

BRIDGE MEMORANDUM

Job No.: JNW0013 Bridge No.: A18021

County: Linn Route: B (Low Volume) over Parsons Creek

Final Layout: U.I.P., Redeck & Make Composite Existing (40'-52'-40') Continuous Wide Flange Beam Spans

Roadway Width: 26'-0" plus 16" Type D Barriers each side

Alignment: Tangent
Skew: 33° L.A.
Profile Grade: Match existing ±

Loading: H15-44 (1965), HS20-44 (New construction)

Begin Station: $364+47.50\pm$ (match existing)

Traffic Handling: Structure to be closed during construction. Traffic to be maintained on other routes during construction.

See roadway plans for traffic control.

Traffic Information: AADT = 97 (2023), Truck = 14.6% = 14

AADT = 121 (2043), Truck = 14.6% = 18

Existing Bridge: Redeck A1802 and use in place.

Condition Ratings: Deck = 3, Superstructure = 6, Substructure = 7

Load Posting: No posting required (to be maintained)

DRAFT

General Notes:

• Remove existing bridge deck including curbs, rails and top of wings.

- Install 6¾" CIP sliding slab with 3/16" cross slope (without precast panels), stay-in-place forms permitted.
- Increase existing haunch 1" to match existing profile grade.
- Make End Bents No. 1 & 4 semi-integral.
- Install 16" wide, Type D Barriers.
- · Install Slab Drains as required.
- Install Shear Connectors to make composite.

Prepared by: Structural Project Manager

· Apply Gray Epoxy-Mastic Primer on sides & bottom of top flange & entire bottom flange for whole length of bridge.

Estimated Working / Calendar Days =

- Clean & Recoat existing bearings at Int. Bents No. 2 & 3.
- Clean & Recoat existing piles at Intermediate Bents No. 2 & 3 with Aluminum Epoxy-Mastic Primer.
- Install 20' Bridge Approach Slab (Minor) at End Bents No. 1 & 4.
- No conduit, lighting, utility supports, or sidewalks are to be included in the final plans.
- Existing paint system is System S over System A (lead based).
- Bridge deck may be finished with a vibratory screed. Include note B3.25 on plans.

Special Notes:

- Provide object markers at each corner of bridge (Roadway Item).
- Remove existing Bridge Approach Pavement (Roadway Item).
- Roadway surfacing adjacent to bridge ends to match top of bridge deck (Roadway Item).
- Rubblized existing bridge deck may be used on spill slopes (Roadway Item).
- An asbestos and lead inspection has been performed on this structure (A1802). Results indicate that both asbestos and lead are
 present. The Bridge Division will include this report in the electronic deliverables folder when submitting contract documents to the
 Design Division for the letting (Bridge Item).
- Girders to be recoated in a future, paint-only contract (Estimated cost of \$46,300).

FY26 Estimated Construction Cost = \$407,000

Does not include STIP inflation from Planning

Bridge contact is Ted Koester, SPM 573-751-4229

District contact is Brian Rosenthal, TPM 816-387-2499

7ed Koester 4/23/24

District: Transportation Project Manager

30 / 45

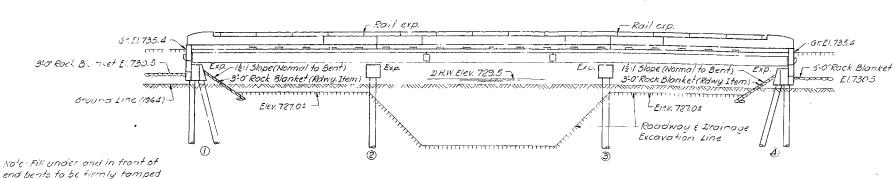
District: District Bridge Engineer Date

Date

MISSOURI STATE HIGHWAY DEPARTMENT

FED ROAD STATE FED AID FISCAL SHEET TOTAL DIST. NO. PROJ. NO. YEAR NO. SHEEL'S



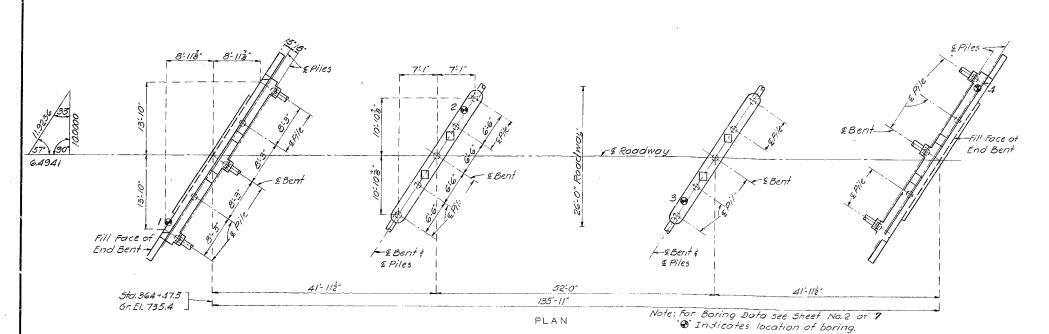


GENERAL ELEVATION

PILE DA	TΑ				
Bent No.		1	2	3	4
Type		Trestle	Trestle	Trestie	Trestle
Kind		C.1.P.	C.1.P.	C.I.P.	C.1.P.
Number		5	5	5	5
Approx. Length	Ft.	50	55	55	50
Design Bearing	Ton	30	29	29	30
Min. Tip Penetration	Tiev.	702.0	697.0	627.0	702.0
Pile Standard		52.02	52.02	52.02	52.02
Hammer, Energy regid. (Min.)*	1#	8000	8000	8000	8000

Note: * Minimum energy requirement of hammer based on plan length of piles.

All piles shall be driven to the minimum penetrations and to not less than the design bearings noted.



GENERAL	NOTES:
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Design Specifications: A.A.S.H.O.-1961 Design Loading:

HIS-41 15#/sq.ft. Future Wearing Surface Earth 120# Equivalent Fluid Pressure 30#

Design Unit Stresses:

Closs B Concrete (substructure) fc = 1,200 psi Class BI Concrets (superstructure) fc = 1,600 psi Reinforcing Steel fs = 20,000 psi Structural Steel (A.S.T.M. A36-62T) fs = 20,000 psi

Surface Seal:

Superstructure deck to be surface sealed.

Fabricated Steel:

Field connections, High 5trength Bolts ³4"¢, holes ¹³16"¢ except as noted.

B.M. El. 721,04 X on N. end obutment 11'Rt. 5to. 367+32 (U.S.G.S. Dotum)

BRIDGE OVER PARSONS CREEK

STATE ROAD FROM LIVINGSTON CO.LINE E. TO ROUTE 139

ABOUT 7.8 MILES N. OF MEADVILLE

PROJECT NO.5-231(4)

(SB) **STA**.364 + 47.5

LINN

COUNTY

BUBHITTED BY D. B. SELLIUS

BURGET CHONER

APPROVED BY M. J. M. J.

STD. 52.02 STD. 54.00 A-1802

Proposed
Channel Change (See Road Plans)

Proposed Structure
33°

Sta. 364+47.5

FRoadway

Drainage Area:
29.0 sami, (Rolling)

LOCATION SKETCH

DESIGNED Oct. 1965 BY Riks
DETAILED NOV. 1965 BY Riks
CHECKED DEC. 1965 BY EPFLE

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

ale. Follow dimensions.

Sheet No. / of 7.

ESTIMATED QUANTITIES

Note: Cost of any required excavation for bridge will be included in price bid for other items.

Lin.F

CU. YO

CU.YO

Lb. Lin.Ft.

ITEM

Cost-In-Place Concrete Piles

Bridge Roll (Single tube Type)

class B Concrete

class B1 Concrete

Reinforcing Steel

SUBST". SUPERSTR. TOTAL

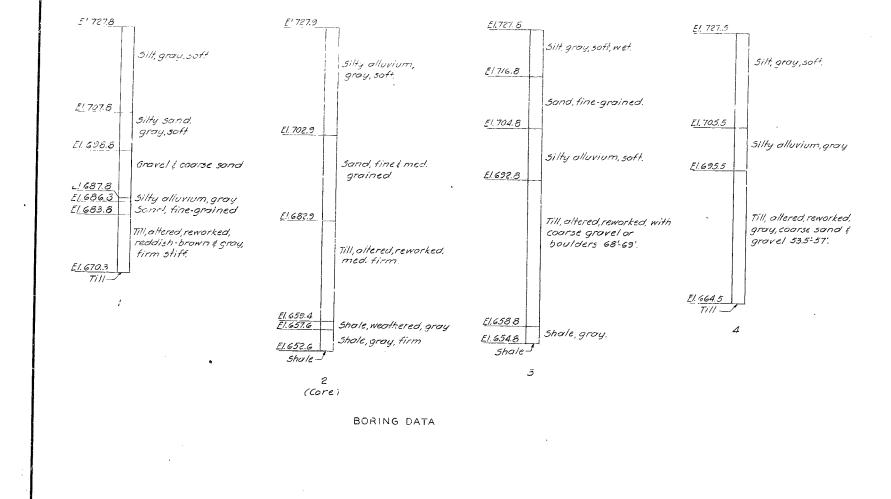
28,810

44,740

250

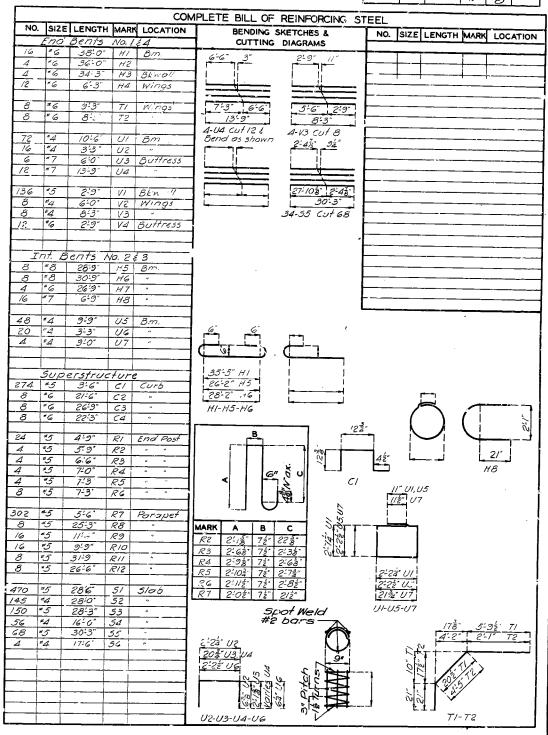
434

108.1



MISSOURI STATE HIGHWAY DEPARTMENT

1 4



DETAILED Oct. 1965 BY Riks CHECKED Dec 1965BY EPPLE

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

Sheet No. 2 of 7.

COUNTY

PROJECT NO. 5-231 (4)

BRIDGE OVER PARSONS CREEK

ABOUT 7.8 MILES N. OF MEADVILLE

STATE ROAD FROM LIVINGSTON CO. LINE E. TO ROUTE 139

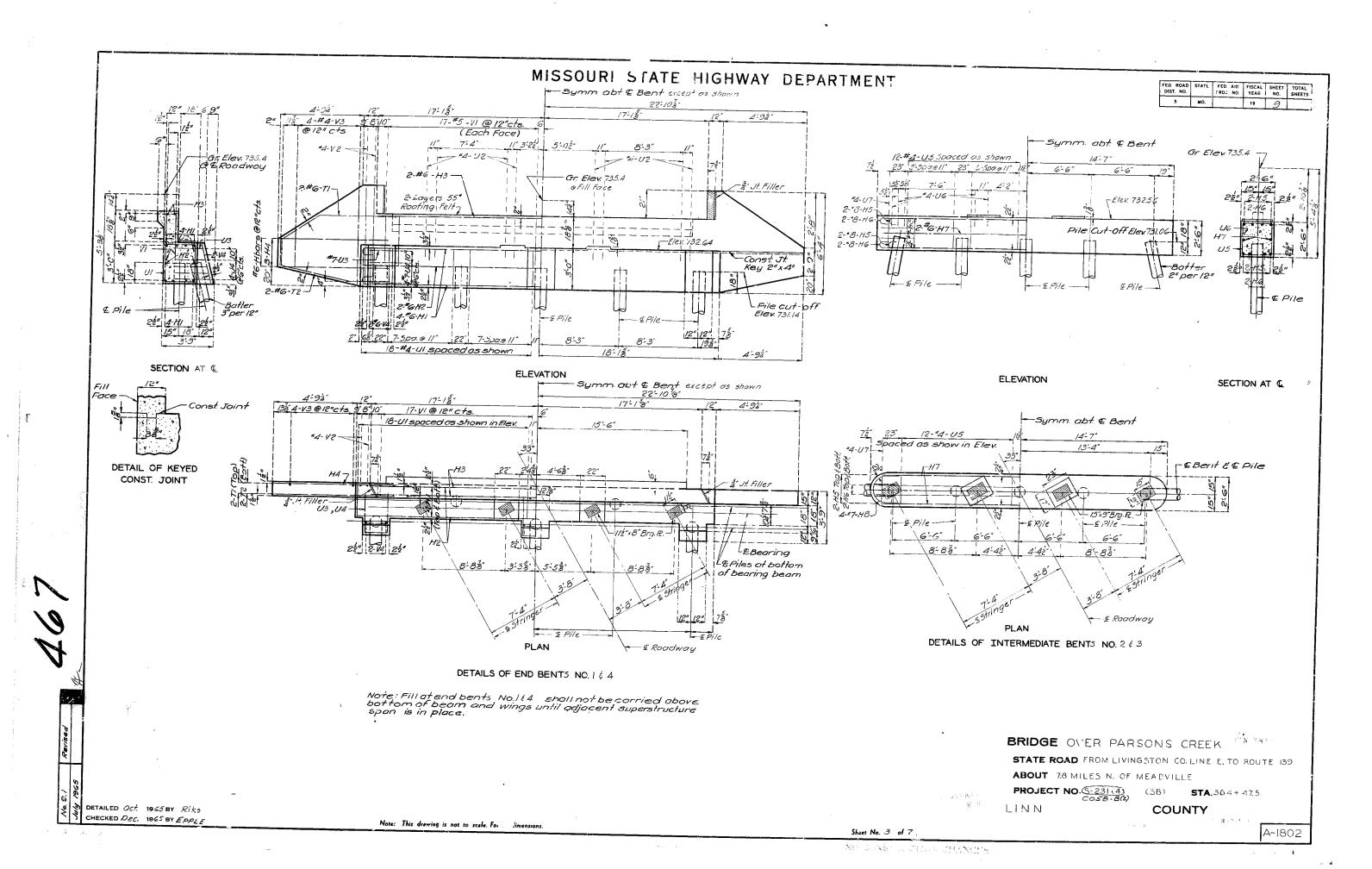
(SB) **STA.**364 - 47.5

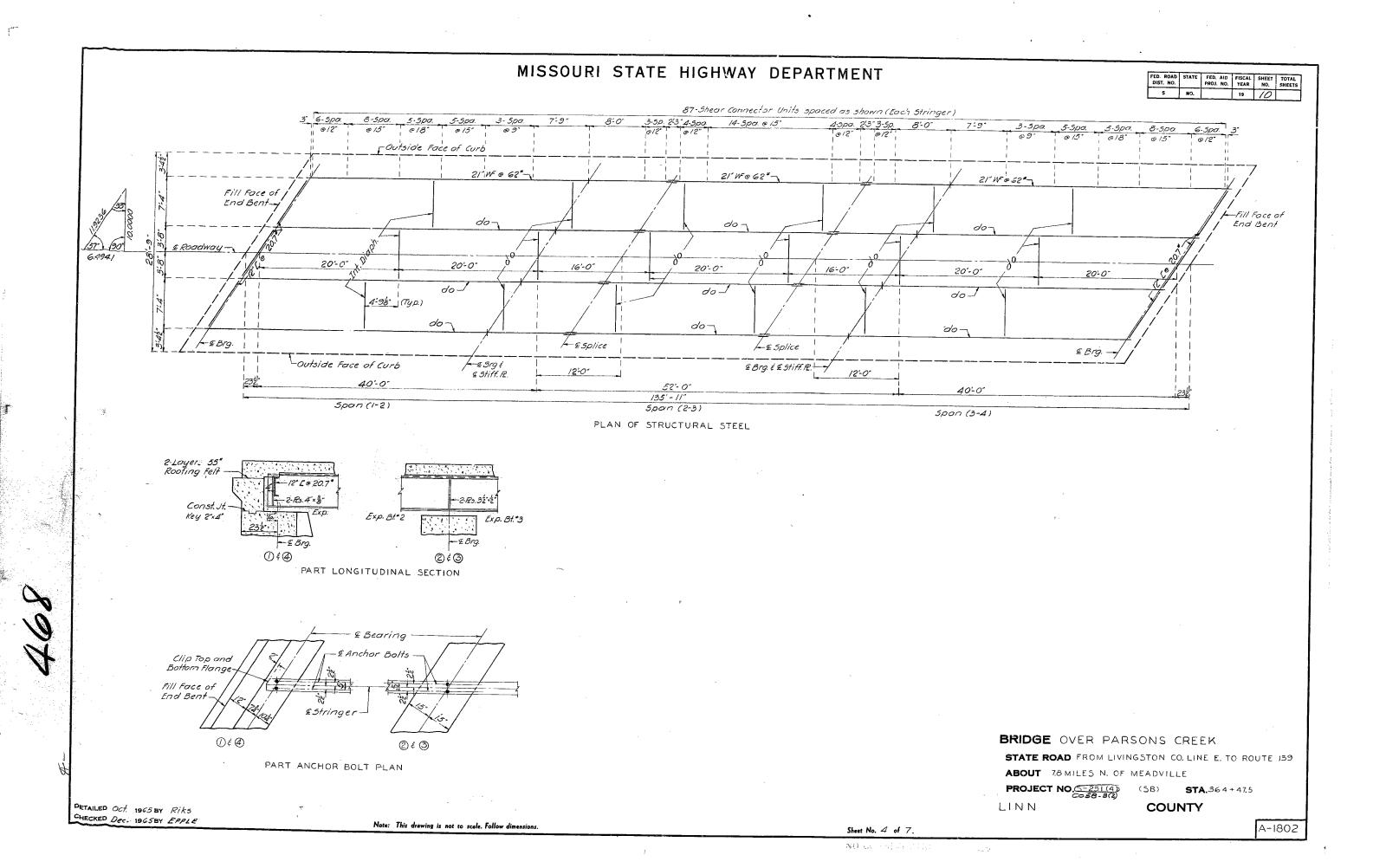
FED. ROAD STATE FED. AID FISCAL SHEET TOTAL DIST. NO. PROJ. NO. YEAR NO. SHEETS

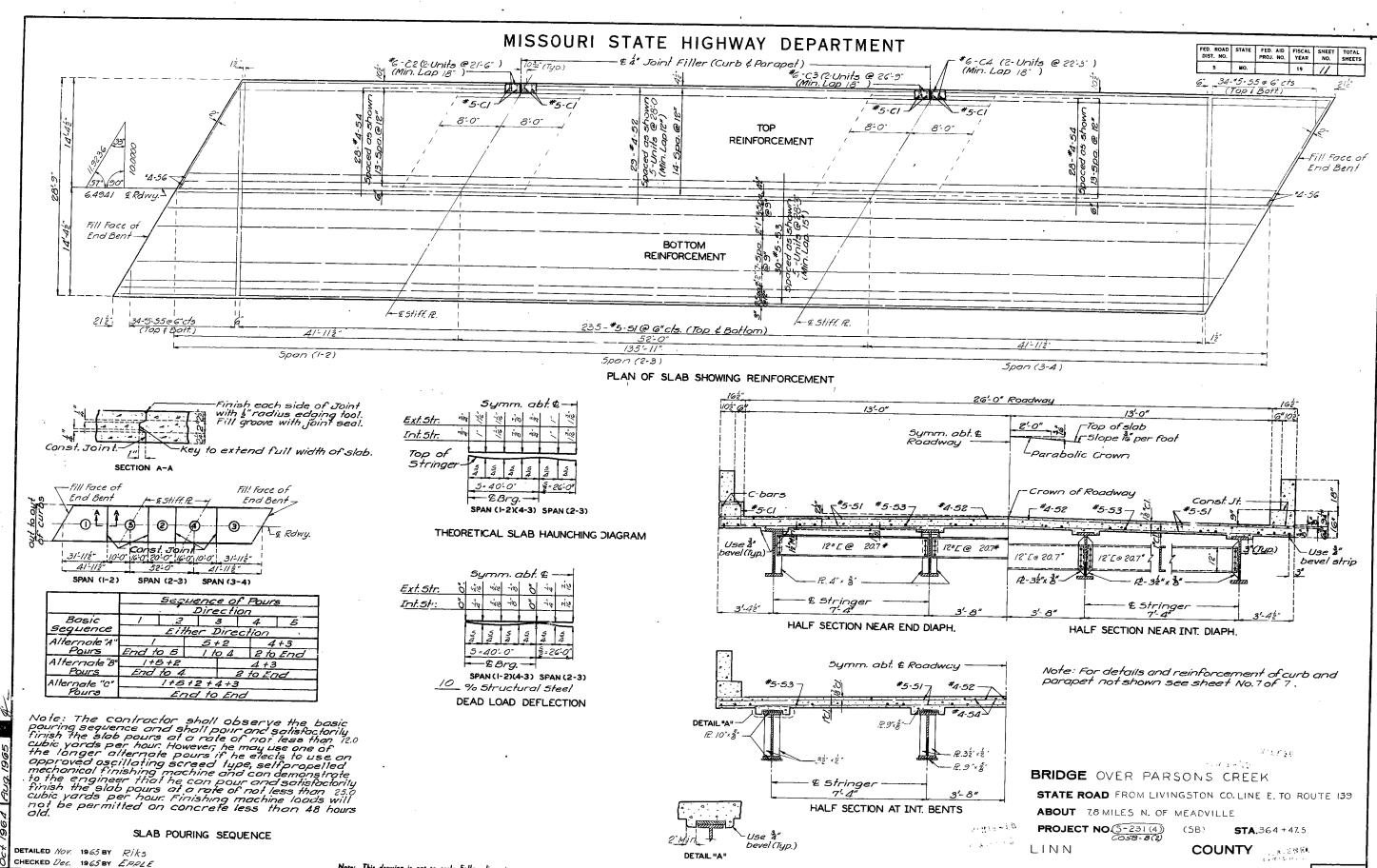
The Park With

LINN

A-1802





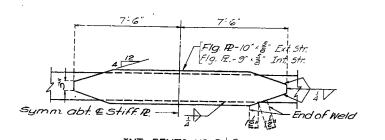


Note: This drawing is not to scale. Follow dimensions.

