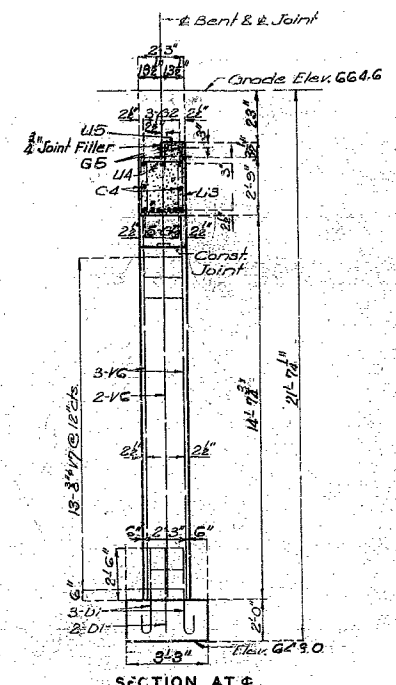
ELEVATION



SECTION AT 4

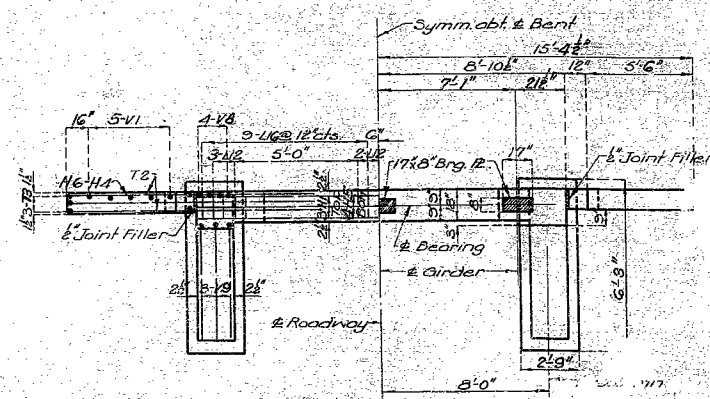


ELEVATION



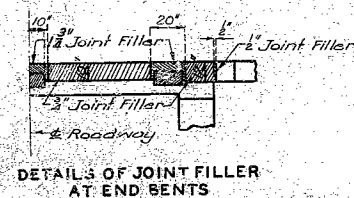
SECTION AT 4

Note: Fill at End Bent shall not be carried above bottom of beam and wings until superstructure Span (4-5) is in place.

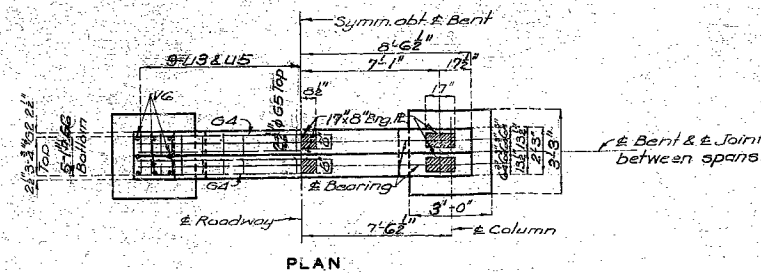


PLAN

DETAILS OF END BENT NO. 5



DETAILS OF JOINT FILLER AT END BENTS



PLAN

DETAILS OF INTERMEDIATE BENT NO. 3

BRIDGE OVER MYATT CREEK

STATE ROAD FROM LANTON EAST TO OREGON CO. LINE.
ABOUT 12.3 MILES W. OF THAYER
PROJECT NO. S-938(2) SEC. A (50) STA. 193+42

HOWELL COUNTY

FINISHED

FINISHED

P-58

FINISHED

Sheet No. 3 of 6

SEE FINAL PLANS FOR ALL LINES

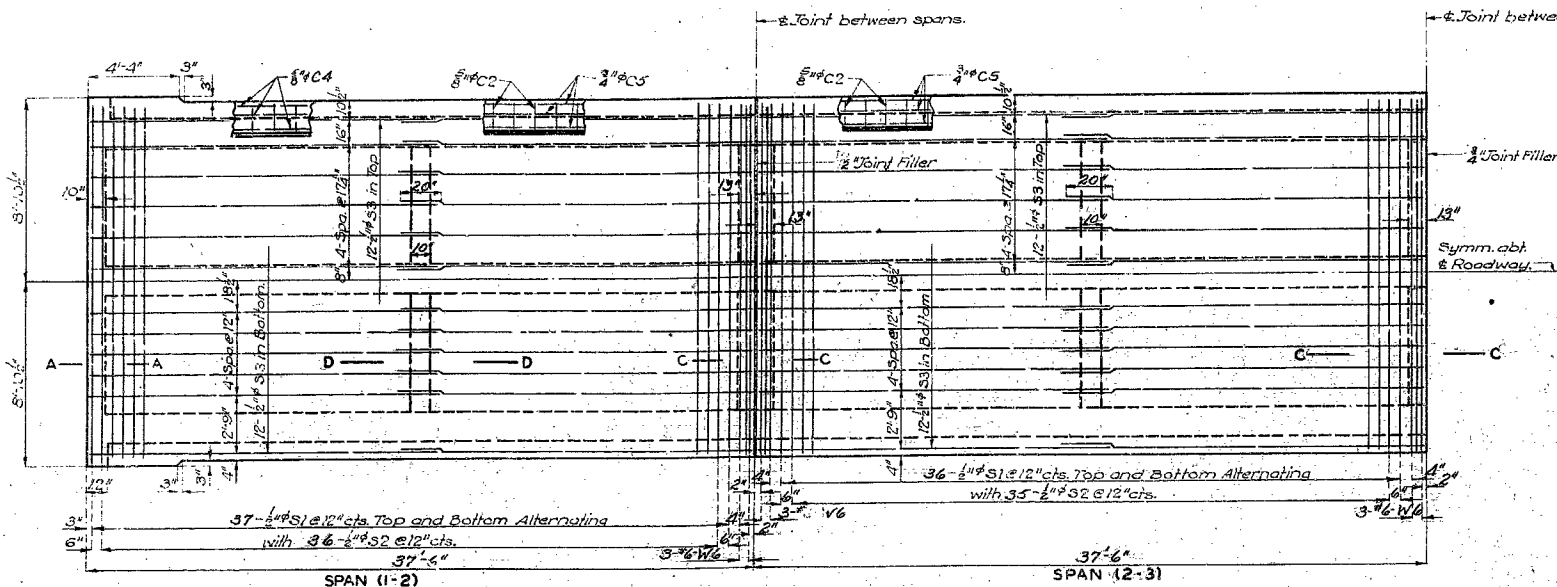
Note: This drawing is not to scale. Follow dimensions.

