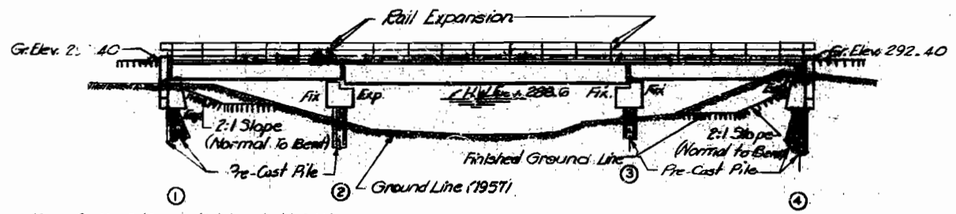
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	12	

33'-51'-33' I-Beam Spans



Note: Excavation of all existing material under bridge shall be made to not less than 3'-0" below bottom of steel and not less than 4'-0" outside of curb lines. Payment for this excavation outside the limits of excavation for substructure will be made at unit contract price for Roadway Excavation.

GENERAL ELEVATION

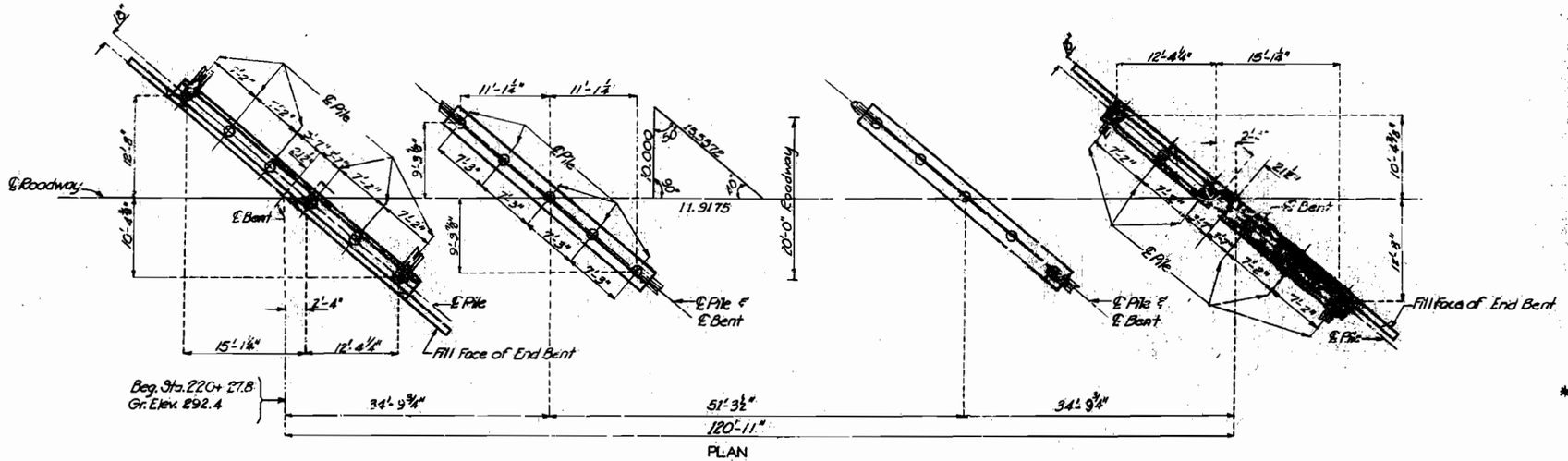
Note: All piling shall be reinforced concrete and shall conform with details and notes on Standard P-3R1. Estimated quantities shown on plans are based on the following lengths: 12 @ 25'-0" and 9 @ 30'-0". These lengths are approximate only. Proper lengths to give required bearing and/or penetration will be authorized by the Engineer.

All piling shall be driven to sustain a load of at least 16 ton per pile and with tips to at least Elev. 268.0 for Bents No. 1 & 4, and a load of at least 19 ton per pile and with tips to at least Elev. 263.0 for Bents No. 2 & 3.

One concrete test pile shall be driven in permanent position for Bt. No. 2.

All piles shall be driven with a steam hammer.

Concrete for precast piles shall be Class "A" with ¾" aggregate. See Standard Specifications Section 514.2.A.(5).



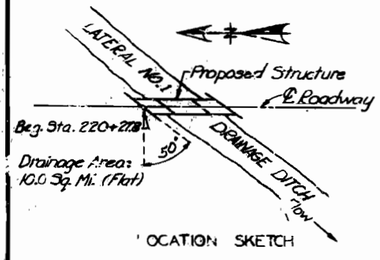
PLAN

GENERAL NOTES:

Design Specifications: A.A.S.H.O.–1953
Loading: H10-44
Structural Steel Stress: 18,000 #/□".
Reinforcing Steel Stress: 18,000 #/□".
Concrete Class "B" Stress 1,000 #/□".
All concrete shall be Class "B", except for piling.
Rivets ¾" ø; holes ⅞" ø, except where otherwise noted.
Paint: Shop, none; Field, contact surfaces of bolted field connections, one coat of red lead and surfaces inaccessable after erection three coats of red lead. No other paint to be applied by Contractor. Red lead required shall be furnished by Contractor. Payment for cleaning and painting such surfaces will be included in unit price bid for Fabricated Structural Steel.

Field connections shall be riveted except as noted in handrail details or, if the Contractor desires to eliminate all field riveting on this project, he may use machine bolts except for the ⅞" rivet head bolts specified for handrail. Heads and nuts of machine bolts shall be American Standard Regular.

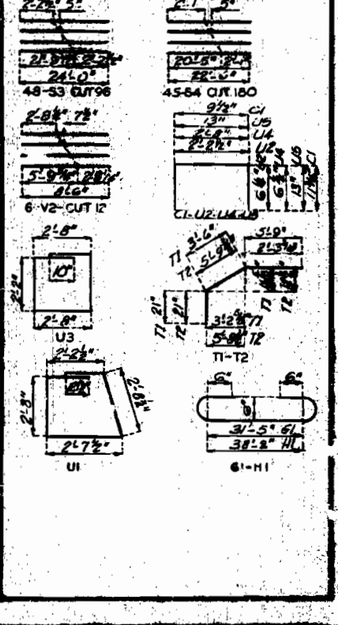
Where joint filler is specified on the plans it shall conform with the requirements for Premoulded Material for Filler as given in Section 59-22.D of the Standard Specifications.



