06-16-2023 LETTING ITEM 210

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

ILLINOIS CONTRACT NO. 78877

D-99-055 - 21

FOR INDEX OF SHEETS, SEE SHEET NO. 3 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

PROPOSED HIGHWAY PLANS

FAS ROUTE 944 (US 60 & 62) OVER MISSISSIPPI RIVER SECTION (138D-BR)I-9 PROJECT HBFP-YICT(525) **JOINT REPLACEMENTS** ALEXANDER COUNTY IL /MISSISSIPPI COUNTY MO C-99-074-21

TRAFFIC DATA

FAS 944 (US 60 &62) 2020 ADT = 2780 26.1% TRUCKS

TOWNSHIPS

POSTED SPEED: 55 MPH

J.U.L.I.E. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

T.18S.

PROJECT ENGINEER: MIKE STEPHENSON PROJECT DESIGNER: DAVID WILSON

R.1E. TO WICKLIFFE, KY 1 W COUNTY Cairo POP. 2,831 FORT DEFIANCE CAIRO MISSISSIPPI BRIDGE R 1 E TO CHARLESTON, MO COUNTY SN 002-0005

GROSS LENGTH = 5181.4 FT.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SUBMITTED Dec 14 20 22 Kirk H. Brown **REGION FIVE ENGINEER** May 12, 2023 May 12, 2023 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

LOCATION OF SECTION INDICATED THUS: -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 78877

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REV. - MS

Prepared By: Charles Steen
DISTRICT STUDIES & PLANS ENGINEER

Examined By:

Examined By:

Examined By:

DISTRICT OPERATIONS ENGINEER

Examined By:

Examined By:

Examined By:

USER NAME = William.Porter	DESIGNED -	REVISED -	
	DRAWN	REVISED	
PLOT SCALE = 100.0000 ' / in.	CHECKED	REVISED	
PLOT DATE = 11/29/2022	DATE	REVISED	

INDEX OF SHEETS

GENERAL NOTES

COMMITMENTS: MODOT AND KYTC CONTACT REQUIREMENTS; SEE SPECIAL PROVISIONS

DESCRIPTION

- COVER SHEET
 - SIGNATURE SHEET
- INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES
- 4 SUMMARY OF QUANTITIES
- 5 TRAFFIC CONTROL PLAN-MESSAGE BOARD PLACEMENT
- 6-9 BRIDGE REPAIR PLANS

STANDARDS

701001-02 OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600mm) FROM PAVEMENT EDGE

701006-05 OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY

701901-08 TRAFFIC CONTROL DEVICES

BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTIOIN ON RURAL LOCAL HIGHWAYS

000001-08 STANDARDS, SYMBOLS, ABBREVIATIONS AND PATTERNS

001001-02 AREAS OF REINFORCEMENT BARS

001006 DECIMAL OF AN INCH AND OF A FOOT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

 GENERAL NOTES, HIGHWAY STANDARDS, INDEX OF SHEETS
 F.A.S. RTE.
 SECTION

 SN 002-0005
 944
 (138D-BR)I-9

REV. - MS

COUNTY TOTAL SHEET NO.