Drawn Nov. 1950 by W.L.W.
Traced Nov. 1950 by M.E.L.
Checked Feb. 1951 by C.S.P.

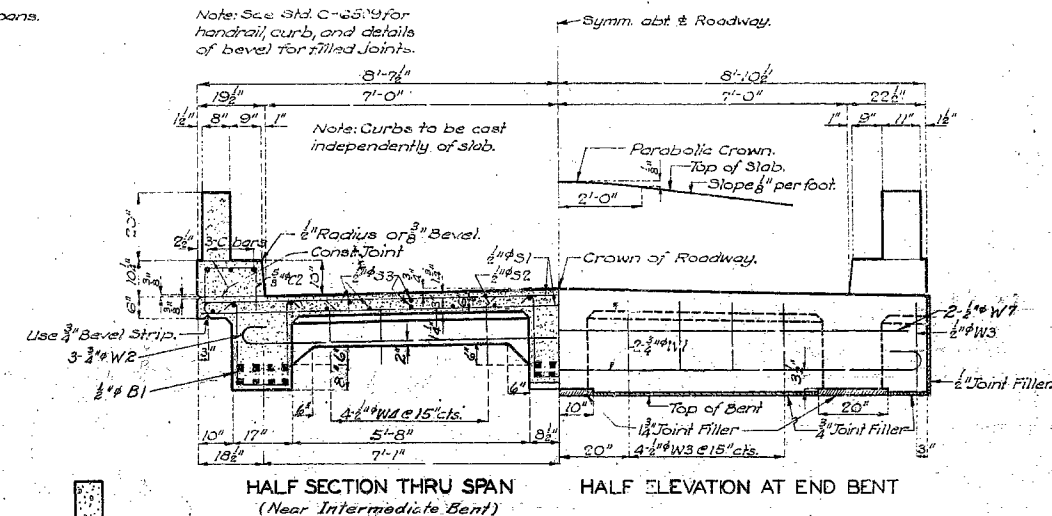
108

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO	S-938(2) Sec. A (50)	19		

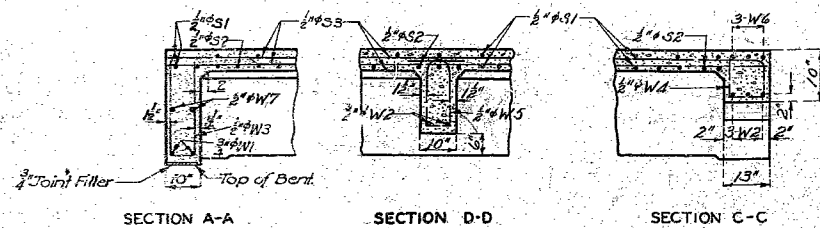


PLAN OF SLAB SHOWING REINFORCEMENT



HALF SECTION THRU SPAN (Near Intermediate Bent)

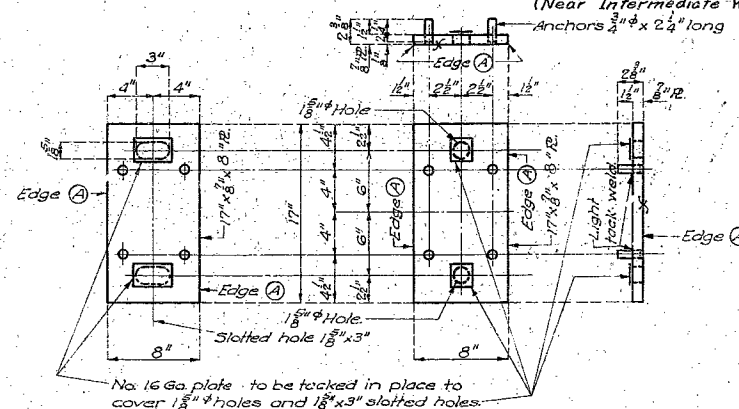
HALF ELEVATION AT END BENT



SECTION A-A

SECTION D-D

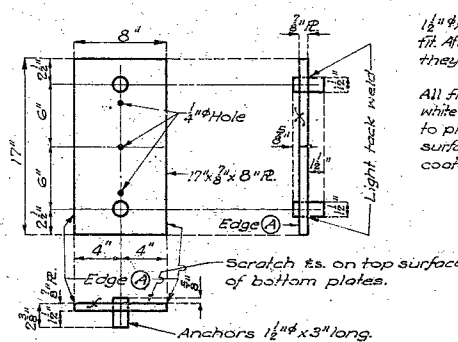
SECTION C-C



TOP PLATE - EXP.

TOP PLATE - FIX.

Notes for Bearings:
Holes in 1/2\"/>



DETAILS OF BEARING PLATES

No.	Size	Length	Mark	Location	Bending Sketches
10	3/8"	3'-6"	C1	Curb	
100	3/8"	3'-3"	C2	"	
2	3/8"	4'-0"	C3	"	
16	3/8"	19'-9"	C4	"	
18	3/8"	20'-0"	C5	"	
146	1/2"	17'-0"	S1	Slab	
71	1/2"	18'-9"	S2	"	
96	1/2"	19'-6"	S3	"	
2	3/8"	19'-6"	W1	End Web	
13	3/8"	17'-0"	W2	"	
10	3/8"	5'-6"	W3	"	
24	3/8"	3'-9"	W4	"	
16	3/8"	6'-0"	W5	"	
9	3/8"	17'-0"	W6	"	
2	3/8"	17'-6"	W7	"	
174	1/2"	5'-3"	B1	Girder	
24	1/2"	3'-9"	B2	"	
12	1/2"	3'-9"	B3	"	
12	1/2"	3'-7"	B4	"	
15	3/8"	6'-0"	R1	Rail	
150	3/8"	4'-9"	R2	"	
4	3/8"	3'-9"	R3	"	
4	3/8"	8'-9"	R4	"	
4	3/8"	6'-9"	R5	"	
24	1/2"	9'-0"	R6	"	
32	1/2"	9'-0"	R7	"	

Note: Bars in above unit to be billed and tagged separately.