LOCATION SKETCH

COMPLETE BILL OF REINFORCING STEEL

No.	Size	Length	Mark	Location	Bending Sketches & Cutting Diagrams
		Superstructure			
182	#5	21'-9"	C1	Curb	
6	#6	34'-9"	C2	"	
6	#6	33'-0"	C3	"	
12	#6	26'-3"	C4	"	
186	#4	22'-0"	S1	Slab	
186	#4	17'-9"	S2	"	
96	#4	24'-0"	S3	"	
180	#4	23'-6"	S4	"	
6	#4	34'-3"	S5	"	
64	#4	26'-0"	S6	"	
		End Bents No. 1 & 4			
16	#6	40'-0"	H1	Beam	
4	#6	38'-6"	H2	"	
4	#6	38'-4"	H3	Wingwall	
12	#6	10'-0"	H4	Wingwall	
8	#6	11'-0"	T1	Wingwall	
8	#6	10'-9"	T2	"	
78	#4	11'-8"	U1	Beam	
16	#4	3'-3"	U2	"	
144	#5	3'-3"	V1	Wingwall	
12	#4	8'-6"	V2	"	
4	#4	5'-9"	V3	"	
		Int. Bents No. 2 & 3			
16	#6	34'-0"	G1	Beam	
4	#6	32'-0"	G2	"	
4	#4	22'-0"	G3	"	
144	#4	10'-6"	U3	"	
48	#4	3'-8"	U4	"	
288	#4	3'-3"	U5	"	



ESTIMATED QUANTITIES

Item	Unit	Sub-Str.	Super-Str.	Total
Class 1 Excavation for Structures	Cu. Yds.	10		10
Class "B" Concrete	Cu. Yds.	53.5	58.8	112.3
Fabricated Structural Steel	Lbs.		4[illegible]	4[illegible]
Reinforcing Steel	Lbs.	4840	6[illegible]	11[illegible]
Gray Iron Alkyd Coatings	Lbs.		290	290
Precast Concrete Piles in Place	Lin. Ft.	507		507
Precast Concrete Pile Cut-Offs	Lin. Ft.	63		63
Concrete Test Pile	Lin. Ft.	40		40

* Note: All excavation for bridge will be paid for as Class 1 Excavation for Structures.

* Final pay weight for Fabricated Structural Steel will be based on using field rivets except for bolted connections specified for handrail.

B.M. #13. Elev. 291.16 N.I.E.S. 6" Elm, 46' Rt. Sta. 220+56.

BRIDGE OVER LATERAL NO. 1 DRAINAGE DITCH

STATE ROAD FROM ROUTE 53 WEST OF MALDEN NORTH
ABOUT 4.0 MILES N.W. OF MALDEN
PROJECT NO. S-1780 (1) (SMM) **STA.** 220+27.8

DUNKLIN **COUNTY**

SUBMITTED BY J. A. Williams DATE 5-6-1958
APPROVED BY Bert M. Whitton DATE 5-6-1958
Chief Engineer

STD. P-3 R1
STD. C-1 10 R5
N-626

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Drawn Apr. 1958 by J.M.G.
Checked Apr. 1958 by W.E.N.

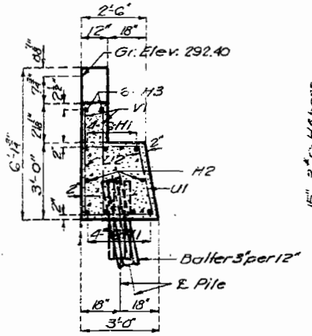
Note: This drawing is not to scale. Follow dimensions.

Sheet No. 1 of 4.

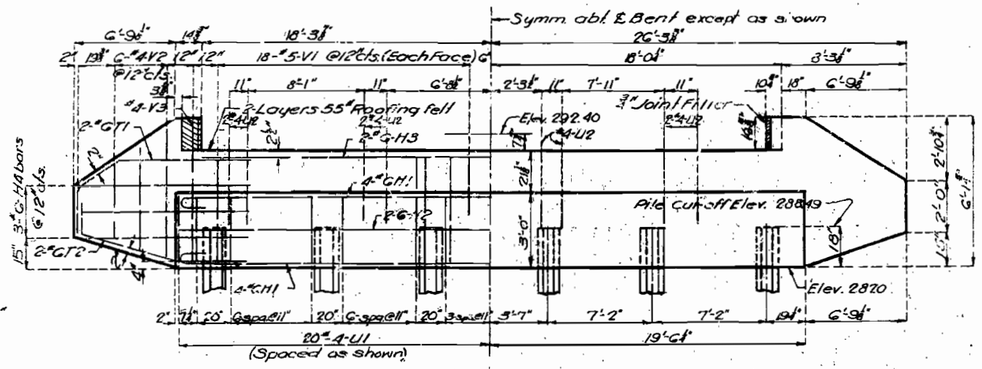
SEE FINAL PLANS BROWN-LINES

MISSOURI STATE HIGHWAY DEPARTMENT

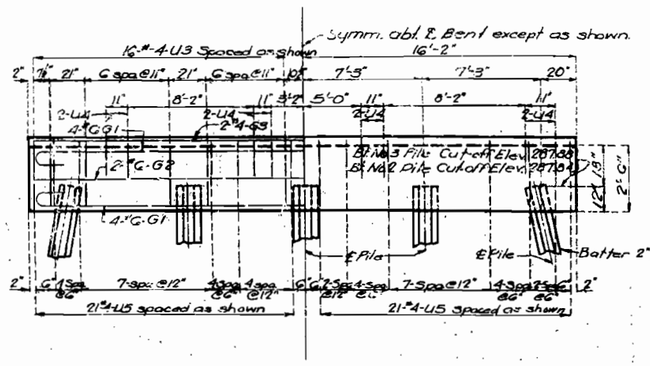
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO		19	13	



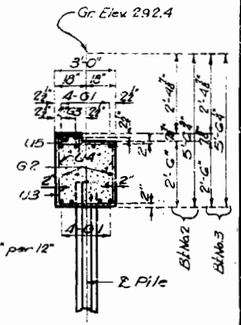
SECTION NEAR ℄



ELEVATION



ELEVATION



SECTION NEAR ℄

PLAN

DETAILS OF END BENTS NO. 1 & 4

PLAN

DETAILS OF INTERMEDIATE BENTS NO. 2 & 3

DETAIL "A"

DETAIL "B"

BRIDGE OVER LATERAL NO.1 DRAINAGE DITCH

STATE ROAD FROM ROUTE 53 WEST & MALDEN NORTH
ABOUT 4.0 MILES N.W. OF MALDEN.
PROJECT NO. S-1780(1) (SMM) STA. 220+27.8

DUNKLIN COUNTY

N-626

Assembled March 1958 by H.G.B. & B.E.G
Checked April 1958 by W.E.N

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

Sheet No. 2 of 4.

NO CONSTRUCTION CHANGES

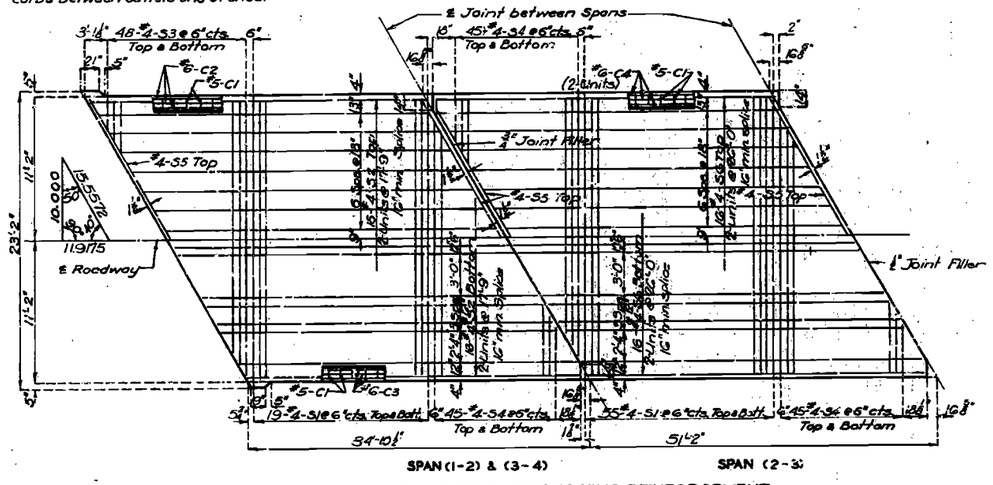
Skewed I-Bm. Con.. Cap Type End & Int Bts. on Piles Aug. 57

14 6'

MISSOURI STATE HIGHWAY DEPARTMENT

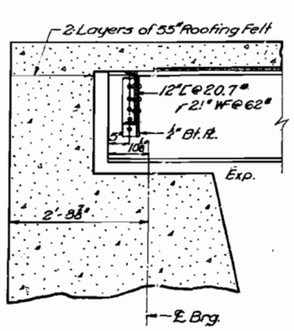
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	MO.		19	14	

Note: Space dowel bars C1 at approximately 12" centers in curbs between outlets and at ends.