ALEXANDER 9 3

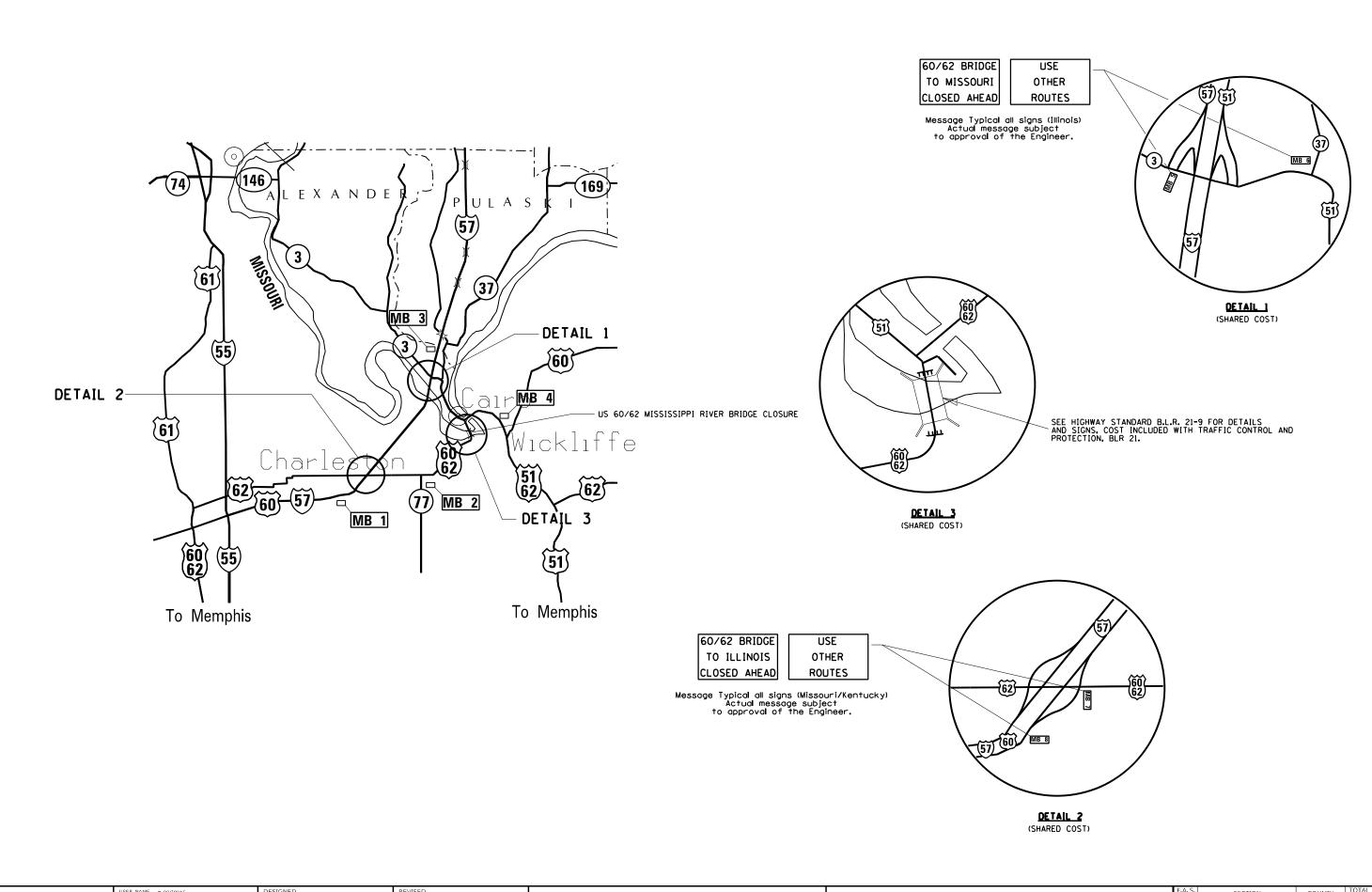
CONTRACT NO. 78877

C	THAMADY OF OHANITITIES		COUNTY:	ALEXANDER	MISSISSIPPI
3	SUMMARY OF QUANTITIES		ROUTE:	US 60/62	US 60/62
			FUNDING:	80% FEDERAL 20% STATE	100% MISSOURI
		_	LOCATION:	RURAL	RURAL
CODE	ITEM DESCRIPTION	UNIT	TOTAL	SN 002-0005	SN 002-0005
NUMBER	THE BESCHI TON	01111	QUANTITY	0013	0013
50102400	CONCRETE REMOVAL	CU YD	344.5	172.3	172.3
50300255	CONCRETE SUPERSTRUCTURE	CU YD	344.5	172.3	172.3
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	168,580	84,290	84,290
50500505	STUD SHEAR CONNECTORS	EACH	3,800	1,900	1,900
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	51,570	25,785	25,785
52000365	NEOPRENE EXPANSION JOINT 6 1/2"	FOOT	176	88	88
67000400	ENGINEERIG FIFLD OFFICE TYPE A	CALIMO	15	7.5	7.5
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	15	7.5	7.5
67100100	MOBILIZATION	L SUM	1	1	1
X7010238	CHANGEABLE MESSAGE SIGN (SPECIAL)	CAL MO	128	64	64
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	0.5	0.5
Z0021907	SILICONE JOINT SEALER, 1.75"	FOOT	748	374	374
Z0041895	POLYMER CONCRETE	CU FT	49.6	24.8	24.8
			1		

REV. - MS

USER NAME = William Porter	DESIGNED	REVISED
	DRAWN	REVISED
PLOT SCALE = 100.0000 / in	CHECKED	REVISED
PLOT DATE = 12/15/2022	DATE -	REVISED -

