

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	1
		ILLINOIS	CONTRACT NO. 72L58	

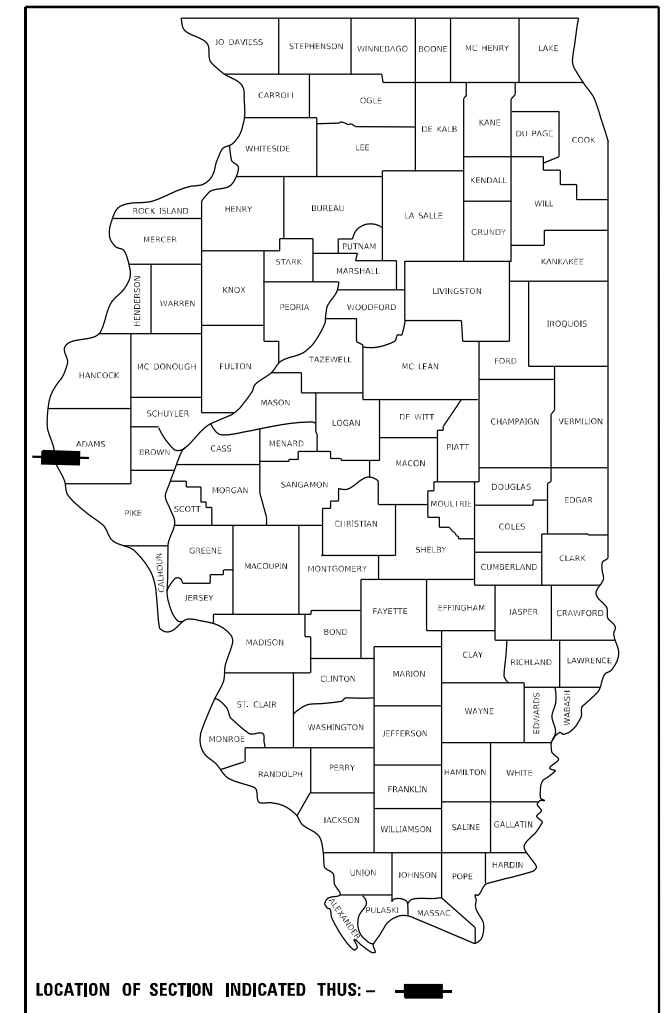
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- 63-78 LIGHTING SYSTEM IMPROVEMENTS

PROPOSED HIGHWAY PLANS

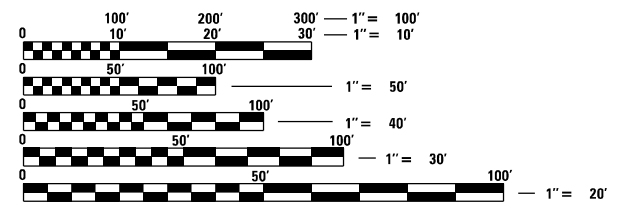
FAP ROUTE 63 (US 24)
SECTION (1ZB)BP,BRR,BJR-1,BDR,L
PROJECT NHPP-MIS2(084)
QUINCY MEMORIAL BRIDGE REPAIR
ADAMS COUNTY,IL /MARION COUNTY,MO

D-96-023-20



FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL

US 24 WESTBOUND BAYVIEW BRIDGE	US 24 EASTBOUND MEMORIAL BRIDGE
2019 ADT = 8,700	2019 ADT = 7,525
PV = 7,775 (89.4%)	PV = 6,947 (92.3%)
MU = 375 (4.3%)	MU = 375 (5.0%)
SU = 550 (6.3%)	SU = 203 (2.7%)



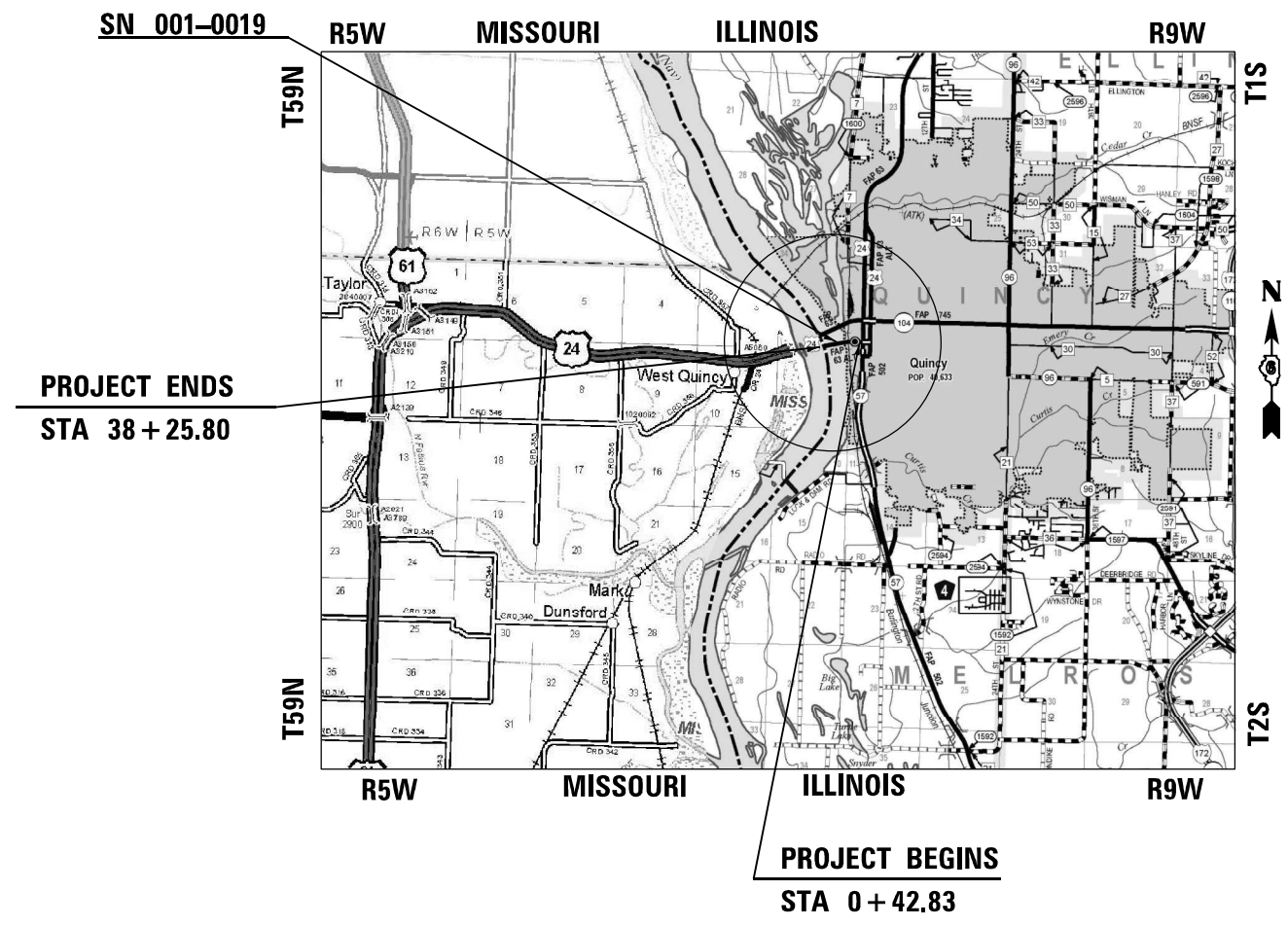
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: JON KELLEY PH (217) 785-2735
PROJECT MANAGER: CHRIS SIEFERT PH (217) 524-7940

CONTRACT NO. 72L58

C-96-037-20



GROSS LENGTH = 11,468 FT. = 2.172 MILE
NET LENGTH = 11,468 FT. = 2.172 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 25, 2020

Jeff P. Myer
REGIONAL ENGINEER

October 2, 2020
Scott A. Clark
ENGINEER OF DESIGN AND ENVIRONMENT

October 2, 2020
James J. Quinn
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE DISTRICT 6 BUREAU OF OPERATIONS AT 217-782-7314 THREE WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL.
2. THE CONTRACTOR SHALL NOTIFY BRIAN UNTIEDT OF MoDOT AT (573) 248-6284 THREE (3) WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL.

COMMITMENTS

NONE.

HIGHWAY STANDARDS

000001-07
 001001-02
 001006
 606301-04
 701101-05
 701106-02
 701422-10
 701426-09
 701901-08
 780001-05
 805001-01
 814001-03
 878001-10
 880001-01


RATES OF APPLICATION USED TO CALCULATE PLAN QUANTITIES


HMA SURFACE/BINDER COURSE	0.056 TONS/(SQ YD - IN)
BITUMINOUS MATERIALS - TACK COAT	0.05 LBS/SQ FT


MIXTURE REQUIREMENTS

MIXTURE USE:	WATERPROOFING	HMA SURFACE	HMA SHOULDERS
PG:	SBS PG 70-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION:	IL 4.75	IL 9.5 FG	IL 9.5
FRICTION AGGREGATE:	N/A	MIX D	MIX C
QUALITY MANAGEMENT:	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 DISTRICT 6**

EXAMINED August 10 2020

ENGINEER OF OPERATIONS

EXAMINED August 11 2020

ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED August 21 2020

ENGINEER OF PROGRAM DEVELOPMENT

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PPS: 6-01120-0000

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN	
				CONSTR. CODE	CONSTR. CODE
				NHPP 80/20 ILLINOIS/ADAMS	100% MISSOURI/ADAMS
				BRIDGE 0013	BRIDGE 0013
		S.N. 001-0019		S.N. 001-0019	
35400400	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9"	SQ YD	10	5	5
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	5800	2900	2900
40604010	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N50	TON	1125	562.5	562.5
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1408	704	704
48203100	HOT-MIX ASPHALT SHOULDERS	TON	159	79.5	79.5
50102400	CONCRETE REMOVAL	CU YD	113.5	56.75	56.75
50300255	CONCRETE SUPERSTRUCTURE	CU YD	134.7	65.35	65.35
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	49340	24670	24670
52000110	PREFORMED JOINT STRIP SEAL	FOOT	1120	560	560
52100520	ANCHOR BOLTS, 1"	EACH	8	4	4
60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	12	6	6
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	18	9	9
60619200	CONCRETE MEDIAN, TYPE SB-6.06	SQ FT	8	4	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	1	1

* SPECIALTY ITEM

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PPS: 6-01120-0000

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN	
				CONSTR. CODE	CONSTR. CODE
				NHPP 80/20 ILLINOIS/ADAMS	100% MISSOURI/ADAMS
				BRIDGE 0013 S.N. 001-0019	BRIDGE 0013 S.N. 001-0019
63200310	GUARDRAIL REMOVAL	FOOT	100	50	50
64300240	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	1	0.5	0.5
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24	12	12
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100315	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	EACH	1	0.5	0.5
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	974	487	487
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	1	1
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	15.6	7.8	7.8
* 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	18985	9492.5	9492.5
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	261	130.5	130.5
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	18	9	9
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	12	6	6
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	0.5	0.5
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	55	27.5	27.5

* SPECIALTY ITEM

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PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____		SCALE: NONE	SHEET 2	OF 5 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 72L58			
PLOT DATE = 8/25/2020	DATE - _____	REVISED - _____		ILLINOIS FED. AID PROJECT								

PPS: 6-01120-0000

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN	
				CONSTR. CODE	CONSTR. CODE
				NHPP 80/20 ILLINOIS/ADAMS	100% MISSOURI/ADAMS
				BRIDGE 0013 S.N. 001-0019	BRIDGE 0013 S.N. 001-0019
* 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	27	13.5	13.5
* 81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	5710	2855	2855
* 81300400	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 10" X 6" X 4"	EACH	6	3	3
* 81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	3860	1930	1930
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	7720	3860	3860
* 81702420	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8	FOOT	2115	1057.5	1057.5
* 82110005	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E	EACH	18	9	9
* 82600105	NAVIGATION OBSTRUCTION LIGHTING CONTROLLER	EACH	1	0.5	0.5
* 83000200	LIGHT POLE, ALUMINUM, 30 FT. M.H., 6 FT. DAVIT ARM	EACH	12	6	6
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	10	5	5
* 83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	2	1	1
* 84301200	REMOVAL OF NAVIGATION OBSTRUCTION WARNING LIGHTING SYSTEM	L SUM	1	0.5	0.5
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	96.6	48.3	48.3
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3	1.5	1.5

* SPECIALTY ITEM

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PLOT DATE = 8/25/2020	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 3 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	5
			CONTRACT NO. 72L58	
ILLINOIS FED. AID PROJECT				

PPS: 6-01120-0000

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN	
				CONSTR. CODE	CONSTR. CODE
				NHPP 80/20 ILLINOIS/ADAMS BRIDGE 0013	100% MISSOURI/ADAMS BRIDGE 0013
				S.N. 001-0019	S.N. 001-0019
* 89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	1	0.5	0.5
* 89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1	0.5	0.5
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	78	39	39
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1	0.5	0.5
X0325541	REMOVE EXISTING LIGHTING SYSTEM	L SUM	1	0.5	0.5
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	4657.6	2328.8	2328.8
X0328000	REMOVE IMPACT ATTENUATORS, STATE OWNED	EACH	1	0.5	0.5
X0600004	CAULKING STRUCTURAL STEEL CONNECTIONS	GALLON	50	25	25
X0900070	FULL LANE SEALANT WATERPROOFING SYSTEM	SQ YD	9209	4604.5	4604.5
* X1400371	MAST ARM, STREET LIGHTING, 4'	EACH	6	3	3
X4403300	CONCRETE MEDIAN REMOVAL	SQ FT	108	54	54
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.5	0.5
* X8110453	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA. STAINLESS STEEL	FOOT	180	90	90

* SPECIALTY ITEM

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DRAWN - _____	REVISIONS - _____	REVISIONS - _____		63	(12B)BP,BRR,BJR-1,BDR,L	ADAMS	78	6				
PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISIONS - _____		SCALE: NONE	SHEET 4	OF 5 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 72L58			
PLOT DATE = 8/25/2020	DATE - _____	REVISIONS - _____		ILLINOIS FED. AID PROJECT								

PPS: 6-01120-0000

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN	
				CONSTR. CODE	CONSTR. CODE
				NHPP 80/20 ILLINOIS/ADAMS	100% MISSOURI/ADAMS
				BRIDGE 0013	BRIDGE 0013
				S.N. 001-0019	S.N. 001-0019
X8140215	HEAVY-DUTY HANDHOLE TO BE ADJUSTED	EACH	1	0.5	0.5
* X8210402	LUMINAIRE MOUNTING BRACKET - SPECIAL	EACH	6	3	3
* X8260112	MAINTENANCE OF NAVIGATION LIGHTING SYSTEM	CAL MO	6	3	3
* 82200605	WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED	EACH	10	5	5
* Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	0.5	0.5
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	3,512	1,756	1,756
Z0001905	STRUCTURAL STEEL REPAIR	POUND	53000	26500	26500
Ø Z0076600	TRAINEES	HOUR	3000	3000	
Z0003500	BEAM STRAIGHTENING	EACH	1	0.5	0.5
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	3000	3000	
* Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	0.5	0.5
Z0048665	RAILROAD PROTECTION LIABILITY INSURANCE	L SUM	1	0.5	0.5
Z0004556	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	9089	4544.5	4544.5

* SPECIALTY ITEM

Ø 0042

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PLOT DATE = 8/25/2020	CHECKED - _____	REVISED - _____		SCALE: NONE SHEET 5 OF 5 SHEETS STA. N/A TO STA. N/A				CONTRACT NO. 72L58				
	DATE - _____	REVISED - _____		ILLINOIS FED. AID PROJECT								

PAVEMENT MARKING SCHEDULE									
LOCATION	STATION	TO	STATION	TYPE	LENGTH FOOT	REMOVAL SQ FT	5" MODIFIED URETHANE FOOT	6" MODIFIED URETHANE FOOT	COLOR
BAY VIEW BRIDGE	245+00		249+50	SKIP-DASH & EDGE LINE	562.50	234.4	562.50		WHITE SKIP-DASH/YELLOW EDGE
	249+50		255+25	SKIP-DASH & EDGE LINE	718.75	299.5	718.75		WHITE SKIP-DASH/YELLOW EDGE
	255+25		261+00	SKIP-DASH & EDGE LINE	718.75	299.5	718.75		WHITE SKIP-DASH/YELLOW EDGE
	261+00		266+75	SKIP-DASH & EDGE LINE	718.75	299.5	718.75		WHITE SKIP-DASH/YELLOW EDGE
	266+75		272+50	SKIP-DASH & EDGE LINE	718.75	299.5	718.75		WHITE SKIP-DASH/YELLOW EDGE
	272+50		273+15.06	SKIP-DASH & EDGE LINE	81.33	33.9	81.33		WHITE SKIP-DASH/YELLOW EDGE
	38+97.14		44+00	SKIP-DASH & EDGE LINE	628.58	261.9	628.58		WHITE SKIP-DASH/YELLOW EDGE
	44+00		49+75	SKIP-DASH & EDGE LINE	718.75	299.5	718.75		WHITE SKIP-DASH/YELLOW EDGE
	49+75		55+50	SKIP-DASH & EDGE LINE	718.75	299.5	718.75		WHITE SKIP-DASH/YELLOW EDGE
	55+50		61+25	SKIP-DASH & EDGE LINE	718.75	299.5	718.75		WHITE SKIP-DASH/YELLOW EDGE
	61+25		67+00	SKIP-DASH & EDGE LINE	718.75	299.5	718.75		WHITE SKIP-DASH/YELLOW EDGE
	67+00		72+75	SKIP-DASH & EDGE LINE	718.75	299.5	718.75		WHITE SKIP-DASH/YELLOW EDGE
	72+75		78+50	SKIP-DASH & EDGE LINE	718.75	299.5	718.75		WHITE SKIP-DASH/YELLOW EDGE
	78+50		84+25	SKIP-DASH & EDGE LINE	718.75	299.5	718.75		WHITE SKIP-DASH/YELLOW EDGE
	84+25		90+00	SKIP-DASH & EDGE LINE	718.75	299.5	718.75		WHITE SKIP-DASH/YELLOW EDGE
90+00		95+00	SKIP-DASH & EDGE LINE	625.00	260.4	625.00		WHITE SKIP-DASH/YELLOW EDGE	
WB BROADWAY @ 3RD STREET	95+80		97+96	SKIP-DASH	270.00	112.5	270.00		WHITE SKIP-DASH
	95+80		97+96	LT TURN LANE	216.00			216.00	WHITE EDGE - LT TURN LANE
WB BROADWAY @ 4TH STREET	97+95		99+62	SKIP-DASH & EDGE LINE	208.75	87.0	208.75		WHITE SKIP-DASH/YELLOW EDGE
	100+44		103+72	SKIP-DASH	82.00	34.2	82.00		WHITE SKIP-DASH
MEMORIAL BRIDGE	36+52.50		1+40.83		3511.67		3511.67		WHITE EDGE - LT
	36+52.50		1+40.83		877.92		877.92		WHITE SKIP-DASH - CENTERLINE
	36+52.50		1+40.83		3511.67		3511.67		YELLOW EDGE - RT
PROJECT TOTAL						4618.00	18985.00	216.00	

SHOULDERS									
LOCATION	STATION	TO	STATION	TYPE	LENGTH FOOT	AREA SQ FT	HMA SURF REM, 2" SQ YD	TACK COAT POUND	HOT-MIX ASPHALT SHOULDERS, 2" TON
BAY VIEW BRIDGE - WESTBOUND	LT	40+00	47+44	PAVED SHOULDER	744.00	7015.0	780.0	351.0	88.00
	RT	40+00	47+44	PAVED SHOULDER	744.00	5650.0	628.0	283.0	71.00
PROJECT TOTAL						12665.00	1408.00	634.00	159.00

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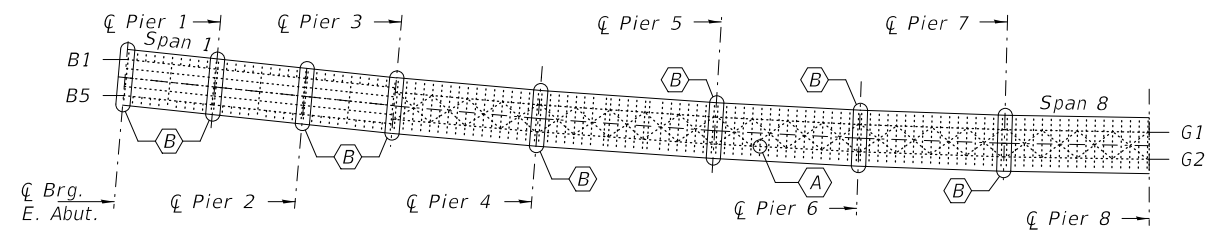
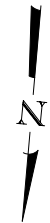
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PLOT DATE = 8/24/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

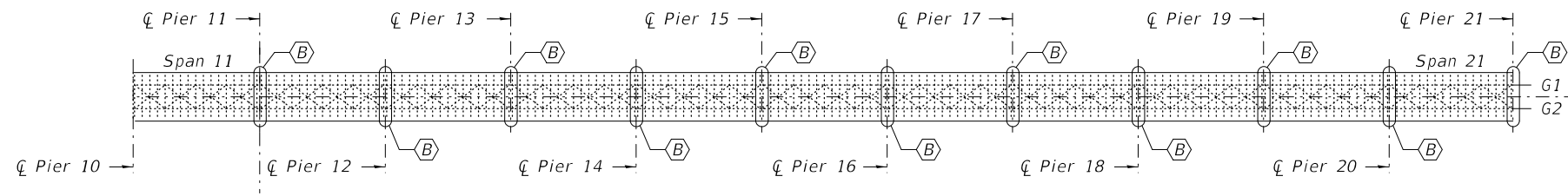
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B)BP,BRR,BJR-1,BDR,L	ADAMS	78	8
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

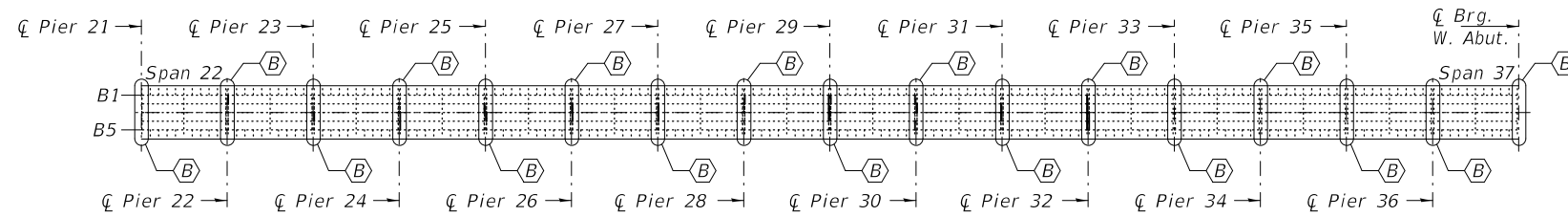


PLAN EAST APPROACH
(Spans 1-8)

- (A) - Floor Beam Repair (weld) see sheet 8
- (B) - Joint Removal and Replacement



PLAN WEST APPROACH
(Spans 11-21)



PLAN WEST APPROACH
(Spans 22-37)

Notes:
See sheet 2 of 34 for Truss spans.
See sheet 3 of 34 for Total Bill of Material and the General Notes.



EXPIRES 11-30-2020

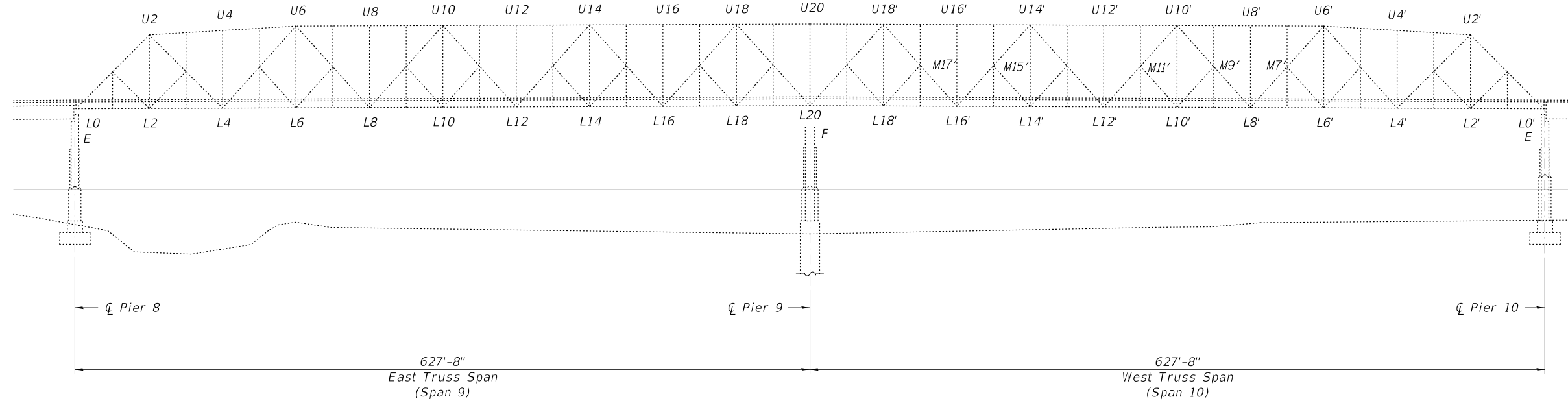
DESIGNED - JEFFREY S. BURKE	EXAMINED - <i>Twig A. Beck</i>	DATE - OCTOBER 5, 2020
CHECKED - VICTOR H. VELIZ	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - <i>daburdell</i>	PASSED - <i>Dr. Carl Puzey</i>	REVISED -
CHECKED - JSB VHV	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

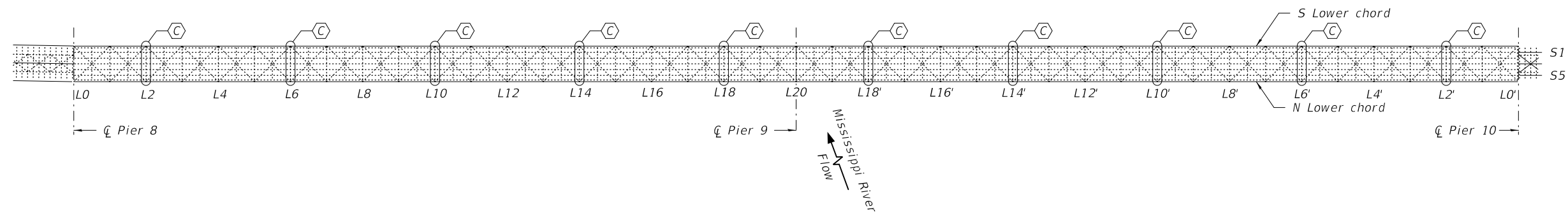
PLAN APPROACH SPANS
U.S. 24 (E.B.) OVER THE MISSISSIPPI RIVER
SN 001-0019

SHEET NO. 1 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB),BP,BRR,BJR-1,BDR,L	ADAMS	78	9
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



ELEVATION TRUSS



PLAN TRUSS

⬡ - Relief Joint Repair

DESIGNED - JSB
 CHECKED - VHV
 DRAWN - daburdell Steffen
 CHECKED - JSB VHV

EXAMINED
 PASSED
 ENGINEER OF STRUCTURAL SERVICES
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - OCTOBER 5, 2020
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN APPROACH SPANS
 U.S. 24 (E.B.) OVER THE MISSISSIPPI RIVER
 SN 001-0019**

SHEET NO. 2 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB),BP,BRR,BJR-1,BDR,L	ADAMS	78	10
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted. Fasteners shall be high strength bolts. Bolts 7/8"Ø, open holes 1 5/16"Ø, unless otherwise noted. Reinforcement bars designated (E) shall be epoxy coated. 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. Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Structural Steel Repair. The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure. Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F. 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. The Contractor shall ensure that no damage is done to any material that is to remain. Any damage is to be repaired, at the cost of the Contractor, to the satisfaction of the Engineer. The Contractor is required to provide Structural Assessment Report(s) for the proposed work. See Special Provision. The Contractor shall retain the services of an engineering firm, prequalified in the IDOT consultant selection category of Highway Bridges (Complex), for preparation of the Structural Assessment Report(s). Contractor's pre-approval shall not be applicable for this project. See Special Provision.

CURRENT RATINGS ON FILE FOR EXISTING STRUCTURE:

Inventory: HS 0.62
 Operating: HS 1.19
 Live Load Restrictions: Legal Loads only

Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractors equipment. The Contractor is advised that the existing structure contains members that are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal, or replacement of the structure. An Existing Structure Information Package is available on request as noted in the Special Provisions. Full closure is required for bituminous surface milling and overlay, joint replacements and structural steel repairs in the truss spans (9 & 10). The remainder of the work may utilize staged construction with single lane closures. During full closure, traffic shall be diverted to two-way traffic on Bayview Bridge utilizing crossover transitions at each end of the bridge.

GENERAL NOTES CON'T.