BAR SIZE EQUIVALENTS	
#2 = 1/4" Rd.	#7 = 7/8" Rd.
#3 = 3/8" Rd.	#8 = 1" Rd.
#4 = 1/2" Rd.	#9 = 1 1/8" Sq.
#5 = 5/8" Rd.	#10 = 1 1/4" Sq.
#6 = 3/4" Rd.	#11 = 1 3/4" Sq.

BRIDGE OVER MYATT CREEK

STATE ROAD FROM LANTON EAST TO OREGON CO. LINE
ABOUT 123 MILES W. OF THAYER
PROJECT NO. S-938(2) SEC. A (50) STA. 193+42

HOWELL

COUNTY

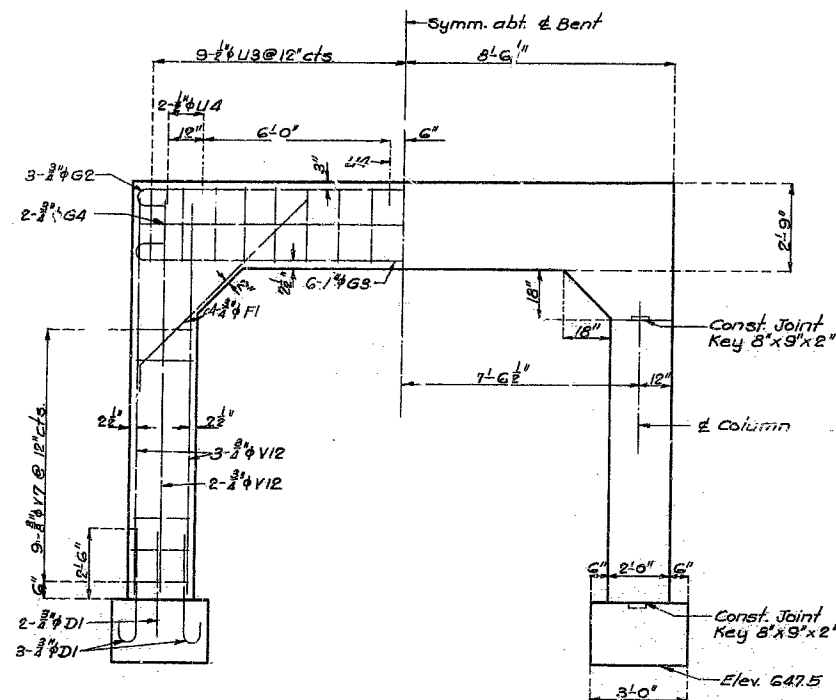
FINISHED

P-58

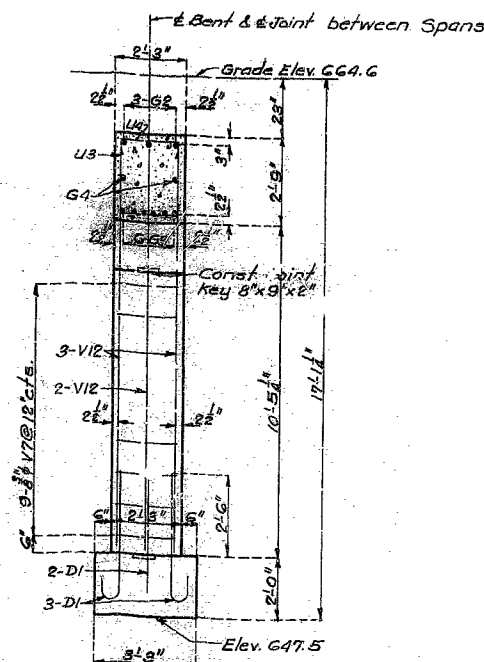
6

MISSOURI STATE HIGHWAY DEPARTMENT

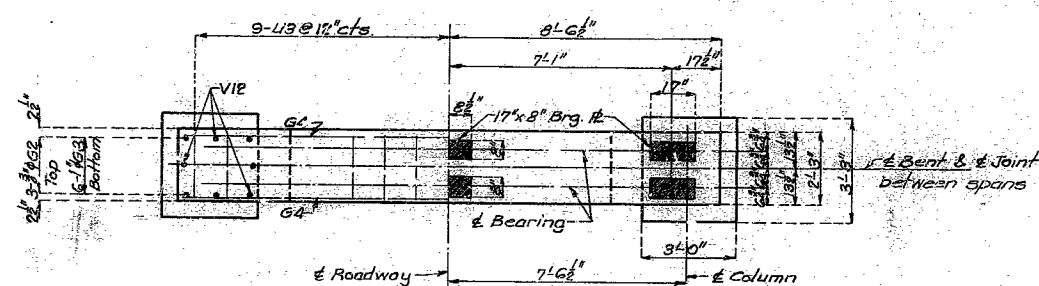
FED. ROAD DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	3-138(2) Sec. 100	19		



ELEVATION



SECTION AT E



PLAN

DETAILS OF INTERMEDIATE BENT NO. 4.

BRIDGE OVER MYATT CREEK

STATE ROAD FROM LANTON EAST TO OREGON CO. LINE
ABOUT 12.3 MILES W. OF THAYER
PROJECT NO. S-938(2) SEC. A (50) STA. 193+42

HOWELL COUNTY

Drawn Nov. 1950 by W.L.W.
Traced Dec. 1950 by M.E.L.
Checked Feb. 1951 by C.S.A.