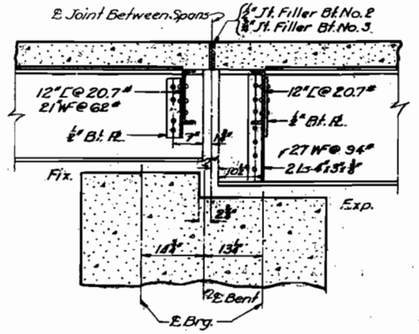


MISSOURI STATE HIGHWAY DEPARTMENT

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

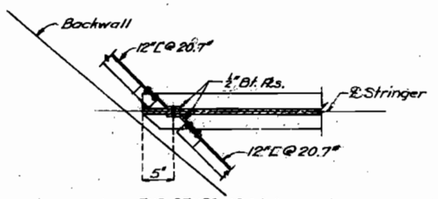


END BENTS NO. 1 & 4

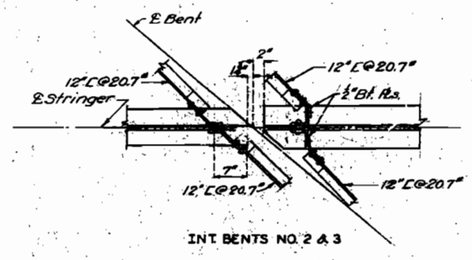


INT. BENTS NO. 2 & 3

PART LONGITUDINAL SECTION NEAR ℄

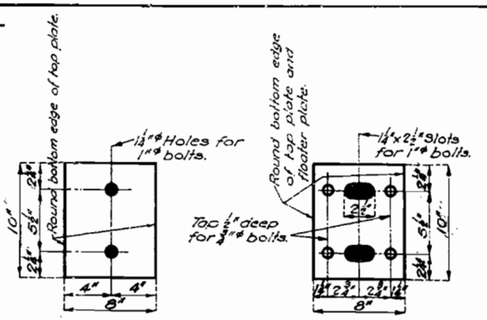


END BENTS NO. 1 & 4

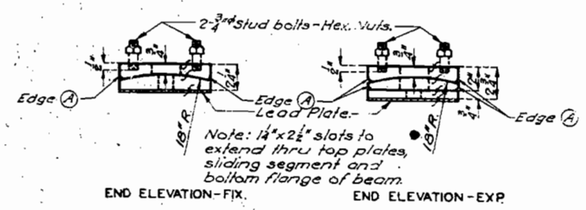


INT. BENTS NO. 2 & 3

TYPICAL CONNECTION FOR END CHANNEL SEPARATORS

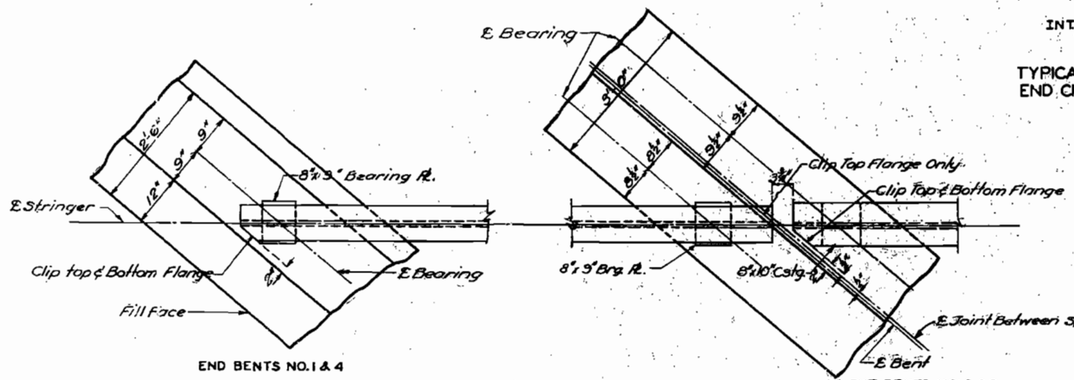


BOTTOM PLATES TOP PLATES



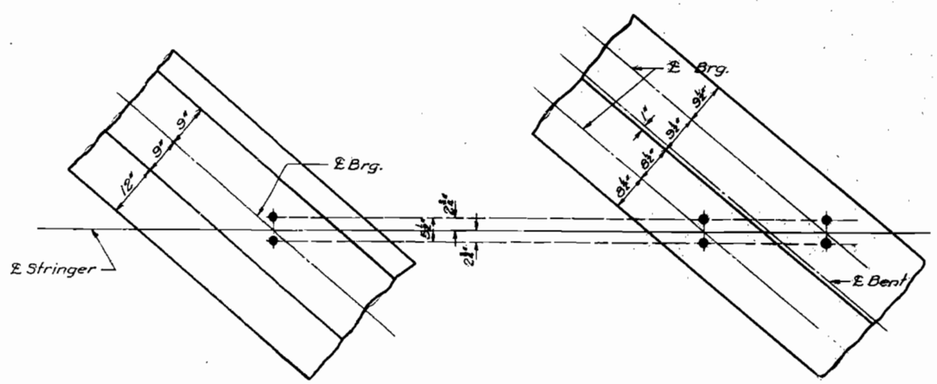
END ELEVATION-FIX. END ELEVATION-EXP.

Required: 4 Sets 8"x10" Each set consists of 5 plates each.



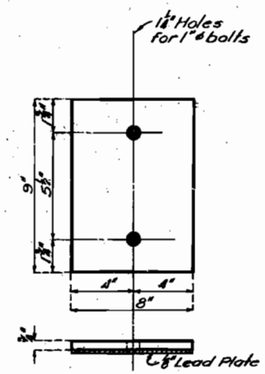
END BENTS NO. 1 & 4 INT. BENTS NO. 2 & 3

PART PLAN OF STRINGERS



END BENTS NO. 1 & 4 INT. BENTS NO. 2 & 3

PART ANCHOR BOLT PLAN



16 Required- Spans (1-2) & (3-4)

DETAILS OF STRUCTURAL STEEL PLATES

Note: Bearing plates to be straightened to plane surfaces.
Lead plates under bearings shall be approximately ½" thickness and weigh 8#/sq. ft.
Cost of lead plates shall be included in price bid for other items.
Anchor bolts shall be 1"ø swedged bolts, no head, Hex. nuts, and shall extend 10" into concrete.
Bottom flange of beam to have 1⅛"ø holes at fixed end and 1⅛"x2½" slots at expansion end.
Material: Structural Steel, A7.