NO CONSTRUCTION CHANGES

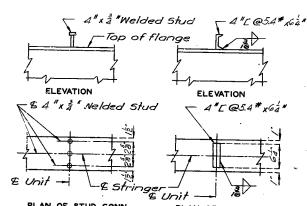
Sheet No. 5 of 7.

A-1802

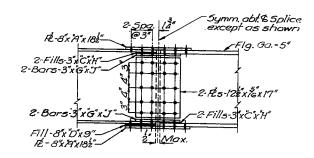


INT. BENTS NO. 2 & 3

DETAILS OF FLANGE PLATES - TOP & BOTTOM FLANGE

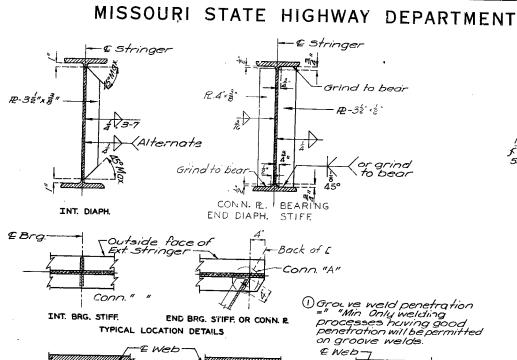


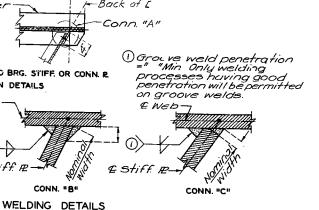
PLAN OF STUD CONN. PLAN OF CHANNEL CONN. Note: Locate channel connectors with back toward ends of spans. DETAILS OF SHEAR CONNECTORS

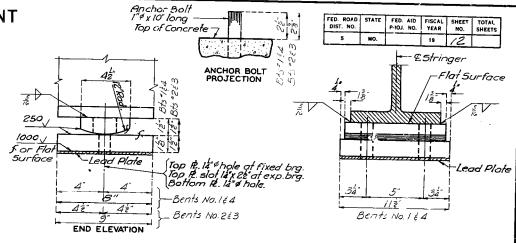


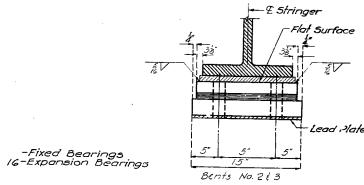
₩ \$.C5	пдп	"Cıı	"D"	*G"	"Н"	"J"
21"We62" 10 62"	7/16"			3/8″		125
	+					

Note: 18 # Reamed Holes for 8 # high strength bolts. DETAIL OF 21" WE BEAM SPLICE









TYPE C"BEARINGS (Estimated Weight 1038#)

Required:

NOTES: TYPE "C" BEARINGS

Lead plates under bearings shall be approximately 8" thickness and weigh 8" sq. ft. Cost of lead plates shall be included in price bid for other items. "Estimated weight" does not include weight of anchor bolts.

Where flat surface is indicated, tolerance shall be .003 in/in in any direction.
Anchor Bolts for Type "c" Bearings shall be !"ø swedged bolts 10"long with no heads or nuts. Top of Anchor Bolts shall be set approximately 1" below top of bearing.

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BRIDGE OVER PARSONS CREEK

STATE ROAD FROM LIVINGSTON CO. LINE E. TO ROUTE 139

ABO 'T 7.8 MILES N. OF MEADVILLE

PROJECT NO. 5-231 (4)

(SB) STA,364 + 47.5

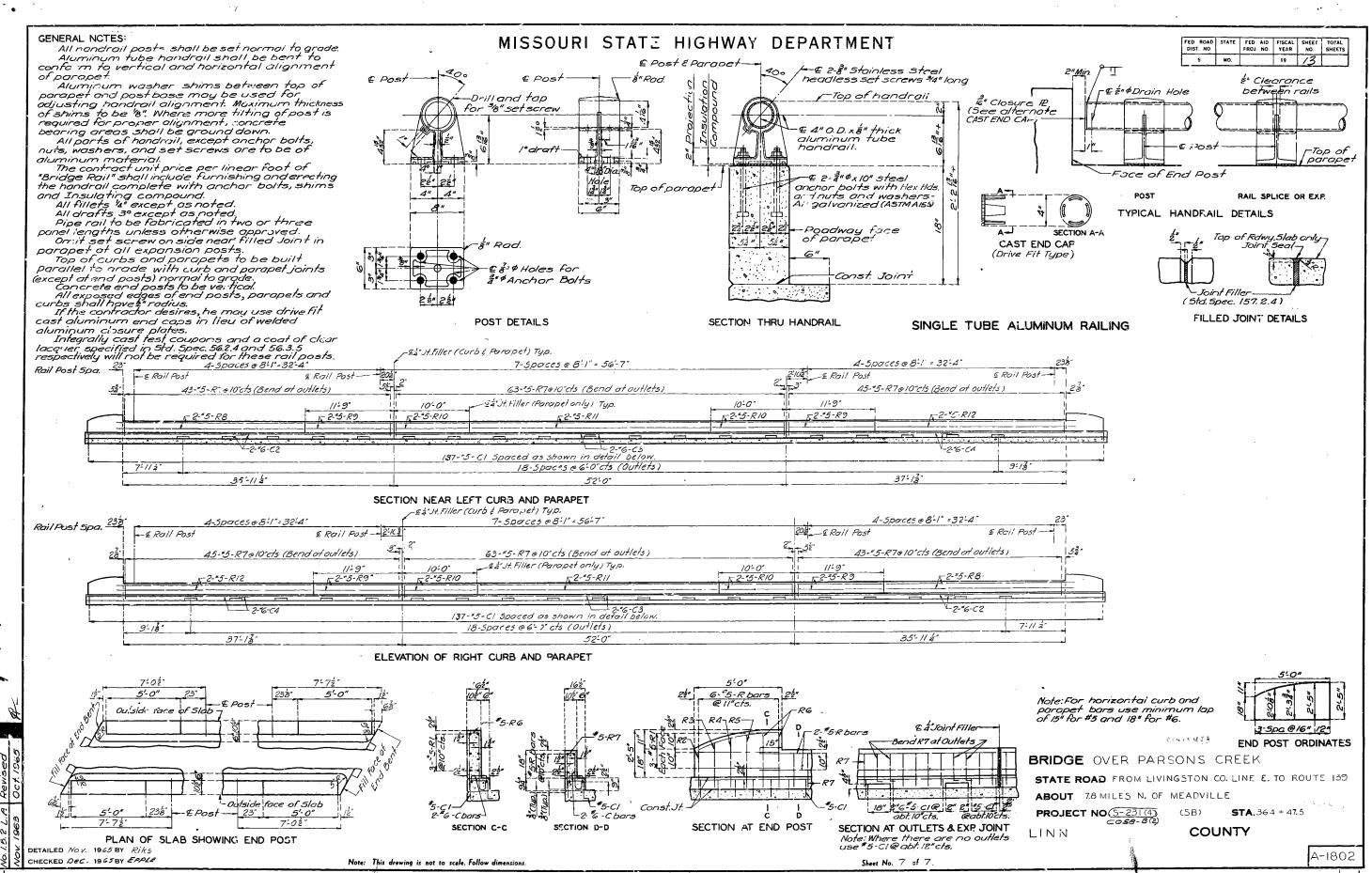
LINN

COUNTY

A-1802

DETAILED NOV. 1965 BY RIKS CHECKED Dec. 1965 BY EPPLE

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



NO CONSTRUCTION CHAMIES

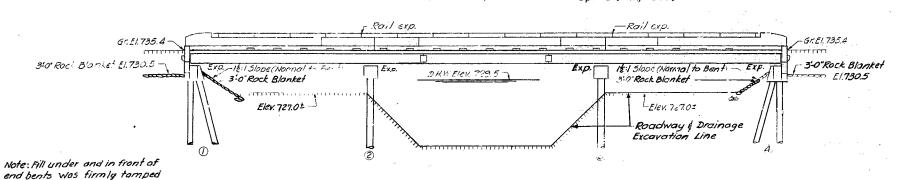
MISSOURI STATE HIGHWAY DEPARTMENT

FINAL PLANS

PILE DATA Trestle Trestle Trestle Trestle Type Kind C.I.P. C.I.P. C.I.P. C.1.P. Number _5 5 5 Approx. Lengt 50 5**5** 55 50 Design Bearing 30 29 29 30 Min. Tip Penetration 702.0 627.0 627.0 702.0 Pile Standard *5*2.02 52.02 52.02 52.02 Hammer, Energy regid. (Min.)* 8000 8000 8000 5000

Note: * Minimum energy requirement of homemer based on plan length of piles All piles Were . driven to the minimum penetrations and to not less than the design bearings noted,

(40'-52'-40') Cont. W Beam Spans (Composite)



GENERAL ELEVATION

7-1" Fill Face of End Bent e Roadway 6.4941 - FRENTE & Piles & Piles 41-11E 41:112" 5i3.364+47.5 135'-11" Gr. El. 735.4 Note; For Boring Data see Sheet No. 2 of 7 PLAN "& Indicates location of boring

ITEM		SUBSTR.	SUPERSTR.	TOTAL
Cast-In-Place Concrete Piles	Liri.Ft.	1015		1015
Closs B Concrete	CU. Yd.	43.4		43.4
Class BI Concrete	Cu.Yd.		108.1	108.
Reinforcing Steel	Lb.	5160	28.8/0	33.97
Fahricated Structural Carbon Steel	26	111	44710	44714
Bridge Rail (Sing!e tube Type)	Lin.Ft.		249	249

GENERAL NOTES:

Design Specifications: A.A.S.H.O.-1961

Design Loading

HIE-44 15#/sq.ft Future Wearing Surface Earth 120# Equivalent Fluid Pressure 30#

Design Unit Stresses:

Class B Concrete (substructure) fc = 1,200 psi Class BI Concrete (superstructure) fc = 1,600 psi Reinforcing Steel fs = 20,000 psi Structural Steel (A.S.T.M.A.36-62T) fs = 20,000 psi

Surface Seal:

Superstructure deck Was surface sealed. Fabricated Steel:

Field connections, High Strength Bolts 34"¢, holes 13/16"¢ except as noted.

B.M. Elev. 735.97 [] On S.W. Cor. Wing 144+ Sta 365+85

BRIDGE OVER PARSONS CREEK

STATE ROAD FROM LIVINGSTON COLINE E TO ROUTE 139

ABOUT TOMILES N. OF MEATVILLE FINISHED

PROJECT NO. 5-231(4) (SB) STA.364 + 47.5

LINN

COUNTY

FINISHE

DVED BY M. P. HIEF ENGINEER DATE 1/11/66

STD. 52.02 STD. 54.00 A-1802

4

DESIGNED Oct. 1965 BY RIKS
DETAILED NOV. 1965 BY RIKS
CHECKED DEC. 1965 BY EPPLE

5-0.362+47.

LOCATION SKETCH

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

Droinage Area: 29.0 sq.mi. (Rolling)

Sheet No. IA of I

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No. /// of /-

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June 25, 2024 10:13:50AM

COUNTY: LINN DISTRICT: NW CLASS: STATBR FED-ID: 1495 BRIDGE: A1802

GENERAL STRUCTURE INFORMATION ***BRIDGE INSPECTION INFORMATION*** **ROUTE: RTBE** # **SPANS**: 3 PLACE CODE: 14446 CLAY **RESPONSIBILITY: DISTRICT DATE:** 09/19/2022 LANES ON: 2 FEATURE: PARSONS CR **LENGTH:** 136 FT 0 IN FREQUENCY: 24 **CALCULATED INTERVAL**: 24** LANES UNDER: 0 STATUS: A-OPEN MAXIMUM SPAN: 52 FT 0 IN **TEAM LEADER: KEVIN RAITHEL ELEMENT: NO LOG MILE:** 10.624 **COMPASS DIRECTION:** EAST to WEST APPROACH ROADWAY: 20 FT 0 IN **INSPECTOR 2: INSPECTOR 4: DETOUR: 24.00 MILES DIRECTION OF TRAFFIC: 2-WAY TRAF CURB TO CURB: 26 FT 0 IN INSPECTOR 3: OUT TO OUT: 28 FT 10 IN** NHS: NO **FUNCTIONAL CLASS: RL-MAJOR COLLECTOR** ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. **BUILT:** 1966 **NBI OWNER: MODOT AADT:** 97 **GENERAL INSPECTION COMMENTS** REHAB: **NBI MAINTAINED: MODOT AADT YEAR: 2023** MAINTENANCE DISTRICT: NW LOCATION: S 36 T 59 R 22 W **AADT TRUCK: 14.6% LATITUDE:** 39 52 51.44 (DMS) **MAINTENANCE COUNTY: LINN FUTURE AADT: 121 LONGITUDE:** 93 18 59.87 (DMS) SUB AREA: 7A36 **FUTURE AADT YEAR: 2043** ***INDEPTH INSPECTION INFORMATION*** ***FRACTURE CRITICAL INSPECTION INFORMATION*** DATE: RESPONSIBILITY: **CATEGORY: CATEGORY:** DATE: **RESPONSIBILITY: FREQUENCY: CALCULATED INTERVAL**: NBI**: **FREQUENCY: CALCULATED INTERVAL**: NBI**: **TEAM LEADER: INSPECTOR 3: METHOD: TEAM LEADER: INSPECTOR 3: METHOD: INSPECTOR 2: INSPECTOR 4: INSPECTOR 2: INSPECTOR 4:** ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. ** 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:** 12/29/2014 **CATEGORY:** CHANNEL CROSS SECT **CATEGORY: DRY RESPONSIBILITY: DISTRICT DATE:** 09/19/2022 **RESPONSIBILITY: DISTRICT** FREOUENCY: 120 **NBI:** NO FREOUENCY: 60 NBI: NO **CALCULATED INTERVAL**:** CALCULATED INTERVAL**: 24 **TEAM LEADER: KEVIN RAITHEL TEAM LEADER: INSPECTOR 3: METHOD:** WT TAPE **INSPECTOR 3: METHOD:** VISUAL **INSPECTOR 2:** WESLEY CARMACK **INSPECTOR 4: INSPECTOR 2: INSPECTOR 4:** * When calculated interval exceeds the frequency, a justification comment per BIRM is required. ** 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 **DATE FREQUENCY CATEGORY** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD** DATE **FREQUENCY CATEGORY** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD**

MoDOT

Missouri Department of Transportation State Bridge Inspection Report

June 25, 2024 10:13:50AM

COUNTY: LINN DISTRICT: NW CLASS: STATBR FED-ID: 1495 BRIDGE: A1802

STRUCTURE POSTING

APPROVED CATEGORY: S-1

NO POSTING REQUIRED

Ton 1: Ton 2:

Ton 3:

COMMENTS:

COMMENTS:

Ton 1:

FIELD CATEGORY: S-1

NO POSTING REQUIRED

Ton 2:

Ton 3:

PROBLEM: PROBLEM DIRECTION:

GENERAL COMMENTS/MAJOR RATED ITEMS

GENERAL COMMENTS: (BOWDEJ1, 12/10/2009)--(42'-52'-42') CONT COMP WF GDR SPANS

[ITEM 58] DECK: 3-SERIOUS CONDITION

COMMENTS: (STEPHS2, 09/26/2018)--SATURATION SPAN 1

RATING: 09/26/2018

(STEPHS2, 09/15/2020)--PATCHES THROUGHOUT

[ITEM 59] SUPER: 6-SATISFACTORY CONDITION

COMMENTS: (STEPHS2, 09/27/2016)--RUSTING TOP FLANGE GIRDERS

RATING: 09/27/2016

[ITEM 60] SUB: 7-GOOD CONDITION

COMMENTS:

RATING: 05/18/2001

[ITEM 61] BANK/CHANNEL: 6-WIDESPREAD MINOR DAMAGE

COMMENTS: (BOWDEJ1, 12/01/2004)--W. BANK ERODING

RATING: 05/18/2001

[ITEM 113] SCOUR: 8-STABLE FOR CALCULATED

COMMENTS:

RATING: 05/18/2001

EVALUATION TYPE:

[ITEM 71] WATERWAY ADEQUACY: DECK ABOVE FLOOD ELEV

COMMENTS:

COMMENTS:

RATING: 05/18/2001

[ITEM 72] APPRRDWY ALIGNMENT: 6-SATISFACTORY

CIOKI

RATING: 05/18/2001

RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS

[ITEM 36A] BRIDGE RAILING RATING: DOESNT MEET CURRNT STND-0 RATING: 12/10/2009 COMMENTS:

<u>MATERIAL</u>

CONSTRUCTION CURB DIRECTION

COMMENTS

REINFORCED CONCRETE

BOTH

._____

REINFORCED CONCRETE

PARAPET

BOTH

ALUMINUM

CIRCULAR TUBE

BOTH

COMMENTS:

[ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0

[ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0

RATING: 05/18/2001

RATING: 05/18/2001

COMMENTS:

MODOT

Missouri Department of Transportation State Bridge Inspection Report

June 25, 2024 10:13:50AM

COUNTY: LINN DISTRICT: NW CLASS: STATBR FED-ID: 1495 BRIDGE: A1802

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

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:

MATERIAL OVERALL CONDITION SERIES TYPE-# COMPONENT CONSTRUCTION THICKNESS YEAR APPLIED MANUFACTURE MAIN SERIES-1 **WEARING SURFACE ASPHALT** BITUMINOUS SEAL COAT GOOD

COMMENT: (STEPHS2, 09/26/2018)--CINDERSEAL 2017

NONE DECK PROTECTION *NOTAPPLICABLE*

COMMENT:

NONE *MEMBRANE NOTAPPLICABLE*

COMMENT:

DRAINAGE COMPONENTS:

COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS

DRAINAGE REINFORCED CONCRETE CURB OUTLET

DRAINAGE ASPHALTDRAIN BASIN-END BENT

EXPANSION DEVICE COMPONENTS:

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

ABUTMENT-1 CLOSED EXPANSION JOINT FELTFILLED JOINT

COMMENT:

ABUTMENT-4 FELTFILLED JOINT CLOSED EXPANSION JOINT

COMMENT:

BANK/SLOPE PROTECTION COMPONENTS:

COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS BOTH

BANK PROTECTION ROCK**BLANKET**

DECK COMPONENTS

SPAN TYPE-# **COMPONENT MATERIAL CONSTRUCTION COMMENTS**

MAIN SPANS-1 CAST-IN-PLACE DECKREINFORCED CONCRETE

CONDITION LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT** DELAMINATION THROUGHOUT **MODERATE**

MODERATE LEACHING THROUGHOUT MAP CRACKS THROUGHOUT MANY PATCHES THROUGHOUT MANY **SATURATION** THROUGHOUT **HEAVY**

TRANSVERSE CRACKS THROUGHOUT **MODERATE**

Design No = A1802

70 %

June 25, 2024 10:13:50AM

COUNTY: LINN CLASS: STATBR DISTRICT: NW FED-ID: 1495 **BRIDGE: A1802**

MAIN SPANS-2 DECK	REINFORCED CONCRETA	E CAST-IN-PLACI	E	
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u> <u>MEASUREM</u>	<u>IENT</u> <u>COMMENT</u>
DELAMINATION	THROUGHOUT		MODERATE	
LEACHING	THROUGHOUT		MEDIUM	
MAP CRACKS	THROUGHOUT		MANY	
PATCHES	THROUGHOUT		MANY	
SATURATION	THROUGHOUT		HEAVY 60 %	
SPALLS TRANSVERGE CRACKS	THROUGHOUT		FEW	
TRANSVERSE CRACKS	THROUGHOUT		MODERATE	
MAIN GRANG 2	DENIEGRAED CONCRET		ur.	
MAIN SPANS-3 DECK	REINFORCED CONCRETA			TENT COMPLEXE
<u>CONDITION</u>	LOCATION 1	<u>LOCATION 2</u>	<u>SEVERITY</u> <u>MEASUREM</u>	<u>IENT</u> <u>COMMENT</u>
DELAMINATION	THROUGHOUT		MODERATE	
LEACHING MAP CRACKS	THROUGHOUT THROUGHOUT		MODERATE	
PATCHES	THROUGHOUT		MANY MANY	
SATURATION	THROUGHOUT		HEAVY 40 %	
TRANSVERSE CRACKS	THROUGHOUT		MODERATE 40 70	
THE INSTERIOR STATE OF	Time concer		MODERATE	
		4440IINEDOPDII4	CTUDE COMPONIENTESAN	٠٠٠
SERIES TYPE-# SPAN TYI	PE MATERIAL	***SUPERSTRUC	CTURE COMPONENTS** N LABEL	COMMENTS
MAIN SERIES-1 CONTINUOUS		WIDE FLANGE GIR		COMMENTS
SPAN COMPOSITE		RING STEEL COMMENTS	DERO	
MAIN SPANS-1 COMP		NO		
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u> <u>MEASUREM</u>	MENT COMMENT
RUSTING	TOP FLANGE	<u>LOCATION 2</u>	MEDIUM	<u>COMMENT</u>
ROSTING	TOT TEATIGE		WEDICIVI	
MAIN SPANS-2 COMP	OSITE 52 FT 0 IN	NO		
CONDITION	LOCATION 1	LOCATION 2	SEVERITY MEASUREM	MENT COMMENT
RUSTING	TOP FLANGE		MEDIUM	
515.5.5				
MAIN SPANS-3 COMP	OSITE 42 FT 0 IN	NO		
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u> <u>MEASUREM</u>	<u>MENT</u> <u>COMMENT</u>
RUSTING	TOP FLANGE		MEDIUM	
		SUBSTRUC	TURE COMPONENTS	
<u>SUBSTRUCTURE</u> <u>SKEW</u>	<u>LENGTH</u> <u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>LABEL</u> <u>COMMENTS</u>	
ABUTMENT-1 LA-33 DEGREES	36 FT 3 IN REINFORCED CONCRETE	NON-INTEGRAL	_	
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
ASSOCIATED COMPONENT	MATERIAL	<u>CONSTRUCTION</u>		
BACKWALL	REINFORCED CONCRETE	CAST-IN-PLACE	GEVED INV	ME AGUDENENT COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>		<u>MEASUREMENT</u> <u>COMMENT</u>
SHOVING	THROUGHOUT	CACE BIRLACE	MINOR	
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE	CELIEDIEN	ME ACUDEMENT COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
PILING	REINFORCED CONCRETE	CAST-IN-PLACE	CEVEDITY	MEASUDEMENT COMMENT
CONDITION STD A ICHT WINGS	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u> 1	<u>MEASUREMENT</u> <u>COMMENT</u>
STRAIGHT WINGS	REINFORCED CONCRETE	CAST-IN-PLACE		
$Design_No = A1802$			Page 4	