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

Sheet No. 6 of 6

SEE FINAL PLANS BROWN-LINES

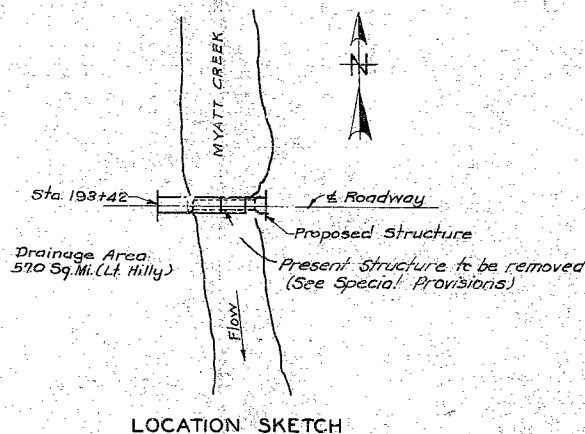
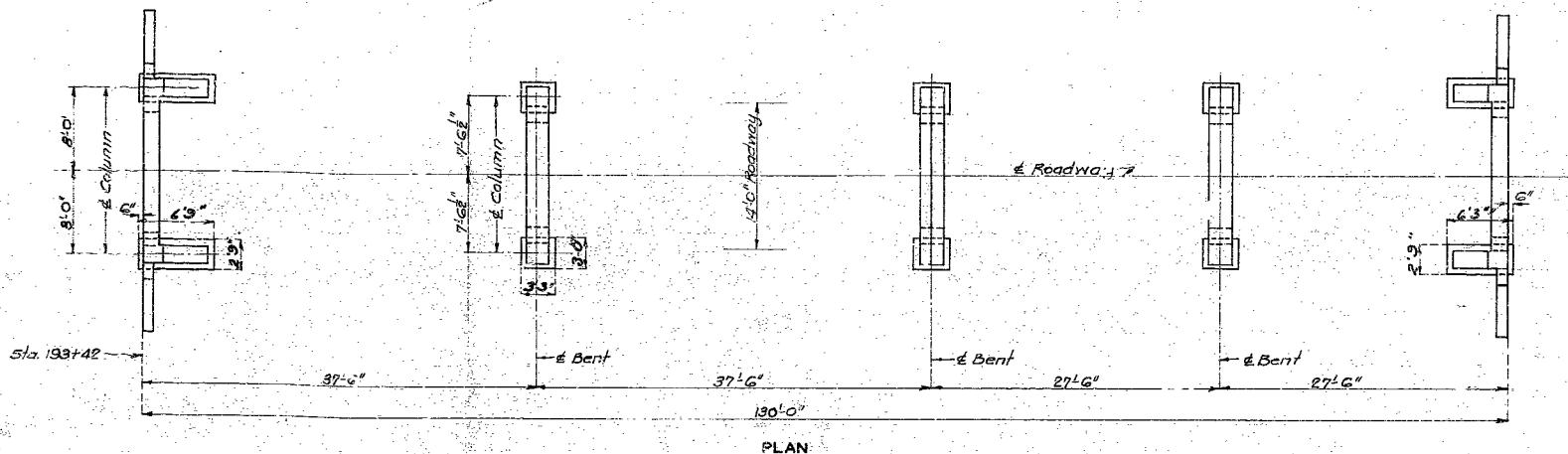
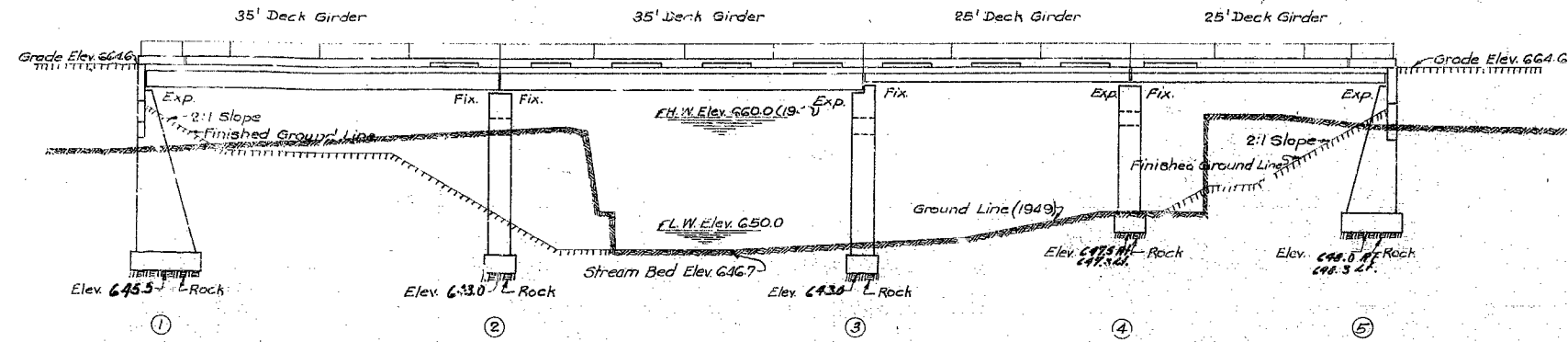
FINISHED

F-58

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO	5-938(2)	19		

FINAL PLANS



FINAL QUANTITIES			
Item	Substr.	Superstr.	Total
Class 1 Excavation for Structures	Cu. Yds. 69.5		69.5
Class 2 Excavation for Structures	Cu. Yds. 78.5		78.5
Class "B" Concrete (Handrail)	Cu. Yds. 11.0		11.0
Class "B" Concrete (Except Handrail)	Cu. Yds. 55.6	23.9	142.5
Reinforcing Steel	Lbs. 6230	25170	32000
Structural Steel Bearing Plates	Lbs. 1650		1650
Class 2 Extra Below Plan Elev.	Cu. Yds. 0.5		0.5
Test holes for footings	L. F. 40.0		40.0

Note: Excavation for bridge made above Elev. 651.0 will be paid for as Class 1 Excavation for Structures.
Excavation for bridge made below Elev. 651.0 will be paid for as Class 2 Excavation for Structures.