Cleaning & painting of all contact surfaces shall meet the requirements for Primary Connections as specified in the special provision for "Cleaning and Painting Contact Surface Areas of Existing Steel Structures" except as noted. All structural steel shall be cleaned per Near White Blast Cleaning (SSPC- SP10). The designated areas cleaned per Near White Blast Cleaning (SSPC- SP10) shall be painted according to the requirements of Inorganic Zinc Rich Primer/Acrylic/Acrylic Paint System. The color of the final finish coat for all steel surfaces specified shall be Blue, Munsell No 10B 3/6. Caution shall be used to not damage the galvanizing of the new electrical conduit during the cleaning. The Contractor shall submit calculations and details demonstrating the structural integrity of the bridge is maintained under the additional imposed loads of the containment system. See special provisions. Containment of cleaning residue is required to control nuisance dust. See special provisions. SSPC QP1 (and SSPC QP2) Certification is required for this Contract. All new structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Structural Steel Repair. The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be Blue, Munsell No. 10B 3/6. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the GBSP "Cleaning and Painting Contact Surface Areas of Existing Steel Structures". Cleaning and painting of existing structural steel shall be paid for as "Cleaning and Painting Steel Bridge", at the locations specified. Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". The areas of structural steel to be cleaned and painted are as follows:

Beam Spans (1-3, 22-37): Clean and paint fascia beams 100% full length; plus 100% of all beams, bearings and other structural steel within five (5) feet (measured along the beam) on either side of deck joints.


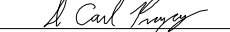
Girder Spans (4-8, 11-21): Clean and paint girders Splash Zone only (exterior surfaces and bottom of the bottom flange); 100% of floor beam that overhangs outside the girders; 100% of floor beams at deck joints; and 100% of girder, five (5) feet away from joints.

Truss Spans (9 & 10): Clean and paint 100% of truss to fourteen (14) feet above deck; 100% of floor beam from truss to first stringer; floor beam and all stringers five (5) feet (measured along the beam) on either side of deck joints (including existing finger plate joints); 100% of fascia stringer; and 100% of bottom chord lateral bracing located outside the fascia stringer.

Additional locations of previous repairs shall be marked by the Engineer in the field for cleaning and painting. The approximate quantity of these additional locations is 1290 Sq. Ft.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	113.5
Concrete Superstructure	Cu. Yd.	134.7
Reinforcement Bars, Epoxy Coated	Pound	49340
Structural Steel Repair	Pound	53000
Prefomed Joint Strip Seal	Foot	1120
Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.	9089
Hot-Mix Asphalt Surface Course, IL-9.5FG, Mix "D", N50	Ton	1125
Full Lane Sealant Waterproofing System	Sq. Yd.	9209
Anchor Bolts, 1"	Each	8
Straighten Bent Member	Each	1
Cleaning and Painting Steel Bridge, No. 1	L. Sum	1
Containment and Disposal of Lead Paint Cleaning Residues	L. Sum	1
Caulking Structural Steel Connections	Gallon	50

DESIGNED - JSB	EXAMINED	DATE - OCTOBER 5, 2020
CHECKED - VHV		
DRAWN - daburdell Steffen	PASSED	REVISED -
CHECKED - JSB VHV		REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES & BILL OF MATERIAL
 SN 001-0019**

SHEET NO. 3 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B),BP,BRR,BJR-1,BDR,L	ADAMS	78	11
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

JOINT REPLACEMENT
(All Spans)

Repair	Location	Sheet No.
B & C	Install new Preformed Strip Seals at Both Abutments, Piers 1 thru 7, Truss Span Relief Joints, and Piers 11 thru 36	6 - 11

FLOORBEAM REPAIRS
(Spans 6, 7 & 11)

Item No.	Location	Sheet No.
765	Sp. 6, FB 6, at G2	12
365	Sp. 7, FB 5, at N. end under light pole & edge of deck	7

FLOORBEAM REPAIRS
(Spans 9 & 10)

Item No.	Location	Sheet No.
103	Sp. 9, FB 0, Below Stringers 1, 2, 3 & 5	15
767	Sp. 9, FB 6, at S. end	15
569	Sp. 9, FB 7, N. end at Stringer 5, S. End	15
28	Sp. 9, FB 8, at L8N & at Stringer 5	14
35	Sp. 9, FB 14, 5' from L14N, Pan 15 & 5' from L14S	14
217	Sp. 9, FB 16, N. & S. ends	16
37	Sp. 9, FB 18, Top Flange	16
47	Sp. 10, FB 14', 5' from L14'N & 1' from L14'S	15
50	Sp. 10, FB 10', Full length	16
51	Sp. 10, FB 9', 1' from L9'S & L9'N	16
52	Sp. 10, FB 6', 5' from L6'S	17
54	Sp. 10, FB 3', 5' from L3'S, Pan 4', at Stringer 5	17
55	Sp. 10, FB 2', 2' from L2'S btwn. Stringers 3 & 4	17
647	Sp. 10, FB 1', 3' from L1'N	17

DIAPHRAGM REPLACEMENT
(Span 37)

Item No.	Location	Sheet No.
747	Sp. 37, Pier 31 btwn. Beams 1 & 2	32

LACING REPAIR
(Spans 9 & 10)

Item No.	Location	Sheet No.
555	Sp. 9, L4S-M5S, 4th & 16th Lacing from L4S	30
214	Sp. 10, L15N-L16N, 16th & 22nd Lacing from L16N	30
607	Sp. 9, at L20N (Diaphragm Plate)	31
615	Sp. 10, at L20S, 1st, 2nd & 3rd Lacing from L20S	31

MISSING GUARDRAIL BOLTS

Actual location & bolt size to be determined in the field. See Detail A.

Item No.	Span	Member	Location	Total Missing
152	6	S. Rail	40' E. of P6	1
	28	S. Rail	10' W. of P27	1
	37	S. Rail	17' E. of W. Abut.	* 4

* Misdriilled holes

GUSSET PLATE REPAIRS
(Span 9)

Item No.	Location	Sheet No.
215	Sp. 9, L16S outside plate	29
216	Sp. 9, L16S inside plate	29

SWAY BRACING REPAIRS
(Span 9)

Item No.	Location	Sheet No.
26	Sp. 9, Panel Point 7	33

BEARING KNEE BRACE REPAIRS
(Span 9)

Item No.	Location	Sheet No.
226	Sp. 9, N. Truss, Inside Knee	33

LATERAL BRACING REPAIRS
(Span 17)

Item No.	Location	Sheet No.
473	Sp. 17, Girder 2 at F.B. 5	33

BEARING REPAIRS
(Spans 5 thru 8 & 11 thru 20)

Item	Span	Girder	Location	Sheet
527	5	2	at F.B. 2	12
532	6	2	at F.B. 17	
765	6	2	at F.B. 2	
726	7	2	at F.B. 1	
165	8	1 & 2	at Pier 8	
458	11	2	at F.B. 13	
286	14	1	at F.B. 7	
478	18	1	at Pier 17	
479	18	2	at Pier 17	
485	19	1	at Pier 18	
492	20	1	at Pier 19	
293	20	1 & 2	at F.B. 17	

LADDER REPAIRS
(Spans 32 & 33)

Item No.	Location	Sheet No.
512	South End of Pier 32	34

DRAIN REPAIRS
(Spans 6-8, 26, 30 & 34)

Item No.	Location
533	Sp. 6-7, N. End of Pier 6
434	Sp. 7-8, N. End of Pier 7
298	Sp. 26, N. Fascia, 12' East of Pier 26
763	Sp. 30, N. Side, Mid-span
612	Sp. 34, N. Side, 1st & 2nd Drain W. of Pier 33

Note:
All Item Nos. are based on the 2019 NBIS Inspection Report.

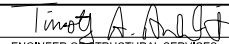
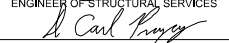
BEAM REPAIRS
(Spans 1, 2, 22 thru 35 & 37)

Item No.	Location	Sheet No.
724	Span 1, Beam B1, at E. Abut.	20
426	Span 2, Beam B1, 5' W. of C, midspan	20
759	Span 22, Beam B1, at P21	21
495	Span 22, Beam B1, midspan	21
693	Span 22, Beam B5, throughout	21
697	Span 23, Beam B2, at P23	22
696	Span 23, Beam B5, 10' from P23, at P23	22
701	Span 24, Beam B1 & B5, 12' E. of P24	22
409	Span 24, Beam B1, throughout	23
411	Span 25, Beam B1, throughout	23
499	Span 26, Beam B1, 5' E. of midspan	24
297	Span 26, Beam B5, full length	24
504	Span 27, Beam B1, midspan	25
413	Span 27, Beam B5, at P27, E. side, midspan	22 & 25
414	Span 28, Beam B1, midspan, S. side	25
720	Span 29, Beam B5, at midspan	26
419	Span 30, Beam B1, midspan, S. side	26
99	Span 31, Beam B1, midspan	27
420	Span 31, Beam B5, throughout	26
301	Span 32, Beam B1, midspan	27
302	Span 32, Beam B5, midspan	27
515	Span 33, Beam B5, 2' E. of midspan	27
421	Span 34, Beam B1, 5' E. of midspan, S. side, 5' long	27
422	Span 34, Beam B5, 2' E. of midspan	28
304	Span 35, Beam B5, 5' E. of midspan	28
709	Span 37, Beam B1, 5' E. of C	28

STRINGER REPAIRS
(Spans 9 & 10)

Item No.	Location	Sheet No.
537	Sp. 9, Stringer 1, throughout Pan 1	18
	Sp. 9, Stringer 1, 5' from FB 1, Pan 2	19
	Sp. 9, Stringer 1, 8' from FB 2, Pan 2	19
	Sp. 9, Stringer 5, throughout Pan 2	18
	Sp. 9, Stringer 5, throughout Pan 3	18
	Sp. 9, Stringer 1, 8' from FB 3, Pan 3	19
	Sp. 9, Stringer 1, throughout Pan 4	18
	Sp. 9, Stringer 1, throughout Pan 6	18
	Sp. 9, Stringer 1, throughout Pan 11	18
	Sp. 9, Stringer 1, throughout Pan 12	18
	Sp. 9, Stringer 5, throughout Pan 12	18
	Sp. 9, Stringer 5, throughout Pan 13	18
	Sp. 9, Stringer 1, 8' from FB 14, Pan 14	18
	Sp. 9, Stringer 5, throughout Pan 14	19
	Sp. 9, Stringer 1, throughout Pan 15	18
	Sp. 9, Stringer 5, throughout Pan 15	18
	Sp. 9, Stringer 5, throughout Pan 16	18
	Sp. 9, Stringer 5, 0' from FB 18, Pan 19	18
	Sp. 10, Stringer 1, throughout Pan 16', Pan 17'	19
	Sp. 10, Stringer 5, 10' from FB 16', Pan 17'	19
	Sp. 10, Stringer 1, at FB 10', Pan 11'	19
	Sp. 10, Stringer 1, at FB 10', Pan 10'	19
	Sp. 10, Stringer 1, at FB 7', Pan 8'	19
	Sp. 10, Stringer 5, 6' from FB 7', Pan 7'	19
Sp. 10, Stringer 1, 6' from FB 5', Pan 6'	19	
Sp. 10, Stringer 5, at FB 2', Pan 2'	19	
730	Sp. 9, Stringer 4, at FB 10, Pan 11	18

DESIGNED - JSB
CHECKED - VHV
DRAWN - daburdell Steffen
CHECKED - JSB VHV

EXAMINED
PASSED


 ENGINEER OF STRUCTURAL SERVICES
 ENGINEER OF BRIDGES AND STRUCTURES

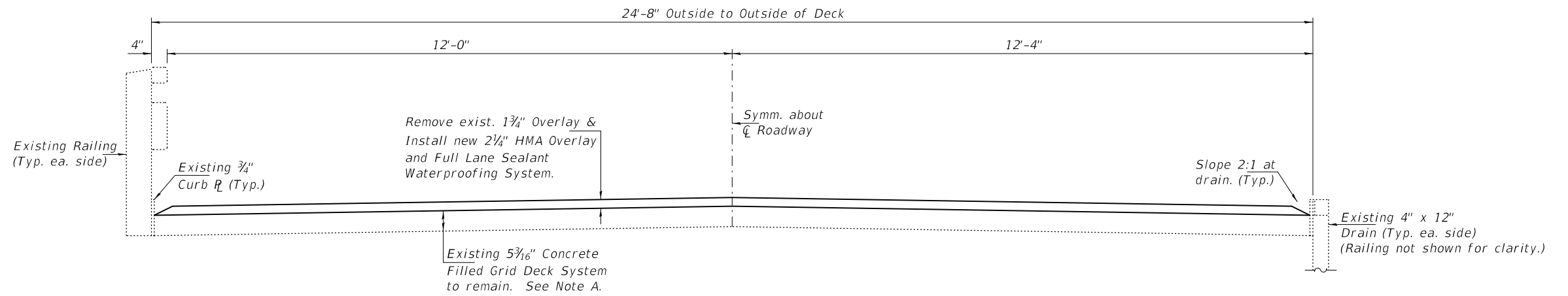
DATE - OCTOBER 5, 2020
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

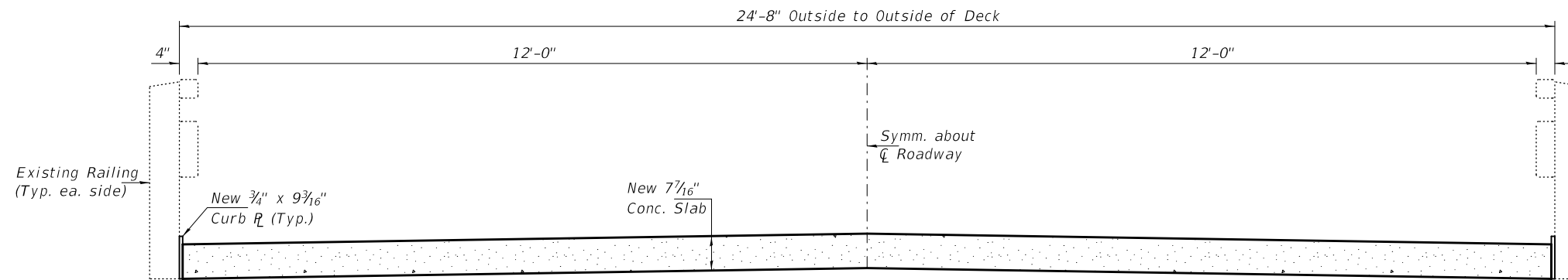
SCOPE OF WORK
SN 001-0019

SHEET NO. 4 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B),BP,BRR,BJR-1,BDR,L	ADAMS	78	12
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

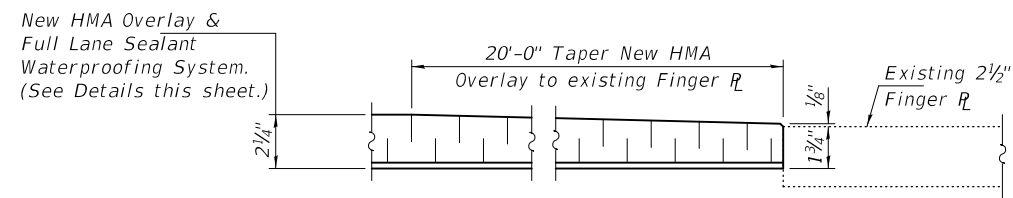


CROSS-SECTION THRU DECK AT MID-SPAN

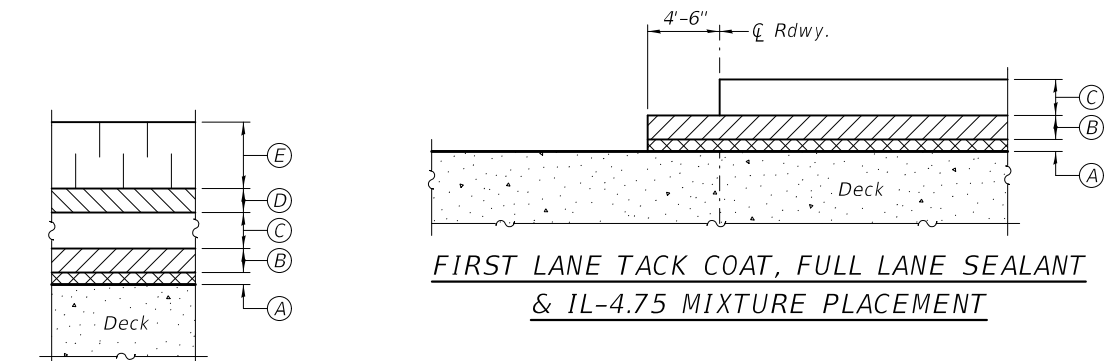


CROSS-SECTION THRU DECK AT NEW JOINTS

Note A:
The Contractor must ensure that no damage is done to the existing grid to remain and the supporting stringers during removal operations. Any damage shall be repaired, to the satisfaction of the Engineer at the Contractor's expense.



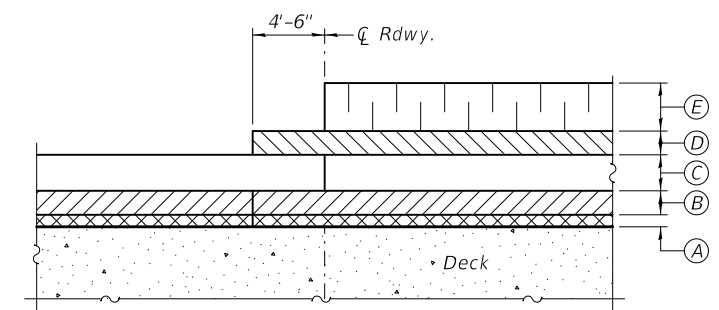
H.M.A. OVERLAY TREATMENT AT EXISTING FINGER PLATE JOINTS
(at Piers 8 & 10)



FULL LANE SEALANT SYSTEM DIAGRAM

FULL LANE SEALANT LEGEND

- (A) - 0.05 lb./sq. ft. Tack Coat
- (B) - 0.25 lb./sq. ft. Full Lane Sealant
- (C) - 0.75 inches IL-4.75 Mixture
- (D) - 0.15 lb./sq. ft. Full Lane Sealant
- (E) - 1.5 inches IL-9.5FG Mixture



FIRST LANE FULL LANE SEALANT & IL-9.5FG MIXTURE PLACEMENT

DESIGNED - JSB
CHECKED - VHV
DRAWN - daburdell Steffen
CHECKED - JSB VHV

EXAMINED	<i>Timothy A. Doolittle</i> ENGINEER OF STRUCTURAL SERVICES
PASSED	<i>Carl R. Steffen</i> ENGINEER OF BRIDGES AND STRUCTURES

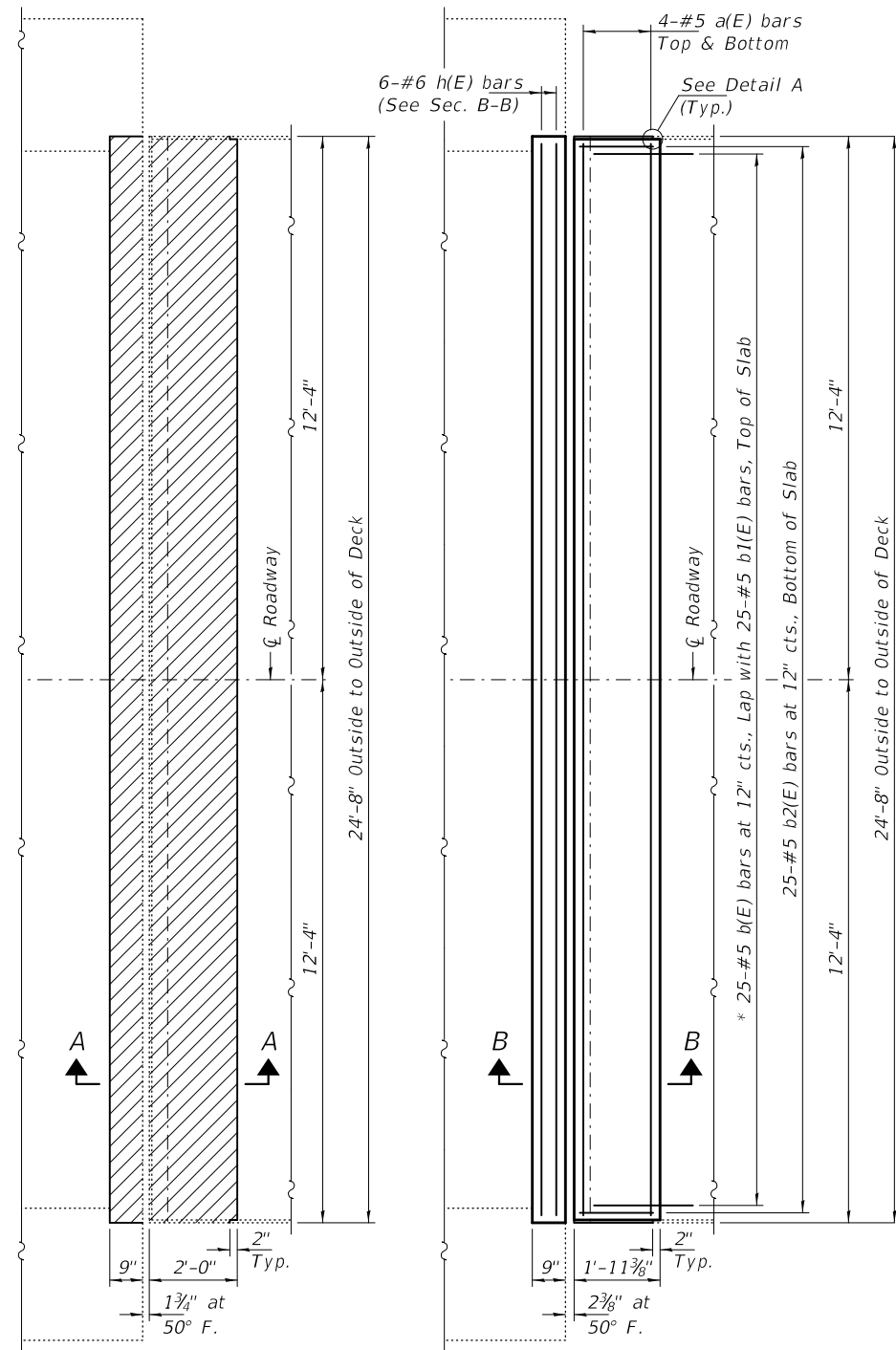
DATE - OCTOBER 5, 2020
REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERLAY DETAILS
SN 001-0019**

SHEET NO. 5 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB),BP,BRR,BJR-1,BDR,L	ADAMS	78	13
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



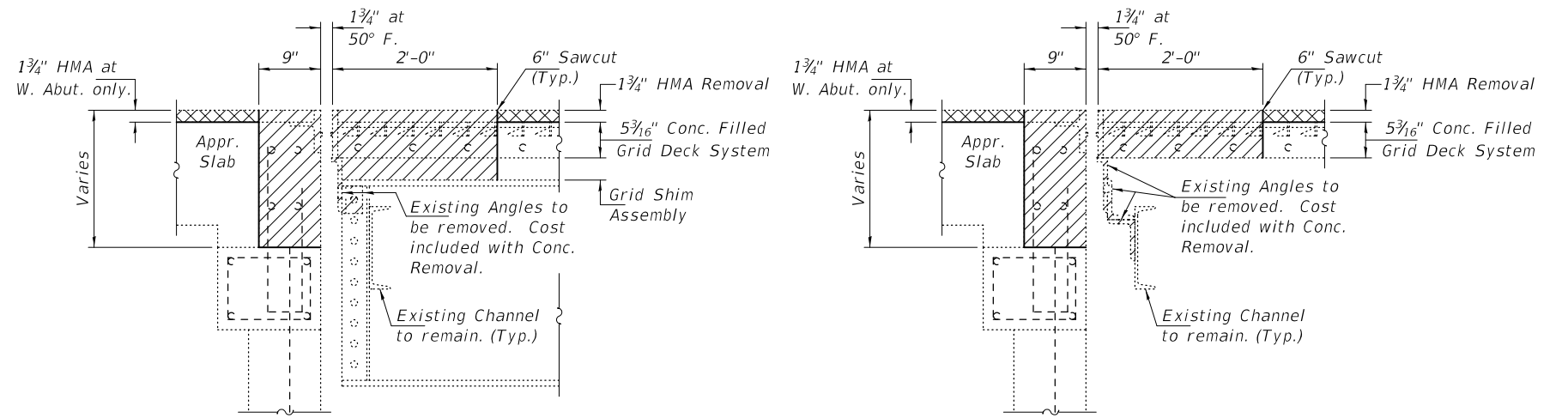
**CONCRETE REMOVAL PLAN
EAST & WEST ABUTMENT**

**CONCRETE REPLACEMENT PLAN
EAST & WEST ABUTMENT**

NOTES:
 For Detail "A" see sheet 11 of 34.
 Hatched areas indicate Concrete Removal.
 Cross Hatched areas indicate HMA Removal.
 The Contractor must ensure that no damage is done to the existing grid to remain and the supporting stringers during removal operations. Any damage shall be repaired, to the satisfaction of the Engineer at the Contractor's expense.

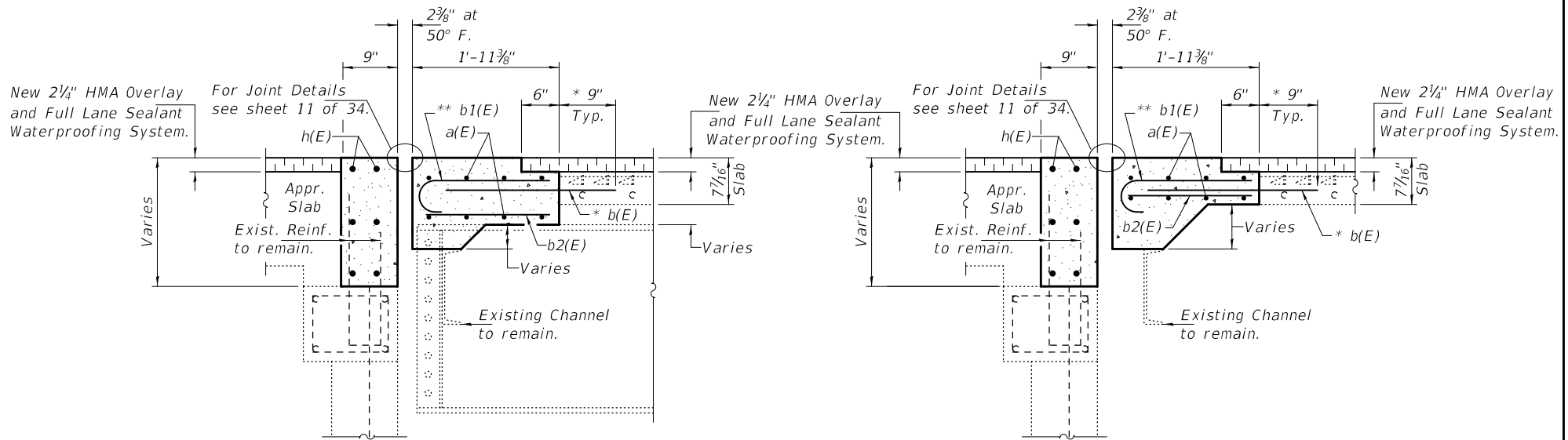
* Epoxy grout b(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

** Tilt hook of b1(E) bars as necessary for 1 1/2" min. cl.



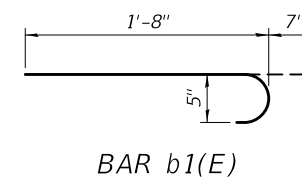
**SECTION A-A
AT BEAMS**

**SECTION A-A
BETWEEN BEAMS**



**SECTION B-B
AT BEAMS**

**SECTION B-B
BETWEEN BEAMS**



BAR b1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	16	#5	24'-4"	—
b(E)	50	#5	2'-4"	—
b1(E)	50	#5	2'-3"	—
b2(E)	50	#5	1'-7"	—
h(E)	6	#6	24'-4"	—
Concrete Removal			Cu. Yd.	5.3
Concrete Superstructure			Cu. Yd.	5.8
Reinforcement Bars, Epoxy Coated			Pound	1170