June 25, 2024 10:13:50AM

COUNTY: LINN	DISTRICT: NW	CLASS: STATBR	FED-I	D: 1495	BRIDGE: A1802
<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 PLA			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-2 LA-33 DEGREES	29 FT 2 IN REINFORCED CONCRETE	PILE CAP			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	MATERIAL	<u>CONSTRUCTION</u>			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE	CELEBIEV	ME ACUDEMENT	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
PILING <i>Condition</i>	REINFORCED CONCRETE <i>LOCATION 1</i>	CAST-IN-PLACE <i>LOCATION 2</i>	CEVEDITY	MEACUDEMENT	COMMENT
<u>CONDITION</u> RUSTING	<u>LOCATION 1</u> GROUND LINE	<u>LOCATION 2</u>	<u>Severity</u> Minor	<u>MEASUREMENT</u>	COMMENT
EXPANSION BEARING	STEEL	SLIDING CURVED/FLAT PL	MINOR		
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
CONDITION	<u>BOCATION I</u>	<u> DOCMION 2</u>	<u>SEVERITI</u>	MENDERE MENT	COMMENT
BENT-3 LA-33 DEGREES	REINFORCED CONCRETE	PILE CAP			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION	<u>SEVERITI</u>	MEASUREMENT	COMMENT
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
PILING	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	SEVERITY	MEASUREMENT	<u>COMMENT</u>
RUSTING	GROUND LINE		MINOR		
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>
ABUTMENT-4 LA-33 DEGREES	REINFORCED CONCRETE	NON-INTEGRAL			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</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>
SHOVING	THROUGHOUT	CACT DADE A CE	MINOR		
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE	CELEDITY	ME ACUDEMENT	COMMENT
<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>CUMMENT</u>
PILING <u>Condition</u>	REINFORCED CONCRETE <u>LOCATION 1</u>	CAST-IN-PLACE <i>LOCATION 2</i>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
STRAIGHT WINGS	REINFORCED CONCRETE	CAST-IN-PLACE	<u>SLY LNIII</u>	MEASUREMENT	COMMENT
STRAIGHT WINGS <u>CONDITION</u>	REINFORCED CONCRETE LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
EXPANSION BEARING	STEEL STEEL	SLIDING CURVED/FLAT PL	SD / DRITT	MENDOREMENT	COMMENT
CONDITION	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
<u>551.2111017</u>	<u> </u>	<u> </u>	<u></u>		

OVER/UNDER ROUTES CLEARANCE INFORMATION

<u>CLEARANCES OVER DECK</u> <u>VERTICAL CLEARANCE TYPE**</u> **NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.

DIRECTION VALUE DATE COMMENT

June 25, 2024 10:13:50AM

COUNTY: LINN

MODOT

CLEARANCES UNDER BRIDGE

DISTRICT: NW

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

CLASS: STATBR

FED-ID: 1495

BRIDGE: A1802

RECORD # **ROUTE DIRECTION OF TRAFFIC** RIGHT LATERAL CLEARANCE LEFT LATERAL CLEARANCE **UR-ID** # LANES **VERTICAL CLEARANCE TYPE** VALUE DIRECTION DATE COMMENT** ***STRUCTURE PAINT INFORMATION*** **CONDITION:** STEEL TONS: 22 **FAIR RUST AMOUNT:** 6=1.0% OF SURFACE RUSTED **ORIGINAL PAINT CONTRACT REPAINT** DEPARTMENT REPAINT **PAINT TYPE:** A SYSTEM PAINT TYPE: **PAINT TYPE:** S SYSTEM **MANUFACTURE** : ARMOR SHIELD **NAME:** RED LEAD NAME: NAME: CAL SULPH/LEAD PAINT **SURFACE PREP:** NEEDLE SCALE **PAINT COLOR: ALUMINUM PAINT COLOR: PAINT COLOR:** GRAY PAINT YEAR: 1967 **PAINT YEAR:** PAINT YEAR: 2003 MILS: 3MILS: **MILS**: 14 ***REQUESTED WORK ITEMS*** GENERAL WORK COMMENTS: (MENEET, 09/27/2012)--REDECK CANDIDATE. RESPONSIBILITY **LOCATION ITEM CATEGORY** PRIORITY DATE **WORK ITEM COMMENT** ***UTILITY ATTACHMENTS*** **UTILITY OWNER METHOD MEASUREMENT TYPE** UTILITY ATTACHMENT COMMENT **VALUE NUMBER** ***PROGRAM NOTES INFORMATION***

YEAR

PROJECT#

MONTH LET

YEAR LET

ITEMS

COMMENT



June 25, 2024 10:13:50AM

COUNTY: LINN DISTRICT: NW CLASS: STATBR FED-ID: 1495 BRIDGE: A1802

COUNTY: LI	DISTRICT: NW	CLASS: STATER	FED-ID: 1493	DKIDGE: A1002		
CON	MPUTER GENERATED RATINGS AND D	DEFICIENCY ITEMS		***ADVANCED SI	GN INFORMATION*	**
NOTE: The items listed in this section a	re updated whenever computer edits are ran on a struct	ure after the inspection updates have been entered in to TMS.	SIGN#	SIGN TYPE	PROBLEM	PROBLEM DIRECTION
Rated Item	Rating	Rating Date	1			
[Item 67] Structure Evaluation Rating:	5-BETTER THAN MINIMUM	1/25/2005				
[Item 68] Deck Geometry Rating:	6-EQ TO PRESENT MIN CRITR	3/2/2023				
[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001				
Sufficiency Rating:	73.0%	3/2/2023				
Deficiency:	STRUCTURAL	2/3/2015				
Funding Eligibility:				***OUTFALL INSPEC	CTION INFORMATIO)N***
Estimated New Structure Length:			" OXIDEAL C	TV CD	S.C.E.O.D.	
Estimated Structure Cost:			# OUTFALLS:	INSPI	ECTOR:	
Estimated Total Project Cost:			STATUS:		DATE:	
Year of Cost Estimate:			NOTES:			
generalized to use NBI items to come up v	ost estimates are computer generated using algorithims with a new structure length and width to calculate a new cost may vary significantly from these numbers once s	v area which is taken times a representative cost per				

June 25, 2024 10:13:50AM

BRIDGE: A1802

DUNTY: LINN DISTRICT: NW CLASS: STATBR FED-ID: 1495

Design_No = A1802

BRIDGE MEMORANDUM

Job No.: JNW0013 Bridge No.: P08911

County: Linn Route: U (Low Volume) over Long Branch

Final Layout: U.I.P., Redeck & Make Composite Existing (35'-35') Simple Wide Flange Beam Spans

Roadway Width: 22'-0" plus 16" Type D Barriers each side

Alignment: Tangent
Skew: 15° R.A.
Profile Grade: Match existing ±

Loading: H10-44 (1953), HS20-44 (New construction)

Begin Station: $325+47.00\pm$ (match existing)

Traffic Handling: Structure to be closed during construction. Traffic to be maintained on other routes during construction.

See roadway plans for traffic control.

Traffic Information: AADT = 298 (2023), Truck = 21.6% = 64

AADT = 372 (2043), Truck = 21.6% = 80

Existing Bridge: Redeck P0891 and use in place.

Condition Ratings: Deck = 4, Superstructure = 5, Substructure = 6

Load Posting: Posted for 15 tons (to be removed)

ture = 6

General Notes:

• Remove existing bridge deck including curbs, rails and top of wings.

- Install 6½" CIP sliding slab with 3/16" cross slope (without precast panels), stay-in-place forms permitted.
- Increase existing haunch 1/4" to match existing profile grade.
- Install concrete diaphragms at Int. Bents No. 2 & 3 to make continuous.
- Make End Bents No. 1 & 4 semi-integral.
- · Install 16" wide, Type D Barriers.
- · Install Slab Drains as required.
- Install Shear Connectors to make composite.
- Install cover plates to strengthen existing beams to remove load posting.
- · Clean & Recoat existing piles at Intermediate Bents No. 2 & 3 with Aluminum Epoxy-Mastic Primer.
- Install 20' Bridge Approach Slab (Minor) at End Bents No. 1 & 4
- No conduit, lighting, utility supports, or sidewalks are to be included in the final plans.
- Existing paint system is System C (not lead based).
- Bridge deck may be finished with a vibratory screed. Include note B3.25 on plans.

Special Notes:

- Provide object markers at each corner of bridge (Roadway Item).
- · Remove existing Bridge Approach Pavement (Roadway Item).
- Roadway surfacing adjacent to bridge ends to match top of bridge deck (Roadway Item).
- Rubblized existing bridge deck may be used on spill slopes (Roadway Item).
- An asbestos and lead inspection has been performed on this structure (P0891). Results indicate that asbestos is not present and lead is
 present. The Bridge Division will include this report in the electronic deliverables folder when submitting contract documents to the
 Design Division for the letting (Bridge Item).

Estimated Working / Calendar Days = 30 / 45

• Girders to be recoated in a future, paint-only contract (Estimated cost of \$37,000).

District: District Bridge Engineer

Date

MISSCURI STATE HIGHWAY DEPARTMENT

FED. ROAD STATE FED. AID FISCAL SHEET TOTAL DIST. NO. SHEETS MO. (50) 19

15:10 3:13

23.0

10-S4 CUT 40

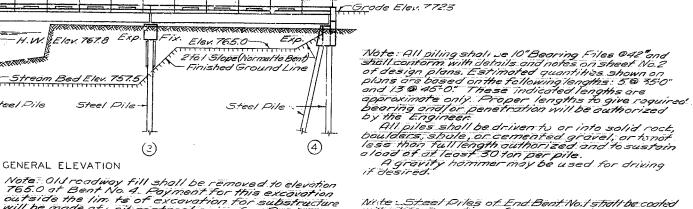
21:2" G2

25'2"H2"

Substr. Superstr Total

155. 1720 36,740 38,060

40.0



Note: Steel Diles of End Bent No. I stull be cooked with a heavy coating of an approved bituminous mastic point from the bottom of the concrete cap to a point 3 feet below the existing ground line. Steel piles of Ind Bent No. I should be so coated from the bottom of the concrete cap to a point 3 feet below the cap. Steel piles of Intermediate Bents No. 2 and 3 should be so coated from apoint I fact above to apoint 3 feet below tinished ground line. In no coese will it be required to place the coating below the water line. Payment for excavating around piles below present ground line and tractilling some, turnishing bituminous mastic paint and cleaning and pointing steel surfaces specified will be included in the unit price bid for other items.

& Bent # & Pile & Bent & EPile - & Roadway Sto. 325+47 Gr. Elev. 7723 36-13" 35:0 36-13 107-32

PLAN

3 @ 35' I-Bm. Spans

-H.W. Elev. 767.8 Exp.

Steel Pile

Stream Bed Elev. 757.5

GENERAL ELEVATION

-Steel Pile

2

Propose 15 ructure

t Proposed Channel Chonge (See Road Plans)

Drainage Area 12 5q.Mi. (Rolling)

TE ROOD VOY

LOCATION SKETCH

GENERAL NOTES:

FIX. Elev. 765.0-

will be made of unit contract price for Roodway

2101 Stope (Normatio Bent)

Finished Ground Line

Steel Pile

4

Design Specifications A.A.S.H.O. 1953 Loading H10-44 Structural Steel Stress 18,000 4/a." Reintorcing Steel Stress 18,000 */a" Class "B" Concrete Stress: 1,000 */a" All concrete shall be Class "B"

All concrete shall be Class 'Es".

Paint: Shop, none; Field, contact surfaces of bolted field connections one coat of red lead and surfaces inaccessible offer erection three coats of red lead. No other paint to be applied by Contractor, except as noted for steel piles. Red lead required shall be furnished by Contractor.

Payment for cleaning and pointing such surfaces will be included in unit price bid for Fabricated Structural Steel.

Where joint filler is specified on the plans it shall conform with the requirements of Section 38-19A(I) h of the Standard Specifications for Premoulded Material for Filler.

For requirements on welding electrodes see Special Provisions.

Quo, if cation of welding operators will be required.

Rivets 3.9, holes 18.9 except where otherwise noted.

Field connections shall be riveted except as noted in hondrail details.

If the Contractor do in the liveted except as noted in hondrail details.

If the Contractor desires to eliminate all field riveting on this project, he may use machine bolts except for the \$"rivet head bolts specified for handrail. Heads and nuts of machine bolts shall be American Standard Regular

FINISHER

8 44 9:3" V2 Wing 4 44 7:0" V3 24 4 3:9" V4 Beam 2-65 72 Int. Bents No. 2#3 4 46 21:9" GI Beam 16 "6 23'9' 62 88 "4 6'0" 06 8 "4 3'3" UT 2:84:06 201:05 201:04 3:85:43 2:25:"U2 20:5:"U1 9:5:"C1 TI - T2 Superstructure 152 #5 2.9" CI Curb 6 #6 359 C2 " 6 46 356 C3 6 *6 349 04 " 362 *4 220 51 Slob 128 *4 18:9 52 " 20 44 240 53 40 *4 28:0 SA 6 *4 22:9" SS CI-UI-U2-U3-U4-U5-U6-U7 64 4 18:0" 56

ESTIMATED QUANTITIES

Cuyds.

COMPLETE BILL OF REINFORCING BILL No. Size Length Mark Location | Cutting Diagrams & Bending Stete

20:48 3:78"

6-65 2:85

9:3"

4-V2 CUT 8

10-53 CUT 20

End Bents No. 184 46 24:0" HI BE. Woll

Wing

*6 27:9 H2 Beam *6 25:9 H3 "

#6 7:3" H4 Wing

48 *7 8:0" UI Beam 16 *4 3:3" U2 "

96 44 3:3" VI. Bt. Woll

8 #6 9:3" 71 8 #6 8:9" 72

112 4 7:0" U3

12 "7 7-6" UA 12 "7 7-0" US

Fotricated Structural Steel Gray Iron Alloy Castings	- 455.		36,740 1285	
Reinforcing Steel	. L. 5.	1610	10,110	14,124
Steel Pile in place	Lin.Ft.	706		700
Steel Pile Cut-offs.	Lin.Ft.	54		34

Hent

Class | Excavation for Structures CuYds Class B' Concrete CuYds

Fobricated Structural Steel

Estimated weight of Fabricated Structural Steel in substructure consists of weight of unites for Bents 243.

* Final pay weight for Fabricated Structural Steel will be bused on using field rivets except for batted connections specified for

B.M. Elev 7655 Noil & Washer in South East Side 10° Willow = 120'Lt. Sta. 325+14 (U.S.G.S. Dotum)

BRIDGE OVER LONG BRANCH

STATE ROAD FROM RTE. 129 WEST AND SOUTH TO RTE. 36 ABOUT 8.0 MILES N.W. OF BUCKLIN

PROJECT NO. S-1485(I) (SU) STA, 325+47

LINN

COUNTY

DATE 6/1/1955 Ray M. Whitton DATE 6/1/1955

FINISHED STD C-HOR3

P 891

FINISHED

SEE FINAL PLANS BROWN-LINES

DRAWN MOY 19:5BY W.E.S. CHECKED May 1955 BY Q7K

Trim Bonk (See Road Plans)

Sta. 325+47

Present Structure To be removed

(See Special Provisions,

Grade Elev. 7723-

-E'lev. 765.C

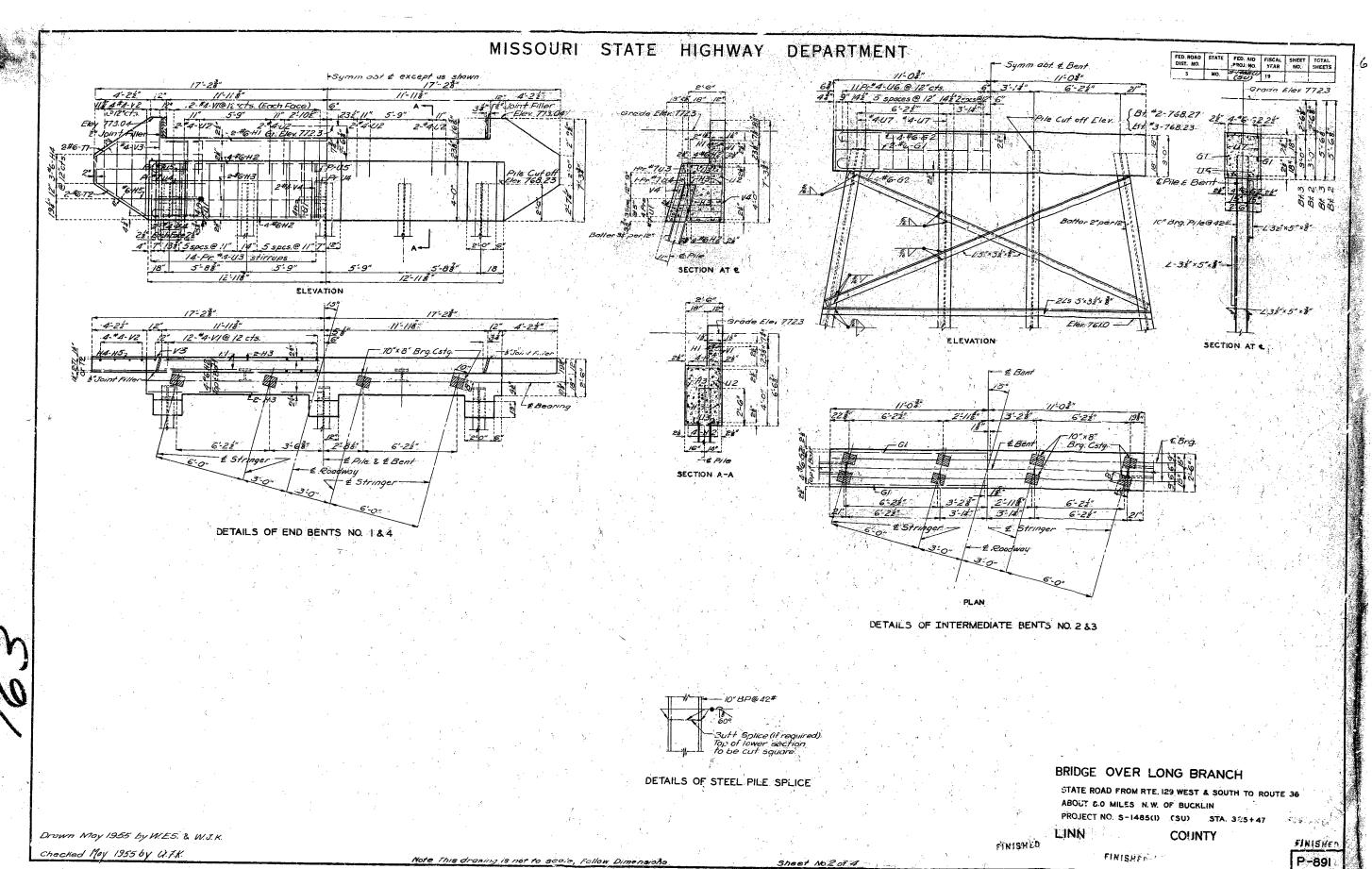
2 to 1 Stope (Normal to Bent)

Ground Line (1955)