COMPLETE BILL OF SUBSTRUCTURE REINFORCING STEEL					
No.	Size	Length	Mark	Location	Bending Sketches & Cutting Diagrams
28	3/4"	5' 3"	D1	Footings	
16	3/4"	8' 0"	F1	Launch	
12	3/4"	17' 6"	H1	Beam	
4	1"	19' 6"	H2	Beam	
4	3/4"	17' 6"	H3	" "	
16	3/4"	12' 3"	I1	Wing	
4	3/4"	19' 6"	H5	Beam	
8	3/4"	11' 6"	H6	Wing	
6	3/4"	11' 9"	T1	" "	
8	3/4"	12' 6"	T2	" "	
18	3/4"	10' 3"	V1	Beam	
18	3/4"	2' 3"	U1	" "	
10	3/4"	8' 6"	V1	Wing	
6	3/4"	17' 6"	V2	Beam	
8	3/4"	17' 6"	V3	" "	
8	3/4"	11' 9"	V4	" "	
24	3/4"	14' 0"	V5	" "	
8	3/4"	12' 9"	V6	Beam	
6	3/4"	13' 0"	V7	" "	
16	3/4"	12' 3"	V10	" "	
8	3/4"	7' 3"	V11	" "	
6	3/4"	12' 3"	T3	Wing	
18	3/4"	10' 9"	U6	Beam	
Int. Bents 2, 3 & 4					
48	3/4"	5' 3"	D1	Footings	
24	3/4"	8' 0"	F1	Launch	
6	1"	19' 6"	G1	Beam	
9	3/4"	18' 5"	G2	" "	
6	1"	18' 9"	G3	Beam	
6	3/4"	16' 9"	G4	" "	
2	3/4"	16' 9"	G5	Beam	
5	1"	19' 3"	G6	" "	
51	3/4"	9' 9"	U3	Beam	
18	3/4"	3' 0"	U4	" "	
29	3/4"	2' 0"	U5	Beam	
32	3/4"	17' 0"	V6	Beam	
20	3/4"	8' 3"	V7	" "	
16	3/4"	12' 9"	V12	Beam	

BAR SIZE EQUIVALENTS	
#2 = 1/4" Rd	#7 = 1 1/8" Rd
#3 = 3/8" Rd	#8 = 1" Rd
#4 = 1/2" Rd	#9 = 1 1/4" Rd
#5 = 5/8" Rd	#10 = 1 3/4" Rd
#6 = 3/4" Rd	#11 = 1 7/8" Rd

Note: See Sheets No. 4 and 5 of 6 for reinforcing steel in superstructure.
GENERAL NOTES:

Design Specifications A.A.S.H.O. 1949
Loading H10 - 44
Reinforcing Steel Stress 18,000#/sq.
Class "B" Concrete Stress 1,000#/sq.
All concrete shall be Class "B"
Where joint filler is specified on plans it shall conform with the requirements of Section 38-19A.11 of the Standard Specifications for Premoulded Material for Filler.

B.M. Elev. 657.48 N.I.P.P. 162' L.T. Sta. 193+60

BRIDGE OVER MYATT CREEK

STATE ROAD FROM LANTON EAST TO OREGON CO. L.S.

ABOUT 12.3 MILES W. OF THAYER.

PROJECT NO. S-938(2) SEC. A (50) STA. 193+42

HOWELL

COUNTY

FINISHED

SUBMITTED BY V.W. Enelow DATE 6/5/1951
APPROVED BY C.W. Brown DATE 6/5/1951

STD.C-6509

STD.C-10 R3

P-58

Drawn Nov. 1950 by W.L.W.
Traced Dec. 1950 by M.E.L.
Checked Feb. 1951 by C.S.P.