GENERAL NOTES:

Finish all surfaces marked X.
Bearing castings shall be either Gray Iron Alloy or cast steel.
Payment will be made as Gray Iron Alloy.
If bolts and nuts will be paid for as Fabricated Structural Steel.
Anchor bolts shall be 1"ø swedged bolts no heads or nuts and extend 10" into concrete. Top ends of anchor bolts shall be above the top of casting, but not higher than ¼" below the top surface of the bottom flange of beam.
All lead plates shall be approximately ½" thick and weigh 8#/sq. ft. Cost of lead plates shall be included in unit price bid for other items.
Edge Ⓐ to be rounded (¼" to ⅜" radius)

BRIDGE OVER LATERAL NO. 1 DRAINAGE DITCH

STATE ROAD FROM ROUTE 53 WEST OF MALDEN NORTH
ABOUT 4.0 MILES N.W. OF MALDEN
PROJECT NO. S-1790(1) (SMM) STA. 220+27.8

DUNKLIN COUNTY

ENGINEER

N-626

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Assembled Feb. 1958 by H.G.B. & J.H.K.
Checked Apr. 1958 by W.E.N.

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

Sheet No. 4 of 4.

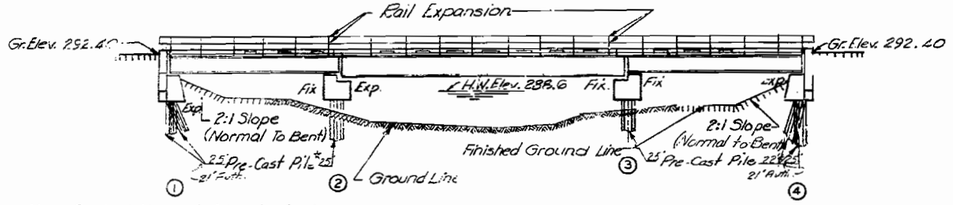
NO CONSTRUCTION CHANGES

MISSOURI STATE HIGHWAY DEPARTMENT

FINAL PLANS

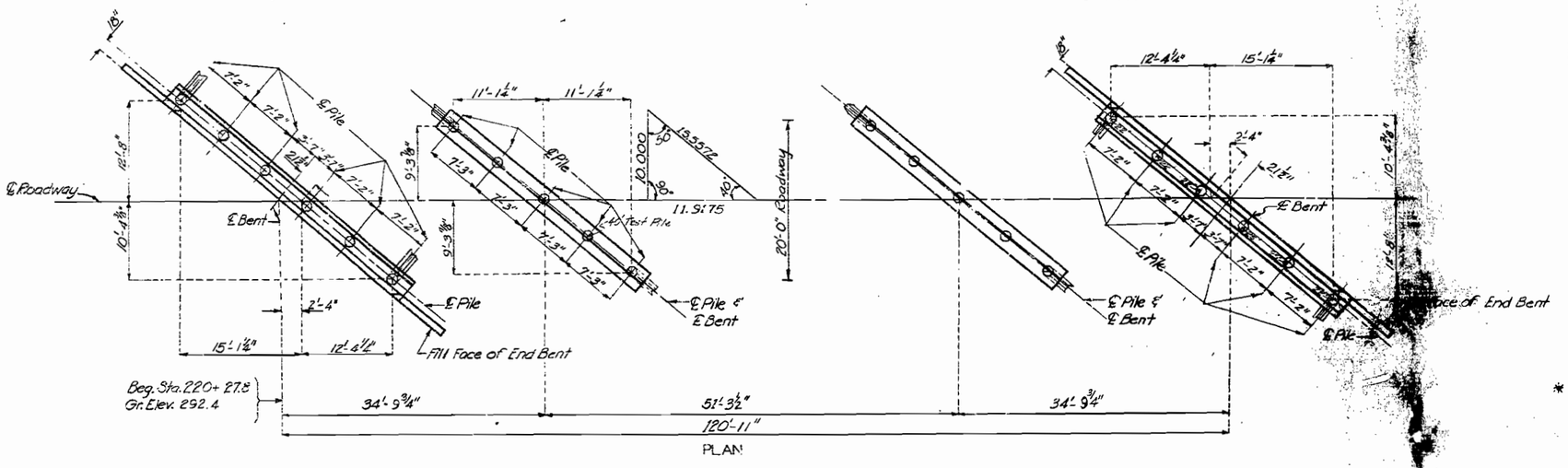
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	NO.		19	10	

33'-51'-33' I-Beam Spans



GENERAL ELEVATION

Note: Excavation of all existing material under bridge W.C.S. made to not less than 3'-0" below bottom of steel and not less than 4'-0" outside of curb lines. Payment for this excavation outside the limits of excavation for substructure was made at unit contract price for Roadway Excavation.



PLAN

Standard Octagonal

Note: All piling are ↓ reinforced concrete and did conform with details and notes on Standard P.3.R.I. Quantities shown on plans are based on the following lengths: 12 @ 21'-0" and 9 @ 25'-0"

These lengths to give required bearing and penetration were authorized by the Engineer.

All piling were driven to sustain a load of at least 16 ton per pile and with tips to at least Elev. 268.0 for Bents No. 1 & 4, and a load of at least 19 ton per pile and with tips to at least Elev. 263.0 for Bents No. 2 & 3.

One concrete test pile was driven in permanent position for Bt. No. 2.

All piles were driven with a steam hammer.

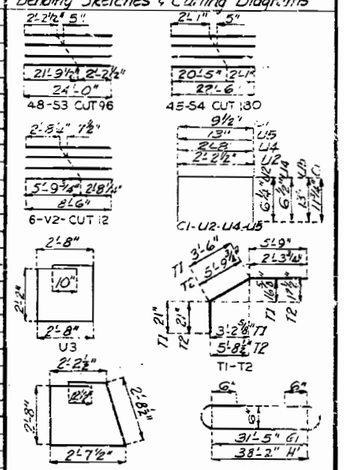
Concrete for precast piles was: Class "A" with ¾" aggregate. See Standard Specifications Section 6H2.A(5).

* Includes 40' Test Pile

COMPLETE BILL OF REINFORCING STEEL

No.	Size	Length	Mark	Location
Superstructure				
182	#5	2'-8"	C1	Curb
6	#6	34'-9"	C2	"
6	#6	33'-0"	C3	"
12	#6	26'-3"	C4	"
106	#4	22'-0"	S1	Slab
128	#4	17'-9"	S2	"
96	#4	24'-0"	S3	"
180	#4	23'-6"	S4	"
6	#4	34'-3"	S5	"
64	#4	26'-0"	S6	"
End Bents No. 1 & 4				
16	#6	40'-2"	H1	Beam
4	#6	38'-6"	H2	"
4	#6	58'-6"	H3	Bkwall
12	#6	10'-0"	W4	Wing
8	#6	11'-0"	T1	Wing
8	#6	10'-9"	T2	"
78	#4	11'-3"	U1	Beam
16	#4	3'-3"	U2	"
144	#5	3'-3"	V1	Bkwall
12	#4	2'-6"	V2	"
4	#4	5'-9"	V3	"
Int. Bents No. 2 & 3				
16	#6	34'-0"	G1	Beam
4	#6	32'-0"	G2	"
4	#4	32'-0"	G3	"
64	#4	10'-6"	U3	"
16	#4	3'-9"	U4	"
64	#4	3'-3"	U5	"