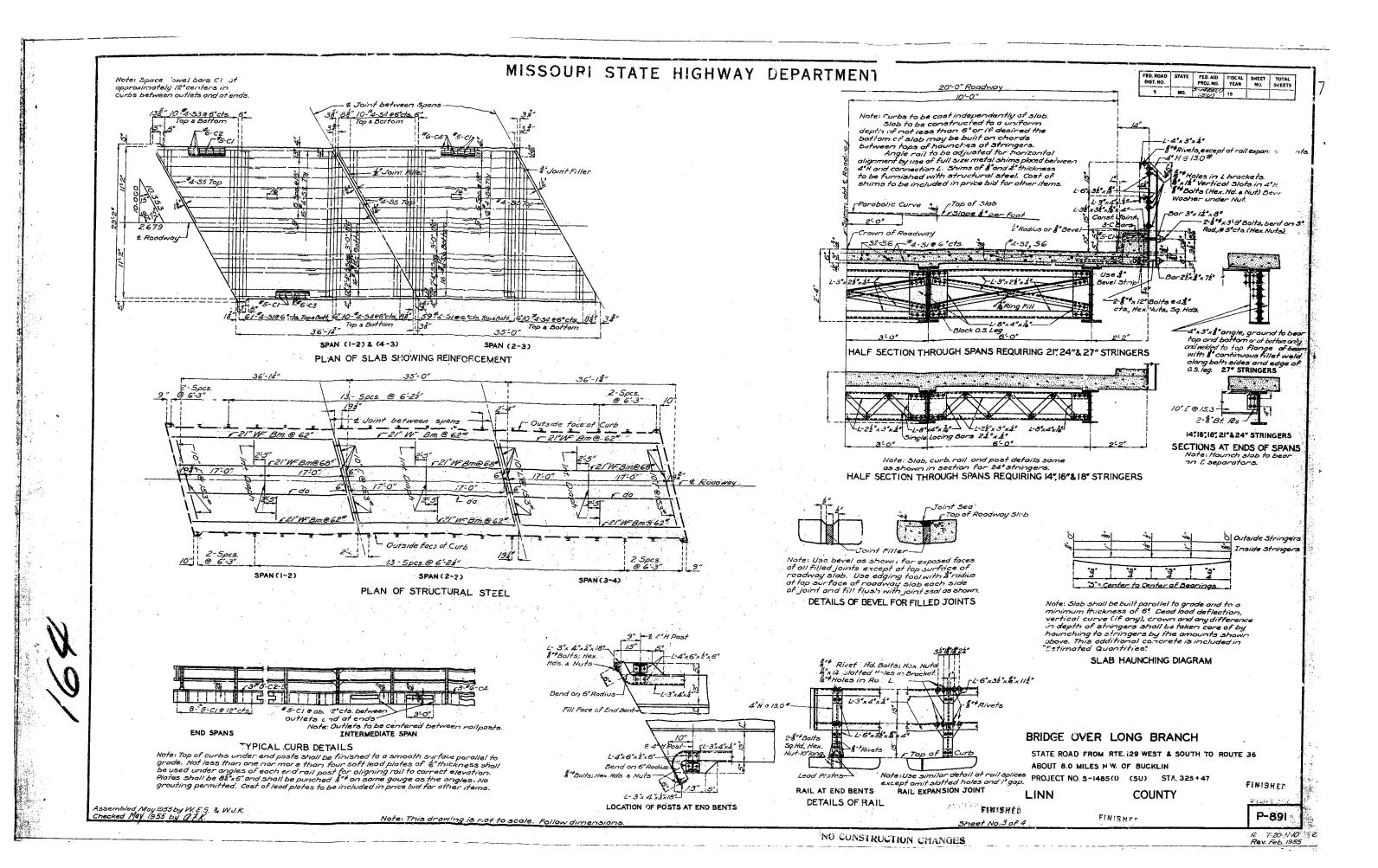
Steel File

NOTE: THIS DRAWING IS NOT TO SCALE, FOLLOW DIMENSIONS

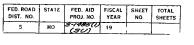
SHEET NO. / OF 4

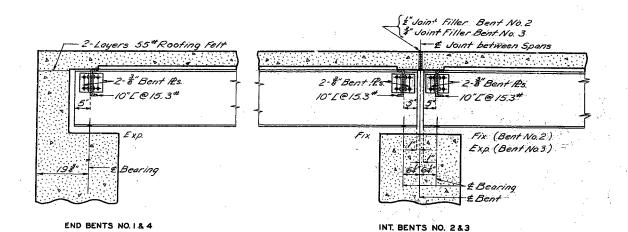


NO CUNSTRUCTION CHANGES

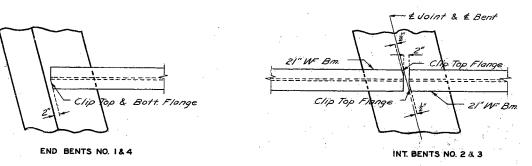




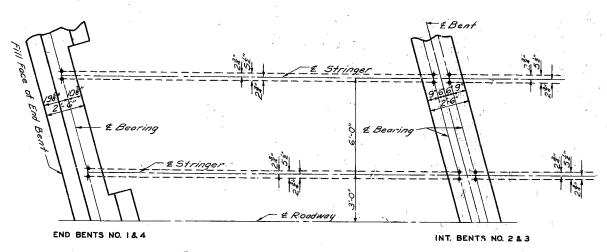




PART LONGITUDINAL SECTION NEAR &

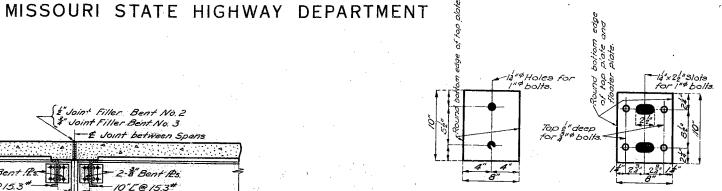


PART PLAN OF STRINGERS



PART ANCHOR BOLT PLAN

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



BOTTOM PLATES

Note: Plan of Fill Plate

same as plan of Top Casting. E" Fill P. Bt. No. 3 only - 2-3" Stud bolls - Hex. Nuls Note: 14"x22" slots to extend thru top plates, fill plates sliding segment and boltom flange of beam.

END ELEVATION-FIX.

END ELEVATION - EXP

TOP PLATES

Required: 12 Sets 8"x 10" Each set consists of 5 plates each. 4-8"*10" Fill Plates

GENERAL NOTES:

Finish all surfaces marked & Bearing castings shall be either gray Iron alloy or cast steel, but payment will be made as Gray Iron Alloy. All bolts and nuts shall be paid for as structural steel. Anchor bolts for castings shall be I* swedged bolts, no heads or nuts shall be above the top of castings but not higher than 4" below the top surface of the bottom flange of beam. Lead plates under bearings shall be approximately 8" in thickness and weight 8"/sq ft. Cost of lead plates shall be included in price bid for other items. Fill plates may be made a part of top castings if desired, but payment for fill plates will be made as structural steel.

Edge (1) to be rounded. (Rodius to to to to to the steel. Finish all surfaces marked X.

BRIDGE OVER LONG BRANCH

STATE ROAD FROM RTE. 129 WEST & SOUTH TO ROUTE 36 ABOUT 8.0 MILES N.W. OF BUCKLIN PROJECT NO. S-1485(1) (SU) STA. 325+47

FINISHED

LINN

COUNTY

FINISHED P-891

FINISHED

Assembled May 1955 by W.E.S. & W.J.K. Checked May 1955 by Q.F.K.

Sheet No. 4 of 4

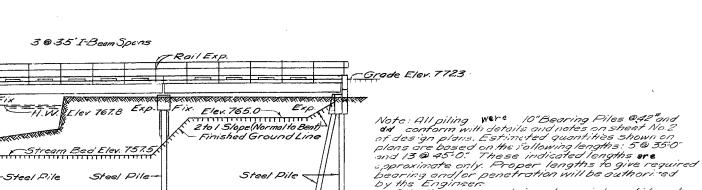
NO CONSTRUCTION CHANGES

All piles were driven to or into solid rock,

mi pies were direction of into 30 m 1002, boulders, shole, or comented gravel, or to not less than full length authorized and to sustain aloud of at least 30 ton per pile.

A gravity hammer wes used for driving.

Note: Steel Piles of End Bent No. | were coaled with a heavy coating of an approved bituminous mostic paint from the bottom of the



GENERAL ELEVATION

-Steel Pile

Note: Old roadway fill was removed to elevation 765.0 of Bent No. 4. Payment for this excavation outside the limits of excavation for substructure was mode of unit contract price for Koodway Excavation

 $(\tilde{3})$

bituminous mostic paint from the bottom of the concrete cap to a point 3 feet below the existing ground line. Steel piles of End Bent No.4 ground line. Steel piles of End Bent No.4 were so coated from the bottom of the concrete cap to a point 3 feet below the cap. Steel piles of Intermediate Bents No.2 and 3 were so coated from a point 1 foot above to a point 3 feet below finished ground line. In no case will it be required to place the coating ablow the water line. Payment for excavating around piles below present ground line and backfilling same, furnishing bituminous mostic point and cleusing and painting steel surfaces specified was included in the unit price bid for other items. # Beni # # Pile & Bent & & Pile 36-13" 36:13 107-32

PLAN

Proposed Structure Sto. 325+47-- TERODOWNY Previous Structure Was removed (See Special Provisions) t Propositi Channel Change (See Road Plans) Drsinsge Area 12 5q.Mi. (Rolling)

LOCATION SKETCH

GENERAL NOTES:

Design Specifications AA.S.H.O. 1953 Looding H10-44 Structural Steel Stress 18,000 4/a."

Reinforcing Steel Stress 18,000 *1.a." Class "B" Concerte Stress 1,000 *1.u.

Class "B" Conci se Stress 1,000"/2.

All concrete Was Class "B".

Isin of Shoppore, is suffices in accessible offer erection three coats one coat of red lead and surfaces in accessible offer erection three coats of red lead. No other point was applied by Contractor, exect as noted for steel ples. Red lead required was furnished by Contractor.

Payment for cleaning and pointing such surfaces was included in unit price bid for Fabricated Structural Steel.

Where joint filler is specified on the plans it did conform with the

Where joint tiller is specified on the plans it of conform with the requirements of Section 38-19A(I) hof the Standard Specifications for Fixmoultied Material for Filler.

For requirements on welding electrodes see Special Provisions.

Qualification of welding operators will be required.

Fixets \$7 holes \$7 except where otherwise noted.

Field connections Were riveted except as noted in handral details.

The Confractor desired to eliminate all field riveting on this project. he wied machine bolts except for the grivet head bolts specified for handrail. Heads and nuts of machine bolts were Animican Standard Regular

NOTE: THIS DRAWING IS NOT TO SCALE, FOLLOW DIMENSIONS

FED. ROAD STATE FED. AID FISCAL SHEET TOTAL DIST. NO. PROJ. NO. YEAR NO. SHEETS 5 MO. 5-198511 1956

End Bents No. 184 4 "6 270" HI BE. Woll 16 "6 259" H2 Beam 12 "6 7:3" H4 Wing 4 "6 5:9" H5 " 8 "6 9:3" 71 Wing 10-53 CUT 20 0-54 CUT: 28 "7 7:0" U1 Beam 16 "4 3:3" U2 " 112 "4 7:0" U3 " 12 "7 7:6" U4 " 12 "7 7:6" U5 " 96 "4 3:3" V1 BE. Woll 3:7" 20" 4-V2 CUT:						TIVAL PLANS
End Sent No. 184 4 *6 2400 H1 BE: Woll 6 *6 2479 H2 Beson 3 *6 259 H3 ** 12 *6 7:3" H4 Wing 4 *6 5:9" H5 ** 8 *6 9:3" 77 Wing 10-53 CUT 20 0 *54 CUT 8 *6 9:9" 72 23:0" 8 *6 8:9" 72 23:0" 8 *6 8:9" 72 23:0" 8 *6 8:9" 72 23:0" 8 *6 8:9" 72 23:0" 4 *8 *7 9:0" U1 Beom 16 *4 3:3" U2 ** 112 *17 7:0" U3 ** 12 *7 7:0" U5 ** 96 *4 3:3" V1 BE: Woll 3 *4 9:3" V2 Wing 4 *4 7:0" V3 ** 24 *4 7:0" V3 ** 25 *5 *6 29 61 Beom 16 *6 239 62 ** 25 *6 29 72 11-12 Superstructure 52 *5 29 * C1 Carb 6 *6 34:9 61 Carb 6 *6 34:9 61 Carb 7 *6 34:9 75 Carb 8 *4 8:9" 52 ** 25 *5 *6 34:9 Carb 6 *6 34:9 75 Carb 7 *6 34:9 Carb 8 *4 8:9" 52 ** 26 *4 8:9" 55 ** CI-UI-U2-U3-U4-U5-U6-U7 6 *4 22:9 55 ** CI-UI-U2-U3-U4-U5-U6-U7	,				~	. OF REINFORCING BILL
## #6 270 HI BE.Woll 6 #6 279 H2 Beam 3 #6 259 H3						Cutting Diagrams & Bending Sketch
#6 #6 27.9 H2 Beam 8 #6 25.9 H3						
8 *6 25.9 *H3 " 12 **6 7.3 *H4 Wing 4 **6 5.9 *H5 " 8 **6 8.9 *72 " 8 **6 8.9 *72 " 10-53 CUT 20 0-54 CUT 8 **6 8.9 *72 " 112 **4 7.0 " U3 " 12 **7 7.6 " U4 " 12 **7 7.6 " U4 " 12 **7 7.6 " U5 " 96 **4 3.3 " V Bt. Woll 3 **4 9.3 " V Bt. Woll 3 **4 9.3 " V Bt. Woll 3 **4 9.3 " V Bt. Woll 6 **6 23.9 62 " 8 **4 6.0 " U6 " 8 **4 3.3 " U7 " 25 **5 **5 ** Superstructure 52 **6 2.9 " C1 Curb 6 **6 3.49 C4 " 56 **6 3.49 C5 " 6 **6 3.49 C4 " 6 **6 3.49 C5 " 11-T2 C1-U1-U2-U3-U4-U5-U6-U7 6 **6 22.9 55 " C1-U1-U2-U3-U4-U5-U6-U7	4	46	24:0"	HI	BE.Woll	****** oo3" **
	16	# 6	27:9"	H2	Beam,	3-14 228
# #6 5:9" #6 " # #6 9:3" 77 Ming 10-53 CUT 20 C-54 CUT: # #7 9:0" 1/1 Beam # #7 9:0" 1/1 Beam # #8 3:3" U2 " # #7 7:0" U5 " # #8 3:3" V/2 Wing # #8 3:3" V/2 Beam # #8 3:3" V/2 Wing # #8 3:3" V/7 " # # #8 3:3"	.3	46	25:9"		"	
# #6 5:9" #6 " # #6 9:3" 77 Ming 10-53 CUT 20 C-54 CUT: # #7 9:0" 1/1 Beam # #7 9:0" 1/1 Beam # #8 3:3" U2 " # #7 7:0" U5 " # #8 3:3" V/2 Wing # #8 3:3" V/2 Beam # #8 3:3" V/2 Wing # #8 3:3" V/7 " # # #8 3:3"	12	#6	7-3"	114	Wing	20 20 20 20 20 20 20 20 20 20 20 20 20 2
8 #6 9:3" 77 Wing 8 #6 8:9" 72 " #8 "7 9:9" UI Beam 16 #4 7:0" US " 112 #4 7:0" US " 12 "7 7:6" U4 " 12 "7 7:0" U5 " 12 "7 7:0" U5 " 13 " 44 7:0" V3 " 14 #4 7:0" V3 " 15 #4 9:3" V2 Wing 4 #4 7:0" V3 " 16 #6 2:9" 61 Beam 16 #6 2:9" 61 Beam 17 #6 2:9" 61 Beam 18 #4 3:3" U7 " 18 #4 3:3" U7 " 19 #4 3:3" U7 " 19 #4 3:3" U7 " 19 #4 3:3" U7 " 10 *54 V5 **Superstructure 52 #5 2:9" C1 Curb 6 #6 3:49 C4 " 6 #6 3:49 C4 " 6 #6 3:49 C4 " 75 #6 3:49 C5 " 76 #6 3:40 C5 "	4	45	5:9"		,,	
8 *6 8.9 72 28 *7 9.9° V Beam 16 *4 7.0° V 3 " 12 *7 7.0° V 5 " 29 *4 7.0° V 5 " 24 *7 7.0° V 5 " 24 *7 7.0° V 5 " 25 *4 7.0° V 5 " 26 *2 3.3° V 1 BE Wolf 3 *4 7.0° V 5 " 27 *4 7.0° V 5 " 28 *4 7.0° V 5 " 29 *4 7.0° V 5 " 20 *4 7.0° V 5 " 21 *4 7.0° V 5 " 22 *4 7.0° V 5 " 23 *4 7.0° V 5 " 24 *4 7.0° V 5 " 25 *5 *6 8.9° G 1 Beam 10 *6 2.9° G 1 Beam 10 *6 2.9° G 1 Beam 11 - 12 Superstructure 52 *6 2.9° C 1 Curb 5 *6 3.49 C 4 " 5 *6 3.49 C 5 5 5 5 6 6 6 6 6 6 6 7 6 7 6 7 6 7 6 7						
## ## ## ## ## ## ## ## ## ## ## ## ##	8	#6			Wing	10-53 CUT 20 0-54 CUT
## "7 5-0" [] Beom 6	8	4 6	8.9"	72	7	
## "7 5-0" [] Beom 6						2-8="15=" 0" 5"
112 "4 7.0" U3 "		*7		01	Beam	
2 "7 76" UA " 12 "7 70" US " 33"		#4			"	
2	112	4	7:0"	U3	″	6.6 5 2.8 5" 5.2 42
12 "7 70 05 " 96 "4 3.3" VI BE Woll 3 "4 70 V3 " 24 "4 70 V3 " 24 "4 70 V3 " 24 "4 70 V3 " 26 "4 3.3" VI Beom 11. 3ent : Nc 2#5 4 "6 2.9" 61 Beom 6 "6 23.9 62 " 28 "4 6.0" 06 " 5 "4 3.3" 07 " Superstructure 52 "5 29" C1 Curb 6 "6 34.9 C4 " 56 "4 22.0" 51 510b 128 "4 18.9" 52 " 20 "4 28.0" 53 " 20 "4 28.0" 55 "	12	17			~	9:3" 62:112
3 *4 93 V2 Wing 4 *4 70 V3 " 24 *4 3.9 V4 Beam Int. 3ent : Nc. 2#3 4 *6 2.9 61 Beam 16 *6 23.9 62 " 28 *4 6.0 V6 " 3 *4 3.3 V7 " 28 *4 6.0 V6 " 3 *4 3.3 V7 " 28 *4 6.0 V6 " 3 *5 V6 8 *4 3.3 V7 " 28 V8 Superstructure 52 *5 29 C1 Curb 6 *C 350 C2 " 6 *C 350 C3 " 6 *6 34.9 C4 " 362 *4 220 51 516b 128 *4 18.9 52 " 20 *4 220 53 S1 20 *4 20 S1 20 *4	12	*7			<u> </u>	
4 44 70 13 " 24 4 3:9" 14 Boom Int. 3ent: Ne. 2#3 4 46 2:9 61 Boom 16 6 239 62		41	3:3"]
24 "4 5:9" 4 800m Int. 3ent: Nc 2#5 A "6 2:9" 6 800m 6 "6 23.9 62 25 10 10 10 10 10 10 10 1	3	41	9:3"	12	Wing	
nt. 3ent : Ne 243 4 *6 2:9 61 Beam 16 *6 2:39 62 Beam 25 46 60 'U6 " 5 *4 6:0 'U6 " 5 *4 6:0 'U6 " 5 *4 5:3 U5 Superstructure 5 *2 *5 2:9 C1 Gurb 6 *C 5 ** C2 " 6 ** C 5 ** C2 " 7 ** C 5 ** C2 " 8 *4 8:9 C4 " 8 *6 *4 220 51 510b 12 *4 8:9 52 " 20 *4 25:0 54 " CI-UI-U2-U3-U4-U5-U6-U7 6 *4 25:9 55 "					"	CO2"5"31"71
#6 2:9 61 Beam 16 "6 239 62 " 28 "4 6-0" 06 " 3 "4 3:3" 07 " 20:05 Superstructure 52 "6 29 C1 Curb 6 "6 3:5" 62 " 6 "6 3:49 C4 " 362 "4 220" 51 510b 120 "4 230 53 " 100 "4 230 53 " 100 "4 230 54 " 11-12 CI-UI-U2-U3-U4-U5-U6-U7	24	44	3:9"	14	Beam	N 3:01 2:61 TZ
#6 2:9 61 Beam 16 "6 239 62 " 28 "4 6-0" 06 " 3 "4 3:3" 07 " 20:05 Superstructure 52 "6 29 C1 Curb 6 "6 3:5" 62 " 6 "6 3:49 C4 " 362 "4 220" 51 510b 120 "4 230 53 " 100 "4 230 53 " 100 "4 230 54 " 11-12 CI-UI-U2-U3-U4-U5-U6-U7			i			
10 "6 239 62 "25 U7 "25 U7 "25 U5						WIN (MA)
88 44 6:0° U6 " 54 U6 " 705 U5	$\overline{}$		L			
8 4 3.3 UT " 20.00 US						4 1137/17
Superstructure 52 *5 29 ° C C urb 6 *6 36 ° C 2 ° C C 3 ° C C 3 ° C C C C C C C C C C C						
Superstructure 52 **5 29 ** C1 Carb 6 **6 350 C2 6 **6 349 C4 362 **4 220 51 516b 128 **4 189 52 10 **4 230 54 C1-U1-U2-U3-U4-U5-U6-U7	8	41	3:3"	07	~	
Superstructure 52 *6 29 °C Curb 50 *C 550 °C Curb 6 *C 550 °C Corb 7 *6 349 °C " 8 *6 349 °C						20504
52 #5 29" C/ Gurb 6 #C 35" C2 " 5 #6 349 C4 " 6 #6 320 51 510b 128 #1 899 52 " 20 #1 229 55 " CI-UI-U2-U3-U4-U5-U6-U7				1	<u> </u>	3-83-031 TI-T2
6 *C 350 C2 " 32 C1 6 *C 20 C3 " 362 C1 6 *6 349 C4 " 362 C1 28 *4 189 52 " 366 C1 C1-U1-U2-U3-U4-U5-U6-U7 6 *4 229 55 " C1-U1-U2-U3-U4-U5-U6-U7						
6 " 6 34'9 C4 " 362 " 4 22'0 5/ 5/06 128 " 4 18'9 52 " 20 " 4 23'0 5 4 " 30 " 4 23'0 5 4 " CI-UI-U2-U3-U4-U5-U6-U7						
5 #6 34.9 CA " 562 #4 220" 5/ 5/06 128 #4 18:9 52 " 10 #4 28:0 53 " 10 #4 28:0 54 " CI-UI-U2-U3-U4-U5-U6-U7					 	<u>₹2 C/</u>
362 ** d 220 5/ 5/0b					 	LYDOLANGIA SI
128 "4 18:9" 52 " 20 "4 24:0" 53 " 40 "4 23:0" 54 " CI-UI-U2-U3-U4-U5-U6-U7 6 "4 22:9" 55 "		.,				1 1 9 9 3 3 3 3 5 5 5 5
20 ° 20 ° 53 ° CI-UI-U2-U3-U4-U5-U6-U7 6 ° 20 ° 22:9 ° 55 ° CI-UI-U2-U3-U4-U5-U6-U7						and the state of t
10 41 28'0 51 " CI-UI-U2-U3-U4-U5-U6-U7 6 41 22'9 55 "			+		<u> </u>	
6 4 22.9 55 "		<u> </u>				1
					<u> </u>	(1-01-02-03-04-05-06-07
64 74 18-0 56 "						4
	64	44	18:0"	56	-	4
			Ļ	⊢		4

FINAL	CUANTITI	E S		
ltem.	-	Substr.	Superstr.	Total
Class I Excavation for Structu				32.0
Closs B" Corcrete	Cu.Yds.	40.0		914
Fabricated Structural Steel	1.65.	1800	36940	38740
Gray Iron Alloy Costings	1.05.		12801	12804
Reinforcing Steel	165.		10110	14720
Steel Pile in Place	Lin. Ft		L	7884/
Steel Pile Cut-offs.	Lin.Ft.	28	<u></u>	23"
		<u> </u>		L

Note: Aliexcovation for bridge WAS poid for as Class !