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

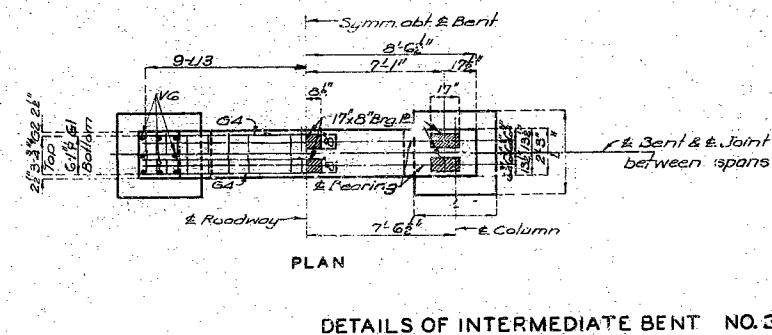
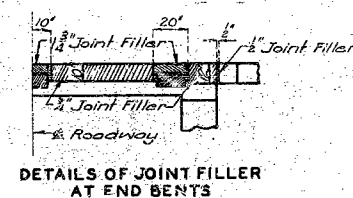
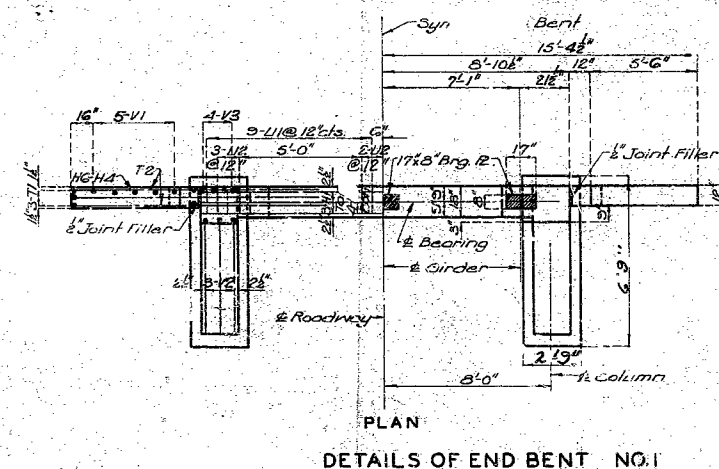
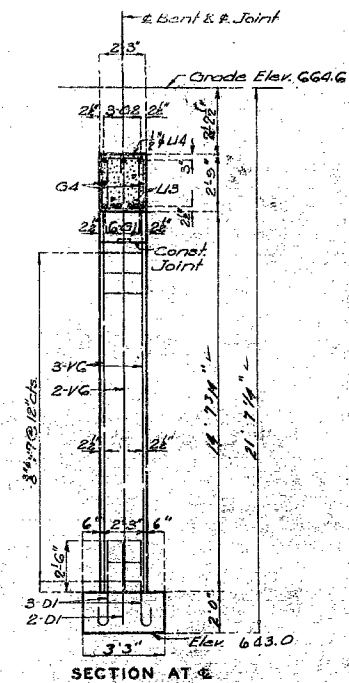
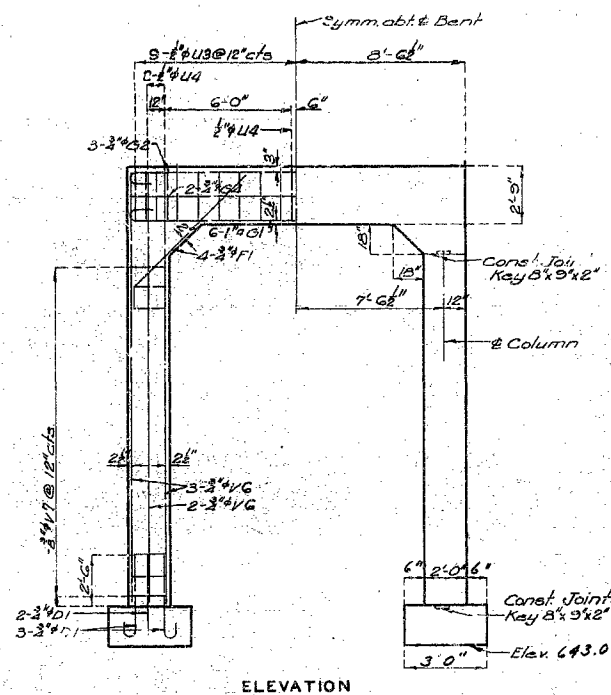
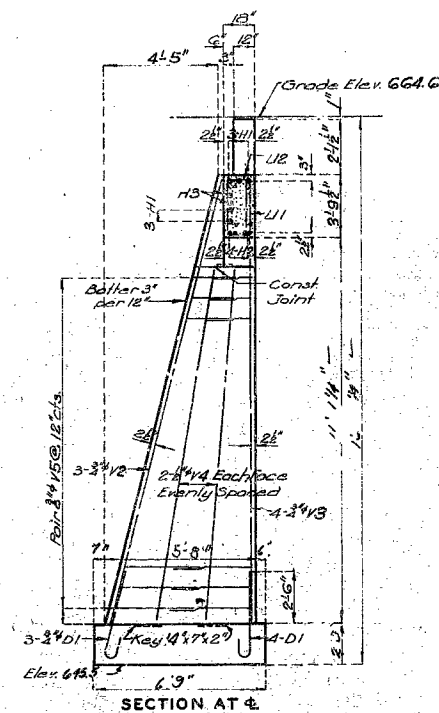
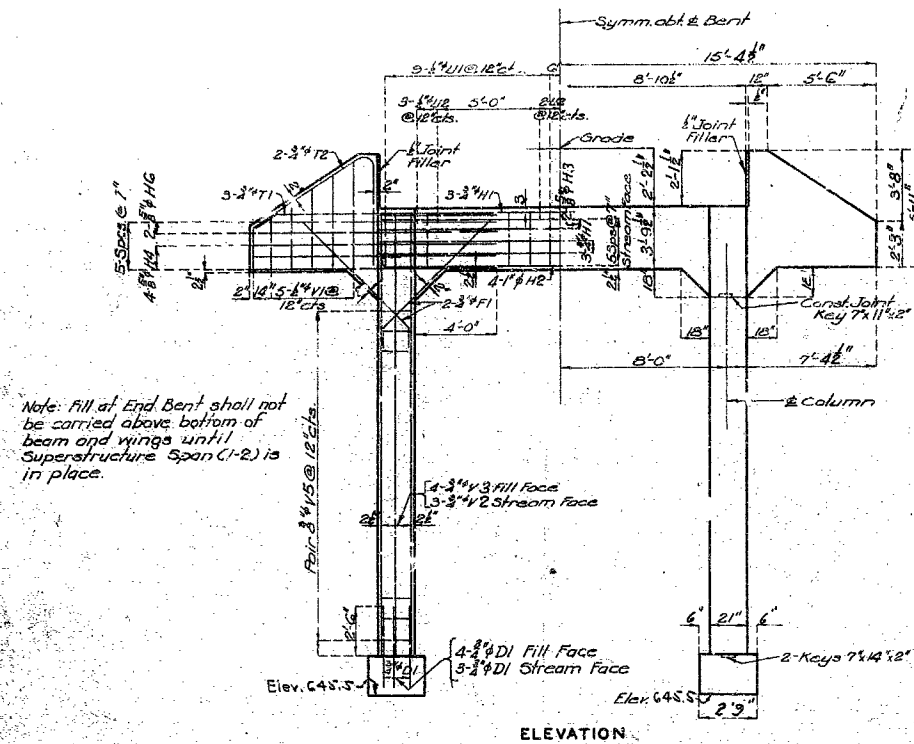
Sheet No. 1A of 4

FINAL PLANS

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	5-938(2)	19		

FINAL PLANS



BRIDGE OVER MYATT CREEK

STATE ROAD FROM LANTON EAST TO OREGON CO. LINE
ABOUT 12.3 MILES W. OF THAYER
PROJECT NO. 5-938(2) SEC. A (50) STA. 193+42

HOWELL

COUNTY

FINISHED

FINISHED

FINISHED

P-58

Drawn Nov. 1950 by W.L.W.
Traced Nov. 1950 by M.E.L.
Checked Feb. 1951 by C.S.P.