SCALE: __



 USER NAME
 = porterwor
 DESIGNED REVISED

 DRAWN
 REVISED

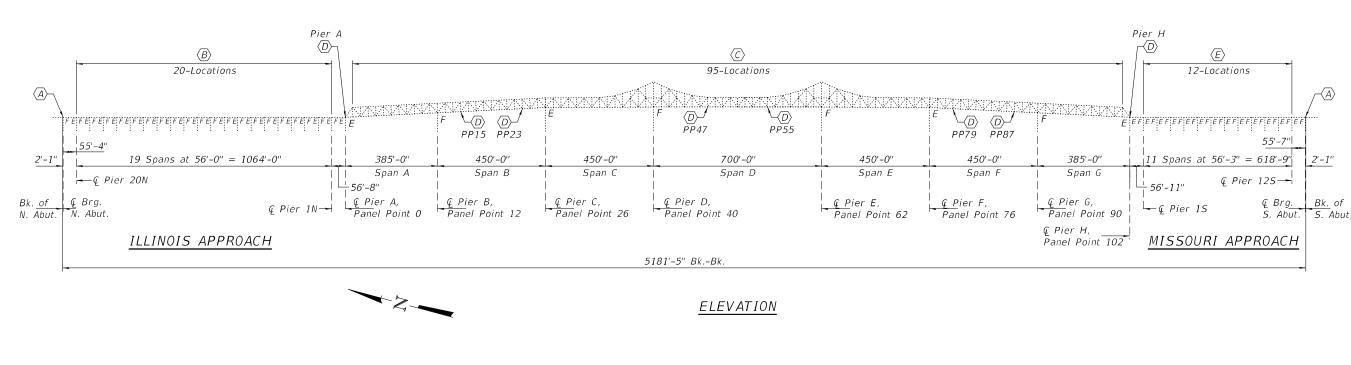
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 = 100.0000 ' / in.
 CHECKED REVISED

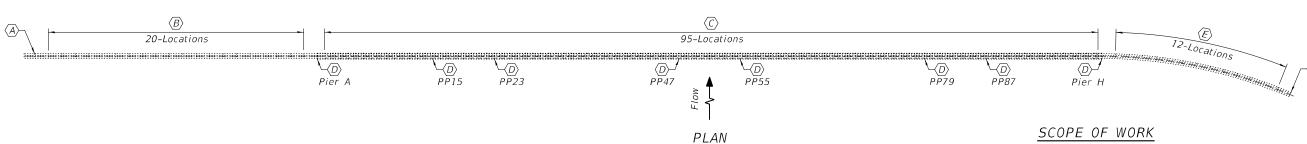
 PLOT DATE
 = 3/16/2021
 DATE REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC CONTROL PLAN & MESSAGE BOARD PLACEMENT

SN 002-0005

SHEET OF SHEETS STA. TO STA.





- (A) Remove existing joints and replace with Polymer Concrete and Silicone Joint Sealer at North and South Abutments. (2-Locations). See sheet 2 of 4 for Details.
- (B) Remove existing joints and replace with Polymer Concrete and Silicone Joint Sealer at Pier 20N thru Pier 1N, Illinois Approach. (20-Locations). See sheet 2 of 4 for Details.
- C Remove & Replace existing Plate Joint at PP 1 thru PP 101 except at PP 15, 23, 47, 55, 79, and 87. (95-Locations). See sheet 3 & 4 of 4 for Details.
- \bigcirc Retrofit existing $6\frac{1}{2}$ " Neoprene Joint at PP 15, 23, 47, 55, 79, 87 & Piers A & H. (8-Locations). See sheet 3 of 4 for Details.
- (E) Remove existing joints and replace with Polymer Concrete and Silicone Joint Sealer at Pier 1S thru Pier 12S, Missouri Approach. (12-Locations). See sheet 2 of 4 for Details.

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Reinforcement bars designated (E) shall be epoxy coated.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

All new structural steel shall be hot-dip galvanized. See Special Provisions for "Hot Dip Galvanizing for Structural Steel".

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	344.5
Concrete Superstructure	Cu. Yd.	344.5
Furnishing & Erecting Structural Steel	Pound	168580
Silicone Joint Sealer, 1¾"	Foot	748
Polymer Concrete	Cu. Ft.	49.6
Reinforcement Bars, Epoxy Coated	Pound	51570
Shear Stud Connectors	Each	3800
Neoprene Expansion Joint, 6½"	Foot	176