Exception for Structures.

Weight of Fabricated Structural Steel

Weight of Fabricated Structural Steel weight of trobricated Structural Steel in substructure consists of weight of angles for Bents 243.

The pay weight for fabricated Structural Steel was based on using field rivets except for botted connections specified for hand oil.

B.M. Elex 7655 Nail & Wosher in South East Side 10' Willow ± 120'Lt. Sto 325+14 (U.S.G.S. Datum)

BRIDGE OVER LONG BRANCH

STATE ROAD FROM RTE 129 WEST AND SOUTH TO RTE 36 1 4 1 14 15 7 ABOUT 8.0 MILES N.W. OF BUCKLIN

PROJECT NO. S-1485,1) (SU) STA. 325+47

LINN

COUNTY

SIGNATION OF A CATELLIAMENS DATE 6/1/1955 APPROVED BY PRAY M. Whaten DATE 6/1/1955

FINISHED

FINISHER STUCHL R3

P-891

FINAL PLANS

DRAWN May 1955 BY W.E.S. CHECKED / 5, 1955 BY

Grade Elev. 7723

- Elev. 765.0

Ground Line (1955)

Steel Pile

2 to | Slope (Normal to Bent

FINISHED



June 25, 2024 10:14:34AM

COUNTY: LINN DISTRICT: NW CLASS: STATBR FED-ID: 7958 BRIDGE: P0891

GENERAL STRUCTURE INFORMATION ***BRIDGE INSPECTION INFORMATION*** **ROUTE: RTUS** # **SPANS**: 3 PLACE CODE: 09406 BUCKLIN **RESPONSIBILITY: DISTRICT DATE:** 09/20/2022 LANES ON: 1 FEATURE: LONG BR LENGTH: 107 FT 0 IN FREQUENCY: 24 **CALCULATED INTERVAL**: 24** LANES UNDER: 0 **STATUS:** P-POSTLOAD **MAXIMUM SPAN: 36 FT 2 IN TEAM LEADER: KEVIN RAITHEL ELEMENT: NO LOG MILE:** 7.119 **COMPASS DIRECTION:** SOUTH to NORTH APPROACH ROADWAY: 20 FT 0 IN **INSPECTOR 2: INSPECTOR 4: DETOUR: 26.00 MILES DIRECTION OF TRAFFIC: 1-LN/2-WAY CURB TO CURB: 20 FT 0 IN INSPECTOR 3: OUT TO OUT: 22 FT 4 IN** NHS: NO **FUNCTIONAL CLASS: RL-MINOR COLLECTOR** ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. **BUILT:** 1955 **NBI OWNER: MODOT AADT: 298 GENERAL INSPECTION COMMENTS** REHAB: **NBI MAINTAINED: MODOT AADT YEAR: 2023** MAINTENANCE DISTRICT: NW LOCATION: S 17 T 58 R 18 W **AADT TRUCK: 21.6% LATITUDE:** 39 50 47.25 (DMS) **MAINTENANCE COUNTY: LINN FUTURE AADT: 373 LONGITUDE:** 92 56 38.64 (DMS) SUB AREA: 7A02 **FUTURE AADT YEAR: 2043** ***INDEPTH INSPECTION INFORMATION*** ***FRACTURE CRITICAL INSPECTION INFORMATION*** DATE: RESPONSIBILITY: **CATEGORY: CATEGORY:** DATE: **RESPONSIBILITY: FREQUENCY: CALCULATED INTERVAL**: NBI**: **FREQUENCY: CALCULATED INTERVAL**: NBI**: **TEAM LEADER: INSPECTOR 3: METHOD: TEAM LEADER: INSPECTOR 3: METHOD: INSPECTOR 2: INSPECTOR 4: INSPECTOR 2: INSPECTOR 4:** ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. ** 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:** 03/09/2022 **CATEGORY:** CHANNEL CROSS SECT **CATEGORY: DRY RESPONSIBILITY: DISTRICT DATE:** 09/20/2022 **RESPONSIBILITY: DISTRICT NBI:** NO FREOUENCY: 60 NBI: NO FREOUENCY: 72 CALCULATED INTERVAL**: 6 CALCULATED INTERVAL**: 24 **TEAM LEADER: SCOTT STEPHENS TEAM LEADER: KEVIN RAITHEL INSPECTOR 3: METHOD:** WT TAPE **INSPECTOR 3: METHOD: VISUAL INSPECTOR 2: INSPECTOR 4: INSPECTOR 2: INSPECTOR 4:** * When calculated interval exceeds the frequency, a justification comment per BIRM is required. ** 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 **DATE FREQUENCY CATEGORY** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD** DATE **FREQUENCY CATEGORY** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD**



June 25, 2024 10:14:34AM

COUNTY: LINN DISTRICT: NW

CLASS: STATBR

FED-ID: 7958

BRIDGE: P0891

- COUNTI EININ	DISTRICT	CEASS.	3 11 11 21 1	TED-ID.	7750 BRIDGE, 1 0071	
			STRUCTURE	POSTING		
APPROVED CATEGORY: S-5	CENTERLINE OF BRIDGE A	ND TRUCKS OVER 15 TONS 15 N	MPH ON BRIDGE.			
Ton 1: 15	Ton 2:	Ton 3:				
COMMENTS: (RAITHK	, 09/28/2022)INTACT					
FIELD CATEGORY: S-5		ND TRUCKS OVER 15 TONS 15 M			DD 0 D- D-1 D-1 D-1 D-1 D-1 D-1 D-1 D-1 D-1	
Ton 1: 15 COMMENTS: (RAITHK	Ton 2: . 09/28/2022)INTACT	Ton 3:	PR	OBLEM:	PROBLEM DIRECTION:	
	, , , , , , , , , , , , , , , , , , , ,	***GENERA	L COMMENTS/M	AJOR RATED ITI	EMS***	
GENERAL COMMENTS: (BOWDEJ1, 1	2/10/2009)(36'-35'-36') SMP WF GDR	SPANS				
[ITEM 58] DECK	: 4-POOR CONDITION	COMMENTS: (STEPHS2,	09/18/2020)FULL DE	PTH PATCHES AND SA	ATURATION THROUGHOUT.	
RATING	: 09/18/2020					
	: 5-FAIR CONDITION : 09/27/2018	COMMENTS: (STEPHS2,	09/27/2018)RUSTING	TOP FLANGE DECK	LIFTING	
	: 6-SATISFACTORY CONDITION : 09/30/2014	COMMENTS: (STEPHS2,	09/27/2018)RUSTY P	ILING, PAINTED 2016		
[ITEM 61] BANK/CHANNEL RATING	: 5-MAJOR DAMAGE : 09/30/2014	COMMENTS: (BOWDEJ1	, 11/30/2004)LEVEE 1	DWSTR RESTRICTING	G FLOW (MINOR)	
[ITEM 113] SCOUR	: 8-STABLE FOR CALCULATED	COMMENTS:				
RATING	: 05/18/2001					
EVALUATION TYPE	:					
[ITEM 71] WATERWAY ADEQUACY RATING	: DECK/APPRCH OVERTOP SLIGT : 05/18/2001	COMMENTS:				
[ITEM 72] APPRRDWY ALIGNMENT	: 6-SATISFACTORY	COMMENTS:				
	: 05/18/2001					
		RAILING AND APPR	ROACH PAVEMEN	T COMPONENTS	S AND RATINGS	
[ITEM 36A] BRIDGE RAILING RA	TING: DOESNT MEET CURRNT STNI	P-0 RATING : 1	2/31/2002 COM	MENTS:		
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u> <u>COM</u>	<u>IMENTS</u>			
STEEL	ANGLE-DOUBLE	ВОТН				
REINFORCED CONCRETE	CURB	ВОТН				
[ITEM 36B] TRANSITION RAILING RA	TING: NOT PROVIDED-0	RATING: 0	5/18/2001 COM .	MENTS:		
[ITEM 36C] APPROACH RAILING RA	TING: NOT PROVIDED-0	RATING: 0	5/18/2001 COM .	MENTS:		
[ITEM 36D] RAIL END TREATMENT RA	TING: NOT PROVIDED-0	RATING: 0	5/18/2001 COM	MENTS:		
Design No = D0001	III.G. NOI I ROYIDED-0	KAIING: 0	5/10/2001 COM .	MENIO.		

June 25, 2024 10:14:34AM

COUNTY: LINN DISTRICT: NW CLASS: STATBR FED-ID: 7958 BRIDGE: P0891 APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below. **MATERIAL CONSTRUCTION DIRECTION CONDITION* COMMENTS ASPHALT BITUMINOUS MAT BOTH FAIR** (MENEET, 11/17/2011)--PAVEMENT IS BREAKING UP. ***DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS*** **DECK PROTECTIVE COMPONENTS:** SERIES TYPE-# **COMPONENT MATERIAL CONSTRUCTION OVERALL CONDITION THICKNESS** YEAR APPLIED MANUFACTURE MAIN SERIES-1 WEARING SURFACE **ASPHALT** CINDER SEAL POOR**COMMENT:** DECK PROTECTION *NOTAPPLICABLE* NONE **COMMENT: NONE** *MEMBRANE NOTAPPLICABLE* **COMMENT: DRAINAGE COMPONENTS: COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS DRAINAGE** REINFORCED CONCRETE CURB OUTLET **DRAINAGE** ASPHALTDRAIN BASIN-END BENT **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 ROCKRIP RAP BOTH***DECK COMPONENTS*** SPAN TYPE-# **COMPONENT MATERIAL CONSTRUCTION COMMENTS** MAIN SPANS-1 DECKREINFORCED CONCRETE CAST-IN-PLACE (GOODMJ1, 12/31/2002)--DECK BOLTED **CONDITION LOCATION 2** LOCATION 1 **SEVERITY MEASUREMENT COMMENT XTERIOR GIRDER BOLTED** AT ABUTMENTS **DETERIORATION EDGE** HEAVY **EFFLORESCENCE** THROUGHOUT MINOR 10 % **FULL DEPTH PATCHES** THROUGHOUT FEW **MODERATE** 30 % SATURATION RANDOM **SCALING** THROUGHOUT LIGHT **SPALLS** RANDOM **SMALL** TRANSVERSE CRACKS MANY THROUGHOUT

Design_No = P0891

MAIN SPANS-2

DECK

REINFORCED CONCRETE

CAST-IN-PLACE

June 25, 2024 10:14:34AM

MODOT			Department of Transpo			June 25, 10:14:3
COMMENT			Bridge Inspection Repo		DDVD GE D0004	
COUNTY: L			: STATBR	FED-ID: 7958	BRIDGE: P0891	
<u>CONDITION</u>	<u>LOCATION 1</u>	· · · · · · · · · · · · · · · · · · ·	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>	
BOLTED	AT INTERMEDIATE	E BENT	XTERIOR GIRDER			
DETERIORATION		IT	HEAVY			
EFFLORESCENC FULL DEPTH PATCE			MEDIUM	20.0/		
FULL DEPTH PATCE SATURATION	HES THROUGHOU RANDOM) I	FEW HEAVY	20 % 50 %		
SCALING	THROUGHOU	TT.	LIGHT	30 70		
SPALLS	RANDOM	<i>,</i> 1	SMALL			
TRANSVERSE CRAC		JT	MANY			
MAIN CDANC 2	DECV DE	INFORCED CONCRETE	CAST IN DIACE			
MAIN SPANS-3	DECK REA Location 1		CAST-IN-PLACE	MEASUREMENT	COMMENT	
<u>CONDITION</u>	·		<u>SEVERITY</u>		<u>COMMENT</u>	
BOLTED DETERIORATION	AT ABUTMEN' EDGE	15	XTERIOR GIRDEF HEAVY			
EFFLORESCENCE		ľΤ	MODERATE			
SATURATION	RANDOM	01	HEAVY	50 %		
SCALING	THROUGHOU	JT	LIGHT	30 70		
SPALLS	RANDOM		SMALL			
TRANSVERSE CRAC		JT	MANY			
SERIES TYPE-#	SPAN TYPE		UPERSTRUCTURE COM ONSTRUCTION	PONENTS*** LABEL	COMMENTS	
		MAILKIAL	<u>UNSTRUCTION</u>	LADEL	COMMENTS	
		STEFI WIDE	FELANGE GIRDERS			
MAIN SERIES-1	SIMPLE SPAN		E FLANGE GIRDERS			
MAIN SERIES-1 SPAN	SIMPLE SPAN COMPOSITE INDICATOR LEN	NGTH WEATHERING STEEL O	E FLANGE GIRDERS C OMMENTS			
MAIN SERIES-I SPAN MAIN SPANS-1	SIMPLE SPAN COMPOSITE INDICATOR NON-COMPOSITE 36 F	NGTH WEATHERING STEEL OF NO	<u>COMMENTS</u>	MFASUREMENT	COMMENT	
MAIN SERIES-1 SPAN MAIN SPANS-1 CONDITION	SIMPLE SPAN COMPOSITE INDICATOR LEN NON-COMPOSITE 36 F LOCATION 1	NGTH WEATHERING STEEL OF NO	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u> (MENEET 11/23/2011)EXT GIRDERS	
MAIN SERIES-1 SPAN MAIN SPANS-1 CONDITION DECK LIFTING	SIMPLE SPAN COMPOSITE INDICATOR NON-COMPOSITE LOCATION 1 GIRDERS	NGTH WEATHERING STEEL OF NO LOCATION 2	<u>SEVERITY</u> MINOR	<u>MEASUREMENT</u>	<u>COMMENT</u> (MENEET, 11/23/2011)EXT. GIRDERS.	
MAIN SERIES-1 SPAN MAIN SPANS-1 CONDITION DECK LIFTING PACK RUST	SIMPLE SPAN COMPOSITE INDICATOR LEN NON-COMPOSITE 36 F LOCATION 1 GIRDERS THROUGHOU	NGTH WEATHERING STEEL OF NO LOCATION 2	<u>SEVERITY</u> MINOR MODERATE	<u>MEASUREMENT</u>		
MAIN SERIES-1 SPAN MAIN SPANS-1 CONDITION DECK LIFTING	SIMPLE SPAN COMPOSITE INDICATOR NON-COMPOSITE LOCATION 1 GIRDERS	NGTH WEATHERING STEEL OF NO LOCATION 2	<u>SEVERITY</u> MINOR	<u>MEASUREMENT</u>		
MAIN SERIES-1 SPAN MAIN SPANS-1 CONDITION DECK LIFTING PACK RUST SECTION LOSS	SIMPLE SPAN COMPOSITE INDICATOR NON-COMPOSITE LOCATION 1 GIRDERS THROUGHOU TOP FLANGE	NGTH WEATHERING STEEL OF NO LOCATION 2	<u>SEVERITY</u> MINOR MODERATE	<u>MEASUREMENT</u>		
MAIN SERIES-1 SPAN MAIN SPANS-1 CONDITION DECK LIFTING PACK RUST SECTION LOSS MAIN SPANS-2	SIMPLE SPAN COMPOSITE INDICATOR NON-COMPOSITE GIRDERS THROUGHOU' TOP FLANGE NON-COMPOSITE 35 F	NGTH WEATHERING STEEL FT 2 IN NO LOCATION 2 T FT 0 IN NO	COMMENTS SEVERITY MINOR MODERATE MEDIUM		(MENEET, 11/23/2011)EXT. GIRDERS.	
MAIN SERIES-1 SPAN MAIN SPANS-1 CONDITION DECK LIFTING PACK RUST SECTION LOSS MAIN SPANS-2 CONDITION	SIMPLE SPAN COMPOSITE INDICATOR LEN NON-COMPOSITE 36 F LOCATION 1 GIRDERS THROUGHOU' TOP FLANGE NON-COMPOSITE 35 F LOCATION 1	NGTH WEATHERING STEEL FT 2 IN NO LOCATION 2 T FT 0 IN NO	SEVERITY MINOR MODERATE MEDIUM SEVERITY	MEASUREMENT MEASUREMENT	(MENEET, 11/23/2011)EXT. GIRDERS. <i>COMMENT</i>	
MAIN SERIES-1 SPAN MAIN SPANS-1 CONDITION DECK LIFTING PACK RUST SECTION LOSS MAIN SPANS-2 CONDITION DECK LIFTING	SIMPLE SPAN COMPOSITE INDICATOR LEN NON-COMPOSITE 36 F LOCATION 1 GIRDERS THROUGHOU' TOP FLANGE NON-COMPOSITE 35 F LOCATION 1 GIRDERS	NGTH WEATHERING STEEL TO IN NO LOCATION 2 TO IN NO LOCATION 2	SEVERITY MINOR MODERATE MEDIUM SEVERITY MINOR		(MENEET, 11/23/2011)EXT. GIRDERS.	
MAIN SERIES-1 SPAN MAIN SPANS-1 CONDITION DECK LIFTING PACK RUST SECTION LOSS MAIN SPANS-2 CONDITION	SIMPLE SPAN COMPOSITE INDICATOR LEN NON-COMPOSITE 36 F LOCATION 1 GIRDERS THROUGHOU' TOP FLANGE NON-COMPOSITE 35 F LOCATION 1	NGTH WEATHERING STEEL TO 2 IN NO LOCATION 2 TO STEEL OF TO 1 NO LOCATION 2 TO STEEL OF TO 1 NO LOCATION 2	SEVERITY MINOR MODERATE MEDIUM SEVERITY		(MENEET, 11/23/2011)EXT. GIRDERS. <i>COMMENT</i>	
MAIN SERIES-1 SPAN MAIN SPANS-1 CONDITION DECK LIFTING PACK RUST SECTION LOSS MAIN SPANS-2 CONDITION DECK LIFTING PACK RUST	NON-COMPOSITE 35 F NON-COMPOSITE 35 F LOCATION 1 GIRDERS THROUGHOU' TOP FLANGE NON-COMPOSITE 35 F LOCATION 1 GIRDERS THROUGHOU' TOP FLANGE THROUGHOU' TOP FLANGE	NGTH WEATHERING STEEL TO 2 IN NO LOCATION 2 TO STEEL TO IN NO LOCATION 2 TO T	SEVERITY MINOR MODERATE MEDIUM SEVERITY MINOR MODERATE MEDIUM		(MENEET, 11/23/2011)EXT. GIRDERS. <i>COMMENT</i>	
MAIN SERIES-1 SPAN MAIN SPANS-1 CONDITION DECK LIFTING PACK RUST SECTION LOSS MAIN SPANS-2 CONDITION DECK LIFTING PACK RUST SECTION LOSS SECTION LOSS	NON-COMPOSITE 35 F LOCATION 1 GIRDERS THROUGHOU' TOP FLANGE NON-COMPOSITE 35 F LOCATION 1 GIRDERS THROUGHOU' TOP FLANGE THROUGHOU' THROUGHOU' TOP FLANGE	NGTH WEATHERING STEEL TO IN NO LOCATION 2 TO IN NO LOCATION 2 TO IT TO	SEVERITY MINOR MODERATE MEDIUM SEVERITY MINOR MODERATE MEDIUM		(MENEET, 11/23/2011)EXT. GIRDERS. <i>COMMENT</i>	
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COUNTY: LINN	DISTRICT: NW	CLASS: STATBR	FED-I	D: 7958	BRIDGE: P0891
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</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>
PILING	STEEL	H-SHAPE	CELEDIEN	ME ACUDEMENT	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
STRAIGHT WINGS <i>CONDITION</i>	REINFORCED CONCRETE <i>LOCATION 1</i>	CAST-IN-PLACE <i>LOCATION 2</i>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
EXPANSION BEARING	STEEL	SLIDING CURVED/FLAT PL	<u>SEVERITI</u>	MEASUREMENT	COMMENT
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
PACK RUST	THROUGHOUT	<u> </u>	MODERATE		
BENT-2 RA-15 DEGREES	22 FT 2 IN REINFORCED CONCRETE	PILE CAP			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	SEVERITY	MEASUREMENT	<u>COMMENT</u>
ASSOCIATED COMPONENT	<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>
SCALING SCALING	THROUGHOUT	ANGLE	LIGHT		
CROSS BRACING <i>CONDITION</i>	STEEL <i>LOCATION 1</i>	ANGLE <i>LOCATION 2</i>	SEVERITY	MEASUREMENT	COMMENT
PILING	STEEL	H-SHAPE	SEVERITI	MEASUREMENT	COMMENT
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
RUSTING	GROUND LINE	<u> </u>	LIGHT	MILITIO CILLINIEI VI	COMMENT.
RUSTING	THROUGHOUT		LIGHT		(STEPHS2, 09/27/2018)PAINTED 2016
EXPANSION BEARING	STEEL	SLIDING CURVED/FLAT PLA			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
PACK RUST	THROUGHOUT		MODERATE		
BENT-3 RA-15 DEGREES	22 FT 2 IN REINFORCED CONCRETE	PILE CAP	GELVED I TO	16E (GVDELGEVE	COLUMNIT
CONDITION ASSOCIATED COMPONENT	<u>LOCATION 1</u>	<u>LOCATION 2</u> CONSTRUCTION	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
<u>ASSOCIATED COMPONENT</u> BEAM CAP	<u>MATERIAL</u> REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
SCALING	THROUGHOUT	<u>= 0 0.1110=</u>	LIGHT		
CROSS BRACING	STEEL	ANGLE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
PILING	STEEL	H-SHAPE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
RUSTING	GROUND LINE		MODERATE		(OTEDNICA 00/05/2010), DA DITED 2017
RUSTING EXPANSION BEARING	THROUGHOUT STEEL	SLIDING CURVED/FLAT PL	LIGHT		(STEPHS2, 09/27/2018)PAINTED 2016
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
PACK RUST	THROUGHOUT	<u> </u>	MINOR	MILITIO CILLINIEI VI	COMMENT.
11101111001	111110 0 0110 0 1		1,111,1011		
ABUTMENT-4 RA-15 DEGREES	26 FT 0 IN REINFORCED CONCRETE	NON-INTEGRAL			
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</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>
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE	ant	160 / 6000	
<u>CONDITION</u>	LOCATION 1	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
VERTICAL CRACK	THROUGHOUT		FEW		