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

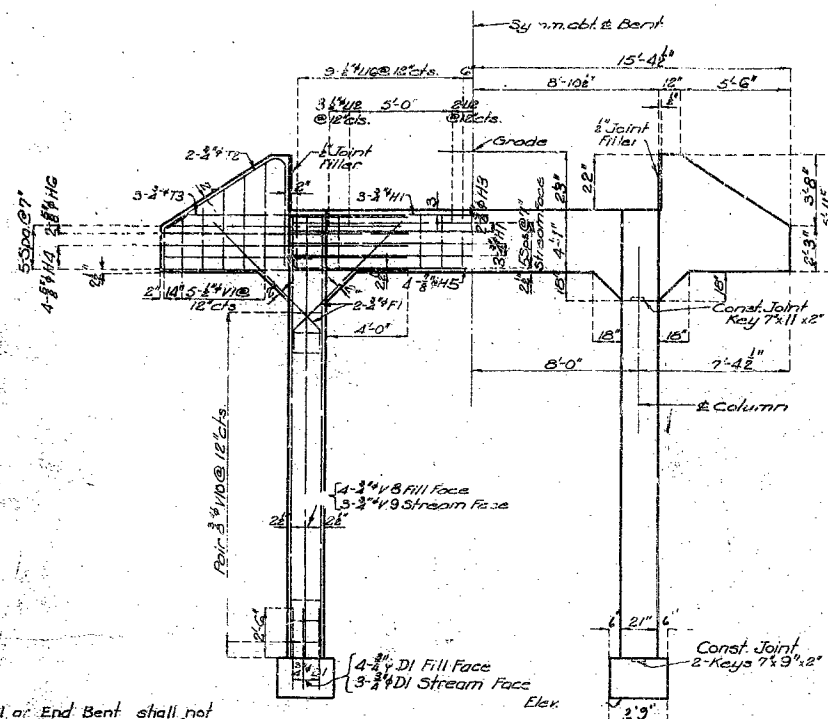
Sheet No. 2A of 4

FINAL PLANS

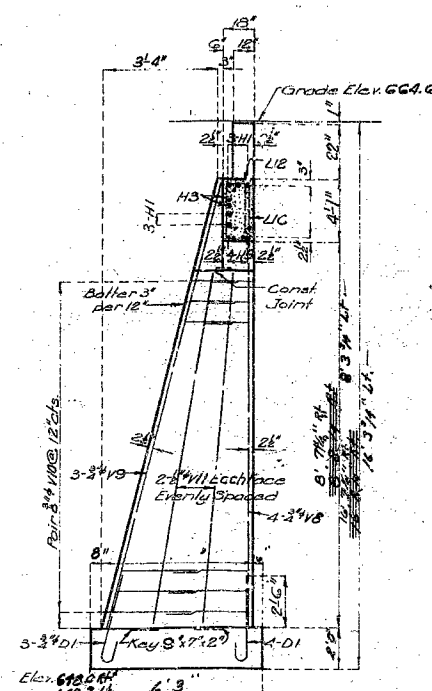
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	9-732 (2) 5-1162	19		