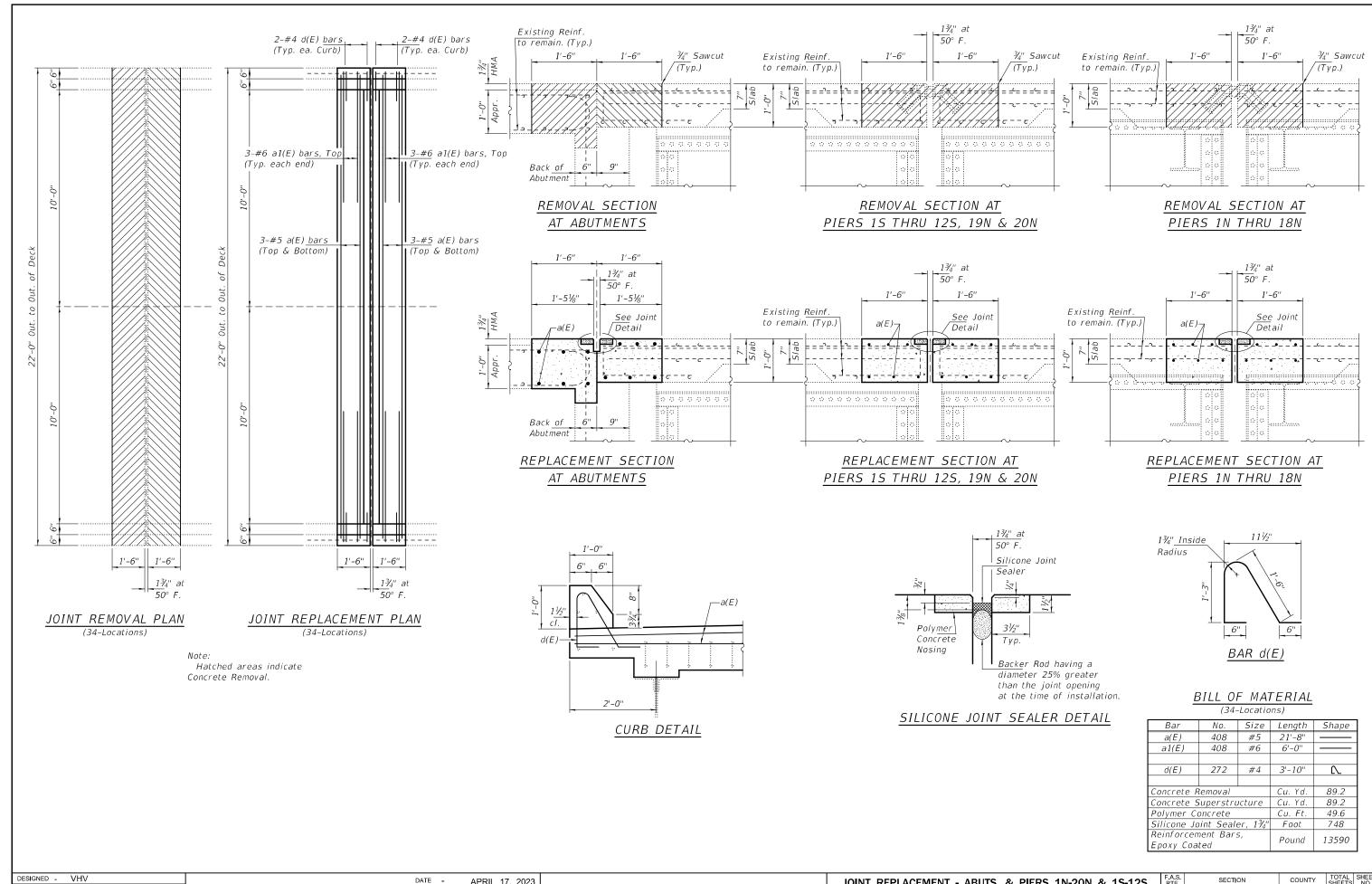
Expires: November 30, 2024

DESIGNED -	VICTOR H. VELIZ			DATE -	APRIL 17, 2023
CHECKED -	ADRIAN T. HALLOWAY	1	1 1.11		
DRAWN -	STEFFEN	PASSED	tayn t- Achiff	REVISED	-
CHECKED -	VHV ATH] -	(ENGINEER OF BRIDGES AND STRUCTURES	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
U.S. 60 & 62 (OLD CAIRO BRIDGE) OVER MISSISSIPPI RIVER
SN 002-0005
SHEET NO. 1 OF 4 SHEETS

F.A.S. RTE	SECT	ΠON		COUNTY	TOTAL SHEETS	SHEET NO.
944	l4 (138D-BR)I-9		ALEXANDER	9	6	
				CONTRACT	NO. 78	877
ILLINOIS FED A				D PROJECT		



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CHECKED -	ATH		1 -14		
DRAWN -	STEFFEN	PASSED	Jayne F. Jeliff	REVISED	-
CHECKED -	VHV ATH	1	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	-

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
944	944 (138D-BR)I-9		ALEXANDER	9	7
·			CONTRACT	NO. 78	877
ILLINOIS FED. AI			D PROJECT		