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COUNTY: LINN DISTRICT: NW CLASS: STATBR FED-ID: 7958 BRIDGE: P0891

CONDITION

ROUTE

STEEL

PILING

MODOT

H-SHAPE

LOCATION 2

SEVERITY

STRAIGHT WINGS

REINFORCED CONCRETE

LOCATION 1

MEASUREMENT COMMENT

CONDITION

LOCATION 1

SEVERITY

MEASUREMENT COMMENT

EXPANSION BEARING

STEEL

SLIDING CURVED/FLAT PLA

CONDITION PACK RUST

LOCATION 1 THROUGHOUT **LOCATION 2**

CAST-IN-PLACE

LOCATION 2

SEVERITY

<u>MEASUREMENT</u> <u>COMMENT</u>

MEDIUM

OVER/UNDER ROUTES CLEARANCE INFORMATION

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

RECORD#

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

DIRECTION OF TRAFFIC

RIGHT LATERAL CLEARANCE

LEFT LATERAL CLEARANCE

UR-ID

DEPARTMENT REPAINT

VERTICAL CLEARANCE TYPE**

VALUE

LANES

DIRECTION

DATE

COMMENT

STRUCTURE PAINT INFORMATION

CONDITION:

FAIR

RUST AMOUNT: 7 = .2% OF SURFACE RUSTED

STEEL TONS: 20

ORIGINAL PAINT

PAINT TYPE:

CONTRACT REPAINT

PAINT TYPE: C SYSTEM **NAME:** INORGANIC ZINC/VINYL **MANUFACTURE: SURFACE PREP:**

NAME: **PAINT COLOR:**

PAINT TYPE:

NAME: **PAINT COLOR:**

PAINT COLOR: GREEN

PAINT YEAR: MILS: **PAINT YEAR:** MILS: PAINT YEAR: 1987

MILS: 7

REOUESTED WORK ITEMS

GENERAL WORK COMMENTS:

Design No = P0891

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COUNTY: LINN

DISTRICT: NW

CLASS: STATBR

FED-ID: 7958

BRIDGE: P0891

RESPONSIBILITY LOCATION ITEM CATEGORY PRIORITY DATE WORK ITEM COMMENT

UTILITY ATTACHMENTS

VALUE

UTILITY OWNER METHOD MEASUREMENT TYPE

NUMBER

UTILITY ATTACHMENT COMMENT

PROGRAM NOTES INFORMATION

YEAR PROJECT # MONTH LET YEAR LET ITEMS

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#	SIGN TYPE	PROBLEM	PROBLEM DIRECTION	
Rated Item	<u>Rating</u>	Rating Date	1	YIELD TO ONCOMING TRAFFIC			
[Item 67] Structure Evaluation Rating:	4-MEETS MINIMUM TOLERABLE	3/19/2002	2	B - ONE LANE BRIDGE			
[Item 68] Deck Geometry Rating:	4-MEETS MINIMUM TOLERABLE	9/24/2020					
[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001					
Sufficiency Rating:	50.0%	3/7/2024					
Deficiency:	STRUCTURAL	9/24/2020					
Funding Eligibility:		***OUTFALL INSPECTION INFORMATION***					
Estimated New Structure Length:			" OLITECATIO	nyopp.	CTOR		
Estimated Structure Cost:			# OUTFALLS	: INSPE	CTOR:		
Estimated Total Project Cost:			STATUS	:	DATE:		
Year of Cost Estimate:			NOTES	:			
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.							

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DISTRICT: NW CLASS: STATBR FED-ID: 7958 BRIDGE: P0891

Design_No = P0891

BRIDGE MEMORANDUM Job No.: JNW0013 X01531 **Bridge No.:** County: Grundy Route: E (Low Volume) over Medicine Creek Drainage Ditch **Final Layout:** U.I.P., Redeck & Make Composite Existing (55'-75'-75') Continuous Wide Flange Beam Spans Roadway Width: 24'-0" plus 16" Type D Barriers each side Alignment: Tangent Skew: Square **Profile Grade:** Match existing ± Loading: H-10 (1944), HS20-44 (New construction) **Begin Station:** 294+53.00± (match existing) **Traffic Handling:** Structure to be closed during construction. Traffic to be maintained on other routes during construction. See roadway plans for traffic control. AADT = 271 (2023), Truck = 26.3% = 71**Traffic Information:** AADT = 339 (2043), Truck = 26.3% = 89**Existing Bridge:** Redeck X0153 and use in place. **Condition Ratings:** Deck = 4, Superstructure = 7, Substructure = 7 **Load Posting:** No posting required (to be maintained) **General Notes:** • Remove existing bridge deck including curbs, rails and top of wings. • Install 6½" CIP sliding slab with 3/16" cross slope (without precast panels), stay-in-place forms permitted. • Increase existing haunch ½" to match existing profile grade. · Make End Bents No. 1 & 5 semi-integral. · Install 16" wide, Type D Barriers. · Install Slab Drains as required. · Install Shear Connectors to make composite. • Apply Gray Epoxy-Mastic Primer on sides & bottom of top flange for whole length of bridge. • Clean & Recoat existing bearings at Int. Bents No. 2 & 3. • Install 20' Bridge Approach Slab (Minor) at End Bents No. 1 & 5. • No conduit, lighting, utility supports, or sidewalks are to be included in the final plans. • Existing paint system is System B (lead based). • Bridge deck may be finished with a vibratory screed. Include note B3.25 on plans. **Special Notes:** • Provide object markers at each corner of bridge (Roadway Item). Remove existing Bridge Approach Pavement (Roadway Item). Roadway surfacing adjacent to bridge ends to match top of bridge deck (Roadway Item). • Rubblized existing bridge deck may be used on spill slopes (Roadway Item). · An asbestos and lead inspection has been performed on this structure (X0153). Results indicate that asbestos is not present and lead is present. The Bridge Division will include this report in the electronic deliverables folder when submitting contract documents to the Design Division for the letting (Bridge Item). • Girders to be recoated in a future, paint-only contract (Estimated cost of \$96,000). Estimated Working / Calendar Days = 30 / 45 \$407,000 **FY26 Estimated Construction Cost**¹ = ¹Does not include STIP inflation from Planning Bridge contact is Ted Koester, SPM 573-751-4229 District contact is Brian Rosenthal, TPM 816-387-2499