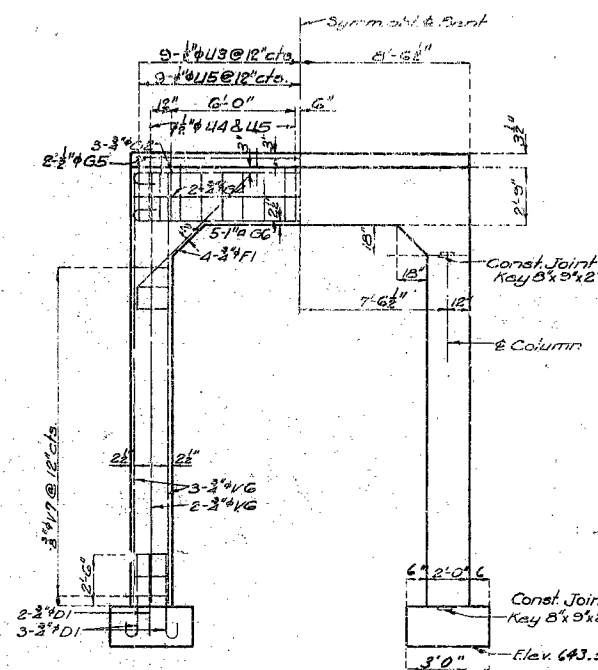
FINAL PLANS



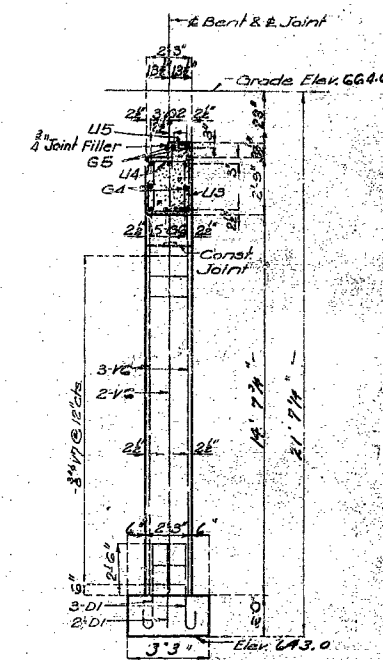
ELEVATION



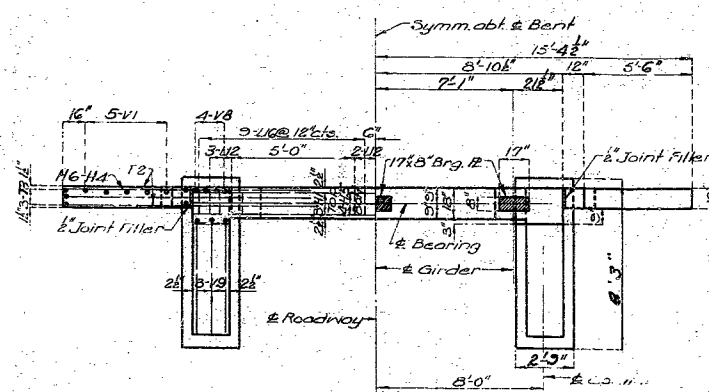
SECTION AT 5



ELEVATION

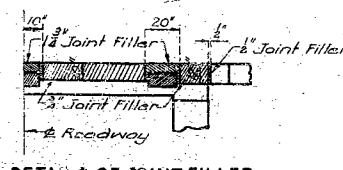


SECTION AT 3

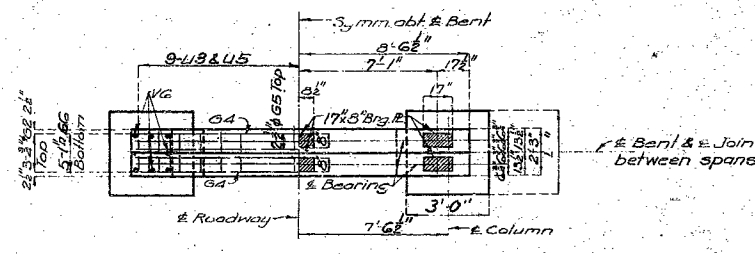


PLAN

DETAILS OF END BENT NO. 5



DETAILS OF JOINT FILLER AT END BENTS



PLAN

DETAILS OF INTERMEDIATE BENT NO. 3

BRIDGE OVER MYATT CREEK

STATE ROAD FROM LANTON EAST TO OREGON CO. LINE
ABOUT 12.3 MILES W. OF THAYER
PROJECT NO. 5-936 (2) SEC. A (50) STA. 193+42

HOWELL COUNTY

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FINAL PLANS

Drawn Nov. 1950 by W.L.W.
Traced Nov. 1950 by M.E.L.
Checked Feb. 1951 by C.S.A.

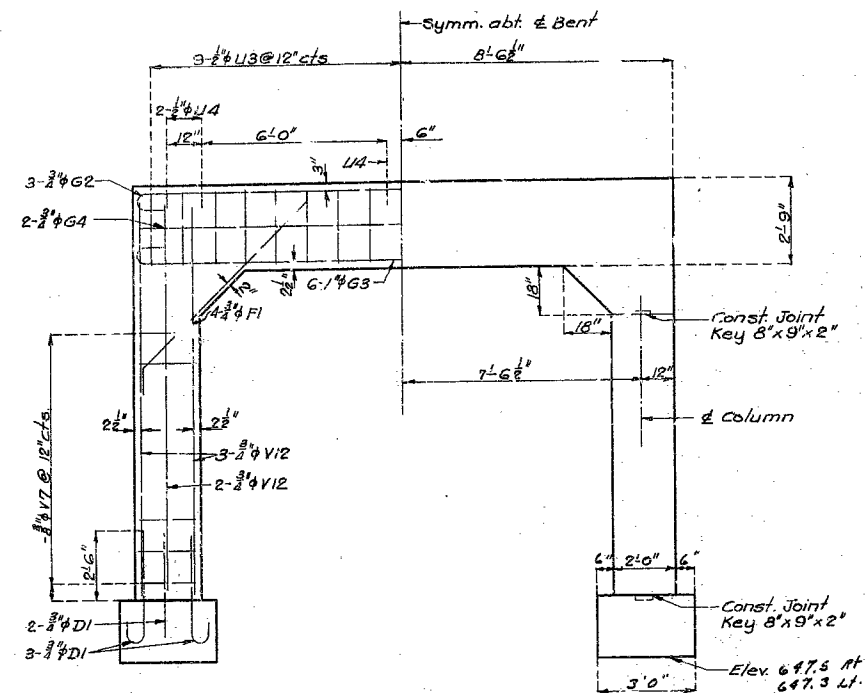
Notes: This drawing is not to scale. Follow dimensions.

Sheet No. 3A of 4

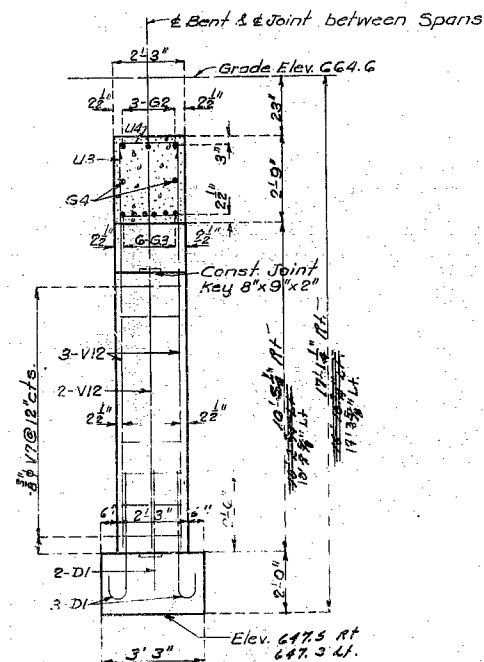
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	S-938(2) Sec. A(50)	19		

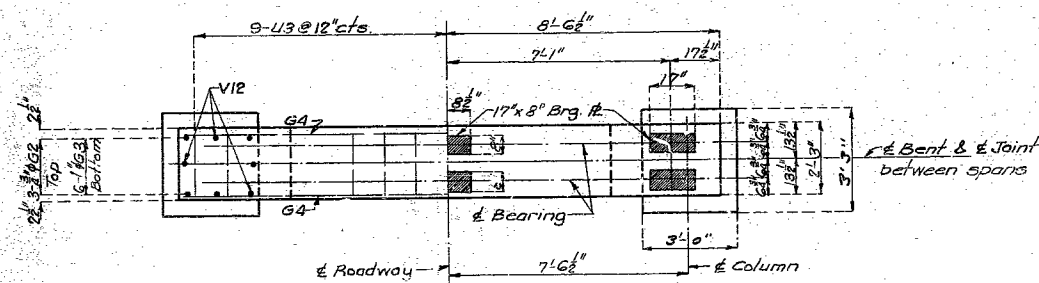
FINAL PLANS



ELEVATION



SECTION AT E



PLAN

DETAILS OF INTERMEDIATE BENT NO. 4.

115

Drawn Nov. 1950 by W.L.W.
Traced Dec. 1950 by M.E.L.
Checked Feb. 1951 by C.S.A.

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

Sheet No. G.A of 4

BRIDGE OVER MYATT CREEK

STATE ROAD FROM LANTON EAST TO OREGON CO. LINE
ABOUT 12.3 MILES W. OF THAYER
PROJECT NO. S-938(2) SEC. A (50) STA. 193+42

HOWELL

COUNTY

FINISHED

FINISHED

FINISHED

P-58

FINAL PLANS