Bending Sketches & Cutting Diagrams



FINAL QUANTITIES

Item		Substr.	Suprstr.	Total
Class 1 Excavation for Structures	Cu. Yds.	79.5		79.5
Class "B" Concrete	Cu. Yds.	53.5 *	58.8 *	112.3
Fabricated Structural Steel	Lbs.		48,620	48,620
Reinforcing Steel	Lbs.	4840	11,350	16,190
Gray Iron Alloy Castings	Lbs.		430	430
Precast Concrete Piles in Place	Lin. Ft.	477		477
Precast Concrete Pile Cut-Offs	Lin. Ft.	0		0
Concrete Test Pile	Lin. Ft.	40		40

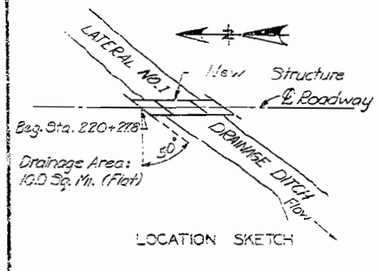
Note: All excavation for bridge was paid for as Class 1 Excavation for Structures.

* Final pay weight for Fabricated Structural Steel was based on using field rivets except for bolted connections specified for handrail.

GENERAL NOTES:

Design Specifications: A.A.S.H.O.—1953
Loading: H10-44
Structural Steel Stress: 18,000 #/□".
Reinforcing Steel Stress: 18,000 #/□".
Concrete Class "B" Stress 1,000 #/□".
All concrete was Class "B", except for piling.
Rivets ¾" ø; holes 13/16" ø, except where otherwise noted.
Paint: Shop, none; Field, contact surfaces of bolted field connections, one coat of red lead and surfaces inaccessible after erection three coats of red lead. No other paint was applied by Contractor. Red lead required was furnished by Contractor. Payment for cleaning and painting such surfaces was included in unit price bid for Fabricated Structural Steel.
Field connections were machine bolts except for the ⅞" rivet head bolts specified for handrail. Heads and nuts of machine bolts were American Standard Regular.

Where joint filler is specified on the plans it did conform with the requirements for Premould Material for Filler as given in Section 59-22.D of the Standard Specifications.



LOCATION SKETCH

B.M. Elev. 293.14
Bolt in S.W. Cor. Wing Wall S.W. Cor. Bridge 12' Rt. Sta. 221+58

BRIDGE OVER LATERAL NO. 1 DRAINAGE DITCH

STATE ROAD FROM ROUTE 53 WEST OF MALDEN NORTH
ABOUT 4.0 MILES N.W. OF MALDEN
PROJECT NO. S-1780 (1) (SMM) STA. 220+27.8

DUNKLIN **COUNTY**

UNISIGNED

SUBMITTED BY J. A. Williams BRIDGE ENGINEER DATE 5-6-1958
APPROVED BY Geo. M. Hatton CHIEF ENGINEER DATE 5-6-1958

STD. P-3 R1
STD. C-10 R5
N-626

Drawn Mar. 1958 by J.M.G.
Checked Apr. 1958 by W.E.N.

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

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FINAL PLANS

Missouri Department of Transportation
State Bridge Inspection Report

September 22, 2025
9:21:42AM

COUNTY: DUNKLIN **DISTRICT: SE** **CLASS: STATBR** **FED-ID: 7128** **BRIDGE: N0626**

GENERAL STRUCTURE INFORMATION

ROUTE: RTMMS	**# SPANS:** 3	**PLACE CODE:** 74608 UNION	
FEATURE: LATERAL DTCH NO 1	**LANES ON:** 1	**LENGTH:** 121 FT 0 IN	
STATUS: P-POSTLOAD	**LANES UNDER:** 0	**MAXIMUM SPAN:** 51 FT 4 IN	
LOG MILE: 6.205	**COMPASS DIRECTION:** NORTH to SOUTH	**APPROACH ROADWAY:** 20 FT 0 IN	
DETOUR: 20.00 MILES	**DIRECTION OF TRAFFIC:** 1-LN/2-WAY	**CURB TO CURB:** 20 FT 0 IN	
NHS: NO	**FUNCTIONAL CLASS:** RL-MAJOR COLLECTOR	**OUT TO OUT:** 22 FT 4 IN	
BUILT: 1958	**NBI OWNER:** MODOT	**AADT:** 651	
REHAB:	**NBI MAINTAINED:** MODOT	**AADT YEAR:** 2024	
LOCATION: S 7 T 22 R 9 E	**MAINTENANCE DISTRICT:** SE	**AADT TRUCK:** 11.0%	
LATITUDE: 36 34 11.26 (DMS)	**MAINTENANCE COUNTY:** DUNKLIN	**FUTURE AADT:** 911	
LONGITUDE: 90 1 46.56 (DMS)	**SUB AREA:** 7H28	**FUTURE AADT YEAR:** 2044	

BRIDGE INSPECTION INFORMATION

DATE: 11/05/2024 **RESPONSIBILITY:** DISTRICT
FREQUENCY: 24 **CALCULATED INTERVAL**:** 24
TEAM LEADER: JESSE ELSEMAN **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

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 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.

INDEPTH INSPECTION COMMENTS

SPECIAL INSPECTION INFORMATION

DATE: 03/05/2019 **RESPONSIBILITY:** BRIDGEDIV **CATEGORY:** QUALITY ASSURANCE
FREQUENCY: 999 **CALCULATED INTERVAL**:** **NBI:** NO
TEAM LEADER: TERRY L SHUNAMON **INSPECTOR 3:** **METHOD:**
INSPECTOR 2: **INSPECTOR 4:**

** When calculated interval exceeds the frequency, a justification comment per BIRM is required.

SPECIAL INSPECTION COMMENTS

(SHUNAT1, 03/07/2019)--USING THE FIELD VERIFICATION MODEL (FVM) - AS A THIRD PARTY INSPECTOR, I TOOK THE PREVIOUS INSP REPORT INTO THE FIELD AND VERIFIED THOROUGHNESS OF REPORT WITH ASSIGNED CONDITION AND APPRAISAL RATINGS

UNDERWATER INSPECTION INFORMATION

DATE: 11/05/2024 **RESPONSIBILITY:** DISTRICT **CATEGORY:** DRY
FREQUENCY: 60 **CALCULATED INTERVAL**:** 24 **NBI:** NO
TEAM LEADER: JESSE ELSEMAN **INSPECTOR 3:** **METHOD:** VISUAL
INSPECTOR 2: **INSPECTOR 4:**

** When calculated interval exceeds the frequency, a justification comment per BIRM is required.

UNDERWATER INSPECTION COMMENTS

OTHER SPECIAL INSPECTIONS

DATE	FREQUENCY	CATEGORY	NBI	CALCULATED INTERVAL	RESPONSIBILITY	METHOD
05/29/2014	120	CHANNEL CROSS SECTIONS	NO		DISTRICT	WT TAPE