DESIGNED - JSB
 CHECKED - VHV
 DRAWN - daburdell Steffen
 CHECKED - JSB VHV

EXAMINED
 PASSED
 ENGINEER OF STRUCTURAL SERVICES
 ENGINEER OF BRIDGES AND STRUCTURES

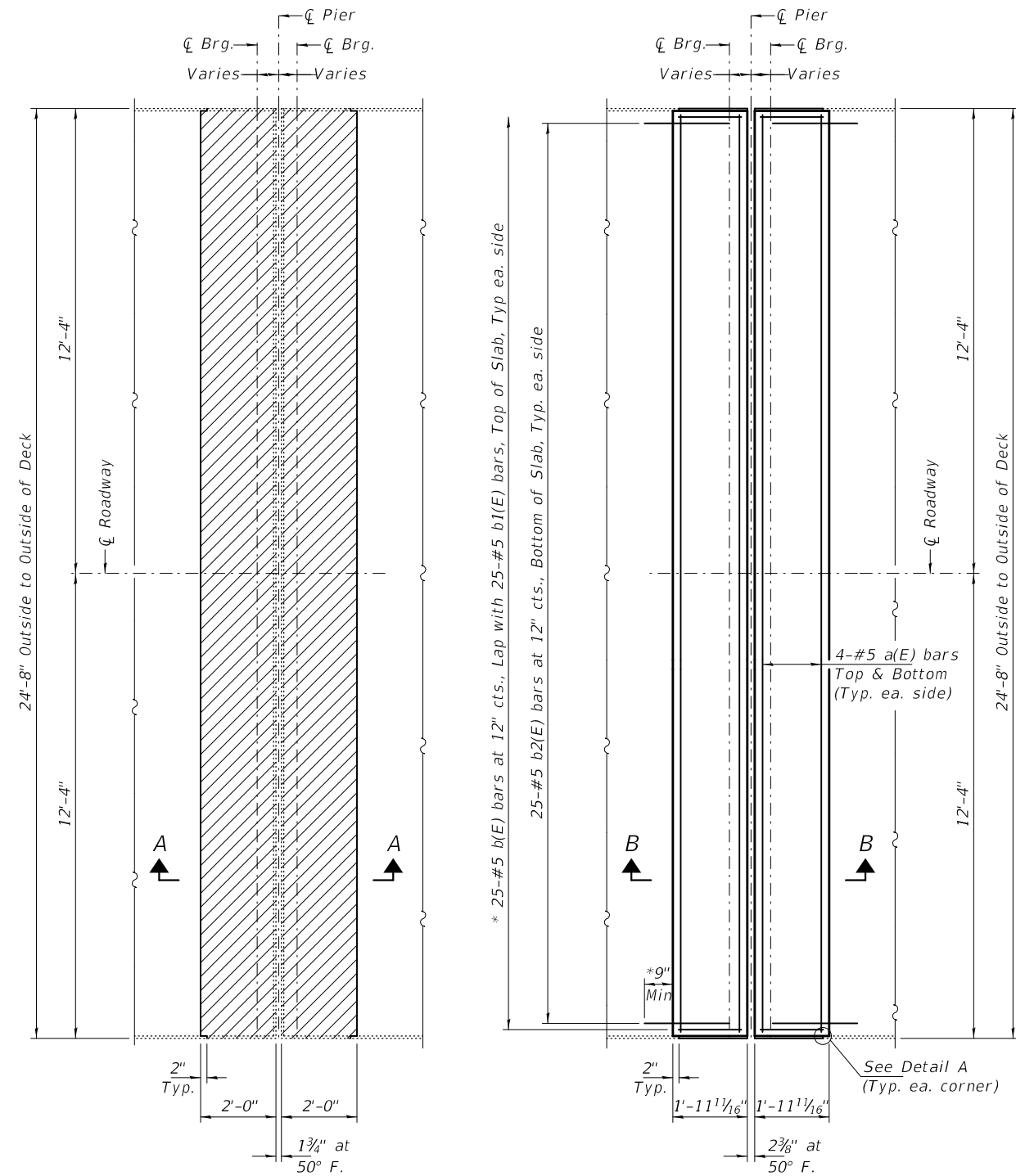
DATE - OCTOBER 5, 2020
 REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINT REPLACEMENT DETAILS - ABUTMENTS
SN 001-0019**

SHEET NO. 6 OF 34 SHEETS

F.A.P. RTE. 63 SECTION (1ZB),BP,BRR,BJR-1,BDR,L COUNTY ADAMS TOTAL SHEETS 78 SHEET NO. 14 CONTRACT NO. 72L58 ILLINOIS FED. AID PROJECT



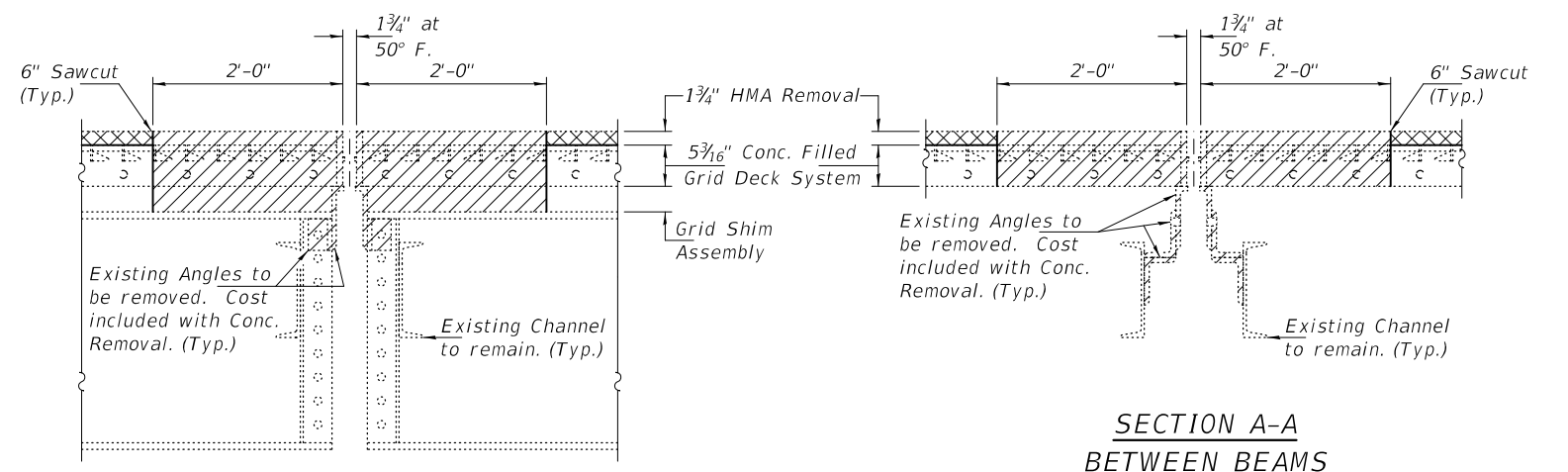
**CONCRETE REMOVAL PLAN
PIERS 1, 2 & 22 THRU 36**

**CONCRETE REPLACEMENT PLAN
PIERS 1, 2 & 22 THRU 36**

NOTES:
 For Detail "A" see sheet 11 of 34.
 Hatched areas indicate Concrete Removal.
 Cross Hatched areas indicate HMA Removal.
 The Contractor must ensure that no damage is done to the existing grid to remain and the supporting stringers during removal operations. Any damage shall be repaired, to the satisfaction of the Engineer at the Contractor's expense.

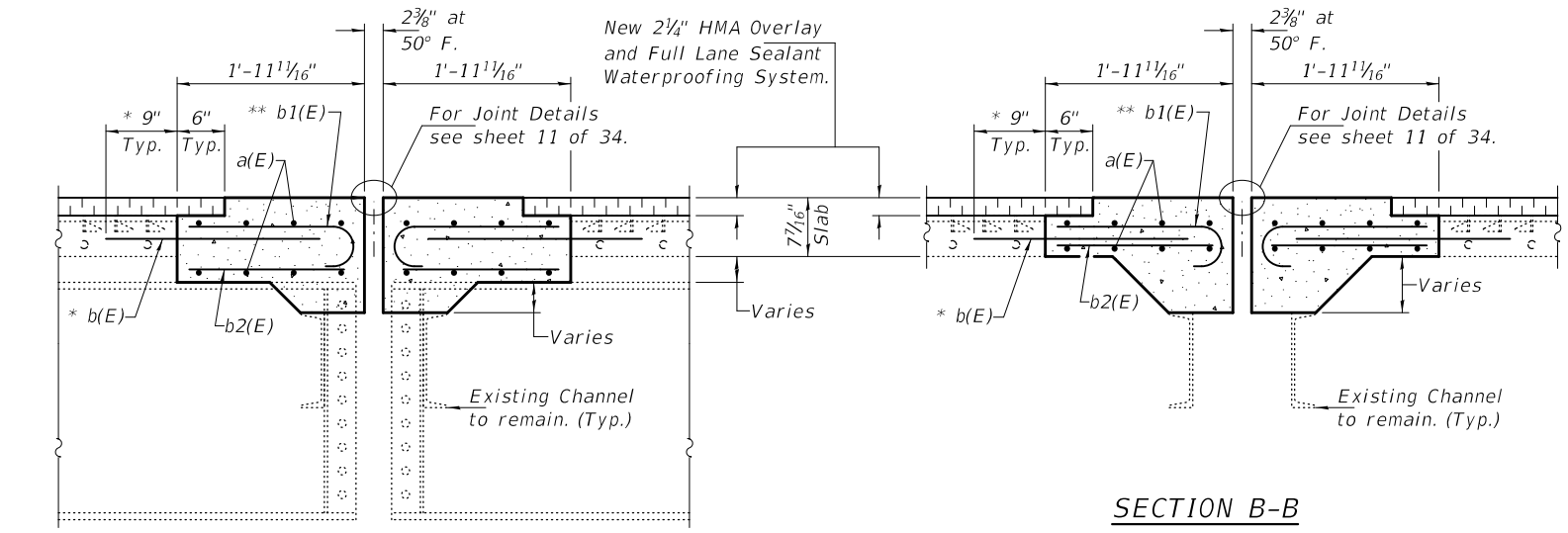
* Epoxy grout b(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

** Tilt hook of b1(E) bars as necessary for 1 1/2" min. cl.



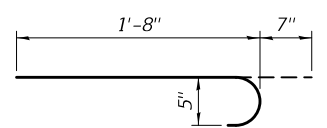
**SECTION A-A
AT BEAMS**

**SECTION A-A
BETWEEN BEAMS**



**SECTION B-B
AT BEAMS**

**SECTION B-B
BETWEEN BEAMS**



BAR b1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	544	#5	24'-4"	—
b(E)	1700	#5	2'-4"	—
b1(E)	1700	#5	2'-3"	—
b2(E)	1700	#5	1'-7"	—
Concrete Removal			Cu. Yd.	51.9
Concrete Superstructure			Cu. Yd.	59.9
Reinforcement Bars, Epoxy Coated			Pound	24740

DESIGNED - JSB
 CHECKED - VHV
 DRAWN - daburdell Steffen
 CHECKED - JSB VHV

EXAMINED
 PASSED
 ENGINEER OF STRUCTURAL SERVICES
 ENGINEER OF BRIDGES AND STRUCTURES

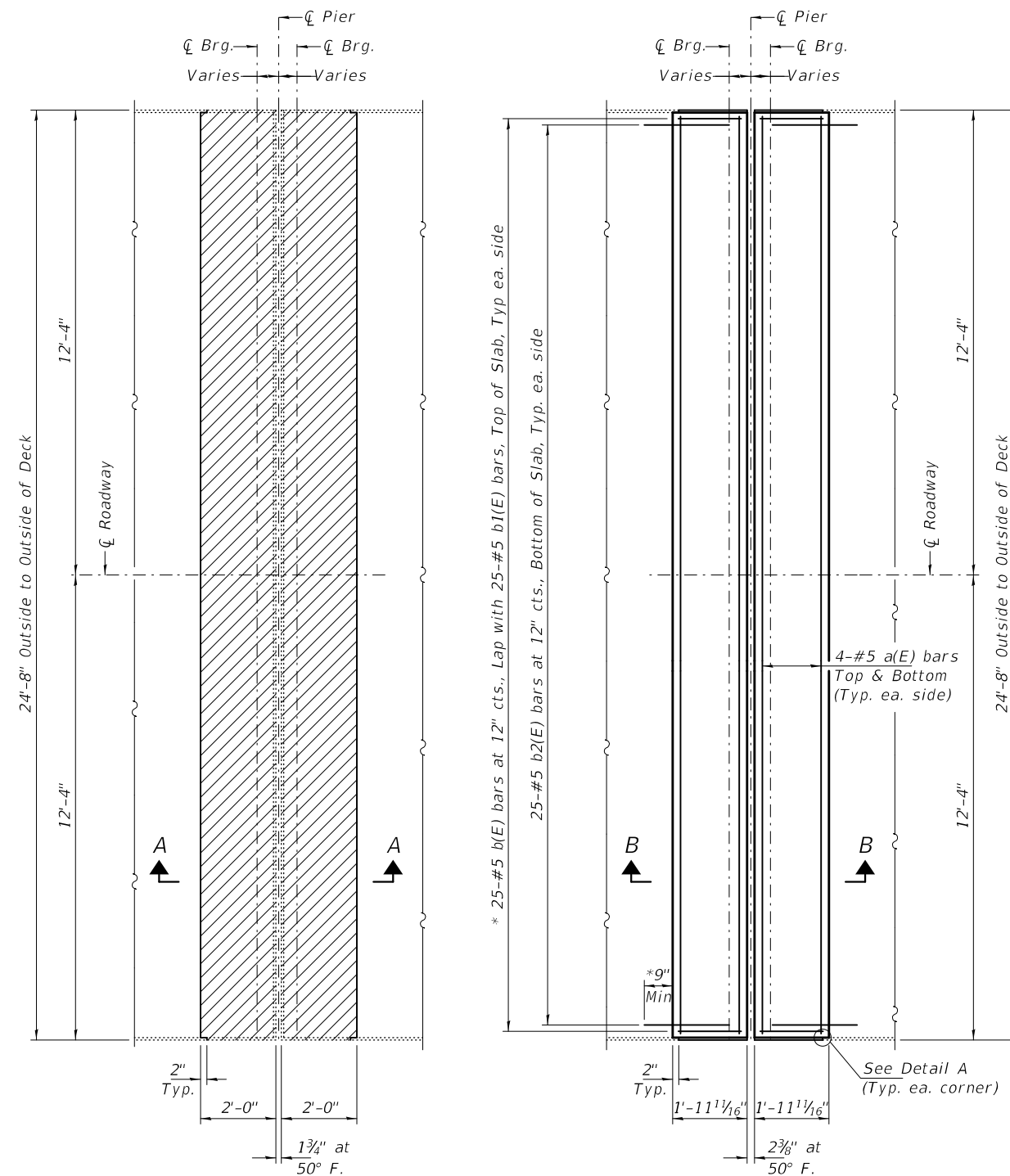
DATE - OCTOBER 5, 2020
 REVISED -
 REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINT REPLACEMENT DETAILS - PIERS 1, 2, & 22 THRU 36
SN 001-0019**

SHEET NO. 7 OF 34 SHEETS

F.A.P. RTE. 63
 SECTION (12B),BP,BRR,BJR-1,BDR,L
 COUNTY ADAMS
 TOTAL SHEETS 78
 SHEET NO. 15
 CONTRACT NO. 72L58
 ILLINOIS FED. AID PROJECT



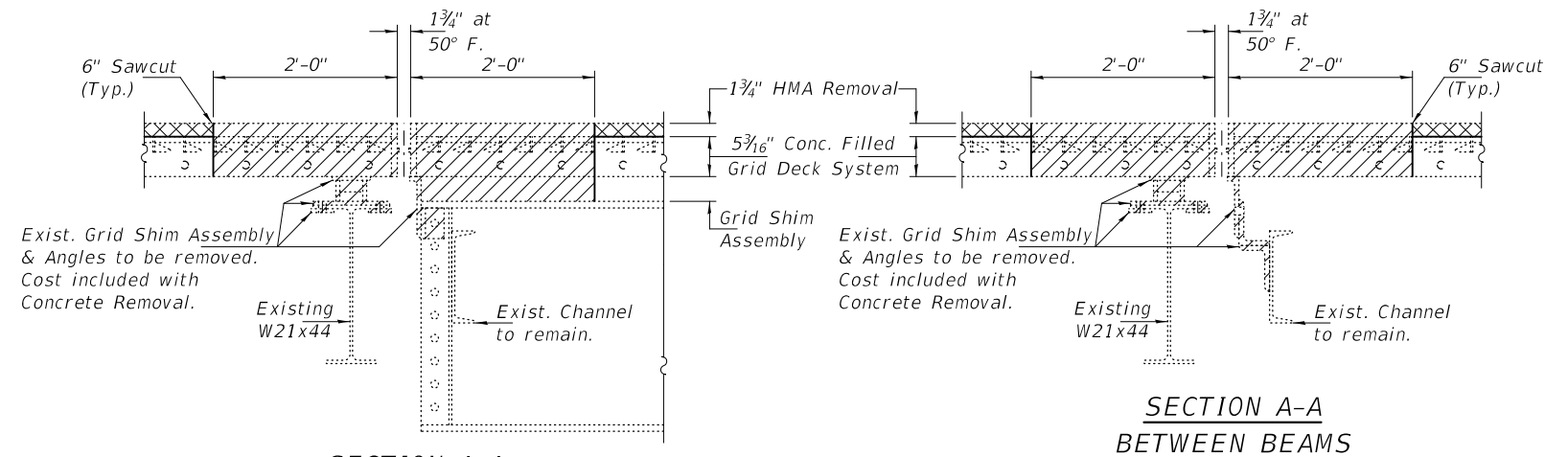
CONCRETE REMOVAL PLAN
PIERS 3 & 21

CONCRETE REPLACEMENT PLAN
PIERS 3 & 21

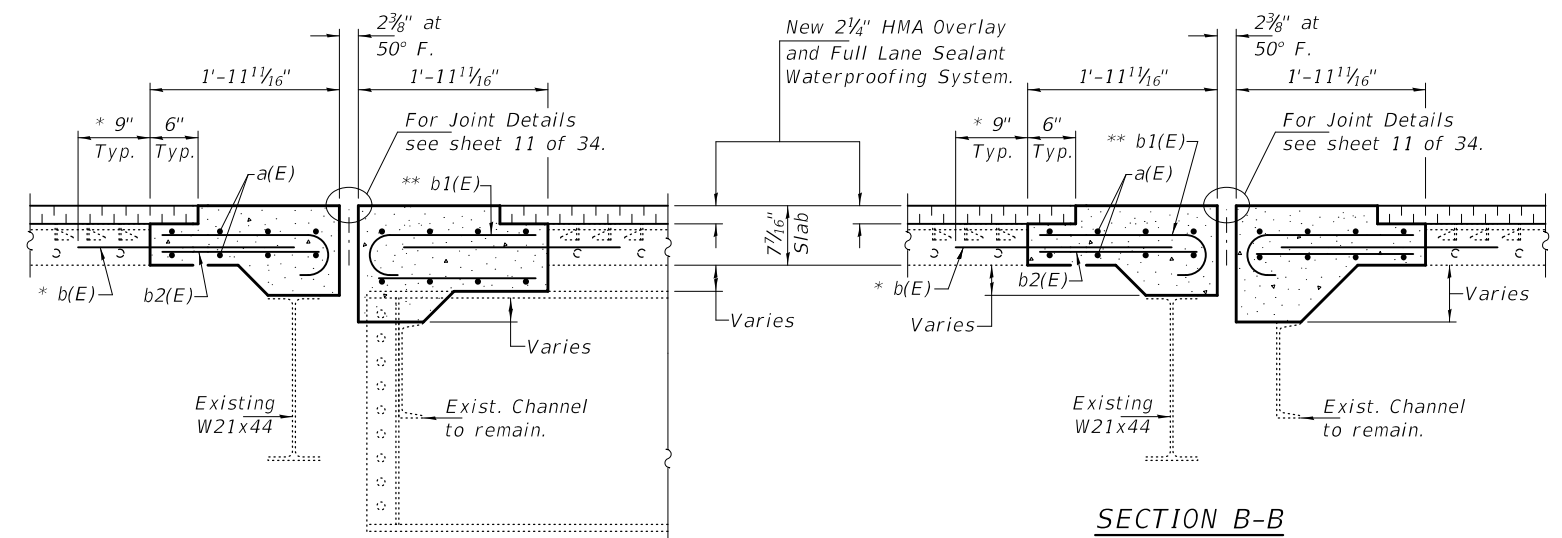
NOTES:
For Detail "A" see sheet 11 of 34.
Hatched areas indicate Concrete Removal.
Cross Hatched areas indicate HMA Removal.
The Contractor must ensure that no damage is done to the existing grid to remain and the supporting stringers during removal operations. Any damage shall be repaired, to the satisfaction of the Engineer at the Contractor's expense.

* Epoxy grout b(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

** Tilt hook of b1(E) bars as necessary for 1 1/2" min. cl.



SECTION A-A
AT BEAMS

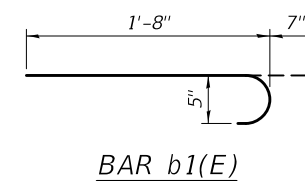


SECTION B-B
AT BEAMS

SECTION B-B
BETWEEN BEAMS

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	32	#5	24'-4"	—
b(E)	100	#5	2'-4"	—
b1(E)	100	#5	2'-3"	—
b2(E)	100	#5	1'-7"	—
Concrete Removal			Cu. Yd.	5.0
Concrete Superstructure			Cu. Yd.	6.1
Reinforcement Bars, Epoxy Coated			Pound	1460



BAR b1(E)

DESIGNED - JSB
CHECKED - VHV
DRAWN - daburdell Steffen
CHECKED - JSB VHV

EXAMINED
PASSED
Timothy A. Daulton
ENGINEER OF STRUCTURAL SERVICES
Carl R. Meyer
ENGINEER OF BRIDGES AND STRUCTURES

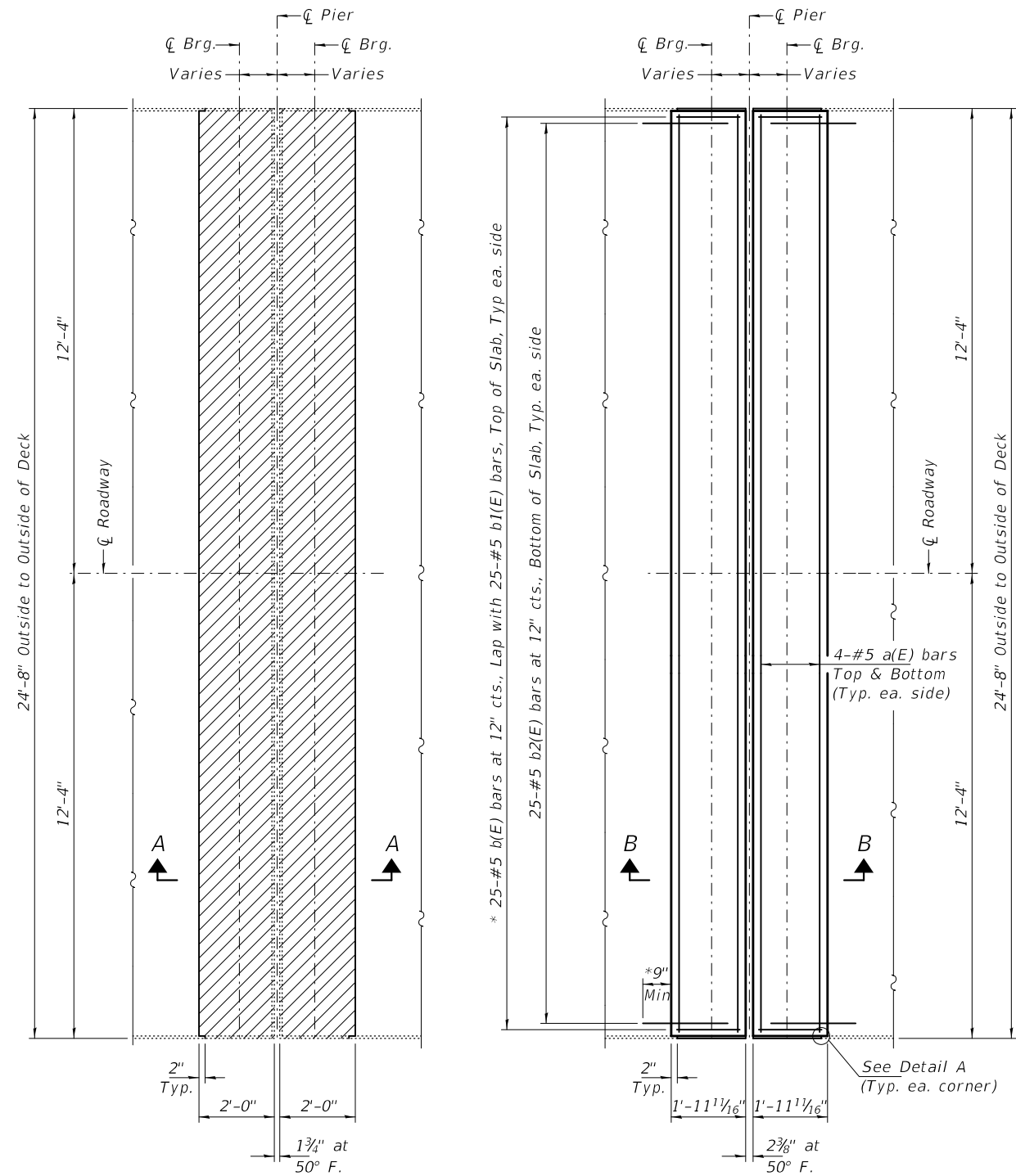
DATE - OCTOBER 5, 2020
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REPLACEMENT DETAILS - PIERS 3 & 21
SN 001-0019

SHEET NO. 8 OF 34 SHEETS

F.A.P. RTE. 63 SECTION (12B),BP,BRR,BJR-1,BDR,L COUNTY ADAMS TOTAL SHEETS 78 SHEET NO. 16 CONTRACT NO. 72L58 ILLINOIS FED. AID PROJECT



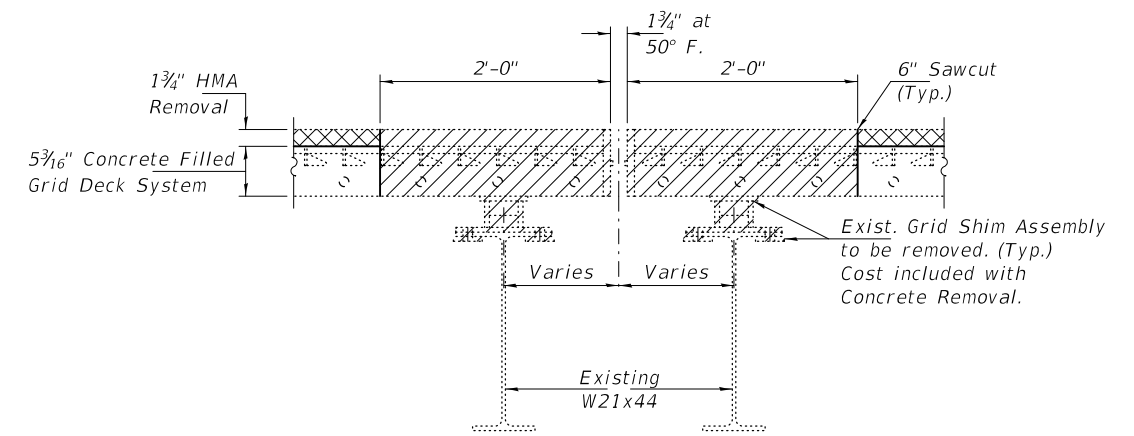
CONCRETE REMOVAL PLAN
PIERS 4 THRU 7 & 11 THRU 20

CONCRETE REPLACEMENT PLAN
PIERS 4 THRU 7 & 11 THRU 20

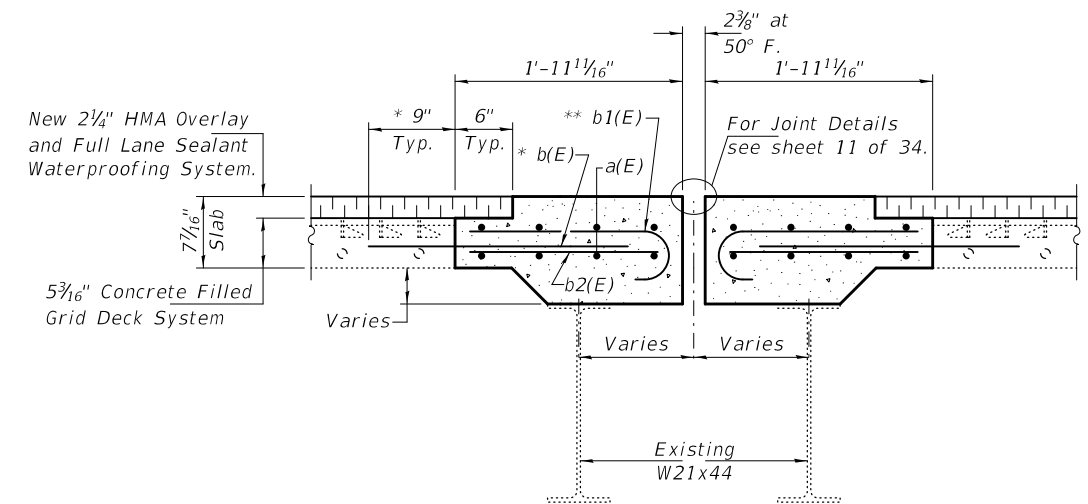
NOTES:
For Detail "A" see sheet 11 of 34.
Hatched areas indicate Concrete Removal.
Cross Hatched areas indicate HMA Removal.
The Contractor must ensure that no damage is done to the existing grid to remain and the supporting stringers during removal operations. Any damage shall be repaired, to the satisfaction of the Engineer at the Contractor's expense.

* Epoxy grout b(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

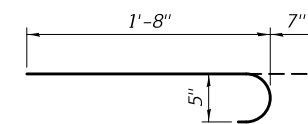
** Tilt hook of b1(E) bars as necessary for 1 1/2" min. cl.