District: Transportation Project Manager

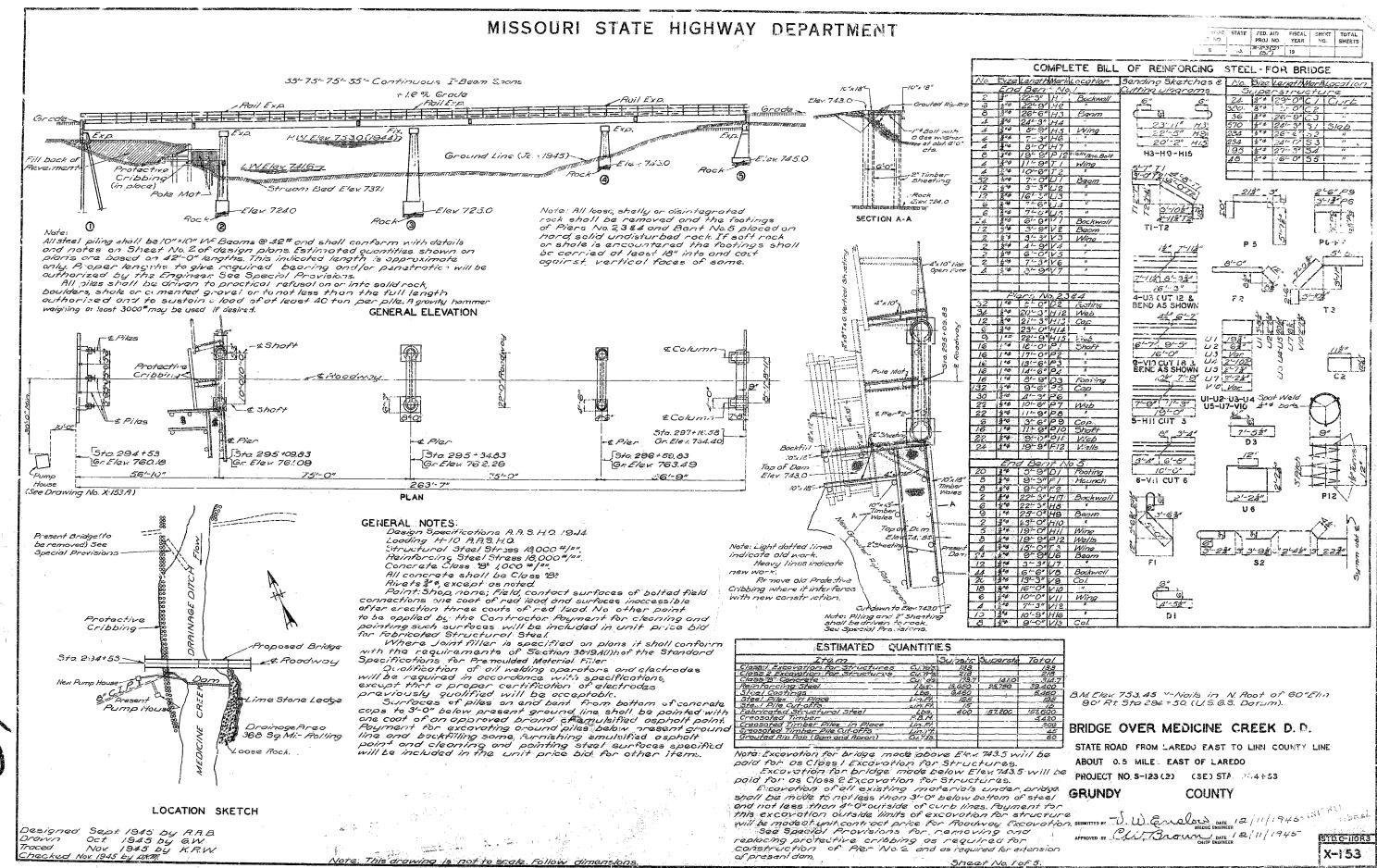
District: District Bridge Engineer

Date

Date

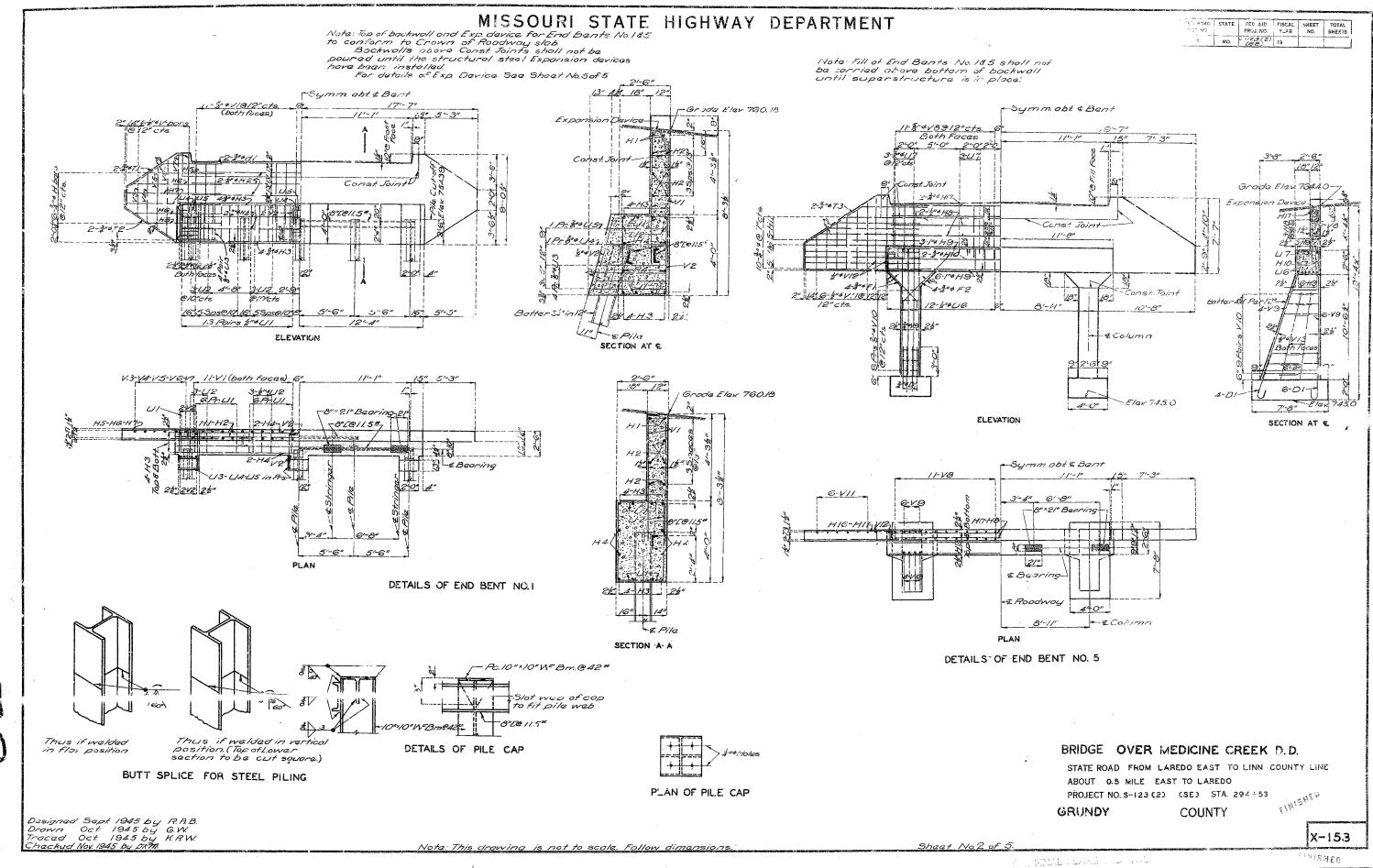
7ed Koester

Prepared by: Structural Project Manager

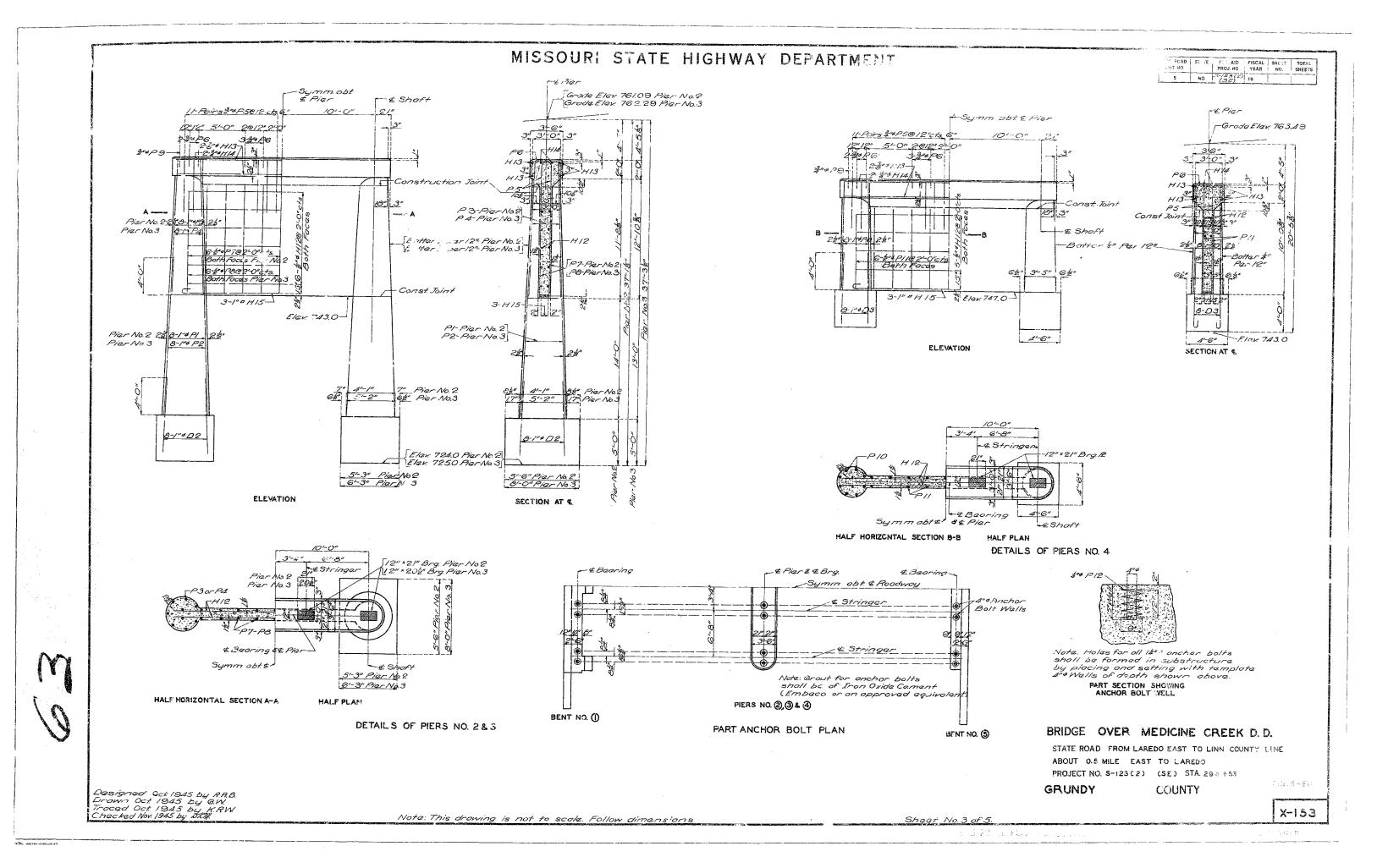


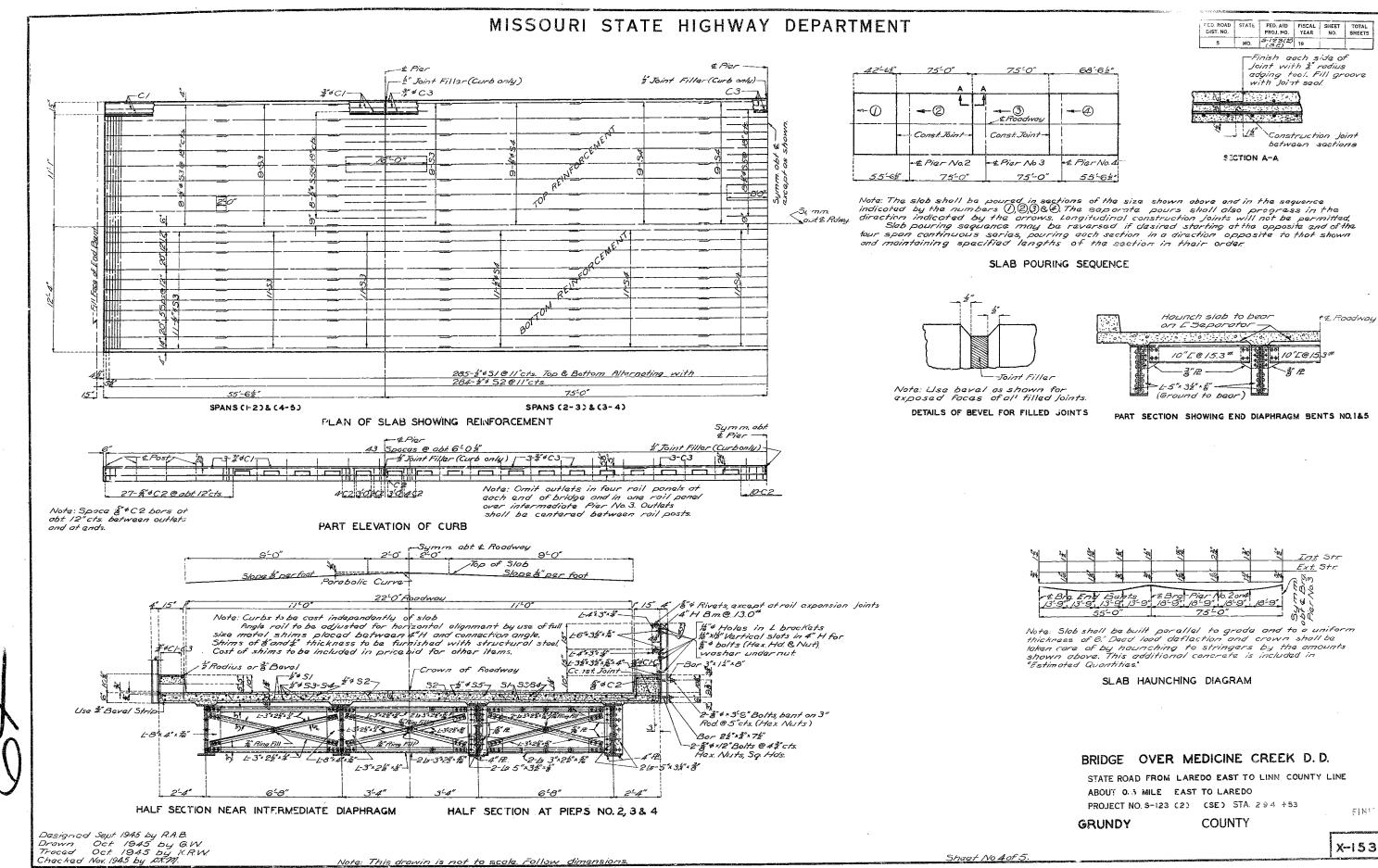
Revised 7-17-1947

FINAL PLANT IN



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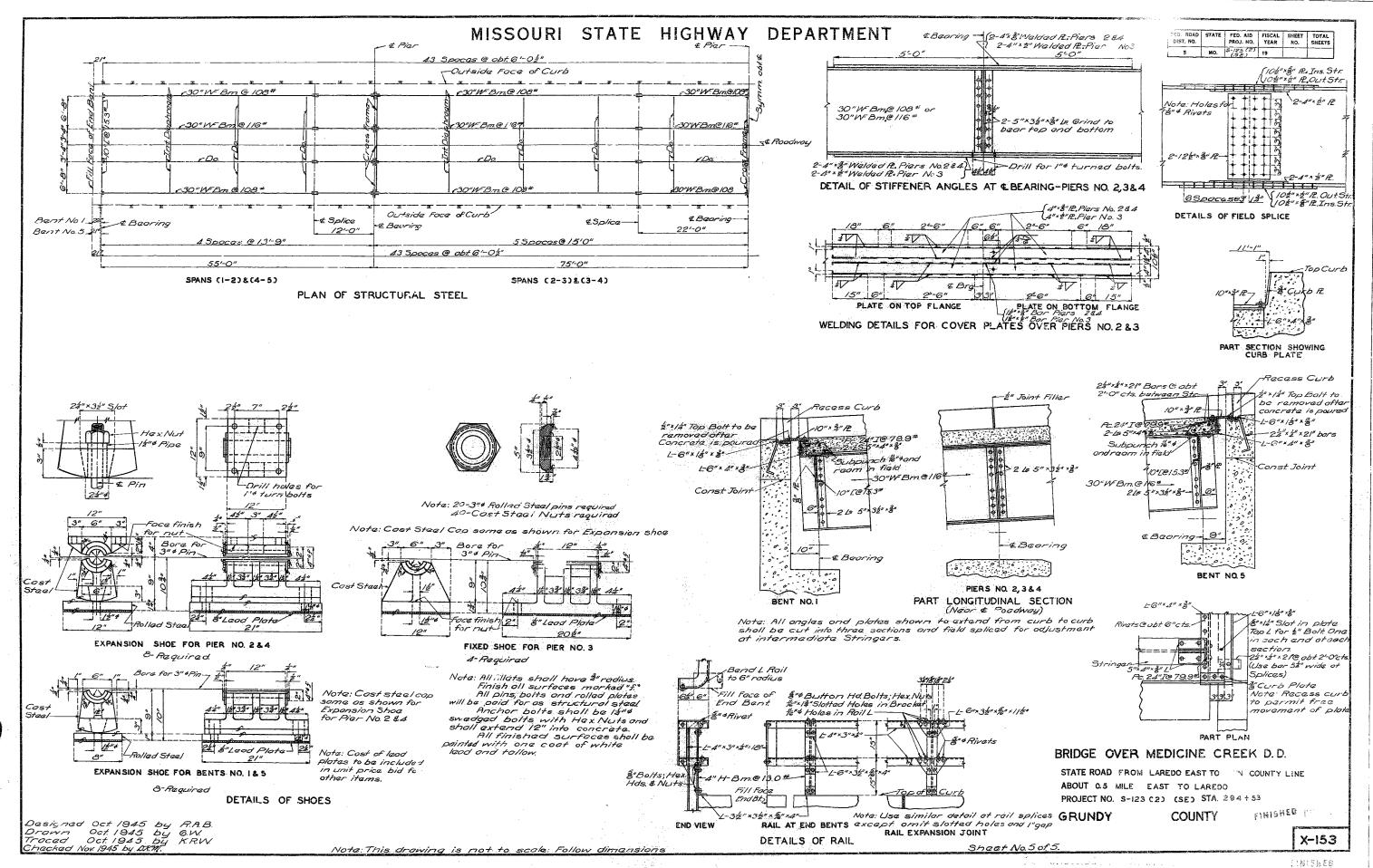


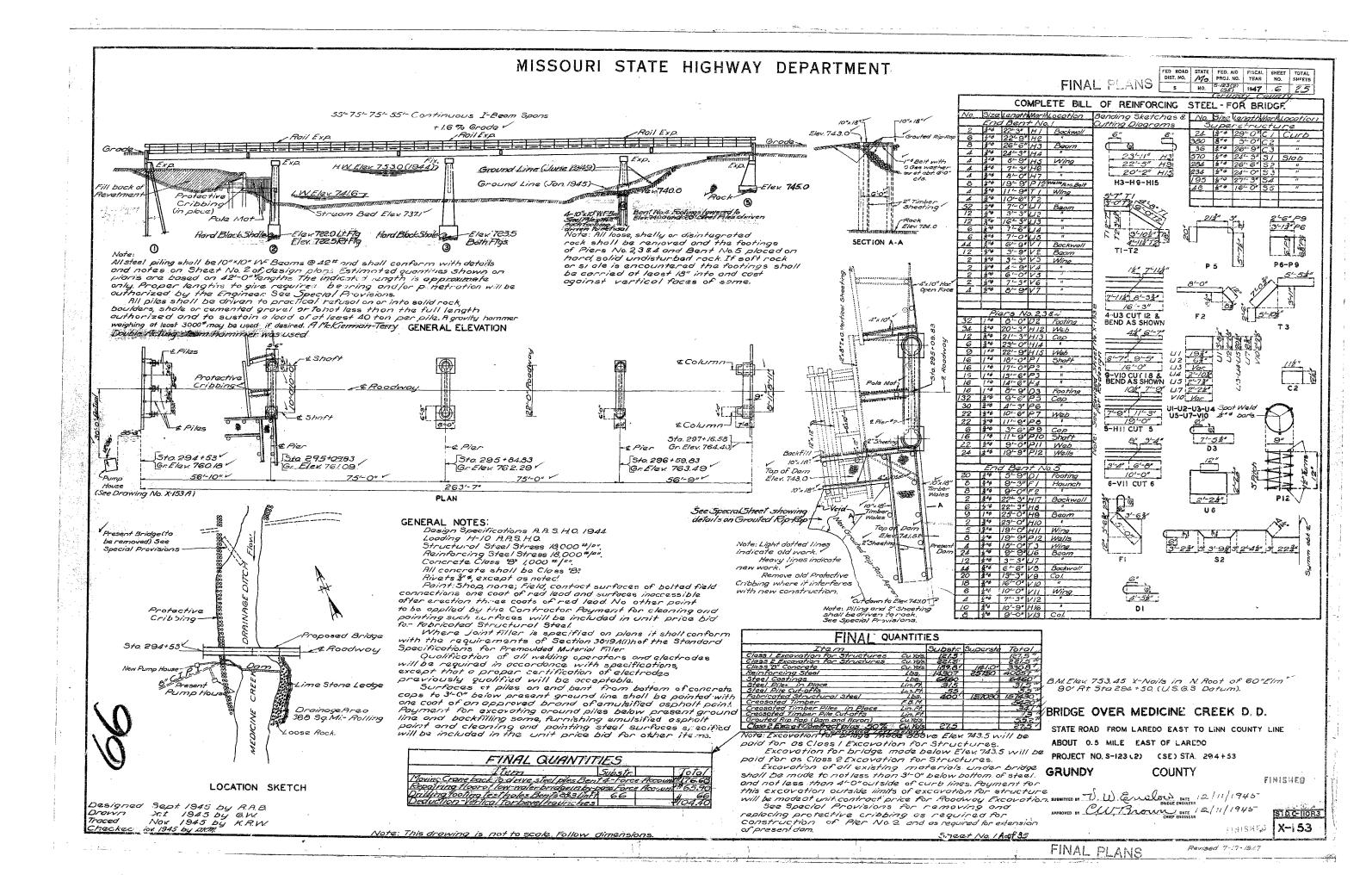


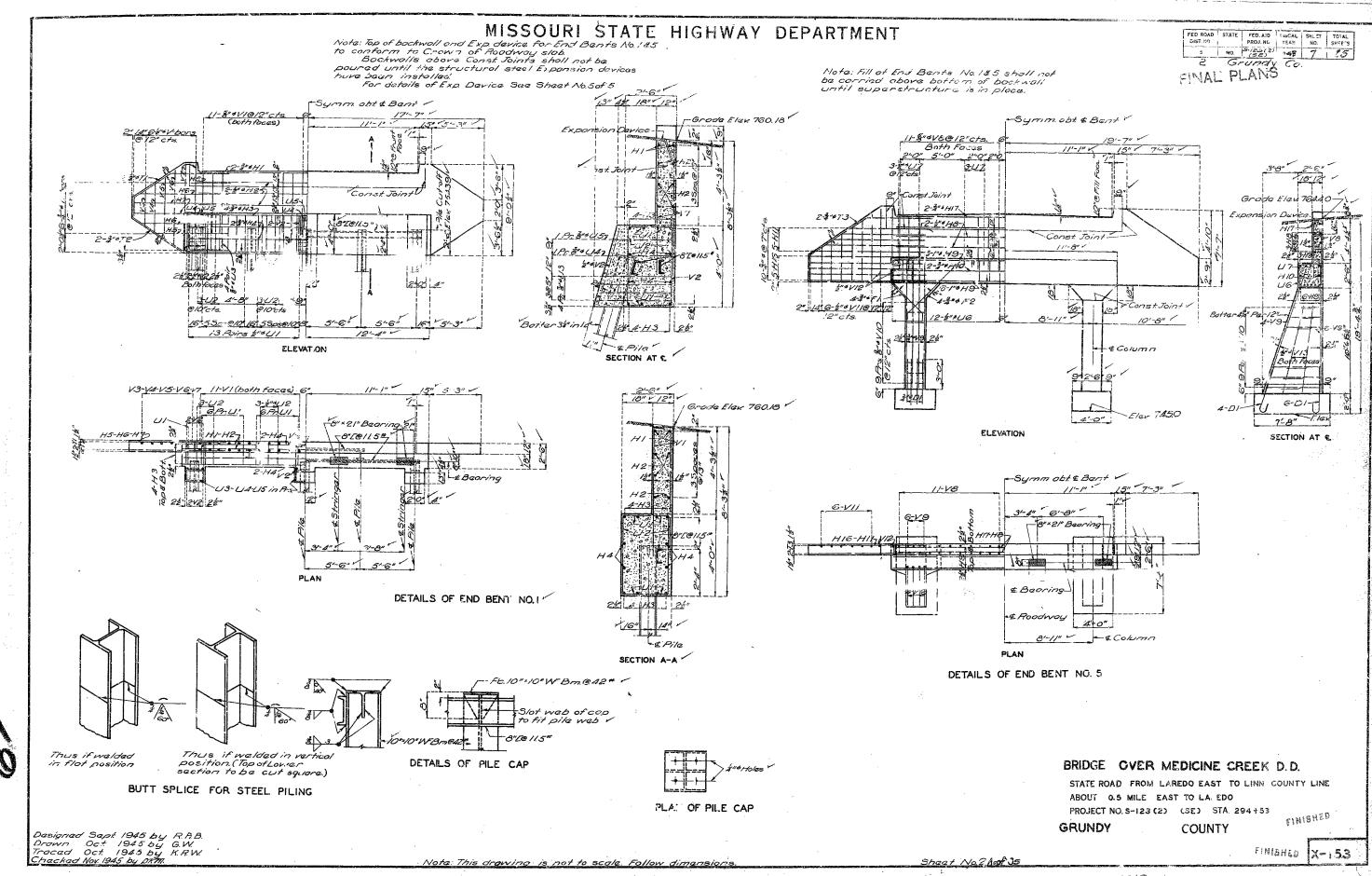
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X-153

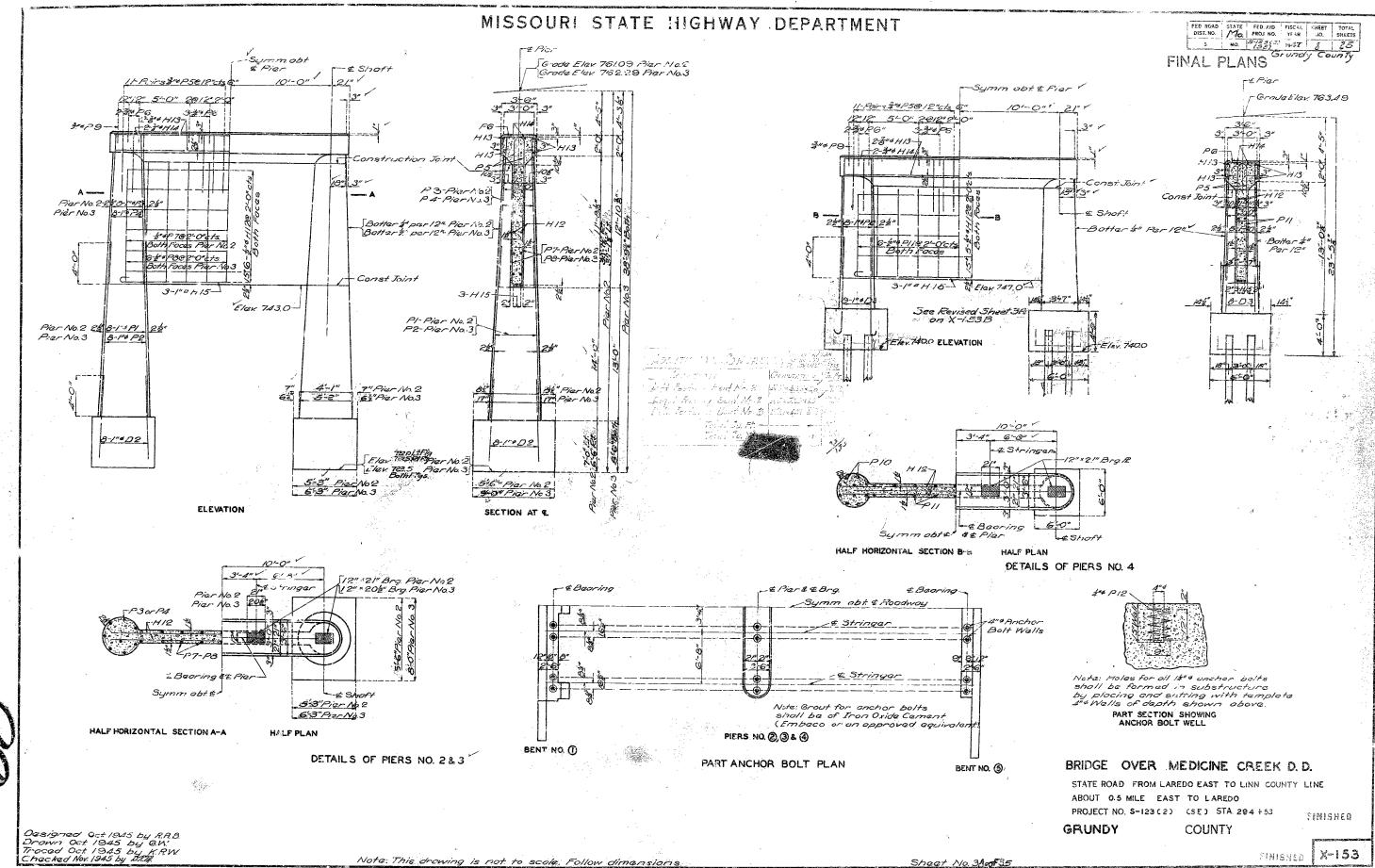
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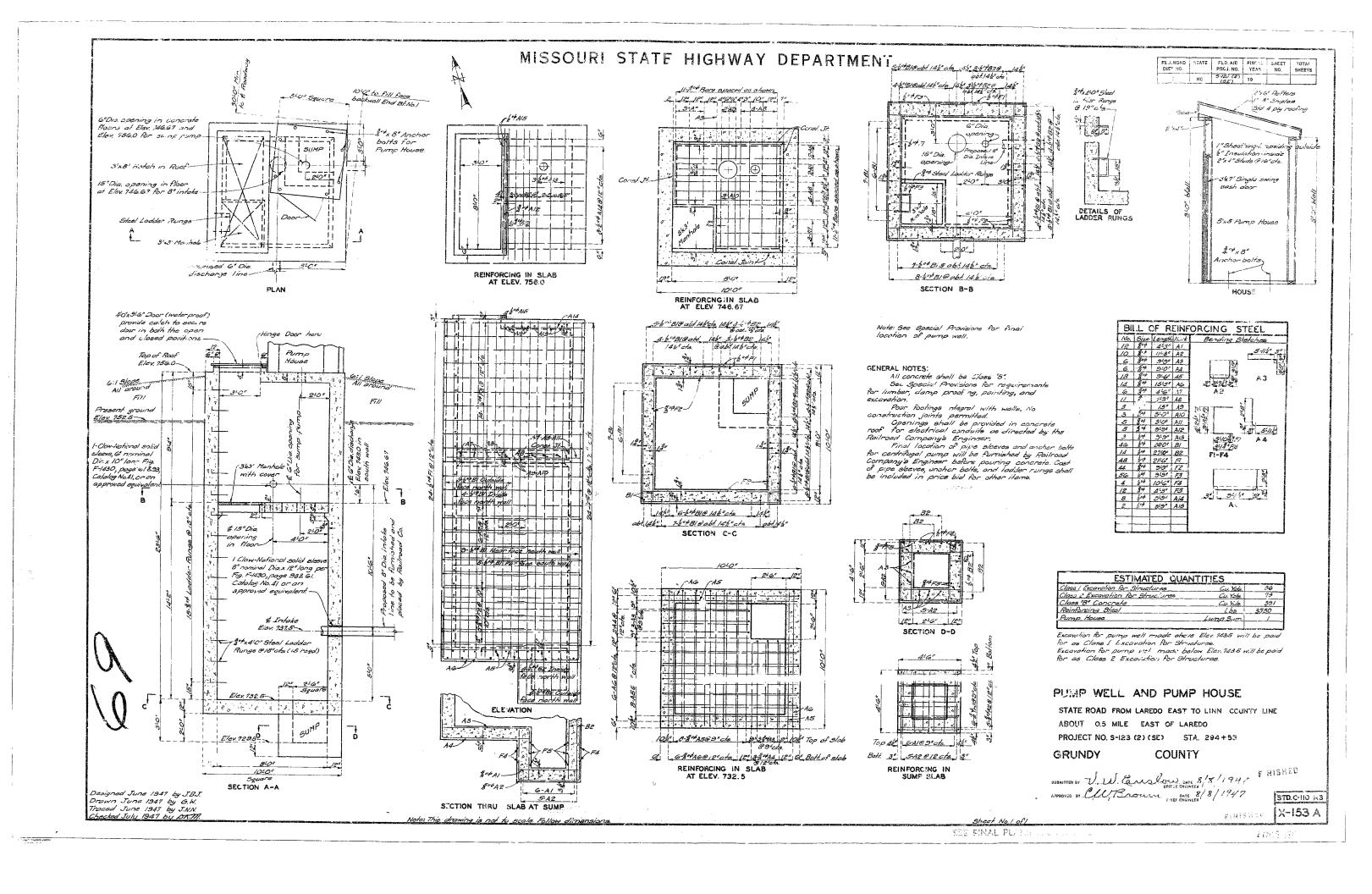