OTHER UNDERWATER INSPECTIONS

DATE	FREQUENCY	CATEGORY	NBI	CALCULATED INTERVAL	RESPONSIBILITY	METHOD

COUNTY: DUNKLIN **DISTRICT: SE** **CLASS: STATBR** **FED-ID: 7128** **BRIDGE: N0626**

STRUCTURE POSTING

APPROVED CATEGORY: S-5 CENTERLINE OF BRIDGE AND TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.
Ton 1: 17 **Ton 2:** **Ton 3:**
COMMENTS:

FIELD CATEGORY: S-5 CENTERLINE OF BRIDGE AND TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.
Ton 1: 17 **Ton 2:** **Ton 3:** **PROBLEM:** **PROBLEM DIRECTION:**
COMMENTS:

GENERAL COMMENTS/MAJOR RATED ITEMS

GENERAL COMMENTS: (BOWDEJ1, 09/05/2008)--(34'-51'-34') SMP WF GDR SPANS

[ITEM 58] DECK: 5-FAIR CONDITION
RATING : 03/07/2019
COMMENTS: (DENNIB1, 12/01/2014)--T-CRACKS & SATURATION
(SHUNAT1, 03/07/2019)--35% SATURATION IN SPANS 1 & 2

[ITEM 59] SUPER: 5-FAIR CONDITION
RATING : 03/07/2019
COMMENTS: (DENNIB1, 12/01/2014)--RUSTING AT JOINTS
(SHUNAT1, 03/07/2019)--INITIAL SECTION LOSS @ BEAM ENDS OVER BEARINGS IN TOP AND BOTTOM FLANGES.

[ITEM 60] SUB: 6-SATISFACTORY CONDITION
RATING : 11/07/2018
COMMENTS: (DENNIB1, 11/07/2018)--SPALLS W/ EXPOSED REBAR

[ITEM 61] BANK/CHANNEL: 6-WIDESPREAD MINOR DAMAGE
RATING : 03/07/2019
COMMENTS: (SHUNAT1, 03/07/2019)--MINOR DAMAGE OVER WIDE AREA

[ITEM 113] SCOUR: 8-STABLE FOR CALCULATED
RATING : 05/18/2001
EVALUATION TYPE :
COMMENTS: (SHUNAT1, 03/07/2019)--LOCAL SCOUR HOLE NEAR BENT 3 MONITOR AFTER HIGH WATER EVENTS

[ITEM 71] WATERWAY ADEQUACY: DECK ABOVE FLOOD ELEV
RATING : 05/18/2001
COMMENTS:

[ITEM 72] APPRRDWY ALIGNMENT: 8-VERYGOOD
RATING : 05/18/2001
COMMENTS:

RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS

[ITEM 36A] BRIDGE RAILING RATING: *DOESNT MEET CURRNT STND-0* ***RATING :*** *11/21/2012* ***COMMENTS:***

MATERIAL	CONSTRUCTION	DIRECTION	COMMENTS
REINFORCED CONCRETE	CURB	BOTH	
STEEL	ANGLE-DOUBLE	BOTH	

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	COMMENT
COLLISION DAMAGE	END BENT		MINOR	

[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:***

[ITEM 36D] RAIL END TREATMENT RATING: *NOT PROVIDED-0* ***RATING :*** *05/18/2001* ***COMMENTS:***

COUNTY: DUNKLIN **DISTRICT: SE** **CLASS: STATBR** **FED-ID: 7128** **BRIDGE: N0626**

APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.

MATERIAL	CONSTRUCTION	DIRECTION	CONDITION*	COMMENTS
ASPHALT	BITUMINOUS MAT	BOTH		

DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS

DECK PROTECTIVE COMPONENTS:

SERIES TYPE-#	COMPONENT	MATERIAL	CONSTRUCTION	THICKNESS	YEAR APPLIED	MANUFACTURE	OVERALL CONDITION
MAIN SERIES-1	*WEARING SURFACE*	*ASPHALT*	*BITUMINOUS MAT*	*1 IN*	*2022*		*FAIR*

COMMENT:

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	COMMENT
PATCHES	DRIVING SURFACE		MANY	(SHUNAT1, 03/07/2019)--WITH FEW POPOUTS

DECK PROTECTION	*NOTAPPLICABLE*	*NONE*

COMMENT:

MEMBRANE	*NOTAPPLICABLE*	*NONE*

COMMENT:

DRAINAGE COMPONENTS:

COMPONENT	MATERIAL	CONSTRUCTION	DIRECTION	COMMENTS
DRAINAGE	*REINFORCED CONCRETE*	*CURB OUTLET*		

EXPANSION DEVICE COMPONENTS:

SUB UNIT-#	SUB LABEL	COMPONENT	MATERIAL	CONSTRUCTION	GAP	YEAR APPLIED	MANUFACTURE	OVERALL CONDITION

COMMENT:

BANK/SLOPE PROTECTION COMPONENTS:

COMPONENT	MATERIAL	CONSTRUCTION	DIRECTION	COMMENTS
BANK PROTECTION	*EARTH FILL*	*BERM*	*BOTH*	

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	COMMENT
ERODING	THROUGHOUT		MINOR	(SHUNAT1, 03/07/2019)--WITH LOCAL SCOUR HOLE UNDER STRUCTURE

DECK COMPONENTS

SPAN TYPE-#	COMPONENT	MATERIAL	CONSTRUCTION	COMMENTS
MAIN SPANS-1	*DECK*	*REINFORCED CONCRETE*	*CAST-IN-PLACE*	

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DETERIORATION	EDGE		MODERATE		
SATURATION	THROUGHOUT		MINOR	35 %	
SCALING	THROUGHOUT		MODERATE		
SPALLS	BOTTOM		MODERATE		
SPALLS	RANDOM		SMALL		
TRANSVERSE CRACKS	THROUGHOUT		MANY		

MAIN SPANS-2	*DECK*	*REINFORCED CONCRETE*	*CAST-IN-PLACE*

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DETERIORATION	EDGE		MINOR		
FULL DEPTH PATCHES	RANDOM		FEW		
SATURATION	THROUGHOUT		MINOR	35 %	
SCALING	THROUGHOUT		MODERATE		
TRANSVERSE CRACKS	THROUGHOUT		FEW		

MAIN SPANS-3 DECK REINFORCED CONCRETE CAST-IN-PLACE

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DELAMINATION	RANDOM		MINOR		
DETERIORATION	EDGE		MODERATE		
SATURATION	RANDOM		MINOR	30 %	
SCALING	THROUGHOUT		MODERATE		
TRANSVERSE CRACKS	THROUGHOUT		FEW		

SUPERSTRUCTURE COMPONENTS

SERIES TYPE-#	SPAN TYPE	MATERIAL	CONSTRUCTION	LABEL	COMMENTS
MAIN SERIES-1	*SIMPLE SPAN*	*STEEL*	*WIDE FLANGE GIRDERS*		

SPAN	COMPOSITE INDICATOR	LENGTH	WEATHERING STEEL	COMMENTS
MAIN SPANS-1	NON-COMPOSITE	34 FT 10 IN	NO	

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
PACK RUST	BOTTOM FLANGE		MINOR		
RUSTING	AT JOINTS		MINOR		
RUSTING	THROUGHOUT		LIGHT		
RUSTING	TOP FLANGE		MINOR		
SECTION LOSS	ENDS		INITIAL		

MAIN SPANS-2	NON-COMPOSITE	51 FT 4 IN	NO	

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
RUSTING	AT JOINTS		MINOR		
RUSTING	THROUGHOUT		LIGHT		
SECTION LOSS	ENDS		INITIAL		