SECTION A-A



SECTION B-B



BAR b1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	224	#5	24'-4"	—
b(E)	1400	#5	2'-4"	—
b1(E)	1400	#5	2'-3"	—
b2(E)	1400	#5	1'-7"	—
Concrete Removal			Cu. Yd.	28.6
Concrete Superstructure			Cu. Yd.	39.6
Reinforcement Bars, Epoxy Coated			Pound	14690

DESIGNED - JSB
CHECKED - VHV
DRAWN - daburdell Steffen
CHECKED - JSB VHV

EXAMINED
PASSED
Timothy A. [Signature]
ENGINEER OF STRUCTURAL SERVICES
[Signature]
ENGINEER OF BRIDGES AND STRUCTURES

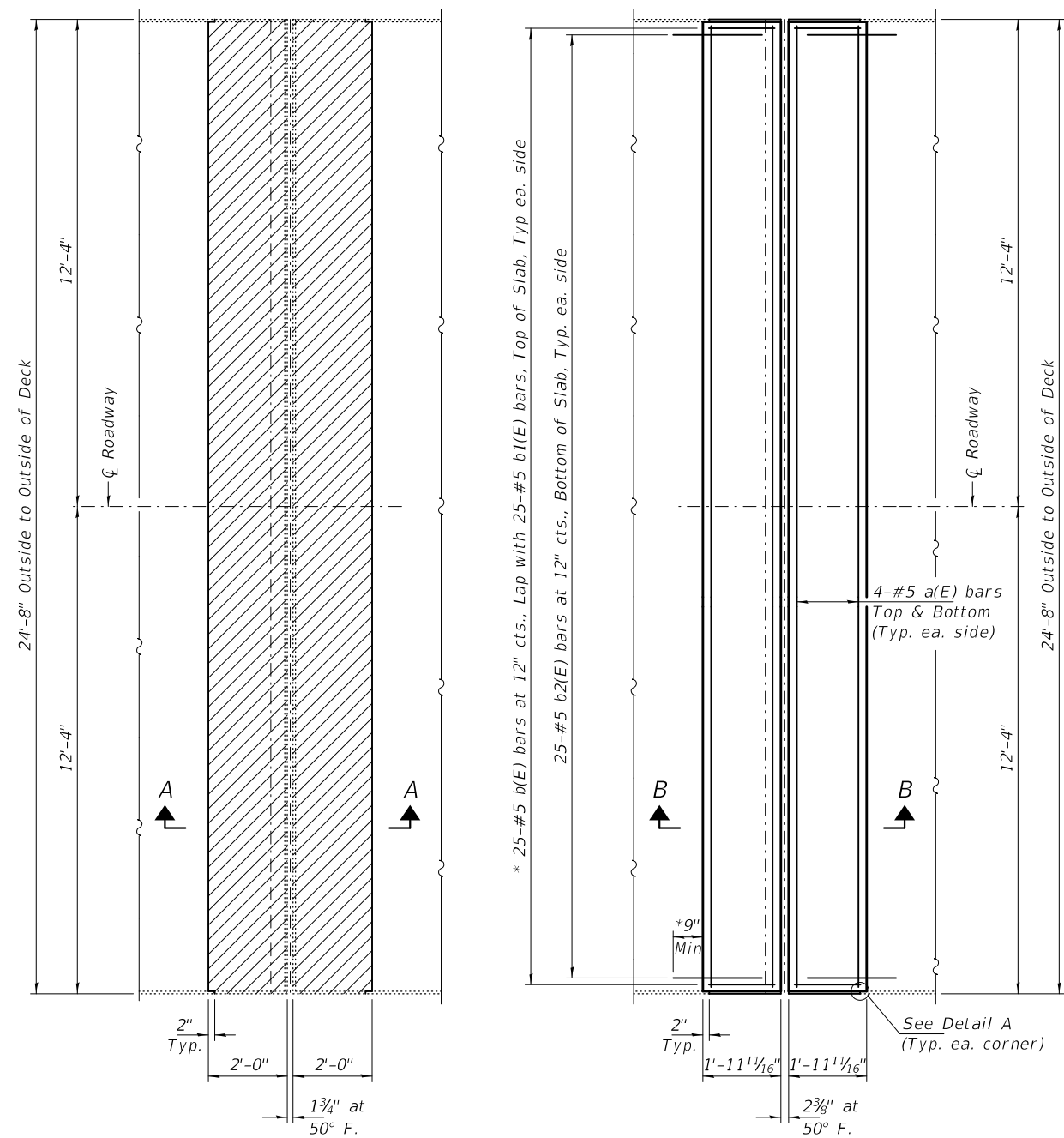
DATE - OCTOBER 5, 2020
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REPLACEMENT - PIERS 4 THRU 7 & 11 THRU 20
SN 001-0019

SHEET NO. 9 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB),BP,BRR,BJR-1,BDR,L	ADAMS	78	17
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



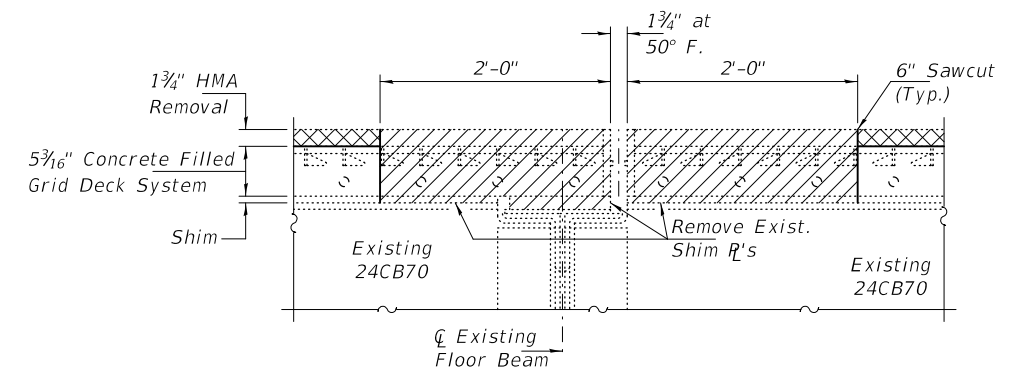
CONCRETE REMOVAL PLAN
SPANS 9 & 10 RELIEF JOINTS
 (10-Locations)

CONCRETE REPLACEMENT PLAN
SPANS 9 & 10 RELIEF JOINTS
 (10-Locations)

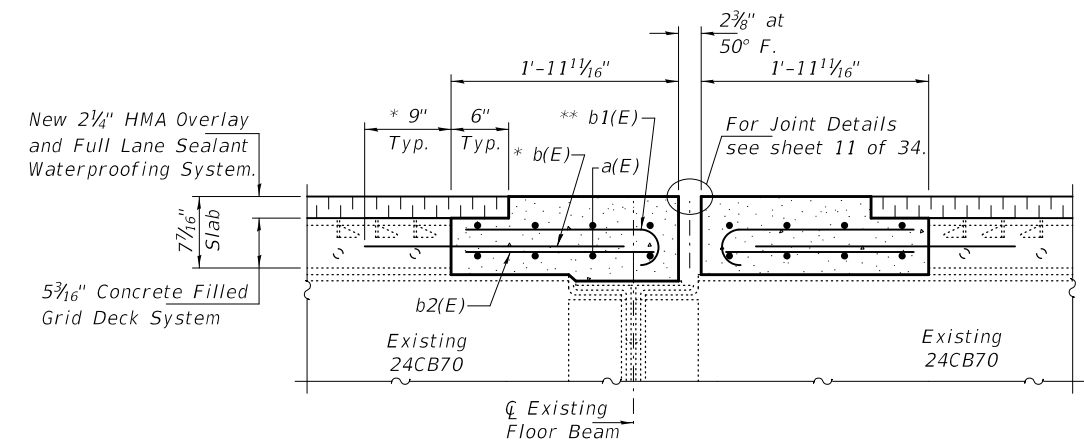
NOTES:
 For Detail "A" see sheet 11 of 34.
 Hatched areas indicate Concrete Removal.
 Cross Hatched areas indicate HMA Removal.
 The Contractor must ensure that no damage is done to the existing grid to remain and the supporting stringers during removal operations. Any damage shall be repaired, to the satisfaction of the Engineer at the Contractor's expense.

* Epoxy grout b(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

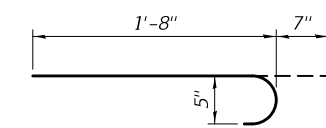
** Tilt hook of b1(E) bars as necessary for 1 1/2" min. cl.



SECTION A-A



SECTION B-B



BAR b1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	160	#5	24'-4"	—
b(E)	500	#5	2'-4"	—
b1(E)	500	#5	2'-3"	—
b2(E)	500	#5	1'-7"	—
Concrete Removal			Cu. Yd.	22.7
Concrete Superstructure			Cu. Yd.	23.2
Reinforcement Bars, Epoxy Coated			Pound	7280

DESIGNED - JSB
 CHECKED - VHV
 DRAWN - daburdell Steffen
 CHECKED - JSB VHV

EXAMINED
 PASSED
 ENGINEER OF STRUCTURAL SERVICES
 ENGINEER OF BRIDGES AND STRUCTURES

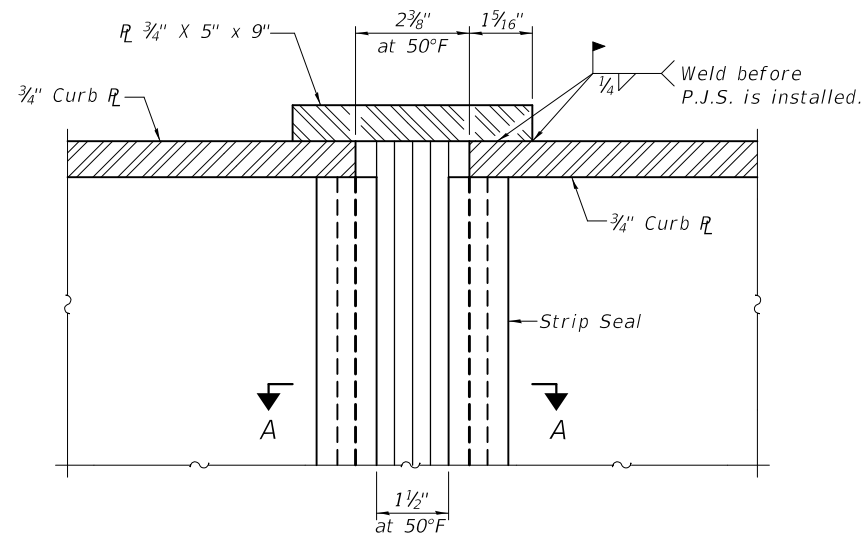
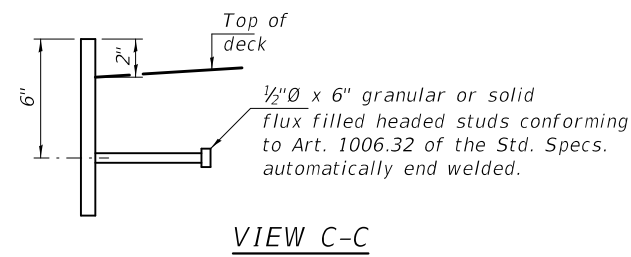
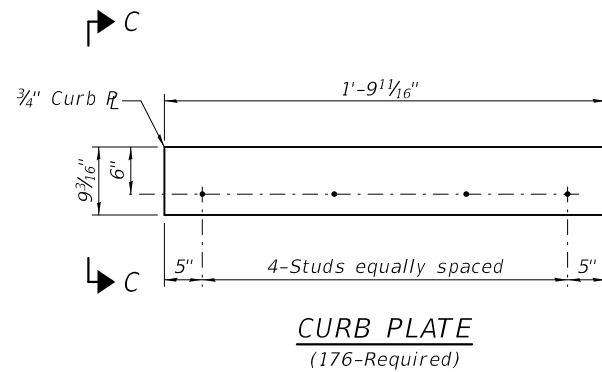
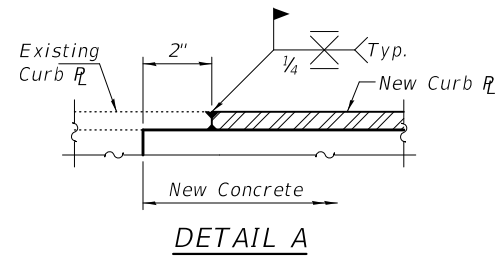
DATE - OCTOBER 5, 2020
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

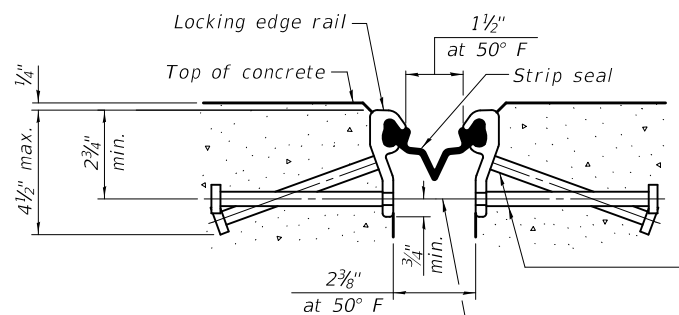
JOINT REPLACEMENT - TRUSS SPAN RELIEF JOINTS
SN 001-0019

SHEET NO. 10 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B),BP,BRR,BJR-1,BDR,L	ADAMS	78	18
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



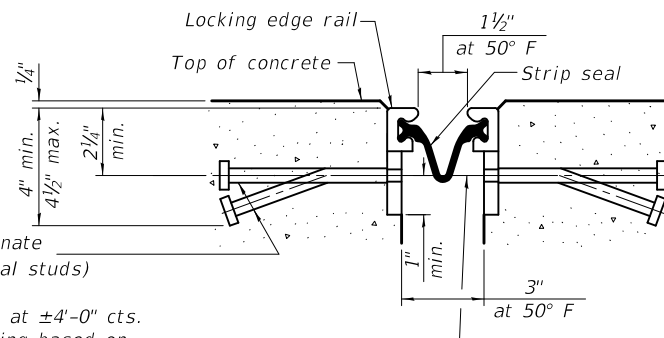
PLAN AT CURB PLATES



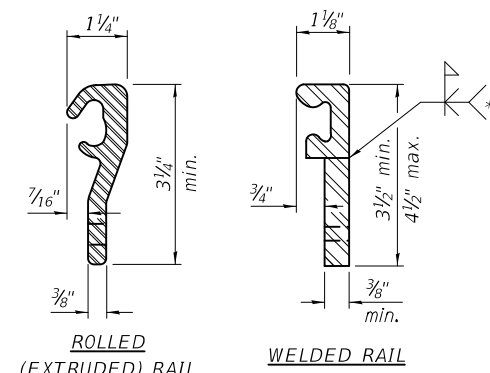
SHOWING ROLLED RAIL JOINT

* 5/8" ϕ x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

3/8" ϕ threaded rods in 7/16" ϕ holes at ± 4 -0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

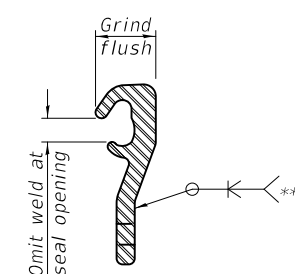


SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	1120

DESIGNED - JSB
 CHECKED - VHV
 DRAWN - daburdell Steffen
 CHECKED - JSB VHV

EXAMINED - *Timothy A. Doolittle*
 ENGINEER OF STRUCTURAL SERVICES
 PASSED - *Carl R. Meyer*
 ENGINEER OF BRIDGES AND STRUCTURES

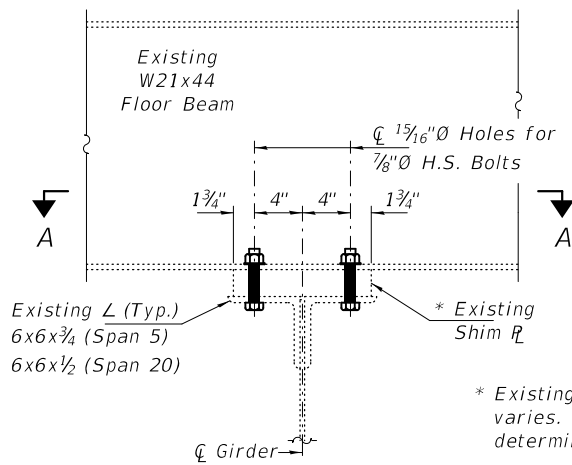
DATE - OCTOBER 5, 2020
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL & CURB PLATE DETAILS
 SN 001-0019

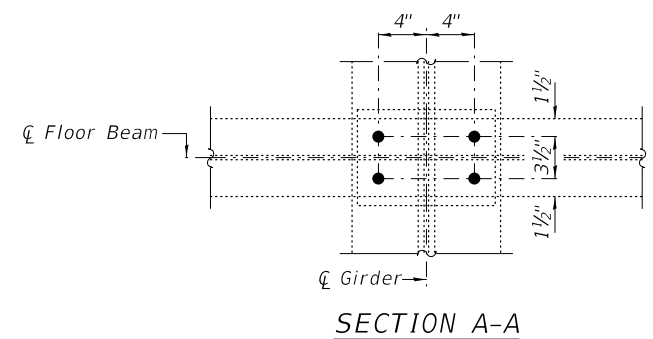
SHEET NO. 11 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB),BP,BRR,BJR-1,BDR,L	ADAMS	78	19
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

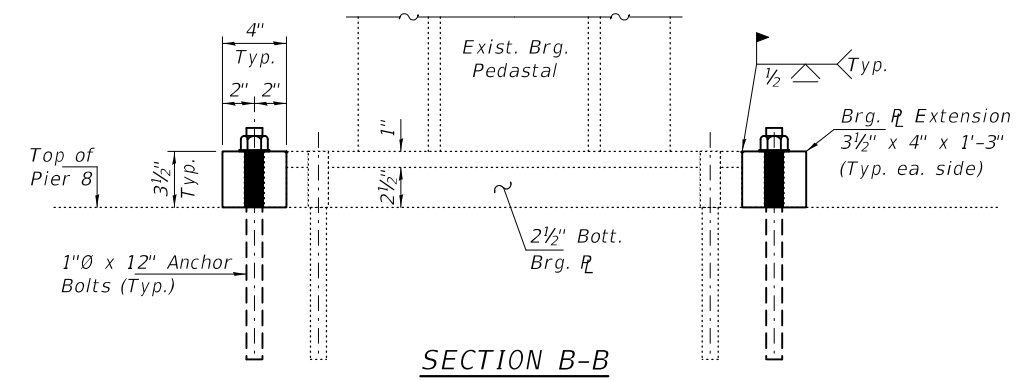


* Existing shim ℓ thickness varies. Field verify to determine bolt length.

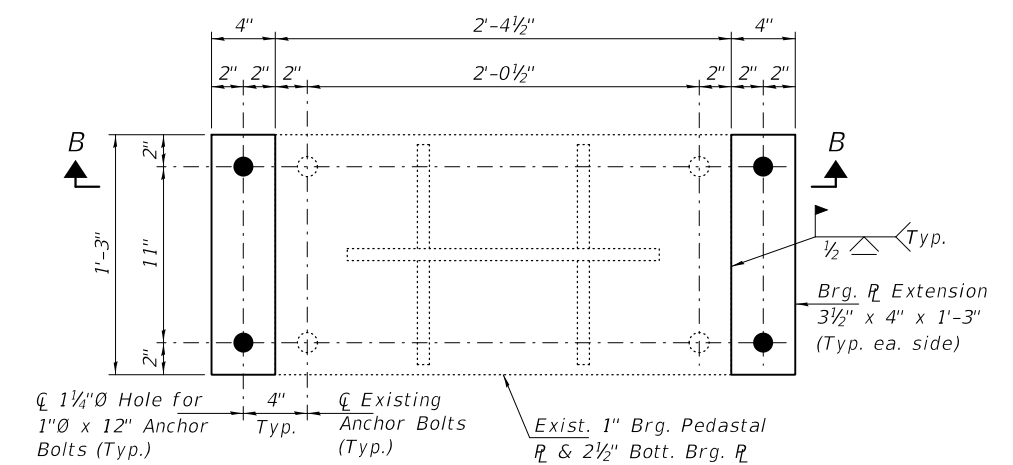
BRG. CONNECTION REPAIR
(For locations see Bearing Repair Table on sheet 4 of 34.)



SECTION A-A

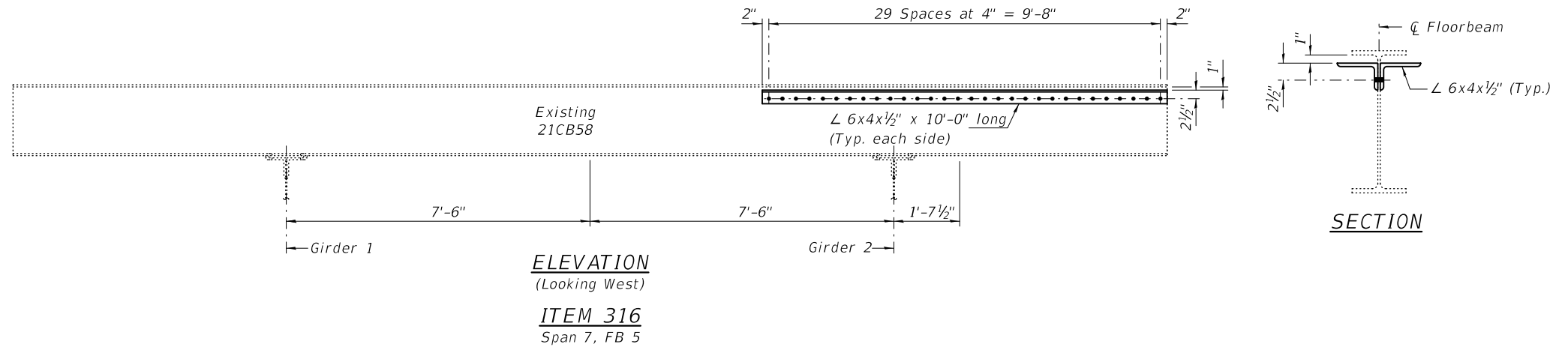


SECTION B-B



ITEM 165
BEARING PLATE EXTENSION DETAILS
AT PIER 8, GIRDERS 1 & 2

DESIGNED - JSB	EXAMINED - <i>Timothy A. Daburdell</i> ENGINEER OF STRUCTURAL SERVICES	DATE - OCTOBER 5, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BEARING REPAIR DETAILS SN 001-0019	F.A.P. RTE. 63	SECTION (12B),BP,BRR,BJR-1,BDR,L	COUNTY ADAMS	TOTAL SHEETS 78	SHEET NO. 20	
CHECKED - VHV	PASSED - <i>Carl R. Steffen</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			CONTRACT NO. 72L58					
DRAWN - <i>daburdell Steffen</i>		REVISED -			SHEET NO. 12 OF 34 SHEETS					
CHECKED - JSB VHV					ILLINOIS FED. AID PROJECT					



BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

DESIGNED - JSB
 CHECKED - VHV
 DRAWN - daburdell Steffen
 CHECKED - JSB VHV

EXAMINED
 PASSED

Timothy A. Daulton
 ENGINEER OF STRUCTURAL SERVICES

Carl Meyer
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - OCTOBER 5, 2020

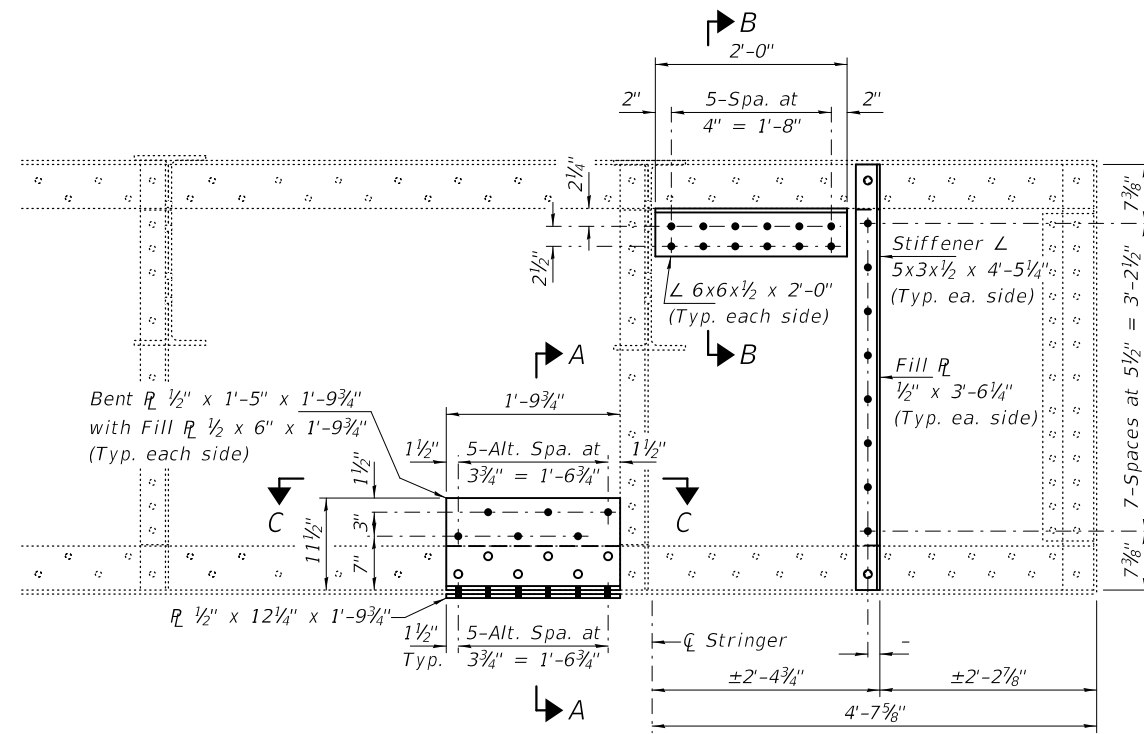
REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FLOORBEAM REPAIR DETAILS - SPAN 7
SN 001-0019

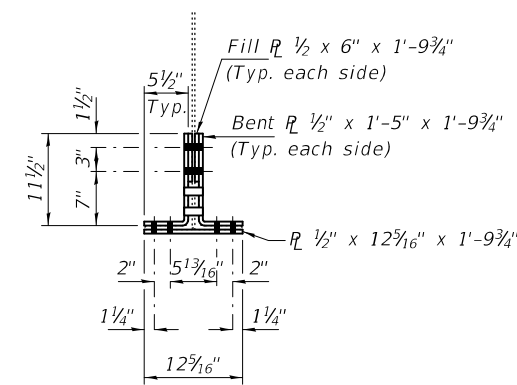
SHEET NO. 13 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB),BP,BRR,BJR-1,BDR,L	ADAMS	78	21
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

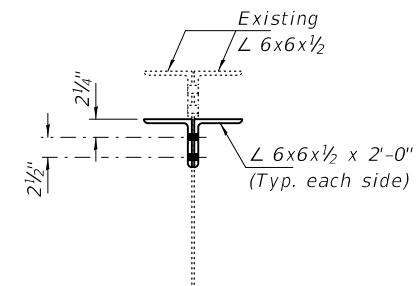


PARTIAL ELEVATION
(Looking West)