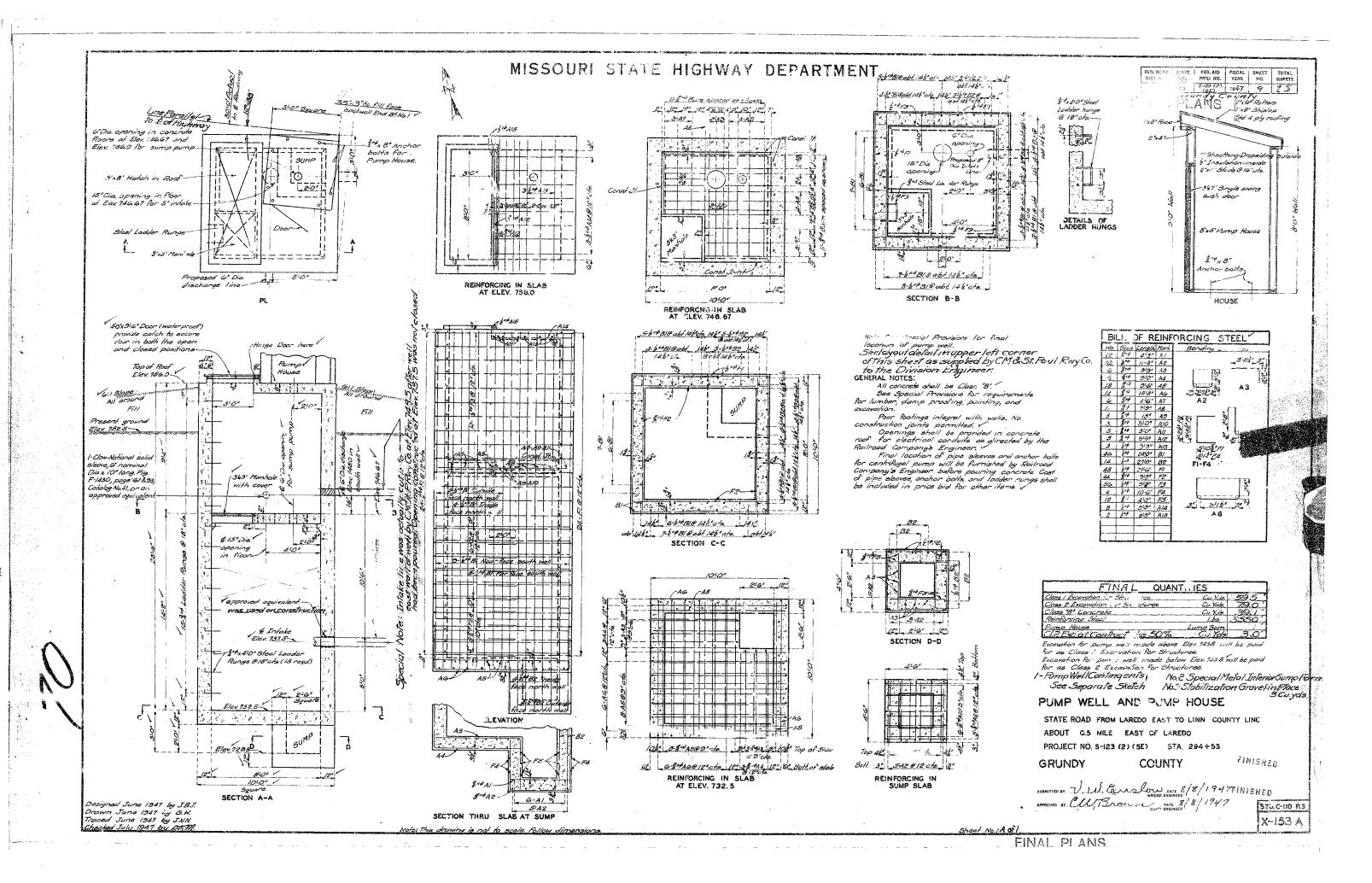
FINAL PLANS



FINAL PLANS

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June 25, 2024 10:15:18AM

COUNTY: GRUNDY DISTRICT: NW CLASS: STATBR FED-ID: 9559 BRIDGE: X0153

GENERAL STRUCTURE INFORMATION ***BRIDGE INSPECTION INFORMATION*** **ROUTE: RTEE** # **SPANS**: 4 PLACE CODE: 80224 WILSON **DATE:** 10/06/2023 **RESPONSIBILITY: DISTRICT** LANES ON: 2 FEATURE: MEDICINE CR DRAIN LENGTH: 264 FT 0 IN FREQUENCY: 24 **CALCULATED INTERVAL**: 24** LANES UNDER: 0 STATUS: A-OPEN **MAXIMUM SPAN: 75 FT 0 IN TEAM LEADER: BRYCE ACTON ELEMENT: NO LOG MILE: 5.582 COMPASS DIRECTION: WEST to EAST** APPROACH ROADWAY: 21 FT 0 IN **INSPECTOR 2: INSPECTOR 4: DETOUR: 22.00 MILES DIRECTION OF TRAFFIC: 2-WAY TRAF CURB TO CURB: 22 FT 0 IN INSPECTOR 3: OUT TO OUT: 24 FT 0 IN** NHS: NO FUNCTIONAL CLASS: RL-MAJOR COLLECTOR ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. **BUILT:** 1947 **NBI OWNER: MODOT AADT: 271 GENERAL INSPECTION COMMENTS** REHAB: **NBI MAINTAINED: MODOT AADT YEAR: 2023** (STEPHS2, 06/05/2019)--HAD BEEN PREVIOUSLY INSPECTED BY SNOOPER MAINTENANCE DISTRICT: NW LOCATION: S 12 T 60 R 23 W **AADT TRUCK: 26.3%** CREW AND HAD BEEN GIVEN TO DISTRICT WHICH THEY MISSED SEEING. **LATITUDE:** 40 1 35.50 (DMS) **MAINTENANCE COUNTY: GRUNDY FUTURE AADT: 339 LONGITUDE:** 93 26 9.41 (DMS) SUB AREA: 7A23 **FUTURE AADT YEAR: 2043** ***FRACTURE CRITICAL INSPECTION INFORMATION*** ***INDEPTH INSPECTION INFORMATION*** DATE: RESPONSIBILITY: **CATEGORY: CATEGORY:** DATE: **RESPONSIBILITY: FREQUENCY: CALCULATED INTERVAL**: NBI**: **FREQUENCY: CALCULATED INTERVAL**: NBI**: **TEAM LEADER: INSPECTOR 3: METHOD: TEAM LEADER: INSPECTOR 3: METHOD: INSPECTOR 2: INSPECTOR 4: INSPECTOR 2: INSPECTOR 4:** ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. ** 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:** 04/17/2024 **CATEGORY: OUALITY ASSURANCE CATEGORY: DRY RESPONSIBILITY: BRIDGEDIV DATE:** 10/06/2023 **RESPONSIBILITY: DISTRICT NBI:** NO FREOUENCY: 60 NBI: NO FREOUENCY: 999 CALCULATED INTERVAL**: CALCULATED INTERVAL**: 46 **TEAM LEADER: BRYCE ACTON** TEAM LEADER: KEVIN RAITHEL **INSPECTOR 3: METHOD: INSPECTOR 3: METHOD:** VISUAL **INSPECTOR 2:** ADAM ZENTZ **INSPECTOR 4: INSPECTOR 2: INSPECTOR 4:** * When calculated interval exceeds the frequency, a justification comment per BIRM is required. ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. SPECIAL INSPECTION COMMENTS **UNDERWATER INSPECTION COMMENTS** (RAITHK, 04/19/2024)--USING THE FIELD VERIFICATION MODEL (FVM) - AS A THIRD PARTY INSPECTOR, I TOOK THI (STEPHS2, 11/23/2021)--WATER 3 TO 4 FEET AT PIERS 2 AND 3 10.26.2021 PREVIOUS INSP REPORT INTO THE FIELD AND VERIFIED THOROUGHNESS OF REPORT WITH ASSIGNED CONDITION AND APPRAISAL RATINGS OTHER SPECIAL INSPECTIONS OTHER UNDERWATER INSPECTIONS DATE **FREQUENCY CATEGORY** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD** DATE **FREQUENCY CATEGORY** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD** NO WT TAPE 08/19/2020 72 CHANNEL CROSS 73 DISTRICT **SECTIONS**

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COUNTY: GRUNDY DISTRICT: NW CLASS: STATBR FED-ID: 9559

BRIDGE: X0153 ***STRUCTURE POSTING*** **APPROVED CATEGORY: S-1** NO POSTING REQUIRED **Ton 1: Ton 2: Ton 3: COMMENTS:** FIELD CATEGORY: S-1 NO POSTING REQUIRED **PROBLEM: Ton 1: Ton 2: Ton 3:** PROBLEM DIRECTION: **COMMENTS:** ***GENERAL COMMENTS/MAJOR RATED ITEMS*** GENERAL COMMENTS: (BOWDEJ1, 02/02/2010)--(56'-75'-56') CONT NON-COMP WF GDR SPANS [ITEM 58] DECK: 4-POOR CONDITION COMMENTS: (MADSEJ, 05/10/2017)--APPROXIMATELY 40% SATURATION, PATCHES, SPALLS, AND DELAMINATIONS THROUGHOUT THE EAST SPAN. **RATING:** 05/26/2015 [ITEM 59] SUPER: 7-GOOD CONDITION COMMENTS: (MADSEJ, 05/10/2017)--LIGHT TO MEDIUM SPOTTY PACKRUST THROUGHOUT THE GIRDER TO FLANGES. **RATING:** 05/18/2001 [ITEM 60] SUB: 7-GOOD CONDITION COMMENTS: (MADSEJ, 05/10/2017)--A FEW VERTICAL CRACKS THROUGHOUT BOTH ABUTMENT BEAMCAPS. **RATING:** 05/18/2001 [ITEM 61] BANK/CHANNEL: 5-MAJOR DAMAGE COMMENTS: (MADSEJ, 05/10/2017)--POOR UPSTREAM CHANNEL ALIGNMENT. STEEP ERODING AND SLOUGHING BANKS THROUGHOUT THE CHANNEL. **RATING:** 05/18/2001 [ITEM 113] SCOUR: 5-FOUNDATION STABLE **COMMENTS:** (CALLAC, 01/16/2003)--ITEM 113 FIELD RATING = 5 **RATING:** 01/16/2003 ITEM 113 = 5 BASED ON USGS EVALUATION, UNDERMINING DUE TO COMBINATION SCOUR, LOW APPROACHES, CHANNEL DEGRADATION **EVALUATION TYPE:** (ACTONB1, 10/20/2023)--MINOR SCOUR @ BENT 2&3 COLUMN BOTTOMS [ITEM 71] WATERWAY ADEQUACY: DECK/APPRCH OVERTOP SLIGT **COMMENTS: RATING:** 05/18/2001 [ITEM 72] APPRRDWY ALIGNMENT: 8-VERYGOOD **COMMENTS: RATING:** 05/18/2001 ***RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS*** [ITEM 36A] BRIDGE RAILING RATING: DOESNT MEET CURRNT STND-0 **RATING:** 06/07/2004 **COMMENTS: CONSTRUCTION MATERIAL DIRECTION COMMENTS** REINFORCED CONCRETE **CURB BOTH CONDITION** LOCATION 1 LOCATION 2 **SEVERITY COMMENT** DETERIORATION THROUGHOUT **ADVANCED SCALING** THROUGHOUT **MODERATE** STEEL ANGLE-DOUBLE **BOTH CONDITION** LOCATION 1 **LOCATION 2 SEVERITY COMMENT** COLLISION DAMAGE THROUGHOUT (RACKEM, 09/04/2005)--SPAN 3 SOUTH SIDE. **MINOR** (STEPHS2, 11/23/2021)--PAINTED 2020 [ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0 **RATING:** 05/18/2001 **COMMENTS: COMMENTS:** [ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0 **RATING:** 05/18/2001

Design No = X0153

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DISTRICT: NW

CLASS: STATBR

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BRIDGE: X0153

[ITEM 36D] RAIL END TREATMENT RATING: NOT PROVIDED-0 **RATING:** 05/18/2001 **COMMENTS:** (RAITHK, 04/19/2024)--NE COLLISION MINOR DAMAGE APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below. **CONSTRUCTION DIRECTION CONDITION* COMMENTS** ASPHALT **BITUMINOUS MAT BOTH** GOOD ***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 SEAL COAT .3 IN GOOD**COMMENT:** (STEPHS2, 11/23/2021)--NEW OVERLAY 2021 DECK PROTECTION *NOTAPPLICABLE* NONE**COMMENT:** *MEMBRANE NOTAPPLICABLE* NONE **COMMENT: DRAINAGE COMPONENTS: COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS** REINFORCED CONCRETE DRAINAGE CURB OUTLET **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY COMMENT DETERIORATION** THROUGHOUT **MODERATE EXPANSION DEVICE COMPONENTS:** SUB UNIT-# SUB LABEL **COMPONENT** MATERIAL **CONSTRUCTION GAP** YEAR APPLIED **MANUFACTURE OVERALL CONDITION** ABUTMENT-1 CLOSED EXPANSION JOINT STEELFLAT PLATE POOR**COMMENT: CONDITION** LOCATION 1 LOCATION 2 **SEVERITY COMMENT** COVERED WITH MAT **THROUGHOUT** NOT APPLICABLE PACK RUST **THROUGHOUT MEDIUM** ABUTMENT-5 CLOSED EXPANSION JOINT STEEL FLAT PLATE POOR**COMMENT: COVERED WITH MAT THROUGHOUT** NOT APPLICABLE PACK RUST **THROUGHOUT MEDIUM** BANK/SLOPE PROTECTION COMPONENTS: **COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS** ***DECK COMPONENTS*** SPAN TYPE-# **COMPONENT MATERIAL CONSTRUCTION COMMENTS** MAIN SPANS-1 DECKREINFORCED CONCRETE CAST-IN-PLACE

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COUNTY: GRUNDY	DISTRICT: NW	CLASS: STATBE	R	FED-ID: 9559	BRIDGE: X0	153	
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT		
DETERIORATION	EDGE		MODERATE				
FULL DEPTH PATCHES	THROUGHOUT		FEW				
PATCHES	THROUGHOUT		LARGE				
SATURATION	THROUGHOUT		MODERATE	30 %			
SPALLS	THROUGHOUT		FEW				
TRANSVERSE CRACKS	THROUGHOUT		MANY				
MAIN SPANS-2 DEC CONDITION	CK REINFORCED CONCRE Location 1	TE CAST-IN-PLA LOCATION 2	ACE <u>Severity</u>	<u>MEASUREMENT</u>	COMMENT		
		<u>LOCATION 2</u>		MEASUREMENT	<u>OMMENT</u>		
DETERIORATION	EDGE		MODERATE				
PATCHES	THROUGHOUT		LARGE	25.0/			
SATURATION	THROUGHOUT		MINOR	25 %			
SPALLS	THROUGHOUT		FEW				
TRANSVERSE CRACKS	THROUGHOUT		MANY				
MAIN SPANS-3 DEG	CK REINFORCED CONCRE	TE CAST-IN-PL	ACE				
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT		
DETERIORATION	EDGE		MODERATE		OHENELI I I		
FULL DEPTH PATCHES	THROUGHOUT		FEW				
PATCHES	THROUGHOUT		LARGE				
SATURATION	THROUGHOUT		MINOR	25 %			
	THROUGHOUT		MANY	23 70			
TRANSVERSE CRACKS	THROUGHOUT		MANI				
MAIN SPANS-4 DEG	CK REINFORCED CONCRE	TE CAST-IN-PL	ACE				
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
DETERIORATION	EDGE		MODERATE				
FULL DEPTH PATCHES	THROUGHOUT		FEW				
PATCHES	THROUGHOUT		LARGE				
SATURATION	THROUGHOUT		MODERATE	40 %			
TRANSVERSE CRACKS	THROUGHOUT		MANY	40 70			
			RUCTURE COMI				
SERIES TYPE-# SPAN		<u>CONSTRUCT</u>		<u>LABEL</u>	<u>OMMENTS</u>		
MAIN SERIES-1 CONTINUO	OUS SPAN STEEL	WIDE FLANGE (GIRDERS				
<u>SPAN</u> <u>COMPOSI</u>	<u>TE INDICATOR </u>	<u> ERING STEEL COMMENT</u>	<u>S</u>				
MAIN SPANS-1 NON-0	COMPOSITE 56 FT 10 IN	NO					
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT		
PACK RUST	TOP FLANGE		LIGHT				
MAIN SPANS-2 NON-0	COMPOSITE 75 FT 0 IN	NO					
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT		
PACK RUST	TOP FLANGE		LIGHT				
	COMPOSITE 75 FT 0 IN	NO					
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
PACK RUST	TOP FLANGE		LIGHT				
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MAIN SPANS-4 NON-COMPOSITE 56 FT 9 IN NO

CONDITION
PACK RUST TOP FLANGE

NO

NO

SEVERITY
MEASUREMENT COMMENT
LIGHT

SUBSTRUCTURE COMPONENTS									
<u>SUBSTRUCTURE</u>	<u>SKEW</u>	LENGTH	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	LABEL COMMENT				
ABUTMENT-1		24 FT 8 IN	REINFORCED CONCRETE	NON-INTEGRAL					
	CONDITION		<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>		
ASSOCIATED	COMPONENT	MAT	TERIAL	CONSTRUCTION	<u> </u>				
BACKWALL			NFORCED CONCRETE	CAST-IN-PLACE					
51101111122	CONDITION	1011	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT		
BEAM CAP	0011211011	REIN	NFORCED CONCRETE	CAST-IN-PLACE	<u>537 511111</u>				
BLAW CAI	CONDITION	KLII	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT		
	VERTICAL CRACK	C	THROUGHOUT	<u>LOCATION 2</u>	FEW	MLASCKLMLIVI	COMMENT		
PILING	VERTICAL CRACK	.S STE:		H-SHAPE	FEW				
FILING	CONDITION	31E.	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT		
CTD A ICHT W		DED	' 	<u> </u>	<u>SEVERII I</u>	MEASUKEMENI	COMMENT		
STRAIGHT W		KEII	NFORCED CONCRETE	CAST-IN-PLACE	CELEBRA	MEAGUDEMENT	COMMENT		
	<u>CONDITION</u>	~	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	CUMMENI		
EXPANSION		STE		ROCKER	A	140 4045-5-5-	CONTENT		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	PACK RUST		THROUGHOUT		MEDIUM				
DIED 2		11 FF / D1	DEINICADAED CANADETE	MUTIDLE COLUMN					
PIER-2	COMPTEION	23 FT 6 IN	REINFORCED CONCRETE	MULTIPLE COLUMN	(CII/EDI/EV	ME (CUDE) (EXC	COMMENT		
	CONDITION		LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENI		
	<u>COMPONENT</u>		<u>'ERIAL</u>	<u>CONSTRUCTION</u>					
BEAM CAP		REII	NFORCED CONCRETE	CAST-IN-PLACE					
	CONDITION		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
COLUMN		REII	NFORCED CONCRETE	CAST-IN-PLACE					
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
	MINOR SCOUR		WATERLINE		AT BENT				
	SCALING		WATERLINE		LIGHT				
FOOTING		REI	NFORCED CONCRETE	SPREAD					
	CONDITION		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
WEB BEAM		REI	NFORCED CONCRETE	CAST-IN-PLACE					
	CONDITION		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>		
EXPANSION	BEARING	STE	' 	ROCKER					
	CONDITION		LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>		
PIER-3		23 FT 6 IN	REINFORCED CONCRETE	MULTIPLE COLUMN					
	CONDITION		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>		
<u>ASSOCI</u> ATED	COMPONENT	<u>M</u> AT	<u>ERIAL</u>	<u>CONSTRUCTION</u>					
BEAM CAP			NFORCED CONCRETE	CAST-IN-PLACE					
	CONDITION		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>		
COLUMN		REIN	NFORCED CONCRETE	CAST-IN-PLACE					
COLONIII	CONDITION	KLII	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT		
	MINOR SCOUR		WATERLINE	23 0/111011 2	AT BENT				
	SCALING		WATERLINE		LIGHT				
FOOTING	SCALING	DEIN	NFORCED CONCRETE	SPREAD	LIGITI				
roomid	CONDITION	KEII	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT		
WEB BEAM	COMDITION	REIN	NFORCED CONCRETE	CAST-IN-PLACE	<u>SEVERIII</u>	MEASUREMENT	COMMENT		
WED DEAM	<u>CONDITION</u>	KEII	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT		
									

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Missouri Department of Transportation State Bridge Inspection Report CLASS: STATER

COUNTY: GRUNDY	DISTRICT: NW	CLASS: STATBR	FED-l	D: 9559	BRIDGE: X0153
FIXED BEARING	STEEL	PEDESTAL(ROTATING)			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
PIER-4	23 FT 6 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
SCALING	WATERLINE		LIGHT		
FOOTING	REINFORCED CONCRETE	SPREAD			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
WEB BEAM	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	ROCKER			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ABUTMENT-5	24 FT 8 IN REINFORCED CONCRETE	OPEN CONCRETE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
ASSOCIATED COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</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>
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>
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>
HIGH STEEL SPALL			FEW		
VERTICAL CRACKS			FEW		
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	ROCKER	~ ~~ ···		
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
PACK RUST	THROUGHOUT		MEDIUM		

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.

 VERTICAL CLEARANCE TYPE**
 VALUE
 DIRECTION
 DATE
 COMMENT

MODOT

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CLEARANCES UNDER BRIDGE

RECORD #

COUNTY: GRUNDY

ROUTE

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

DISTRICT: NW

RIGHT LATERAL CLEARANCE LEFT LATERAL CLEARANCE

FED-ID: 9559

MILS: 8

BRIDGE: X0153

UR-ID

VERTICAL CLEARANCE TYPE VALUE DIRECTION DATE COMMENT**

LANES

STRUCTURE PAINT INFORMATION STEEL TONS: 82

CONDITION: GOOD **RUST AMOUNT:** 7 = .2% OF SURFACE RUSTED

> **ORIGINAL PAINT CONTRACT REPAINT** DEPARTMENT REPAINT

PAINT TYPE: PAINT TYPE: **MANUFACTURE: PAINT TYPE:** B SYSTEM NAME: NAME: **NAME:** BASIC LEAD CHROMIUM **SURFACE PREP:**

PAINT COLOR: PAINT COLOR: PAINT COLOR: ALUMINUM **PAINT YEAR: PAINT YEAR:** PAINT YEAR: 1987

REQUESTED WORK ITEMS

MILS:

GENERAL WORK COMMENTS:

MILS:

LOCATION ITEM CATEGORY PRIORITY DATE WORK ITEM COMMENT RESPONSIBILITY DISTRICT ROUTINE **SLOPE** PLACE RIP-RAP SLOPE 05/10/2017 (SIMPSB, 03/12/2004)--NE CORNER 3

DISTRICT SPECIAL **ABUTMENT-BEARINGS** CLEAN, PAINT, AND RESET **SUBSTRUCTURE** 3 05/10/2017

UTILITY ATTACHMENTS

UTILITY OWNER METHOD MEASUREMENT TYPE UTILITY ATTACHMENT COMMENT **VALUE NUMBER**

PROGRAM NOTES INFORMATION

PROJECT# **MONTH LET** YEAR LET **ITEMS COMMENT YEAR**

Design $N_0 = X0153$



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COUNTI. GR	UNDI DISTRICI. NW	CLASS. STATER	1 ED-1D. 3333	DRIDGE, AUISS					
COM	PUTER GENERATED RATINGS AND I	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 TYPE	PROBLEM	PROBLEM DIRECTION			
Rated Item	Rating	Rating Date	1						
[Item 67] Structure Evaluation Rating:	5-BETTER THAN MINIMUM	12/27/2011							
[Item 68] Deck Geometry Rating:	4-MEETS MINIMUM TOLERABLE	12/31/2002							
[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001							
Sufficiency Rating:	55.4%	3/7/2024							
Deficiency:	STRUCTURAL	1/4/2016							
Funding Eligibility:	ding Eligibility:				***OUTFALL INSPECTION INFORMATION***				
Estimated New Structure Length:			" OTTEN 1 C	T. (ODE CTOD				
Estimated Structure Cost:			# OUTFALLS:	INS	SPECTOR:				
Estimated Total Project Cost:			STATUS:		DATE:				
Year of Cost Estimate:			NOTES:						
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.									