MAIN SPANS-3	NON-COMPOSITE	34 FT 10 IN	NO	

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
PACK RUST	BOTTOM FLANGE		MINOR		
RUSTING	AT JOINTS		LIGHT		
RUSTING	THROUGHOUT		LIGHT		
RUSTING	TOP FLANGE		MINOR		
SECTION LOSS	ENDS		INITIAL		

SUBSTRUCTURE COMPONENTS

SUBSTRUCTURE	SKEW	LENGTH	MATERIAL	CONSTRUCTION	LABEL	COMMENTS
ABUTMENT-1	*RA-50 DEGREES*	*39 FT 0 IN*	*REINFORCED CONCRETE*	*NON-INTEGRAL*		

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT

ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
HIGH STEEL SPALLS	RANDOM		FEW		

PILING	REINFORCED CONCRETE	PRE-CAST

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
STRAIGHT WINGS	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	**LOCATION 1**	**LOCATION 2**	**SEVERITY**	**MEASUREMENT**	**COMMENT**
BACKWALL	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	**LOCATION 1**	**LOCATION 2**	**SEVERITY**	**MEASUREMENT**	**COMMENT**
EXPANSION BEARING	STEEL	SLIDING FLAT PLATE			
CONDITION	**LOCATION 1**	**LOCATION 2**	**SEVERITY**	**MEASUREMENT**	**COMMENT**
RUSTING	THROUGHOUT		MINOR		

BENT-2 RA-50 DEGREES 32 FT 4 IN REINFORCED CONCRETE PILE CAP

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	**MATERIAL**	**CONSTRUCTION**			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	**LOCATION 1**	**LOCATION 2**	**SEVERITY**	**MEASUREMENT**	**COMMENT**
PILING	REINFORCED CONCRETE	PRE-CAST			
CONDITION	**LOCATION 1**	**LOCATION 2**	**SEVERITY**	**MEASUREMENT**	**COMMENT**
FIXED BEARING	STEEL	CURVED PLATE(ROTATING			
CONDITION	**LOCATION 1**	**LOCATION 2**	**SEVERITY**	**MEASUREMENT**	**COMMENT**
RUSTING	THROUGHOUT		MINOR		

BENT-3 RA-50 DEGREES 32 FT 4 IN REINFORCED CONCRETE PILE CAP

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	**MATERIAL**	**CONSTRUCTION**			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	**LOCATION 1**	**LOCATION 2**	**SEVERITY**	**MEASUREMENT**	**COMMENT**
DETERIORATION	ENDS		MINOR		
REBAR EXPOSED	THROUGHOUT		MINOR		
SPALLS	THROUGHOUT		MINOR		
PILING	REINFORCED CONCRETE	PRE-CAST			
CONDITION	**LOCATION 1**	**LOCATION 2**	**SEVERITY**	**MEASUREMENT**	**COMMENT**
FIXED BEARING	STEEL	CURVED PLATE(ROTATING			
CONDITION	**LOCATION 1**	**LOCATION 2**	**SEVERITY**	**MEASUREMENT**	**COMMENT**
RUSTING	THROUGHOUT		MINOR		

ABUTMENT-4 RA-50 DEGREES 39 FT 0 IN REINFORCED CONCRETE NON-INTEGRAL

CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	**MATERIAL**	**CONSTRUCTION**			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	**LOCATION 1**	**LOCATION 2**	**SEVERITY**	**MEASUREMENT**	**COMMENT**
PILING	REINFORCED CONCRETE	PRE-CAST			
CONDITION	**LOCATION 1**	**LOCATION 2**	**SEVERITY**	**MEASUREMENT**	**COMMENT**
STRAIGHT WINGS	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	**LOCATION 1**	**LOCATION 2**	**SEVERITY**	**MEASUREMENT**	**COMMENT**
BACKWALL	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	**LOCATION 1**	**LOCATION 2**	**SEVERITY**	**MEASUREMENT**	**COMMENT**
EXPANSION BEARING	STEEL	SLIDING FLAT PLATE			
CONDITION	**LOCATION 1**	**LOCATION 2**	**SEVERITY**	**MEASUREMENT**	**COMMENT**
RUSTING	THROUGHOUT		MINOR		

OVER/UNDER ROUTES CLEARANCE INFORMATION

COUNTY: DUNKLIN **DISTRICT: SE** **CLASS: STATBR** **FED-ID: 7128** **BRIDGE: N0626**

CLEARANCES OVER DECK

**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.

VERTICAL CLEARANCE TYPE**	VALUE	DIRECTION	DATE	COMMENT

CLEARANCES UNDER BRIDGE

**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.

RECORD #	ROUTE	# LANES	DIRECTION OF TRAFFIC	RIGHT LATERAL CLEARANCE	LEFT LATERAL CLEARANCE	UR-ID

VERTICAL CLEARANCE TYPE**	VALUE	DIRECTION	DATE	COMMENT

STRUCTURE PAINT INFORMATION

CONDITION: FAIR **RUST AMOUNT :** 7 = .2% OF SURFACE RUSTED **STEEL TONS :** 25

ORIGINAL PAINT		CONTRACT REPAINT		DEPARTMENT REPAINT	
PAINT TYPE :		PAINT TYPE :		PAINT TYPE :	B SYSTEM
NAME :		NAME :		NAME :	BASIC LEAD CHROMIUM
PAINT COLOR :		PAINT COLOR :		PAINT COLOR :	ALUMINUM
PAINT YEAR :	1960	PAINT YEAR :		PAINT YEAR :	1985
MILS :		MILS :		MILS :	5
				MANUFACTURE :	
				SURFACE PREP :	

REQUESTED WORK ITEMS

GENERAL WORK COMMENTS:

RESPONSIBILITY	LOCATION	ITEM	CATEGORY	PRIORITY	DATE	WORK ITEM COMMENT

UTILITY ATTACHMENTS

UTILITY	OWNER	METHOD	MEASUREMENT TYPE	VALUE	NUMBER	UTILITY ATTACHMENT COMMENT

PROGRAM NOTES INFORMATION

Design_No = N0626

COUNTY: DUNKLIN **DISTRICT: SE** **CLASS: STATBR** **FED-ID: 7128** **BRIDGE: N0626**

YEAR	PROJECT #	MONTH LET	YEAR LET	ITEMS	COMMENT
2027	SE0054	1	2027	REPLACE BRIDGE	

COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS

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.

Rated Item	Rating	Rating Date
[Item 67] Structure Evaluation Rating:	2-BASICALLY INTOLRBLE REQ	7/16/2025
[Item 68] Deck Geometry Rating:	3-BASICALLY INTOL CORRECT	5/18/2001
[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001
Sufficiency Rating:	43.6%	7/16/2025
Deficiency:	STRUCTURAL	7/16/2025
Funding Eligibility:		----
Estimated New Structure Length:		----
Estimated Structure Cost:		----
Estimated Total Project Cost:		----
Year of Cost Estimate:		----

NOTE: The above structure length and cost estimates are computer generated using algorithims in the TMS system. These algorthims 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.