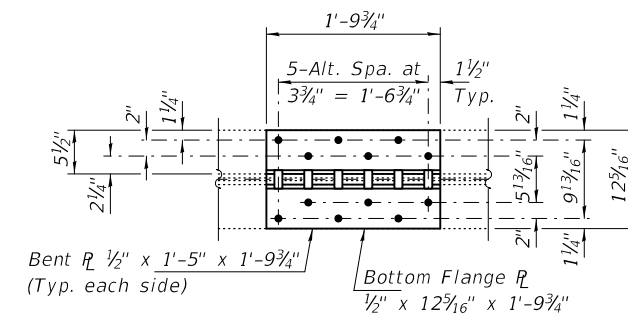
ITEM 28
Sp 9, FB 8



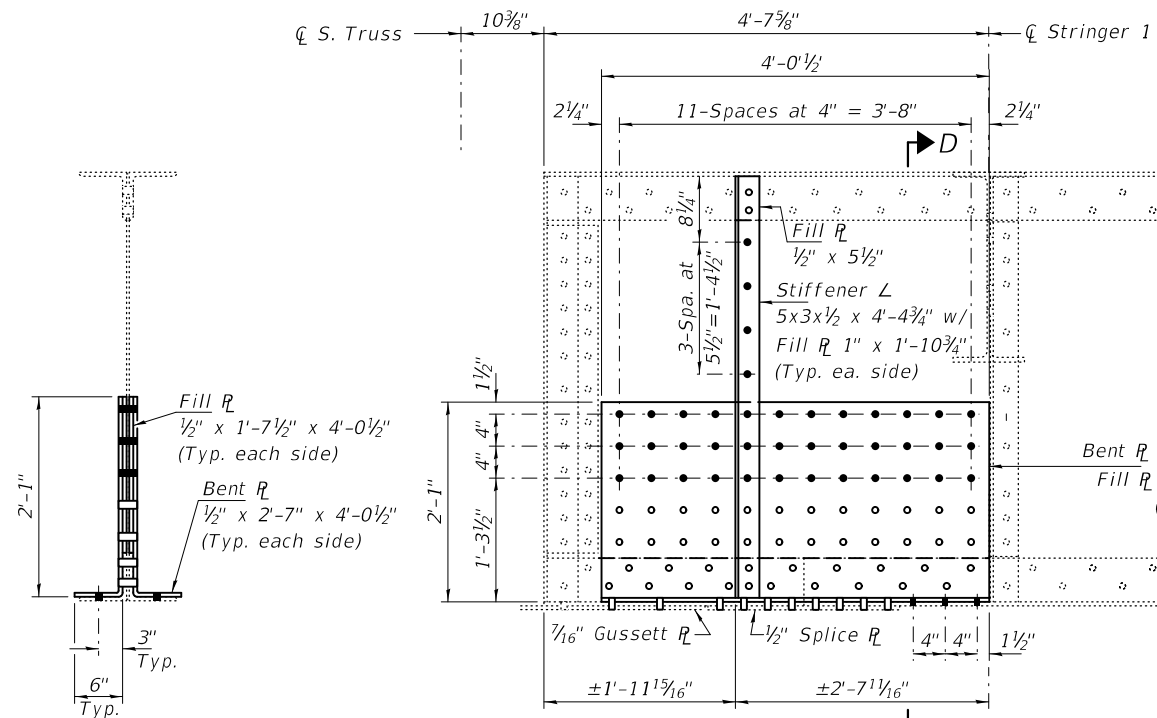
SECTION A-A



SECTION B-B

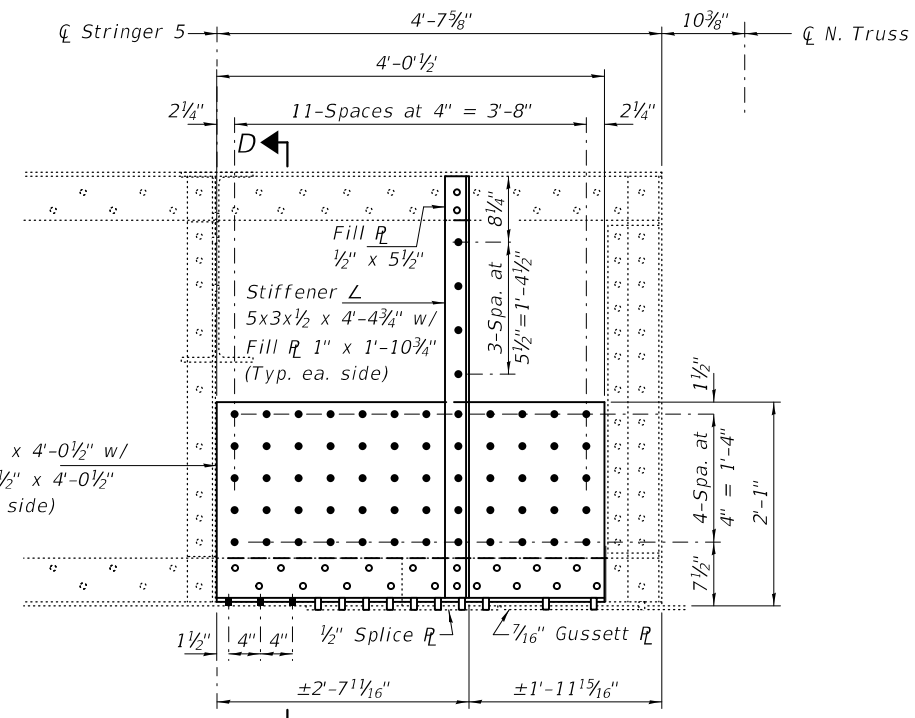


SECTION C-C



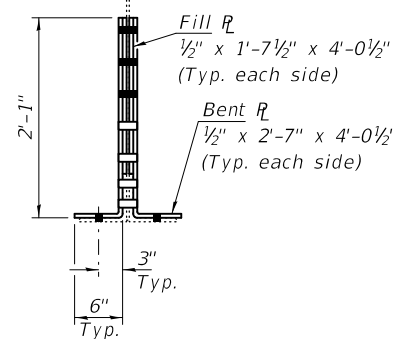
PARTIAL ELEVATION
(Looking West)

ITEM 35
Sp 9, FB 14



PARTIAL ELEVATION
(Looking West)

ITEM 35
Sp 9, FB 14

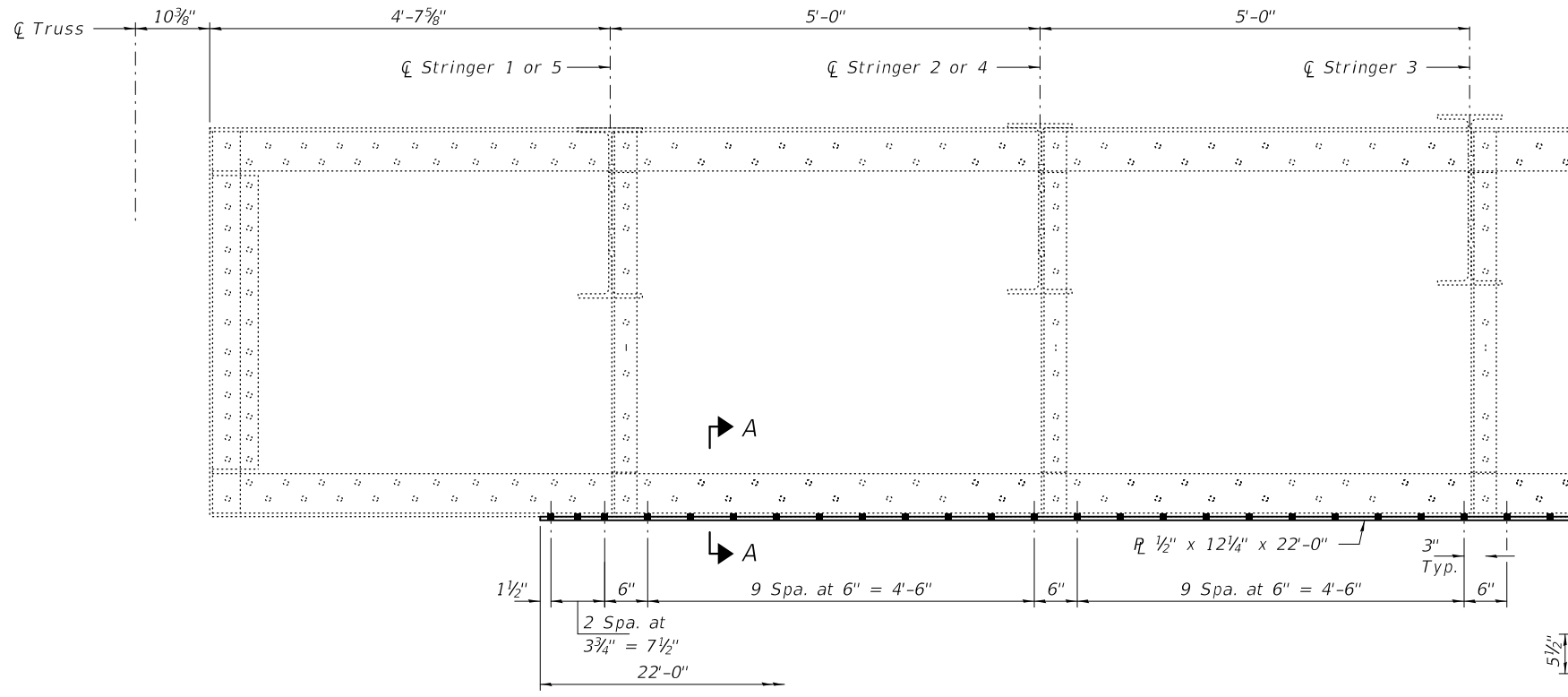


SECTION D-D

BOLT HOLE LEGEND

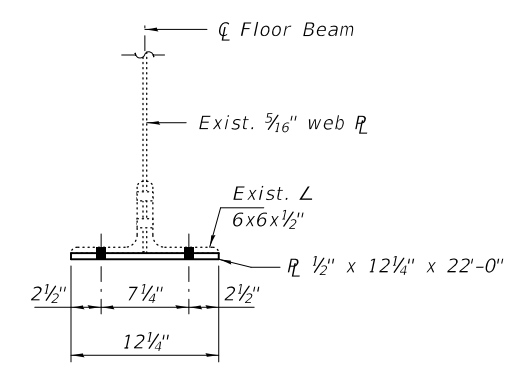
- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

DESIGNED - JSB	EXAMINED - <i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	DATE - OCTOBER 5, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FLOORBEAM REPAIR DETAILS - SPAN 9 SN 001-0019	F.A.P. RTE. 63	SECTION (12B),BP,BRR,BJR-1,BDR,L	COUNTY ADAMS	TOTAL SHEETS 78	SHEET NO. 22	
CHECKED - VHV	PASSED - <i>Carl R. Roper</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			CONTRACT NO. 72L58					
DRAWN - daburdell Steffen		REVISED -			SHEET NO. 14 OF 34 SHEETS					
CHECKED - JSB VHV					ILLINOIS FED. AID PROJECT					

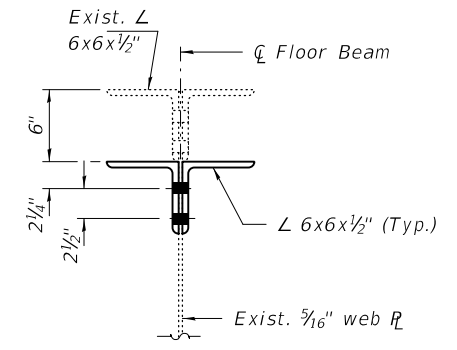


HALF ELEVATION
(Looking East)

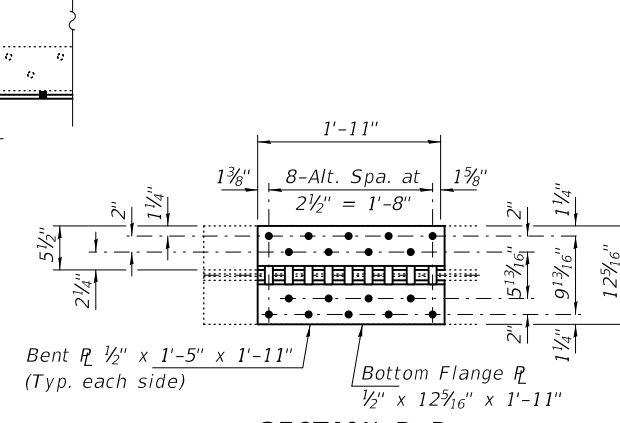
ITEM 103
Sp 9, FB 0



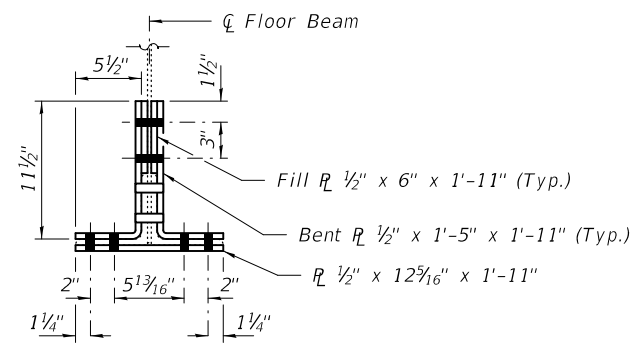
SECTION A-A



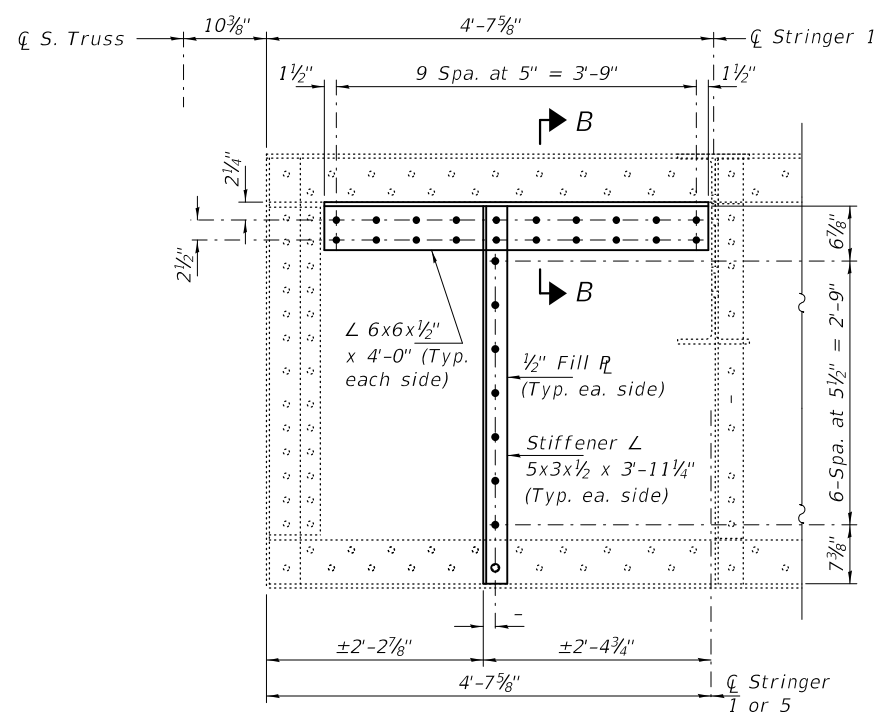
SECTION B-B



SECTION D-D



SECTION C-C

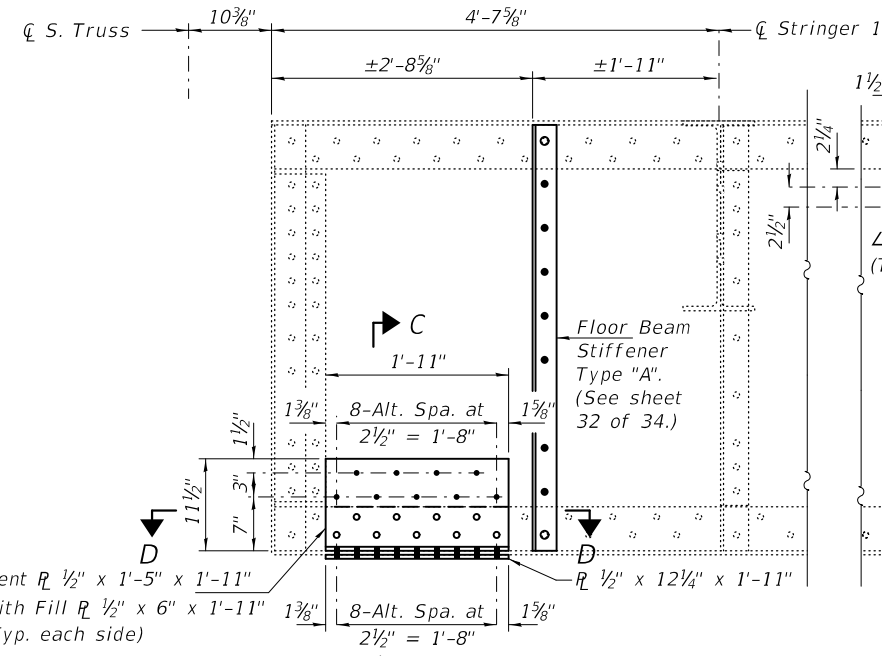


PARTIAL ELEVATION
(Looking West)

ITEM 767
Sp 9, FB 6

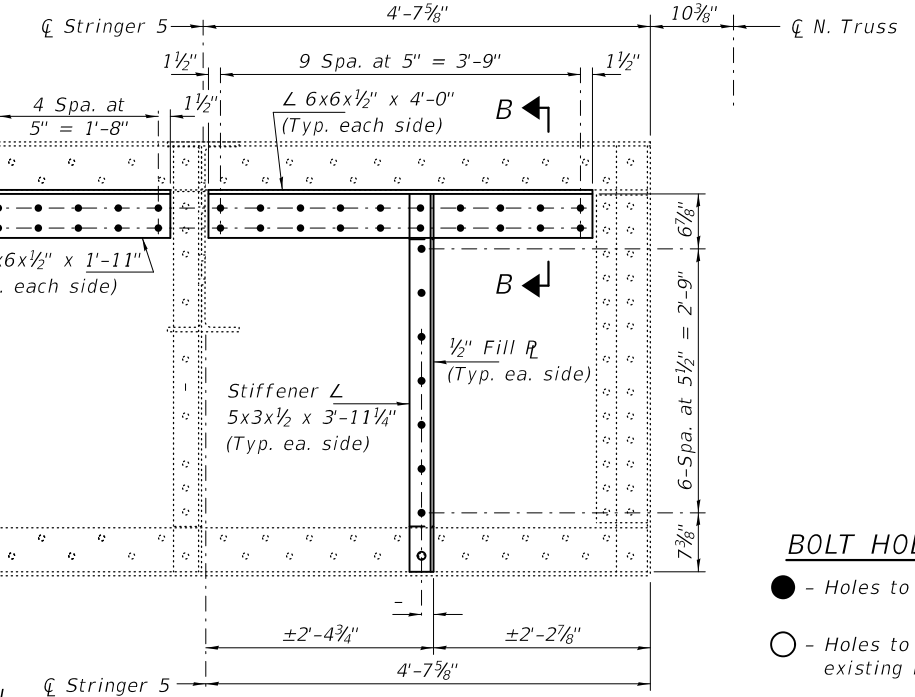
ITEM 47
Sp 10, FB 14

(South end shown, North end typical)



PARTIAL ELEVATION
(Looking West)

ITEM 569
Sp 9, FB 7



BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

DESIGNED - JSB
CHECKED - VHV
DRAWN - daburdell Steffen
CHECKED - JSB VHV

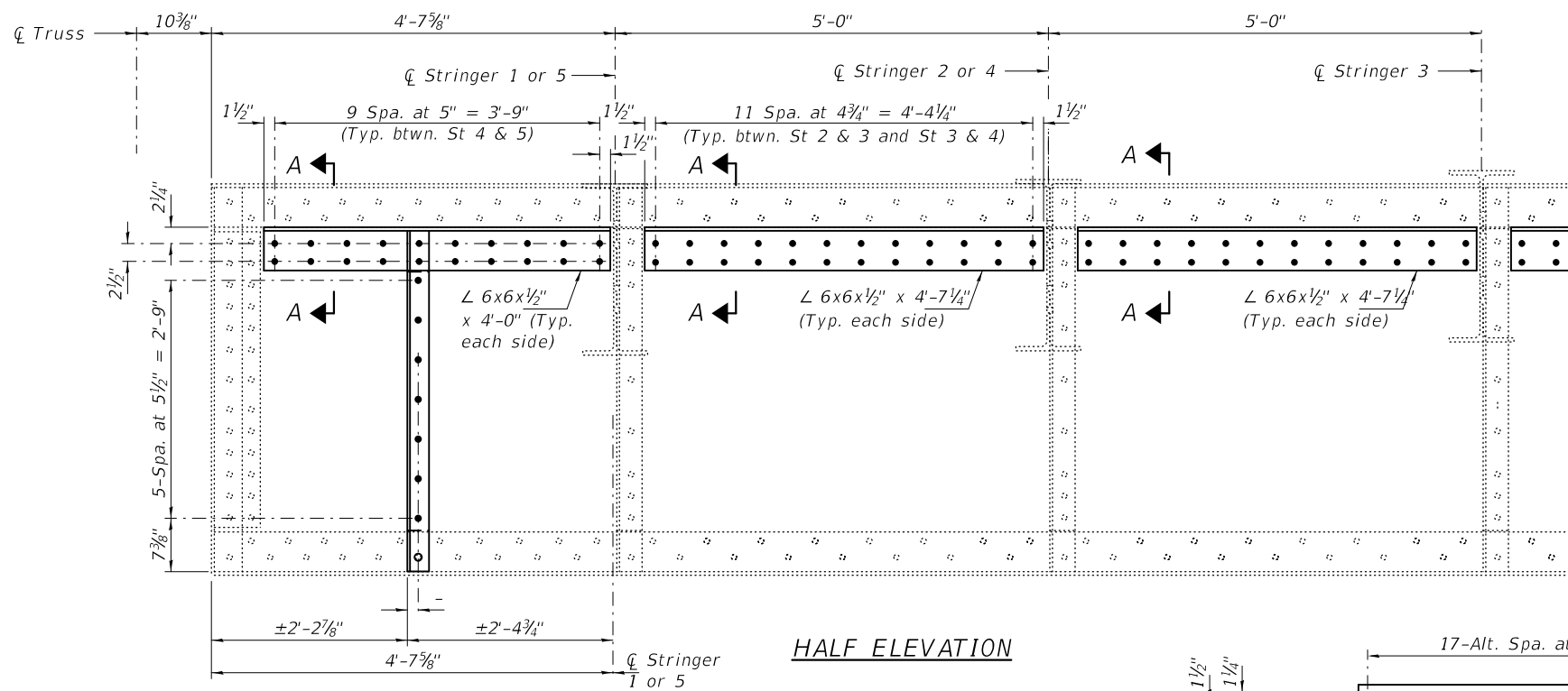
EXAMINED	<i>Timothy A. D... ENGINEER OF STRUCTURAL SERVICES</i>
PASSED	<i>Carl... ENGINEER OF BRIDGES AND STRUCTURES</i>

DATE - OCTOBER 5, 2020
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FLOORBEAM REPAIR DETAILS - SPANS 9 & 10
SN 001-0019**

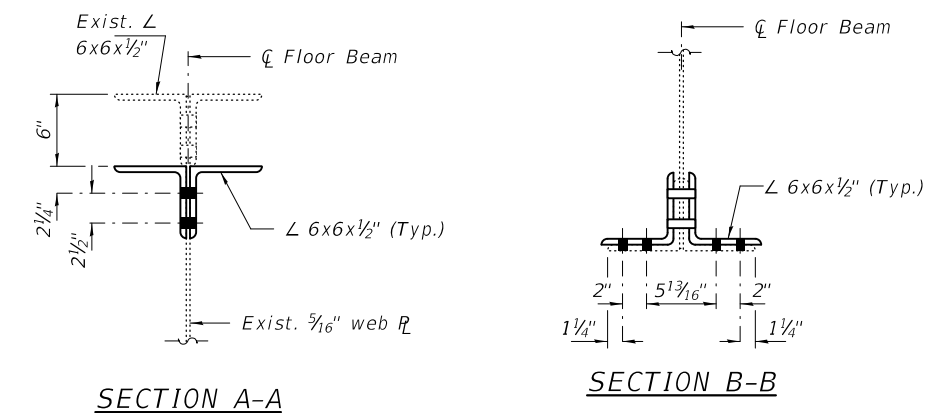
F.A.P. RTE. 63	SECTION (12B)BP,BRR,BJR-1,BDR,L	COUNTY ADAMS	TOTAL SHEETS 78	SHEET NO. 23
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



HALF ELEVATION

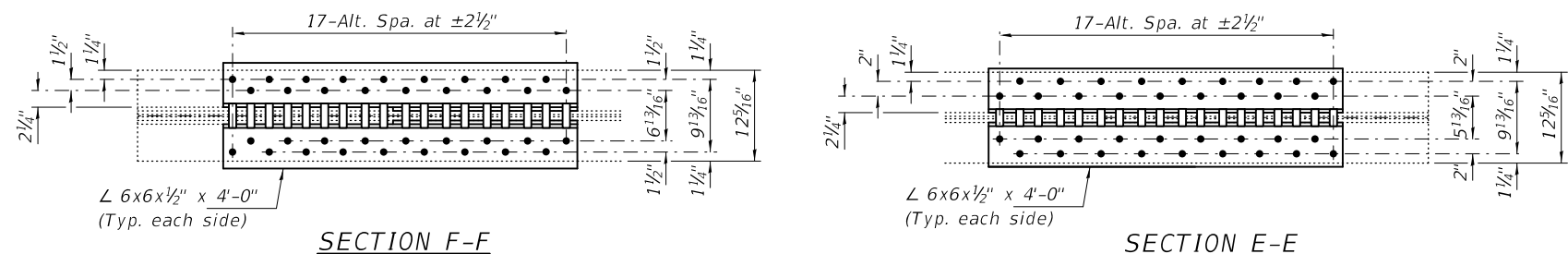
ITEM 37
Sp 9, FB 18

ITEM 50
Sp 10, FB 10'



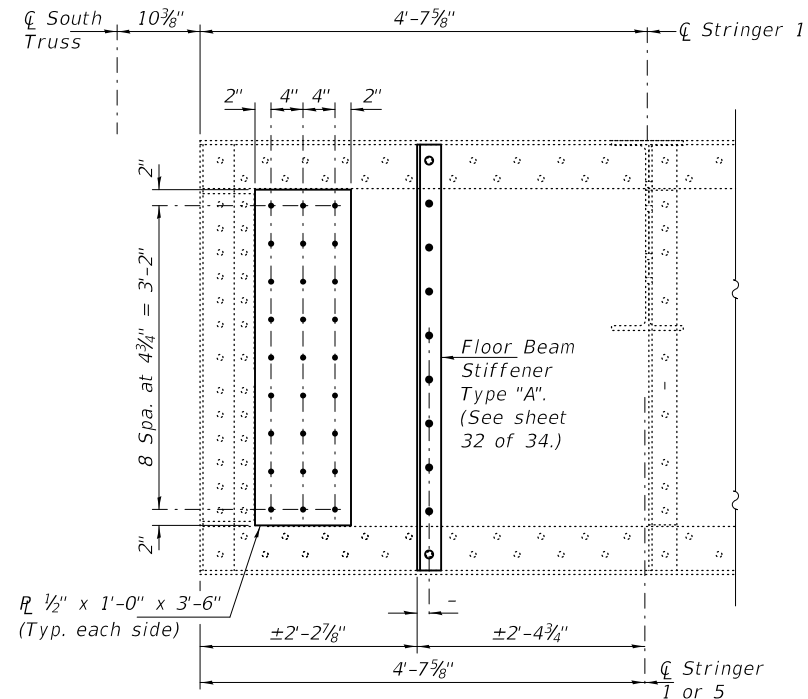
SECTION A-A

SECTION B-B



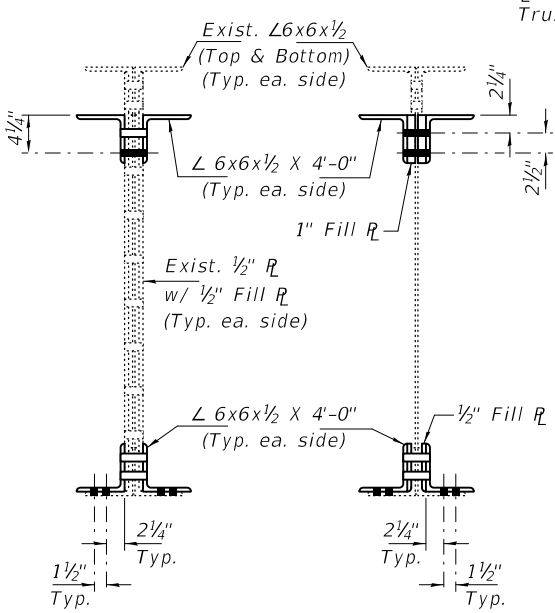
SECTION F-F

SECTION E-E



PARTIAL ELEVATION
(Looking West)

ITEM 51
Sp 10, FB 9'
(South end shown, North end typical)

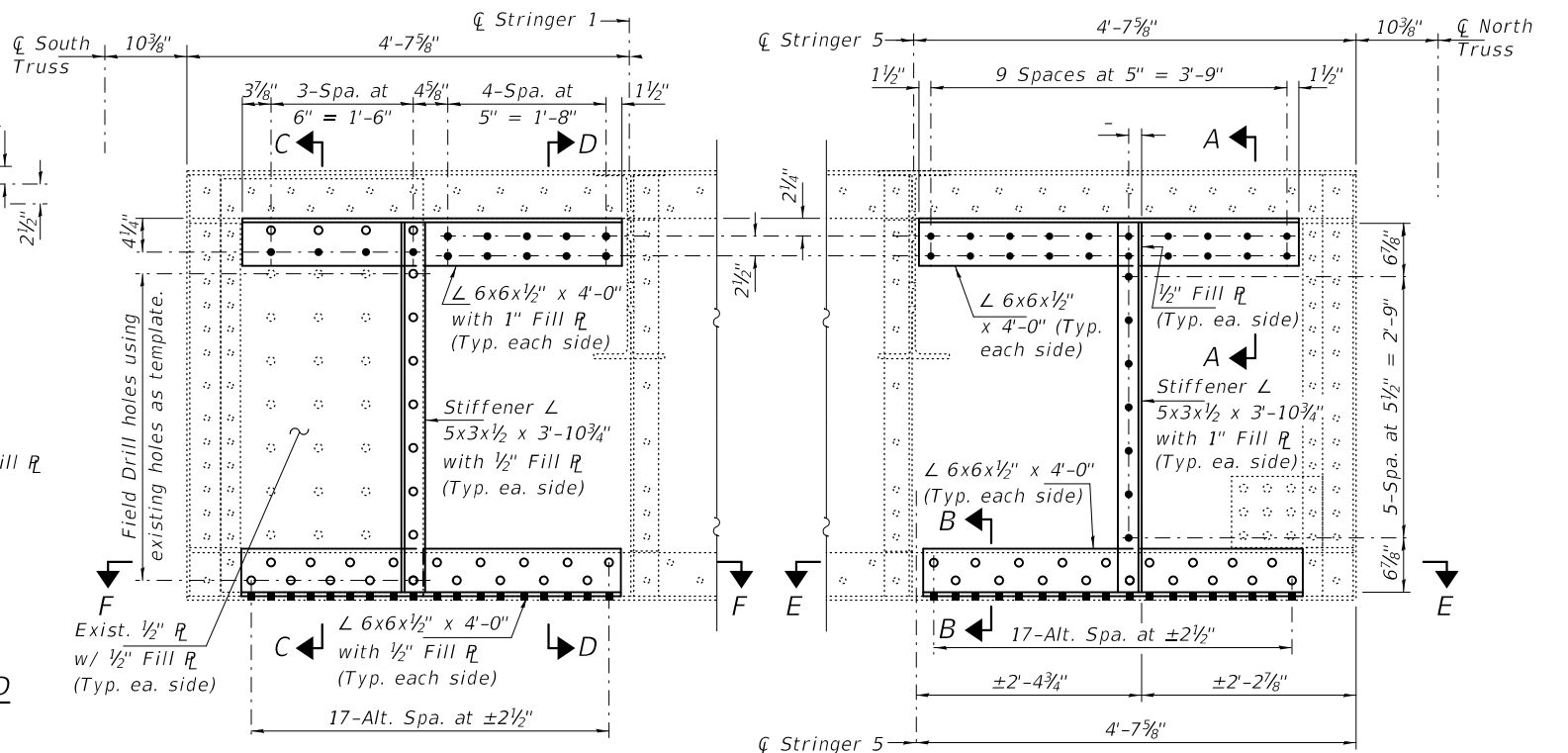


SECTION C-C

SECTION D-D

BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.



PARTIAL ELEVATION
(Looking West)

ITEM 217
Sp 9, FB 16

DESIGNED - JSB	 ENGINEER OF STRUCTURAL SERVICES ENGINEER OF BRIDGES AND STRUCTURES	DATE - OCTOBER 5, 2020
CHECKED - VHV		REVISED -
DRAWN - daburdell Steffen		REVISED -
CHECKED - JSB VHV		REVISED -

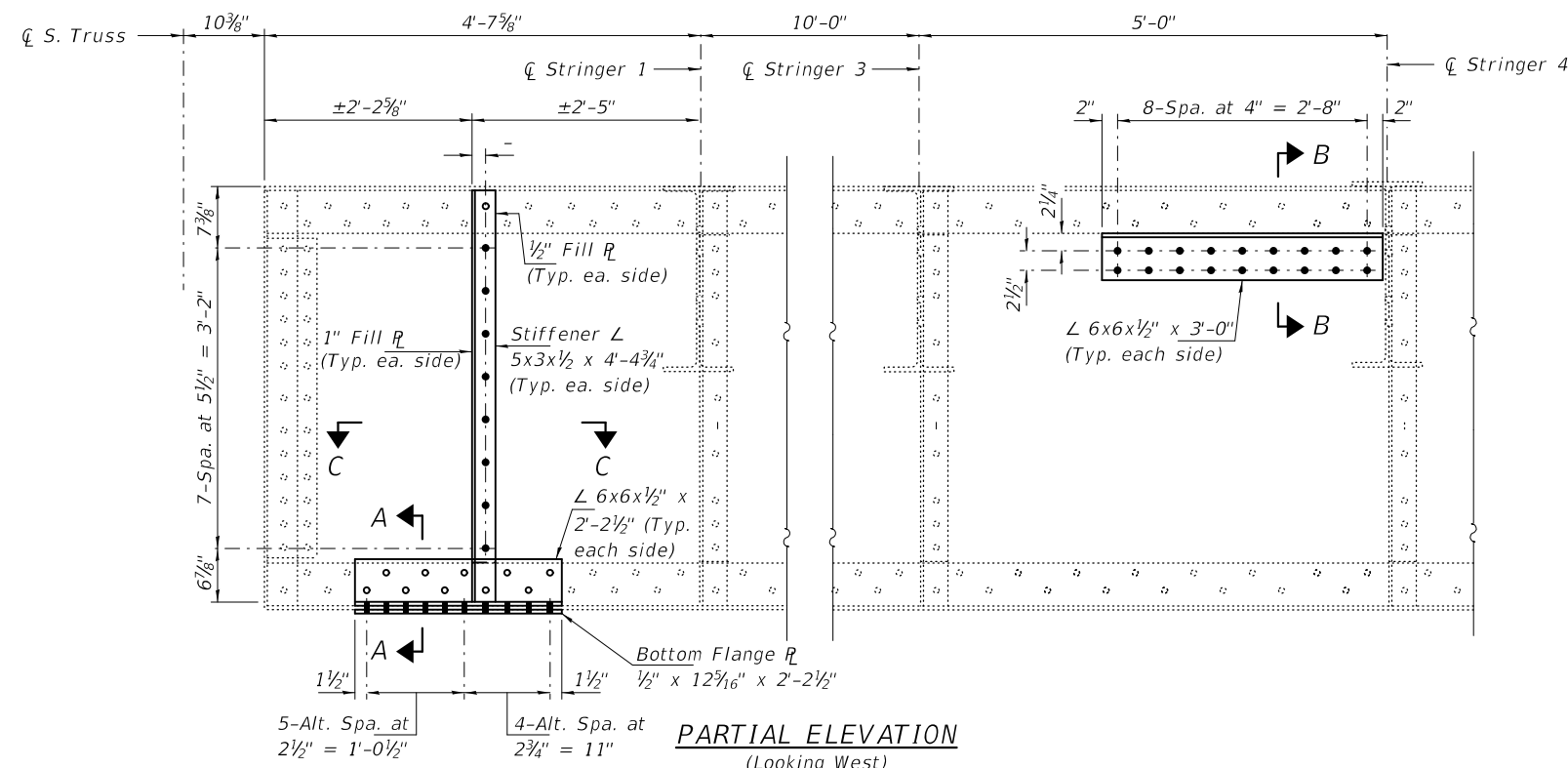
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FLOORBEAM REPAIR DETAILS - SPANS 9 & 10
SN 001-0019

SHEET NO. 16 OF 34 SHEETS

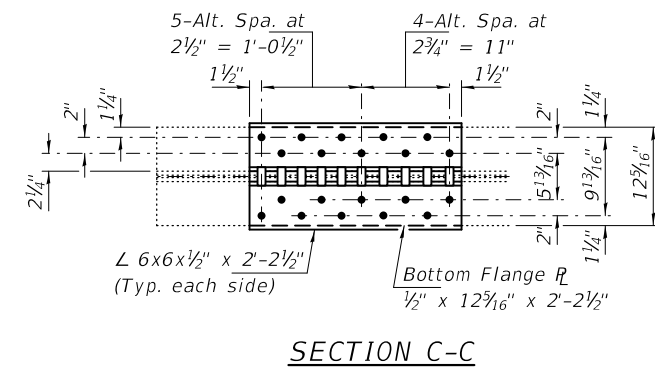
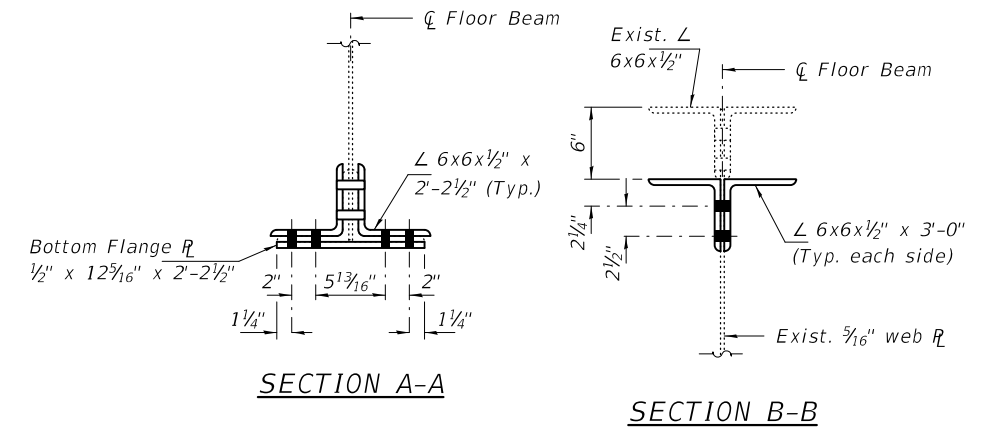
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B),BP,BRR,BJR-1,BDR,L	ADAMS	78	24
CONTRACT NO. 72L58				

ILLINOIS FED. AID PROJECT

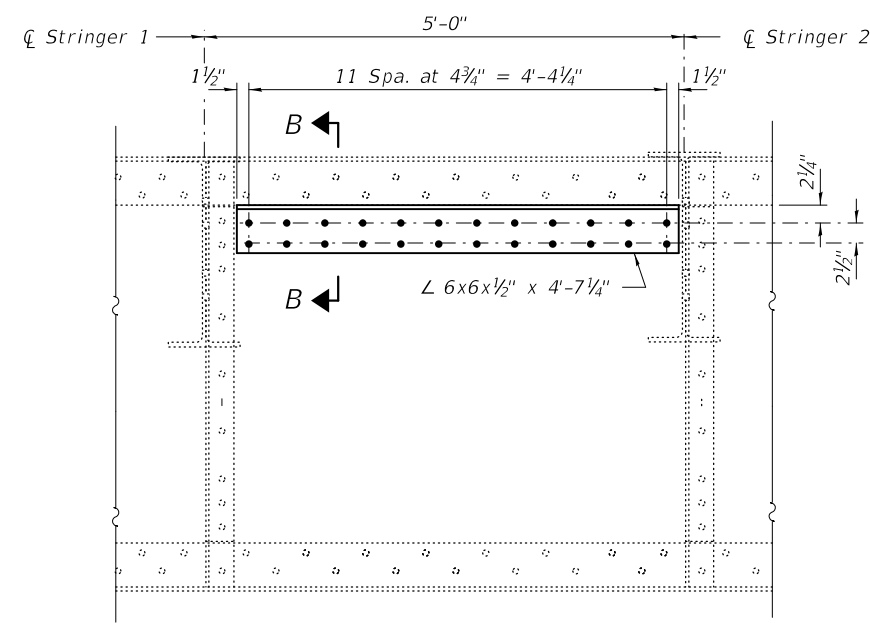


PARTIAL ELEVATION
(Looking West)

ITEM 55
Sp 10, FB 2

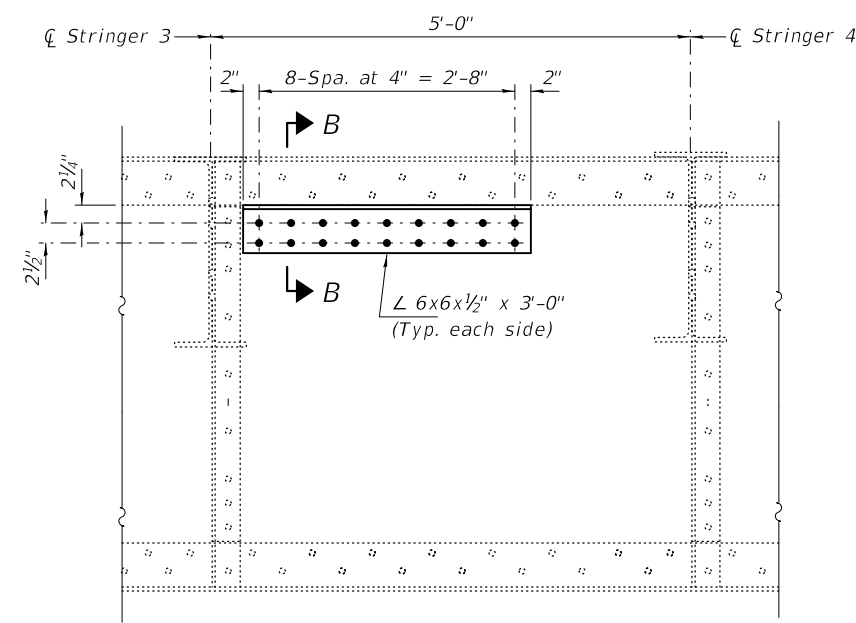


SECTION C-C



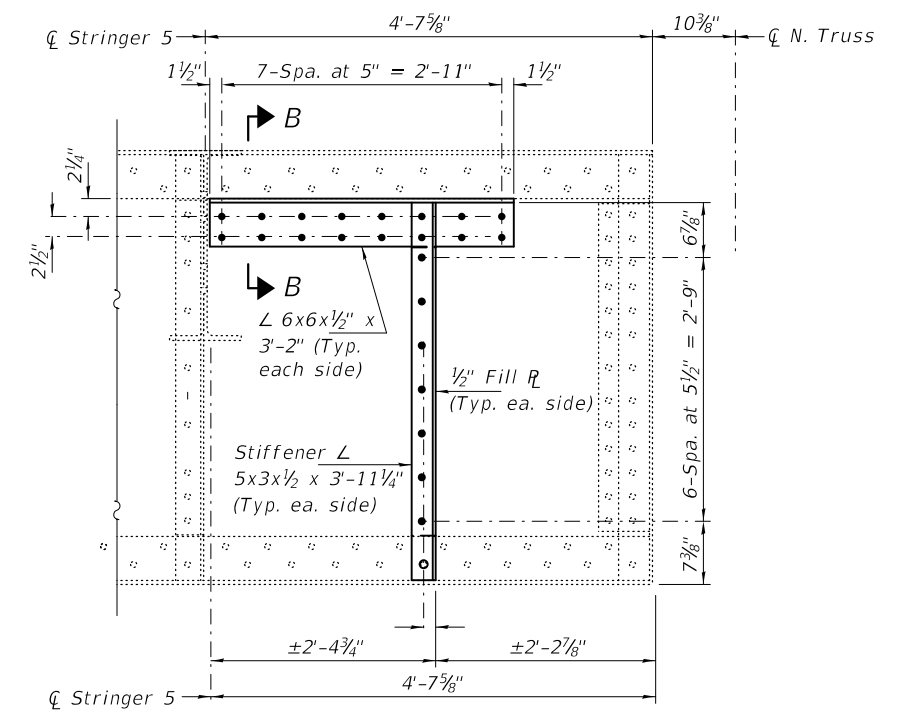
PARTIAL ELEVATION
(Looking West)

ITEM 52
Sp 10, FB 6



PARTIAL ELEVATION
(Looking West)

ITEM 54
Sp 10, FB 3



PARTIAL ELEVATION
(Looking West)

ITEM 647
Sp 10, FB 1

BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

DESIGNED - JSB	EXAMINED - <i>Timothy A. Daulton</i>
CHECKED - VHV	ENGINEER OF STRUCTURAL SERVICES
DRAWN - daburdell Steffen	PASSED - <i>Carl R. Steffen</i>
CHECKED - JSB VHV	ENGINEER OF BRIDGES AND STRUCTURES

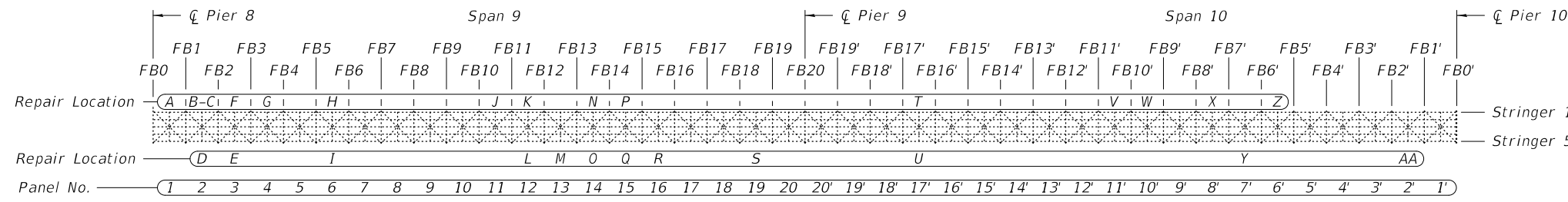
DATE - OCTOBER 5, 2020
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

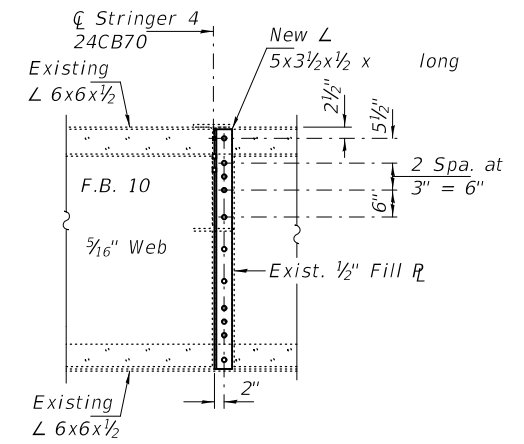
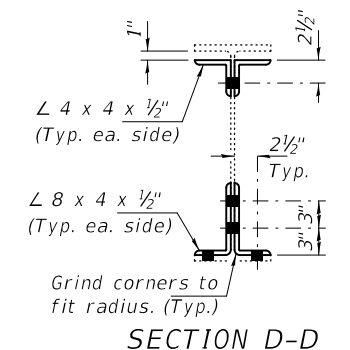
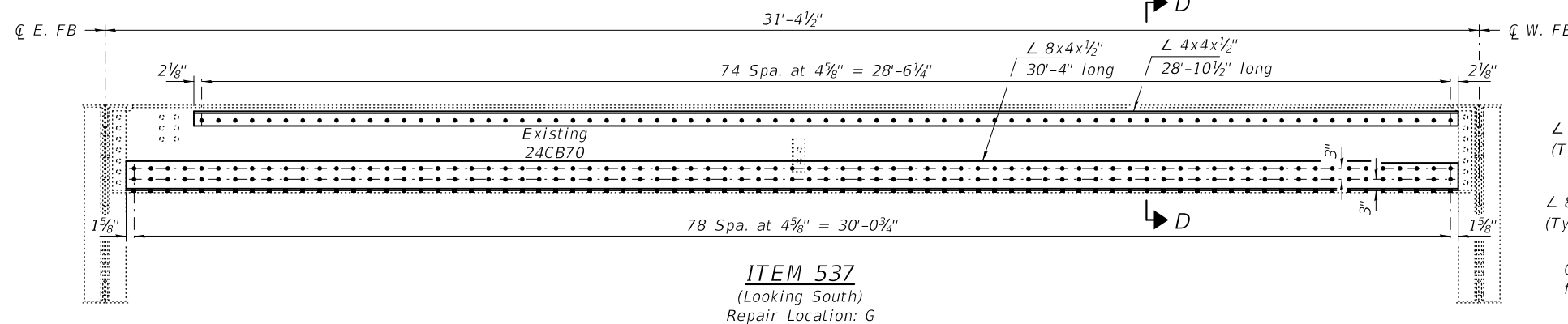
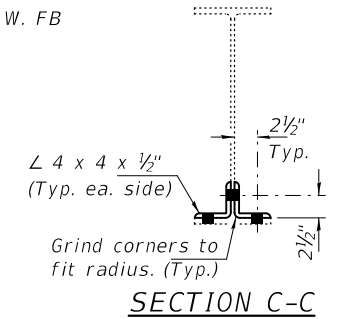
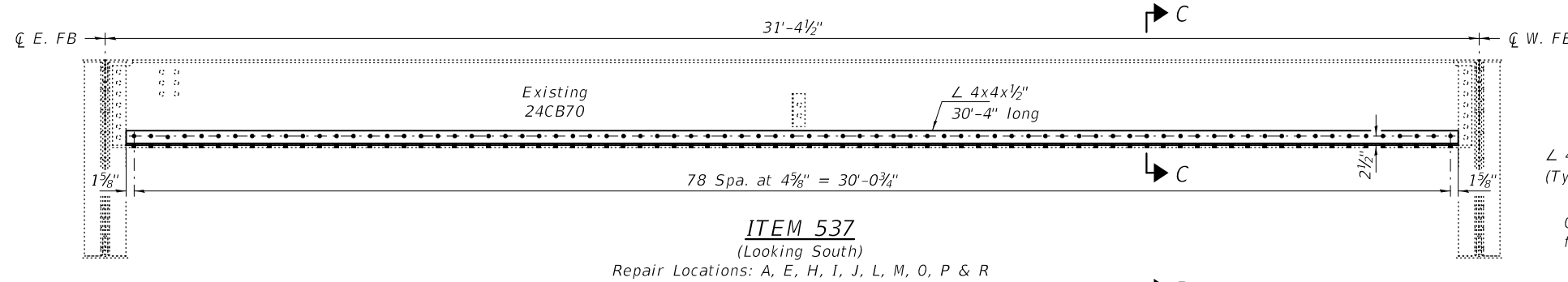
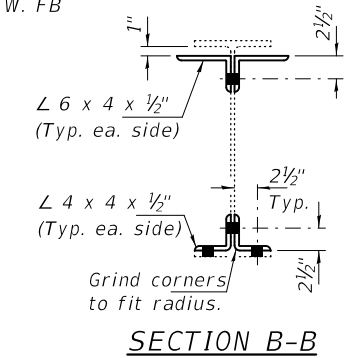
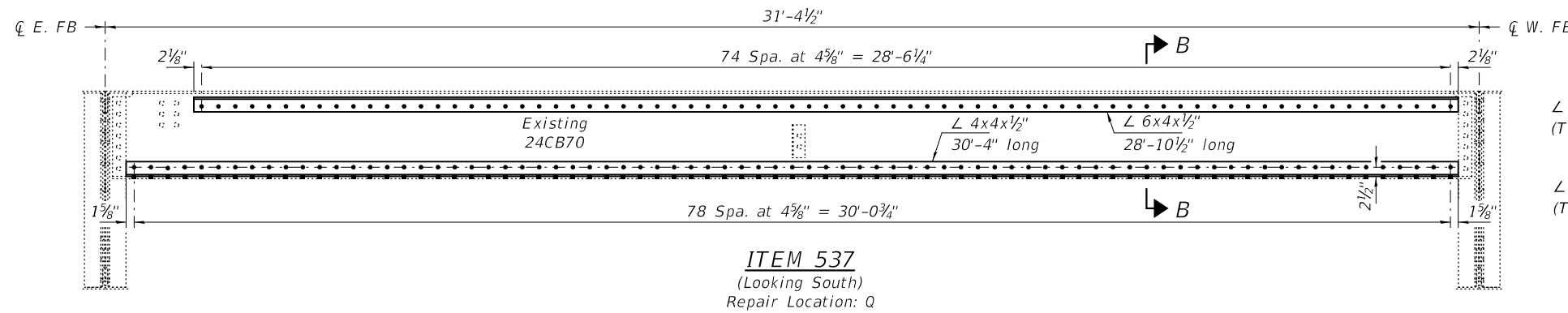
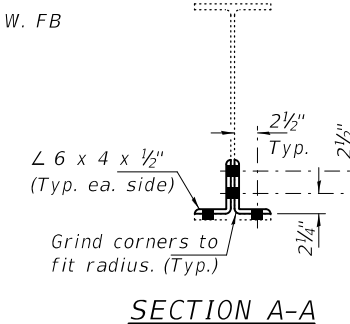
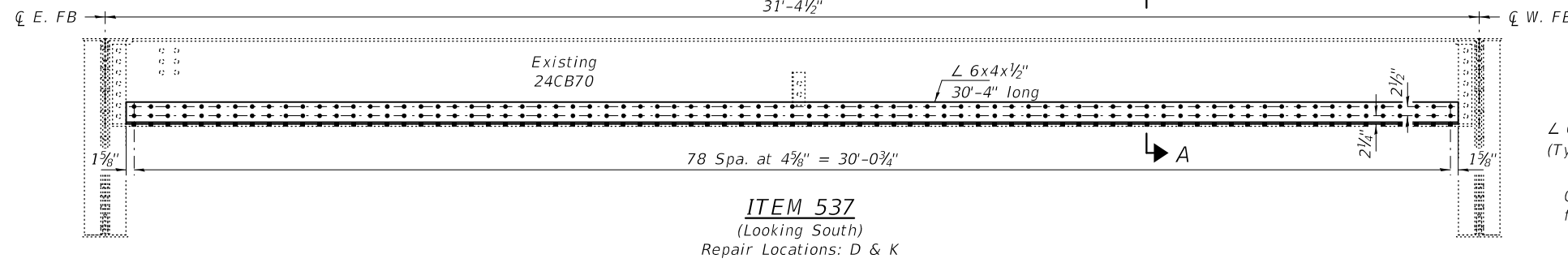
FLOORBEAM REPAIR DETAILS - SPANS 9 & 10
SN 001-0019

SHEET NO. 17 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B),BP,BRR,BJR-1,BDR,L	ADAMS	78	25
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

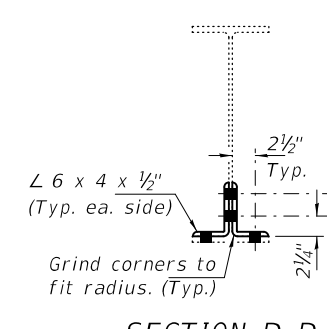
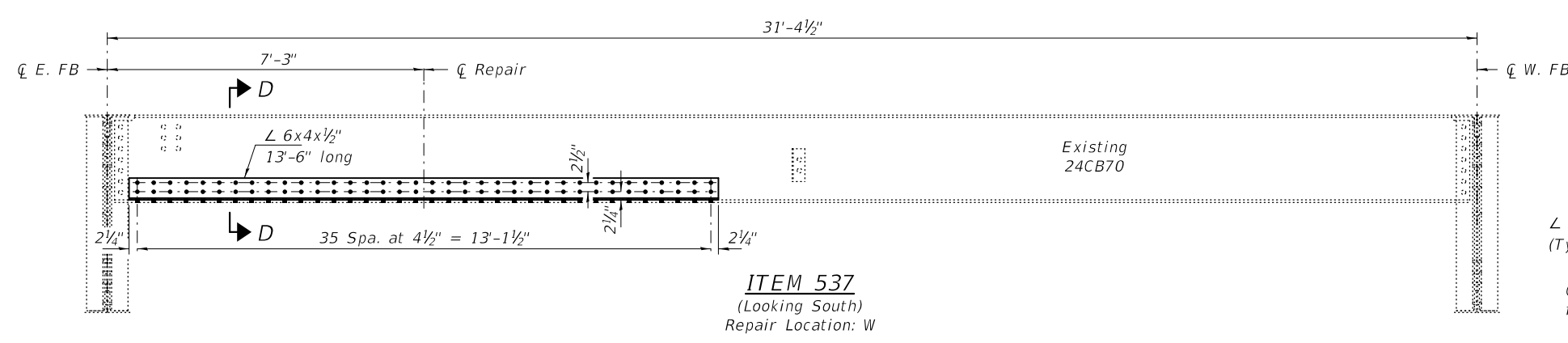
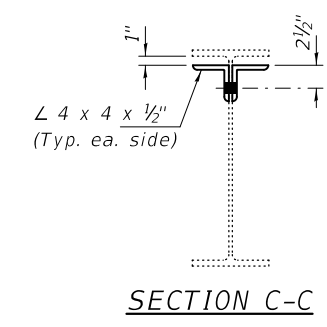
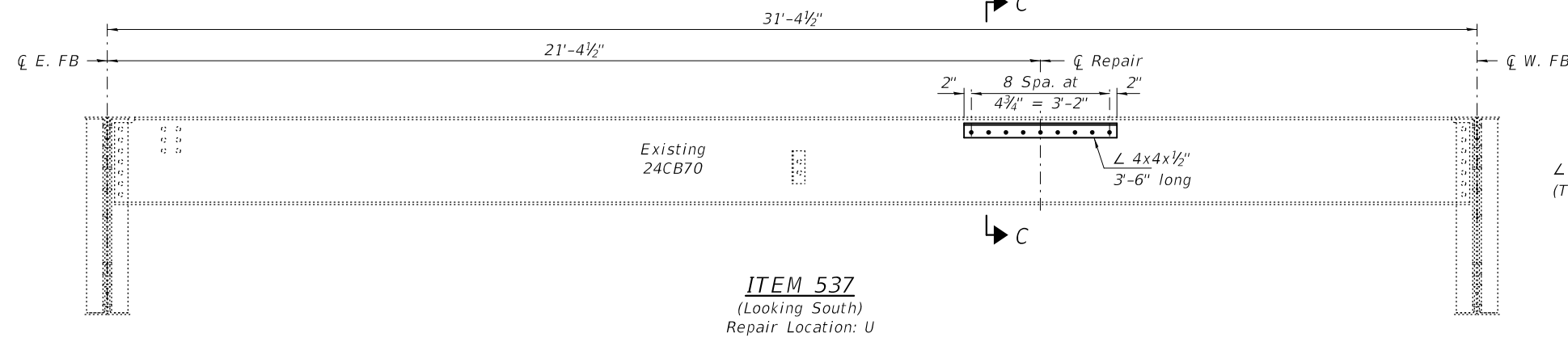
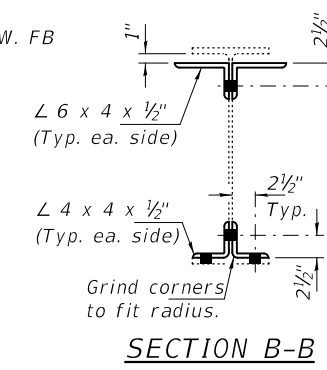
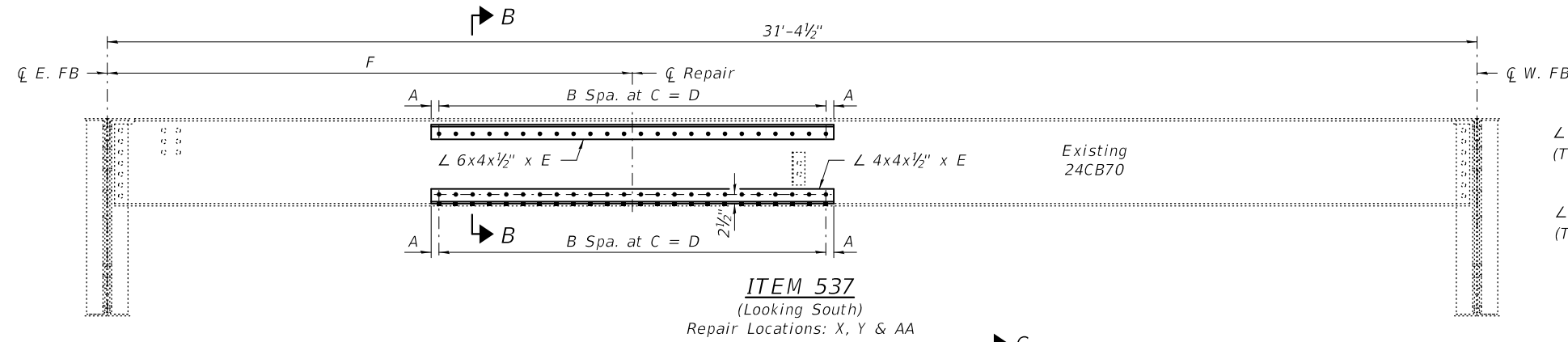
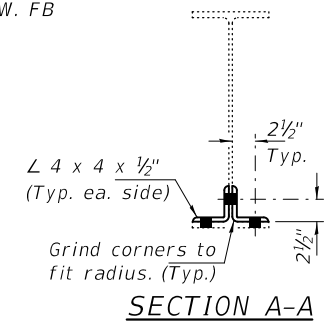
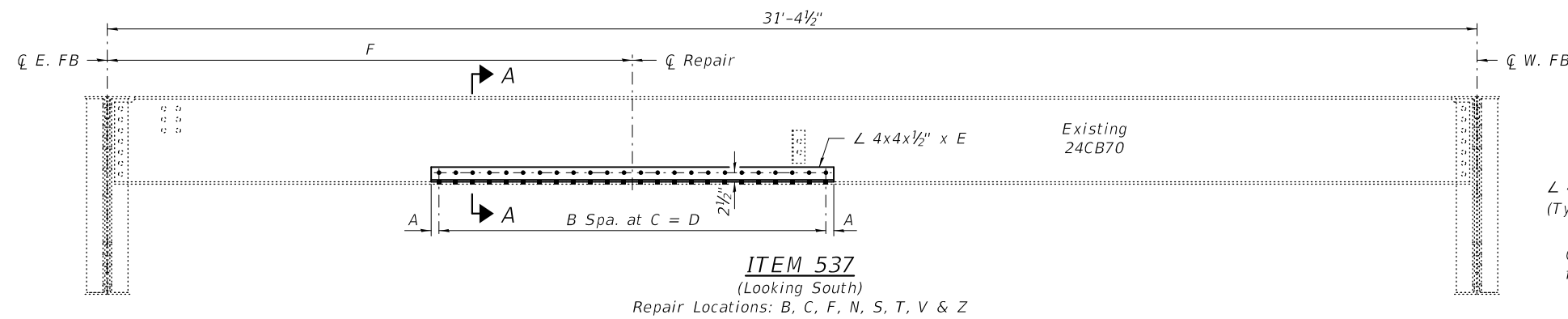


PLAN
(Showing Item 537 repair locations)



- BOLT HOLE LEGEND**
- - Holes to be shop drilled.
 - - Holes to be field drilled using existing holes as template.