ADVANCED SIGN INFORMATION

SIGN #	SIGN TYPE	PROBLEM	PROBLEM DIRECTION
1	YIELD TO ONCOMING TRAFFIC		
2	B - ONE LANE BRIDGE		

OUTFALL INSPECTION INFORMATION

 # OUTFALLS: **INSPECTOR:**
STATUS: **DATE:**
NOTES:

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

September 22, 2025
9:20:47am

COUNTY : DUNKLIN **BRIDGE :** N0626 **REVIEW STATUS :** APPROVED **NBI STATUS :** T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT **RUN DATE :** 7/16/2025 **SUBMITTAL YEAR :** 2025

GENERAL STRUCTURE INFORMATION

1	State	MISSOURI
2	District	SE
3	County	DUNKLIN
8	Federal ID No.	7128
27	Year Built	1958
106	Year Reconstructed	0
42A	Type of Service On	HIGHWAY
21	Structure Maintenance	STATE HIGHWAY AGENCY
22	Structure Owner	STATE HIGHWAY AGENCY
33	Br. Median Code	NO MEDIAN
37	Historical Significance	NOT ELIGIBLE FOR NR OF HP
101	Parallel Struc Desg	NONE EXISTS
103	Temporary Structure	NOT TEMPORARY
112	NBIS Bridge Length	YES

ROUTE DESIGNATION INFORMATION

5A	Record Type	ROUTE CARRIED 'ON' STRUCT
5B	Route Signing Prefix	MO
5C	Designated Level of Service	MAINLINE
5D	Route Number	000MM
5E	Directional Suffix	NOT APPLICABLE
7	Facility Carried	RT MM S
12	Base Hwy. Network	NO
13A	LRS Inventory Route No.	
13B	Subroute No.	
20	Toll Status	ON FREE ROAD
26	Functional Classification	07-RURAL MAJOR COLLECTOR
28A	Lanes on Structure	01
100	STRAHNET Designation	RTE NOT A DEFENSE HWY
104	National Highway System	NOT ON NHS
105	Federal Lands Highway	NOT APPLICABLE
110	Designated Nat. Network	NO

STRUCTURE LOCATION INFORMATION

4	Place	UNION
	Code	74608
9	Location	S 7 T 22 N R 9 E
11	Milepoint	6.24 miles
16	Latitude	36 D 34 M 11 S
17	Longitude	90 D 1 M 47 S

STRUCTURE TRAFFIC INFORMATION

29	AADT	651
30	AADT Year	2024
102	Direction of Traffic	ONE LANE BRIDGE FOR 2-WAY
109	AADT Truck Percent	11%
114	Future AADT	911
115	Future AADT Year	2044

UNDERRECORD INFORMATION

6	Features Intersected	LATERAL DTCH NO 1
42B	Type of Service Under	WATERWAY
28B	Lanes Under Structure	00
54A	Vert. Clearance Ref.	N/A
54B	Vert. Clearance	0 Ft. 0 In.
55A	Rt. Lat Clear Ref.	N/A
55B	Rt. Lat Clearance	0 Ft. 0 In.
56	Left Lat Clearance	0 Ft. 0 In.
38	Navigation Control	PERMIT NOT REQ
39	Nav Vertical Clear	0 Ft. 0 In.
40	Nav Horizontal Clear	0 Ft. 0 In.
111	Nav. Pier Protection	
116	Nav. Cl. Vert. Clear	

STRUCTURE GEOMETRIC INFORMATION

10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
19	By pass Detour Length	20.00 miles
32	Approach Roadway Width	20 Ft. 0 In.
34	Skew	50.00 Degrees
35	Struct. Flared	NO
47	Total Horiz. Clear	20 Ft. 0 In.
48	Maximum Span Length	51 Ft. 2 In.
49	Structure Length	121 Ft. 1 In.
50A	Left Curb/Sidewalk Width	0 Ft. 0 In.
50B	Right Curb/Sidewalk Width	0 Ft. 0 In.
51	Curb to Curb Br. Width	20 Ft. 0 In.
52	Deck Width (Out-Out)	22 Ft. 4 In.
53	Vert.Clearance Over Deck	99 Ft. 99 In.

Design_No = n0626 and Inventory_Appraisal_Submittal_Year = 2025

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

September 22, 2025
9:20:47am

COUNTY : DUNKLIN **BRIDGE :** N0626 **REVIEW STATUS :** APPROVED **NBI STATUS :** T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT **RUN DATE :** 7/16/2025 **SUBMITTAL YEAR :** 2025

LOAD RATING AND POSTING INFORMATION

31	Design Load	H 10
41	Structure Status	POSTED FOR LOAD
63	Oper. Rating Meth.	ALLOWABLE STRESS
64	Operating Rating	24 Tons.
65	Inventory Rating Meth	ALLOWABLE STRESS
66	Inventory Rating	11 Tons.
70	Bridge Posting Code	20.0-29.9% BELOW

PROPOSED IMPROVEMENT INFORMATION

	Sufficiency Rating	43.6 Percent
	Deficiency Rating	STRUCTURAL
	Funding Eligibility	FULL
75A	Proposed Work	REPLACEMENT SUBSTND LOAD
75B	Work Done By	Contract
76	New Struc Length	150 Ft. 11 In.
94	Struc Improve Cost	$ 876,000
95	Roadway Improve Cost	$ 88,000
96	Total Project Cost	$ 1,313,000
97	Year of Cost Estimates	2025

APPRAISAL RATING INFORMATION

36A	Br. Rail App. Rating	DOES NOT MEET ACCEPT STND
36B	Transition Rail App. Rating	DOES NOT MEET ACCEPT STND
36C	Approach Rail App. Rating	DOES NOT MEET ACCEPT STND
36D	Rail End Treat. App. Rating	DOES NOT MEET ACCEPT STND
67	Struc Eval App. Rating	2
68	Deck Geometry App. Rating	3
69	Underclearance App. Rating	N
71	Waterway Adeq. App. Rating	8
72	Approach Road App. Rating	8
113	Scour Assess App. Rating	8

APPROVED POSTING INFORMATION

Approved Posting Category S-5

Ton1 Ton2 Ton3

Tonnage Values for Posting Sign 17

General Text for Posting Sign

CENTERLINE OF BRIDGE AND TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.

MATERIAL/CONSTRUCTION INFORMATION

43A	Main Struc. Mat type	STEEL
43B	Main struc Constr. Type	STRINGER/MULTIBEAM - GRD
45	# of Main Spans	3
44A	Appr Struc. Mat type	000
44B	Appr Struc. Cnstr. type	000
46	# of Approach Span	0
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

CONDITION RATING INFORMATION

58	Deck Cond. Rating	5
59	Superstructure Cond. Rating	5
60	Substructure Cond. Rating	6
61	Channel /Channel Protection Cond. Rating	6
62	Culvert Cond. Rating	N

INSPECTION INFORMATION

90	Gen. Insp Date	11 / 24	
91	Gen. Insp. Frequency	24	Months
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		

BORDER BRIDGE INFORMATION

98	Neighboring State Code
98B	Neighboring State % Respon
99	Neighboring State Struc. No.

FIELD POSTING INFORMATION

Field Posting Category S-5

Ton1 Ton2 Ton3

Tonnage Values for Posting Sign 17

General Text for Posting Sign

CENTERLINE OF BRIDGE AND TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.

Design_No = n0626 and Inventory_Appraisal_Submittal_Year = 2025