DESIGNED - JSB	EXAMINED - <i>Timothy A. Daulton</i>	DATE - OCTOBER 5, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRINGER REPAIR DETAILS - SPANS 9 & 10 SN 001-0019	F.A.P. RTE. 63	SECTION (12B),BP,BRR,BJR-1,BDR,L	COUNTY ADAMS	TOTAL SHEETS 78	SHEET NO. 26	
CHECKED - VHV	PASSED - <i>Carl R. Steffen</i>	REVISED -			CONTRACT NO. 72L58					
DRAWN - daburdell Steffen	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			SHEET NO. 18 OF 34 SHEETS					
CHECKED - JSB VHV	ENGINEER OF BRIDGES AND STRUCTURES				ILLINOIS FED. AID PROJECT					

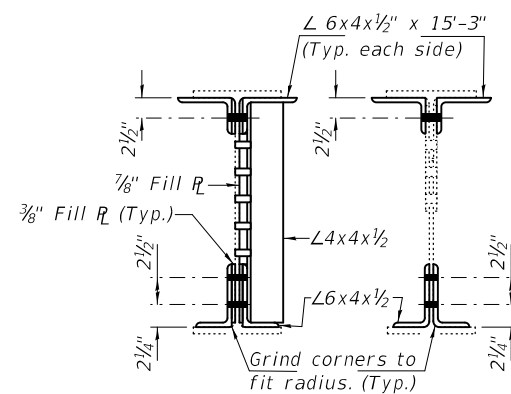


Repair Location	L Length E	A	B	C	D	F
** A	2'-6"	2 1/2"	5	5"	2'-1"	21'-4 1/2"
B	5'-6"	2 1/8"	13	4 3/4"	5'-1 3/4"	5'-0"
C	2'-6"	2 1/2"	5	5"	2'-1"	23'-4 1/2"
F	5'-6"	2 1/8"	13	4 3/4"	5'-1 3/4"	23'-4 1/2"
N	8'-6"	1 1/2"	22	4 1/2"	8'-3"	23'-4 1/2"
S	11'-6"	1 1/2"	30	4 1/2"	11'-3"	6'-3"
T	4'-0"	1 1/2"	10	4 1/2"	3'-9"	21'-4 1/2"
V	3'-6"	2"	8	4 3/4"	3'-2"	29'-1 1/2"
* X	7'-6"	2 1/4"	18	4 3/4"	7'-1 1/2"	27'-1 1/2"
* Y	3'-6"	2"	8	4 3/4"	3'-2"	6'-0"
Z	7'-6"	2 1/4"	18	4 3/4"	7'-1 1/2"	25'-4 1/2"
* AA	2'-6"	2 1/2"	5	5"	2'-1"	1'-9"
-	-	-	-	-	-	-

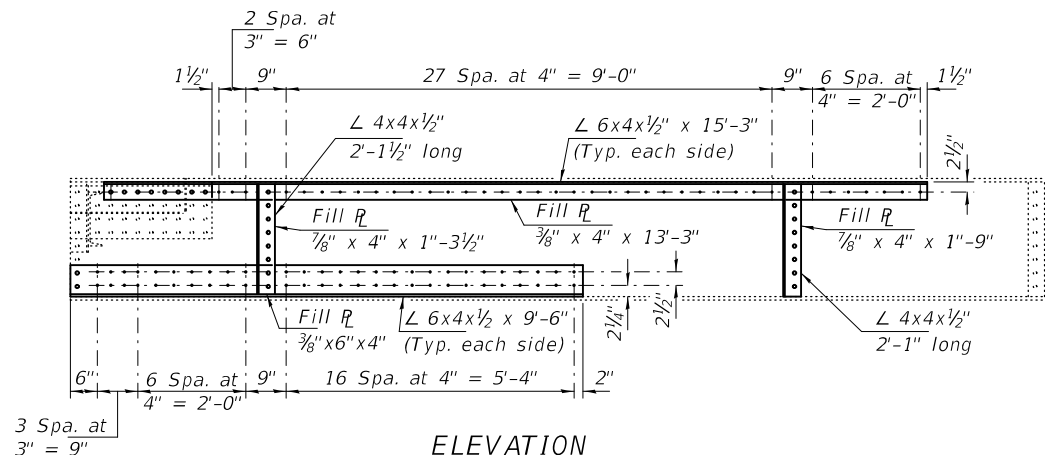
Note:
 All dimensions are typical except as noted.
 * Top and Bottom angles.
 ** Top angle only.

BOLT HOLE LEGEND

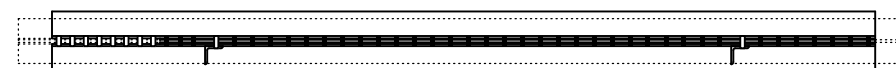
- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.



SECTIONS
(Looking West)



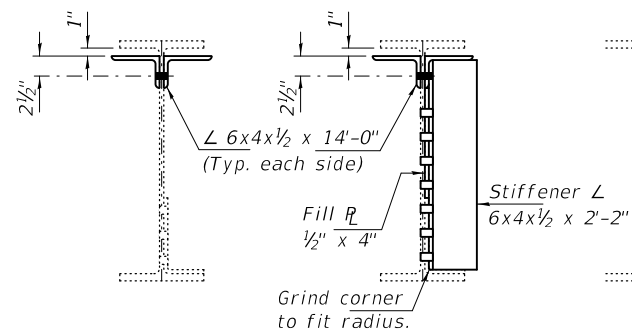
ELEVATION
(Looking South)



PLAN

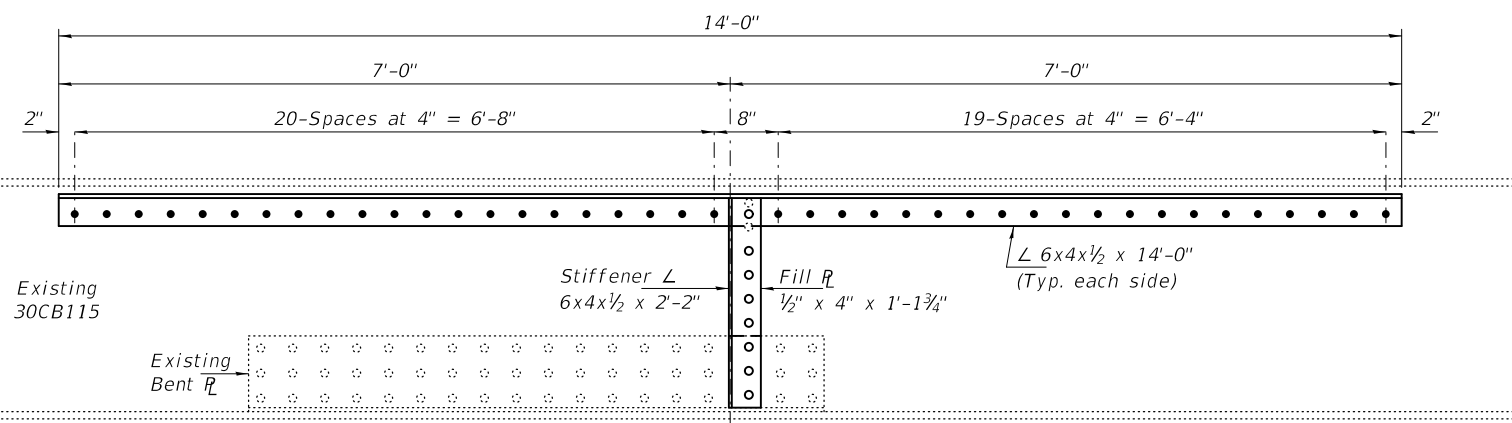
ITEM 724

Span 1, Beam 1 at E. Abut.



SECTION

SECTION AT MID-SPAN



ELEVATION

ITEM 426

Span 2, Beam 1 at Midspan

BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

DESIGNED - JSB
 CHECKED - VHV
 DRAWN - daburdell Steffen
 CHECKED - JSB VHV

EXAMINED
 PASSED
 ENGINEER OF STRUCTURAL SERVICES
 ENGINEER OF BRIDGES AND STRUCTURES

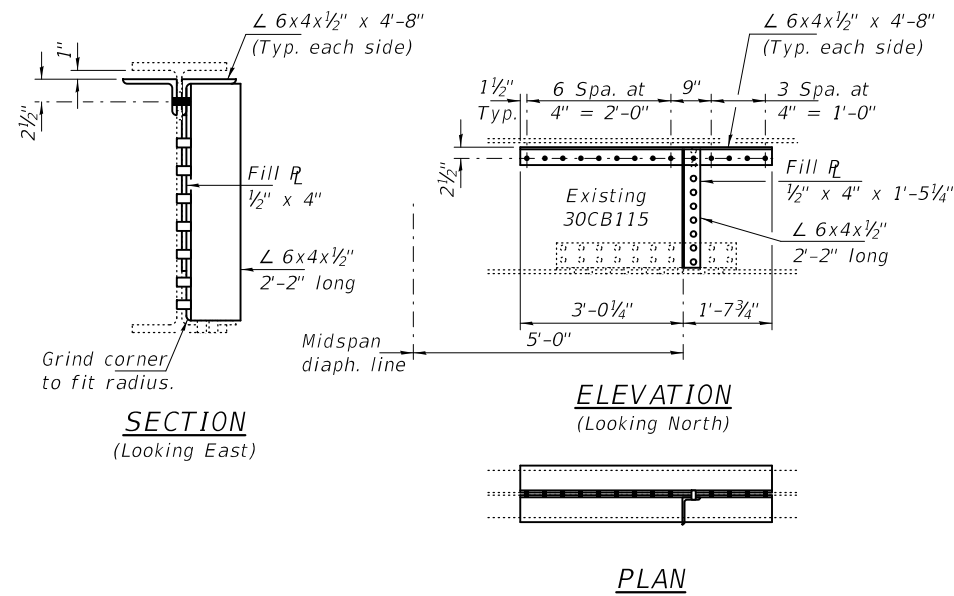
DATE - OCTOBER 5, 2020
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

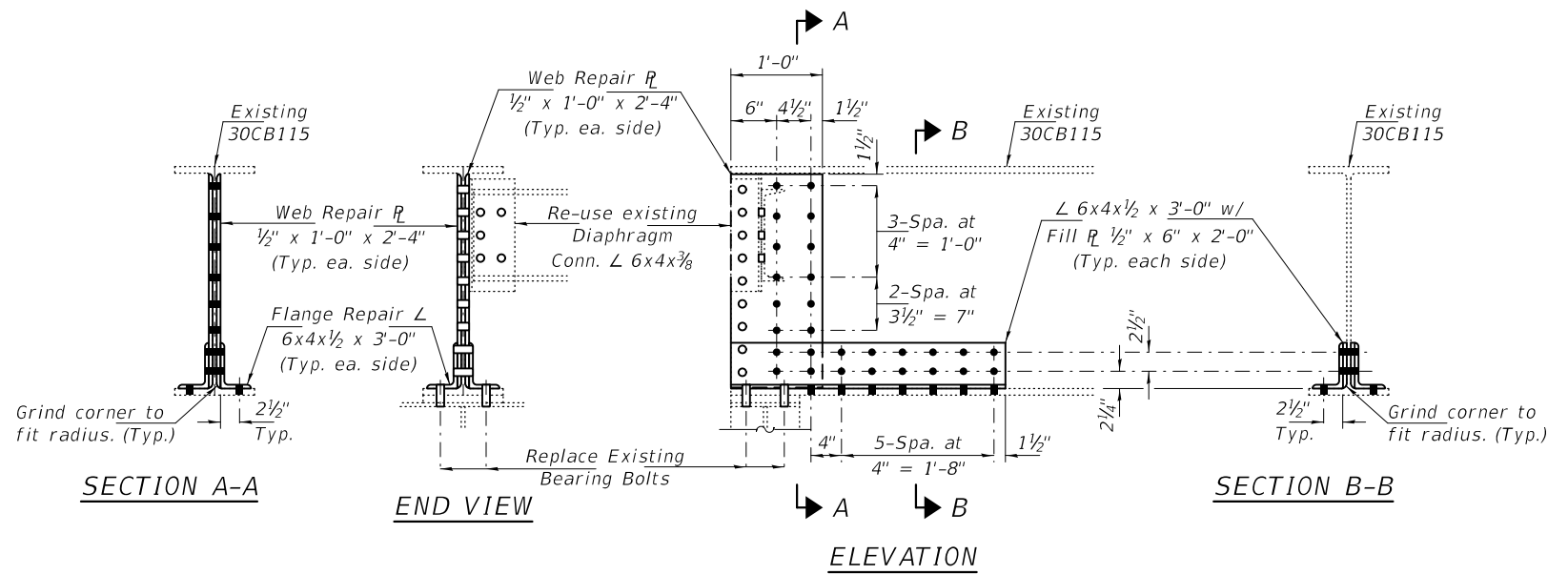
BEAM REPAIR DETAILS - SPANS 1 & 2
SN 001-0019

SHEET NO. 20 OF 34 SHEETS

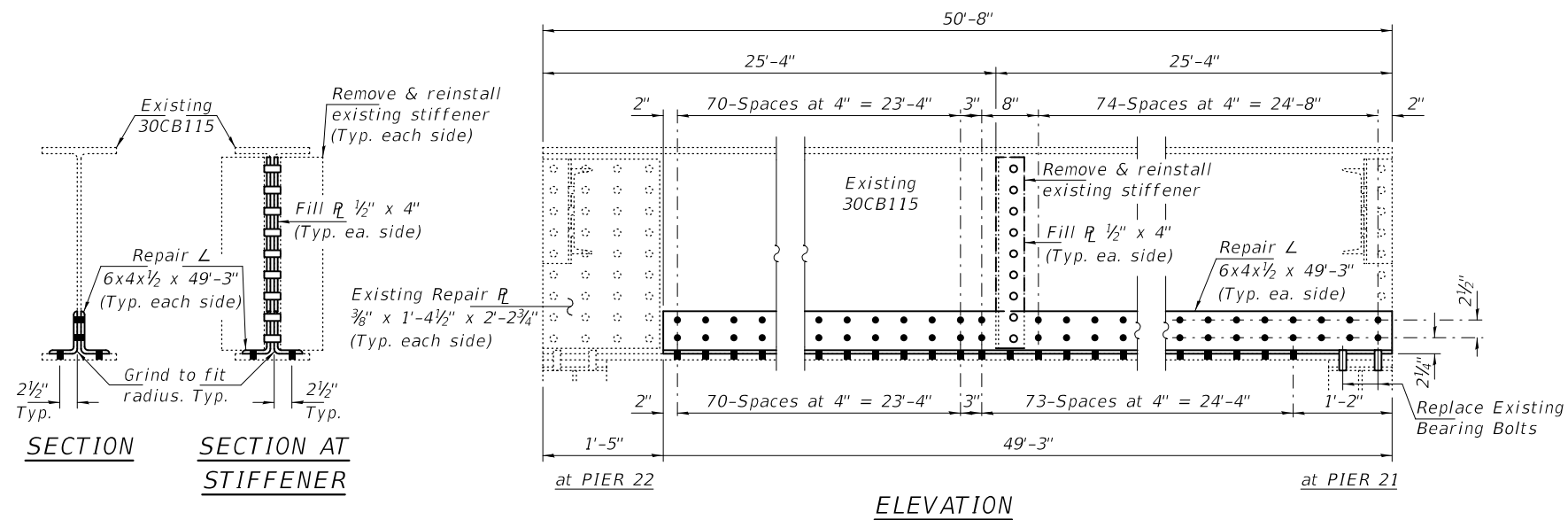
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB),BP,BRR,BJR-1,BDR,L	ADAMS	78	28
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



ITEM 495
 Span 22, Beam 1 at Midspan



ITEM 759
 Span 22, Beam 1 at Pier 21



ITEM 693
 Span 22, Beam 5

BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

DESIGNED - JSB
 CHECKED - VHV
 DRAWN - daburdell Steffen
 CHECKED - JSB VHV

EXAMINED
 PASSED
 ENGINEER OF STRUCTURAL SERVICES
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - OCTOBER 5, 2020
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BEAM REPAIR DETAILS - SPAN 22
 SN 001-0019

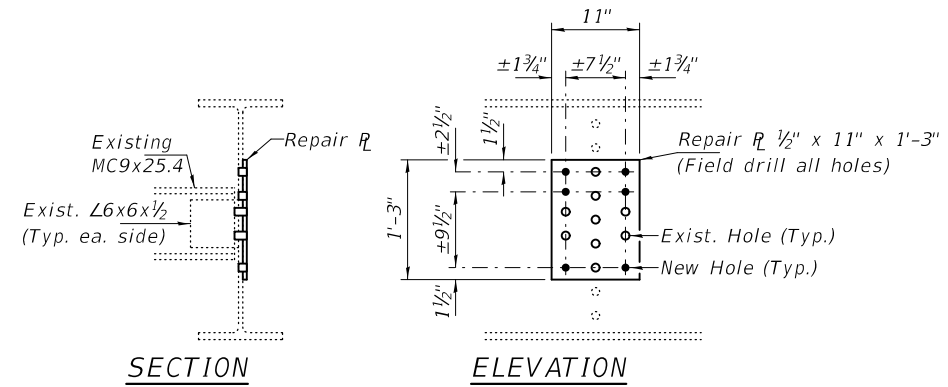
SHEET NO. 21 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B),BP,BRR,BJR-1,BDR,L	ADAMS	78	29
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



Replace bolt and use oversized washer.

ITEM 697
Span 23, Beam 2 at Pier 23
(2019 NBIS Photo #498)



ITEMS 413, 696 & 701
Item 413 - Span 27, Beam 5
Item 696 - Span 23, Beam 5
Item 701 - Span 24, Beams 1 & 5

BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

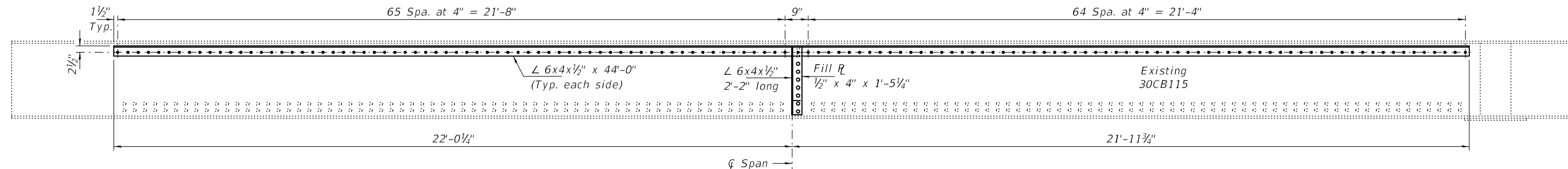
DESIGNED - JSB	EXAMINED	DATE - OCTOBER 5, 2020
CHECKED - VHV	<i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	
DRAWN - daburdell Steffen	PASSED	REVISED -
CHECKED - JSB VHV	<i>Carl R. Meyer</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

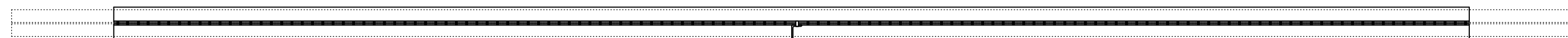
BEAM REPAIR DETAILS - SPANS 23 & 24
SN 001-0019

SHEET NO. 22 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B),BP,BRR,BJR-1,BDR,L	ADAMS	78	30
CONTRACT NO. 72L58				
ILLINOIS		FED. AID PROJECT		

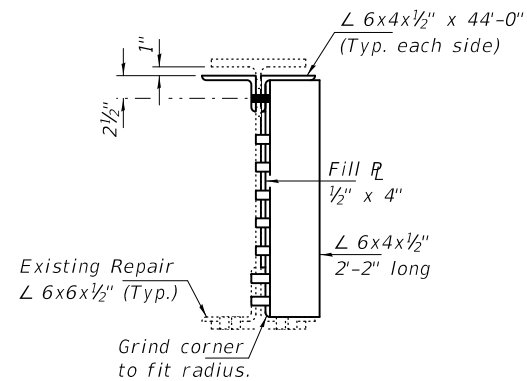


ELEVATION
(Looking South)



PLAN

ITEM 409 & 411
Span 24, Beam 1 (Item 409)
SPan 25, Beam 1 (Item 411)



SECTION
(Looking West)

BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

DESIGNED - JSB
CHECKED - VHV
DRAWN - daburdell Steffen
CHECKED - JSB VHV

EXAMINED
PASSED

 ENGINEER OF STRUCTURAL SERVICES

 ENGINEER OF BRIDGES AND STRUCTURES

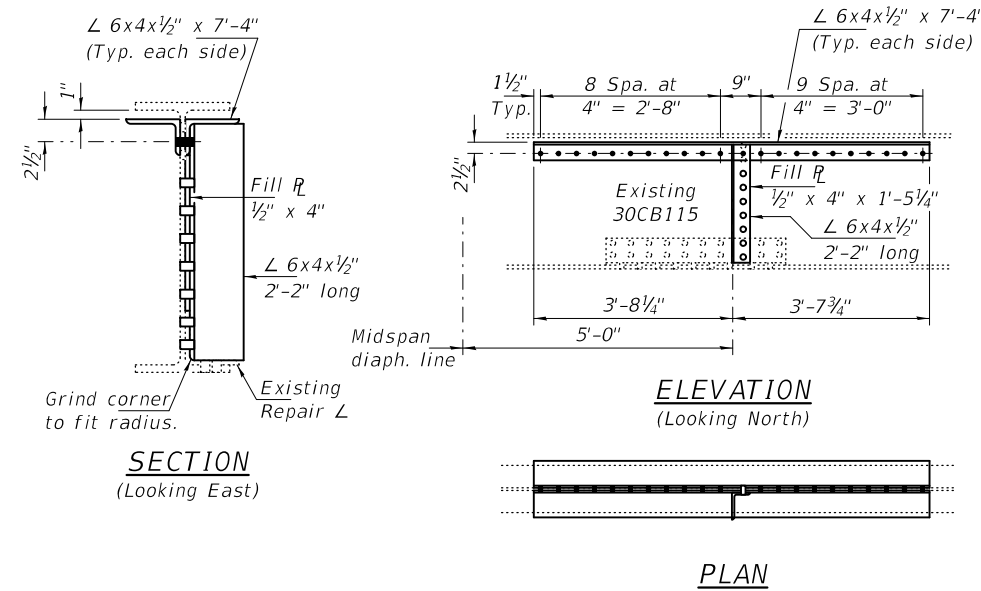
DATE - OCTOBER 5, 2020
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

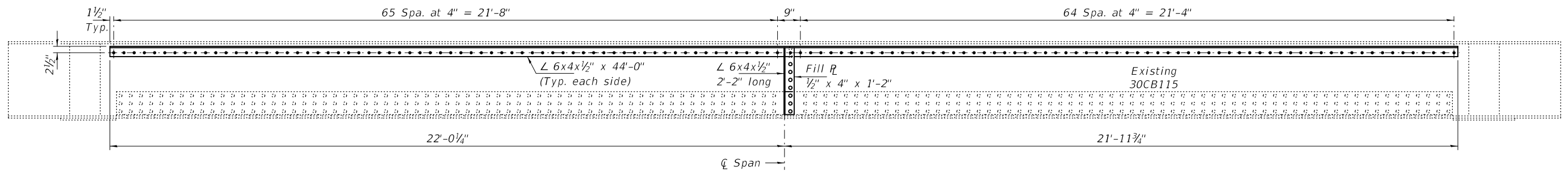
BEAM REPAIR DETAILS - SPANS 24 & 25
SN 001-0019

SHEET NO. 23 OF 34 SHEETS

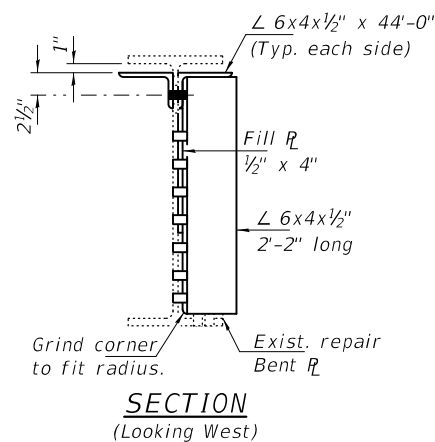
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB),BP,BRR,BJR-1,BDR,L	ADAMS	78	31
CONTRACT NO. 72L58				
ILLINOIS		FED. AID PROJECT		



ITEM 499
Span 26, Beam 1 near Midspan



ELEVATION
(Looking South)



SECTION
(Looking West)

BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

DESIGNED - JSB
CHECKED - VHV
DRAWN - daburdell Steffen
CHECKED - JSB VHV

EXAMINED
PASSED
ENGINEER OF STRUCTURAL SERVICES
ENGINEER OF BRIDGES AND STRUCTURES

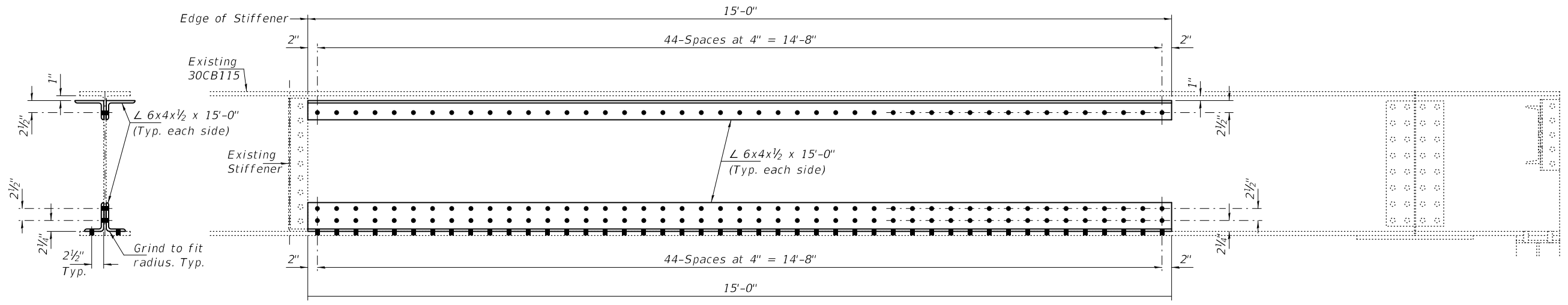
DATE - OCTOBER 5, 2020
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM REPAIR DETAILS - SPAN 26
SN 001-0019

SHEET NO. 24 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B),BP,BRR,BJR-1,BDR,L	ADAMS	78	32
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

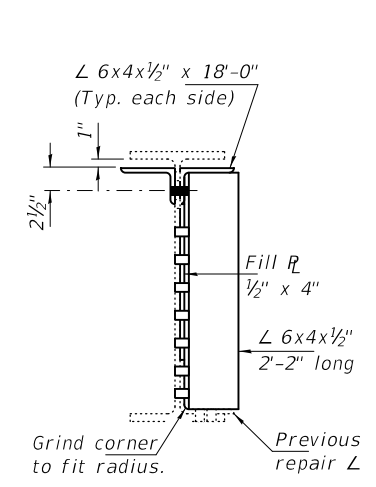


SECTION

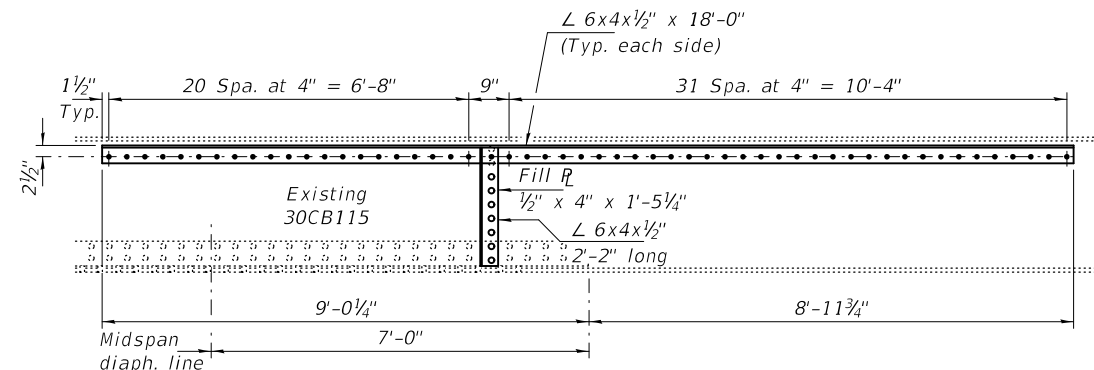
ELEVATION

ITEM 413

Span 27, Beam 5, East of Midspan



SECTION (Looking East)

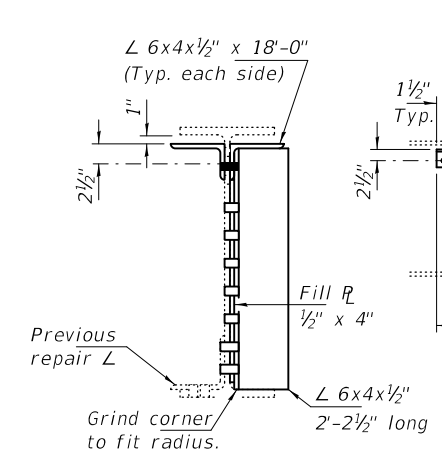


ELEVATION (Looking North)

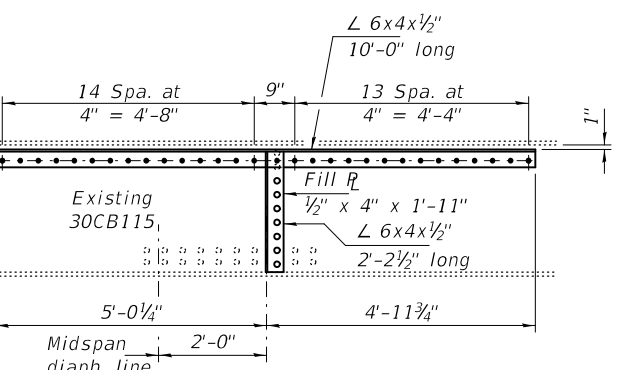
PLAN

ITEM 504

Span 27, Beam 1, Midspan



SECTION (Looking East)



ELEVATION (Looking North)

PLAN

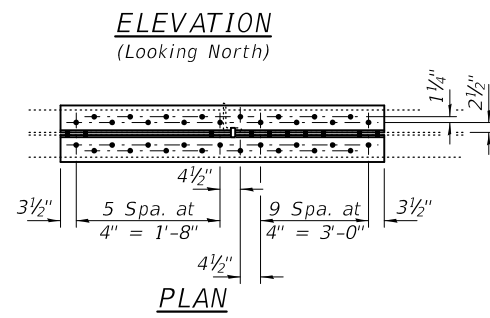
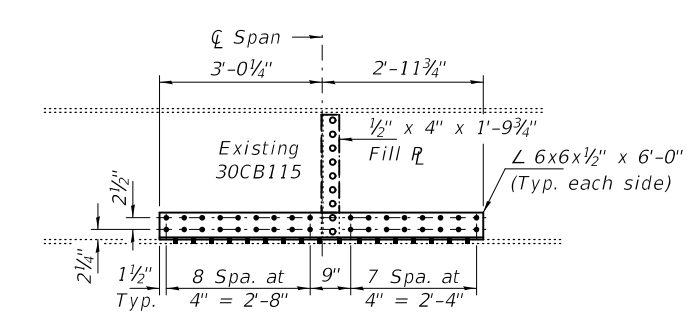
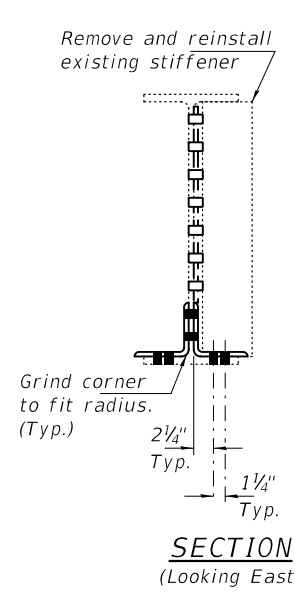
ITEM 414

Span 28, Beam 1, Midspan

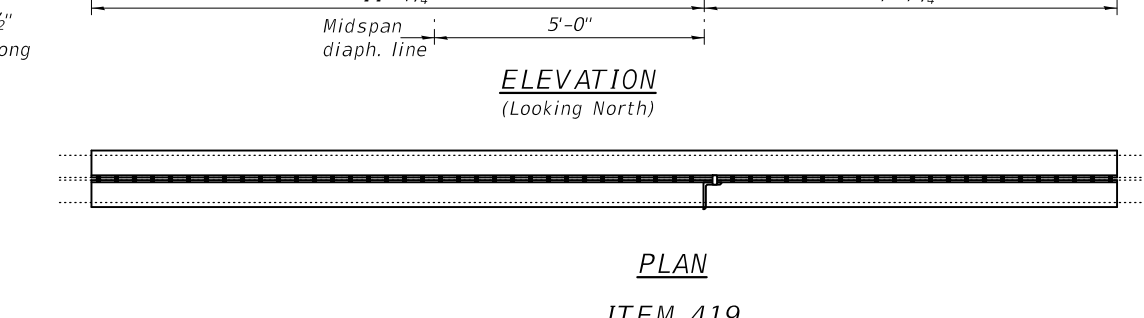
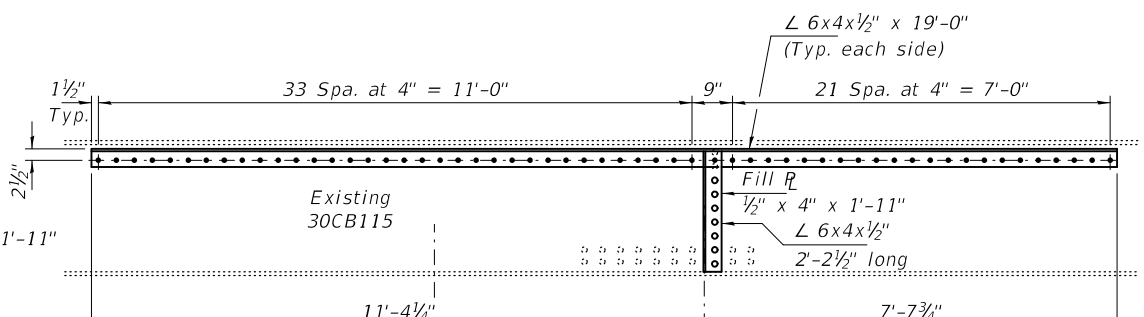
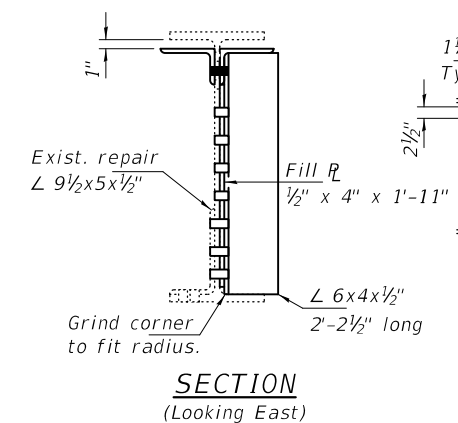
BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

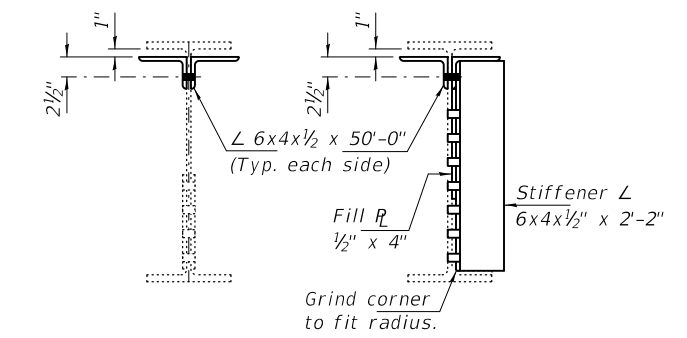
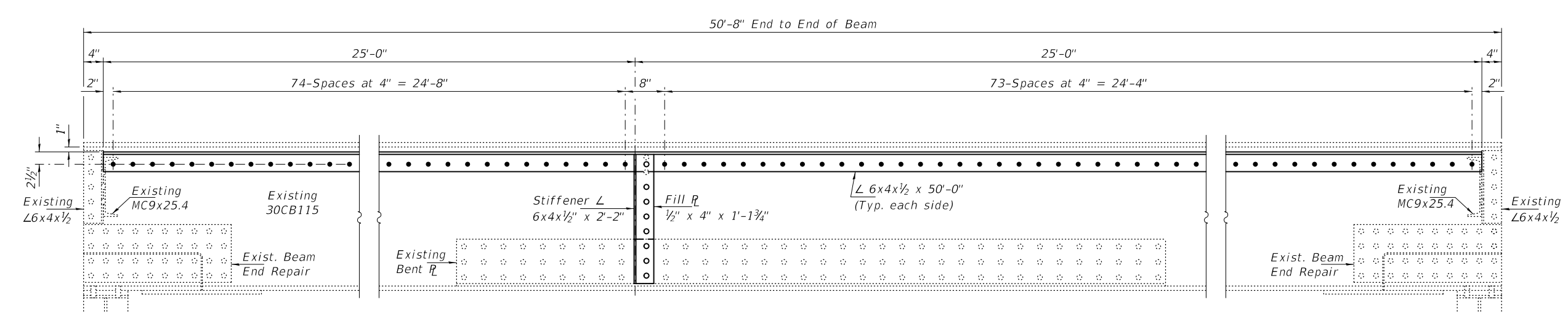
DESIGNED - JSB	EXAMINED - <i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	DATE - OCTOBER 5, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BEAM REPAIR DETAILS - SPAN 26 SN 001-0019		F.A.P. RTE. 63	SECTION (1ZB),BP,BRR,BJR-1,BDR,L	COUNTY ADAMS	TOTAL SHEETS 78	SHEET NO. 33	
CHECKED - VHV	PASSED - <i>Carl R. Roper</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		SHEET NO. 25 OF 34 SHEETS		CONTRACT NO. 72L58					
DRAWN - daburdell Steffen		REVISED -									
CHECKED - JSB VHV								ILLINOIS FED. AID PROJECT			



ITEM 720
Span 29, Beam 5, Midspan



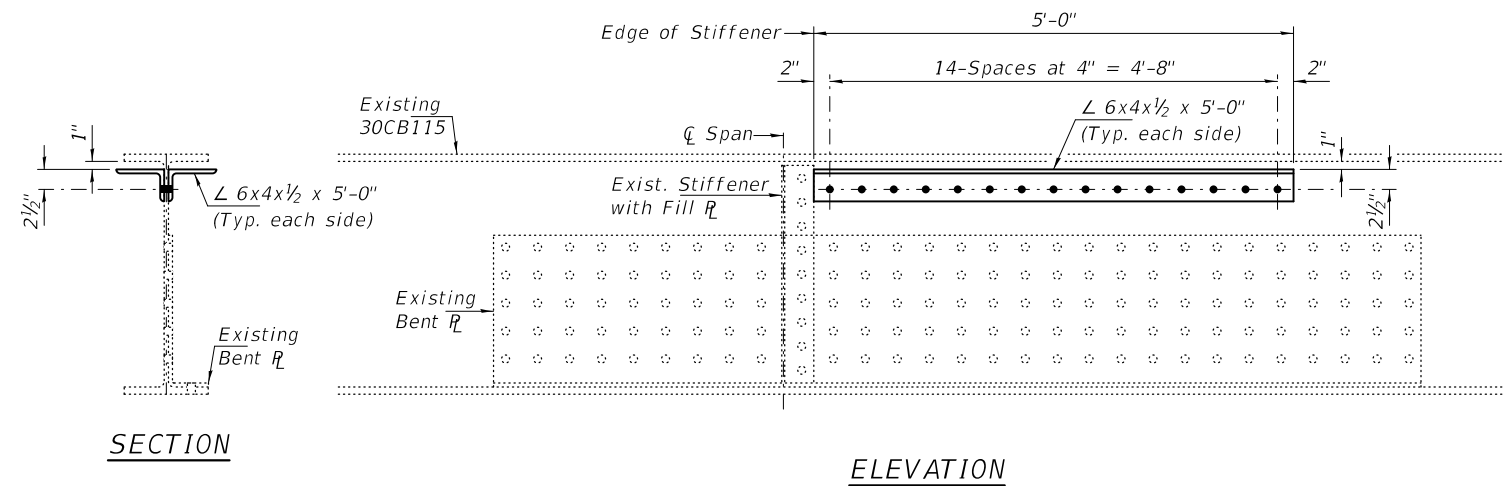
ITEM 419
Span 30, Beam 1, Midspan



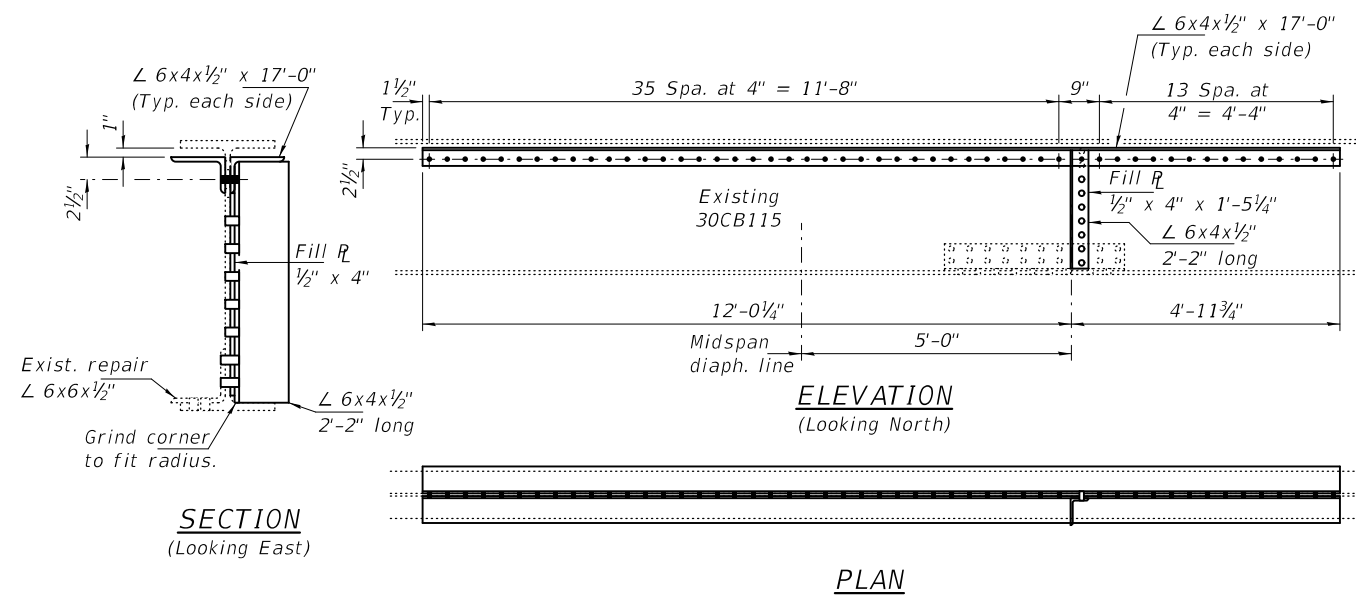
ITEM 420
Span 31, Beam 5

BOLT HOLE LEGEND
 ● - Holes to be shop drilled.
 ○ - Holes to be field drilled using existing holes as template.

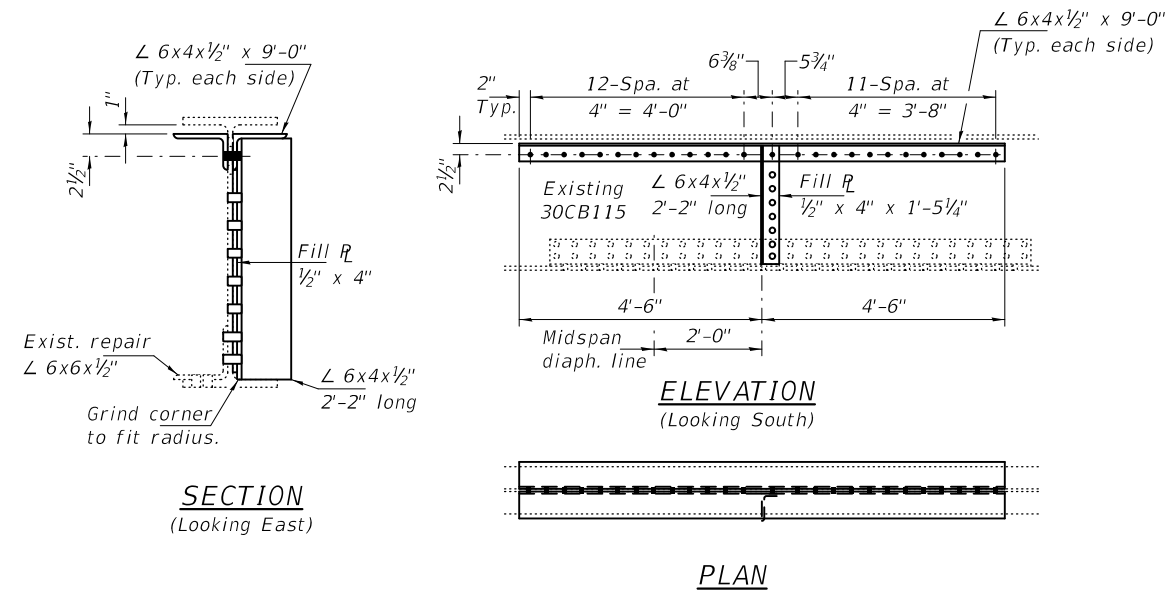
DESIGNED - JSB	EXAMINED - <i>Timothy A. Daburdell</i>	DATE - OCTOBER 5, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BEAM REPAIR DETAILS - SPANS 29 THRU 31 SN 001-0019	F.A.P. RTE. 63	SECTION (1ZB),BP,BRR,BJR-1,BDR,L	COUNTY ADAMS	TOTAL SHEETS 78	SHEET NO. 34	
CHECKED - VHV	PASSED - <i>Carl R. Steffen</i>	REVISD -			CONTRACT NO. 72L58					
DRAWN - <i>daburdell Steffen</i>	REVISD -	SHEET NO. 26 OF 34 SHEETS								
CHECKED - JSB VHV	ENGINEER OF BRIDGES AND STRUCTURES	ILLINOIS FED. AID PROJECT								



ITEM 302
Span 32, Beam 5, Midspan



ITEMS 99 & 301
Span 31, Beam 1, Midspan (Item 99)
Span 32, Beam 1, Midspan (Item 301)

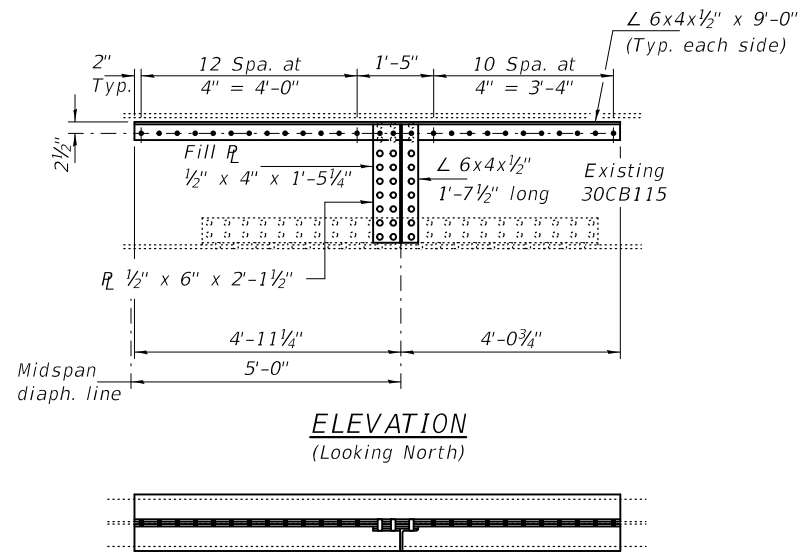
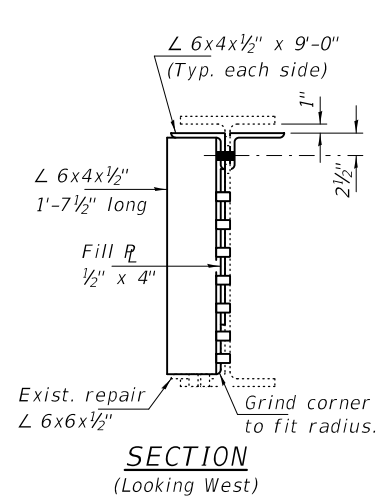


ITEM 515
Span 33, Beam 5, Midspan

BOLT HOLE LEGEND

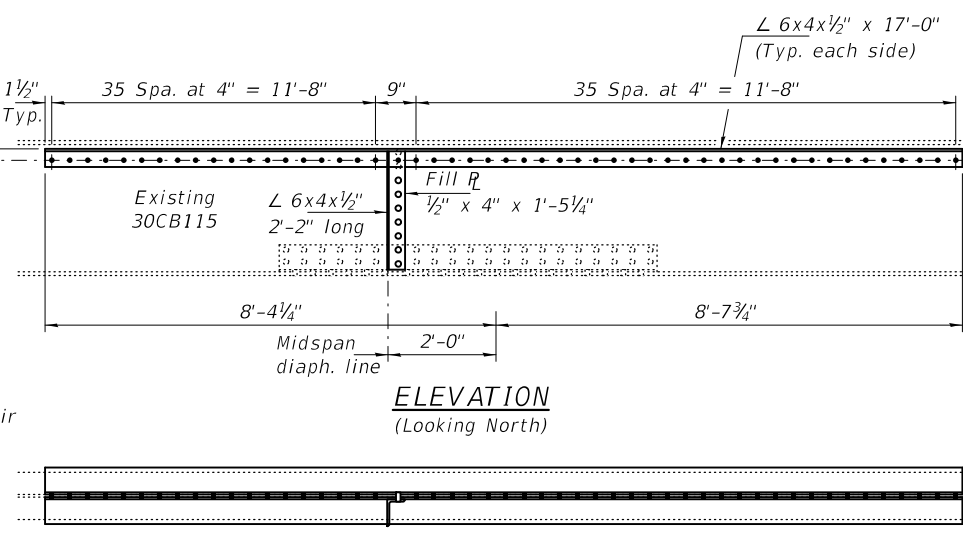
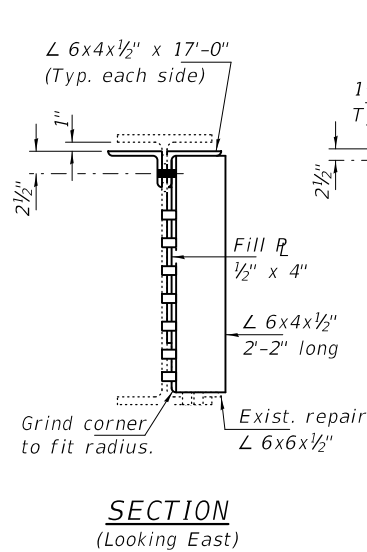
- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

DESIGNED - JSB	EXAMINED - <i>Timothy A. Daburdell</i>	DATE - OCTOBER 5, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BEAM REPAIR DETAILS - SPANS 31 THRU 33 SN 001-0019	F.A.P. RTE. 63	SECTION (1ZB),BP,BRR,BJR-1,BDR,L	COUNTY ADAMS	TOTAL SHEETS 78	SHEET NO. 35	
CHECKED - VHV	PASSED - <i>Carl R. Steffen</i>	REVISED -			CONTRACT NO. 72L58					
DRAWN - <i>daburdell Steffen</i>	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			SHEET NO. 27 OF 34 SHEETS					
CHECKED - JSB VHV	ENGINEER OF STRUCTURAL SERVICES				ILLINOIS FED. AID PROJECT					



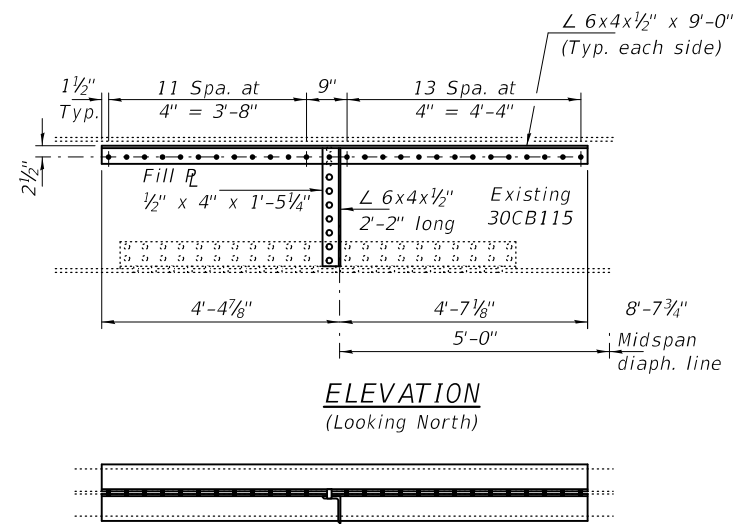
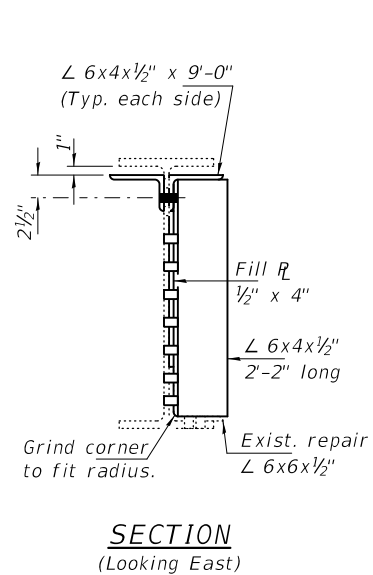
PLAN

ITEMS 421
Span 34, Beam 1 near Midspan



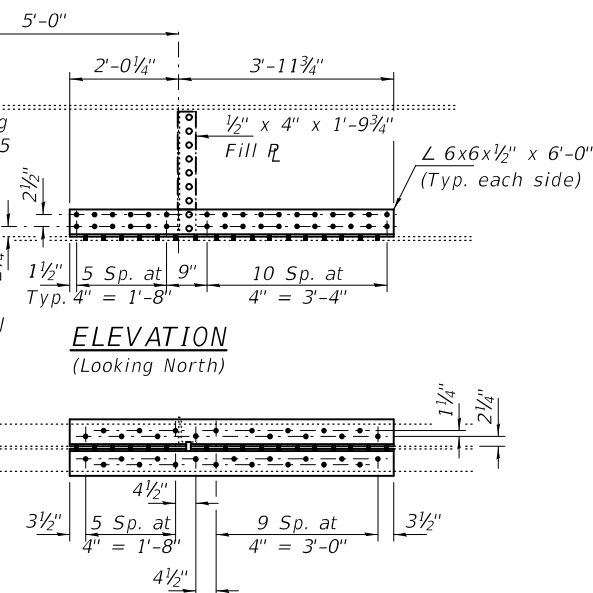
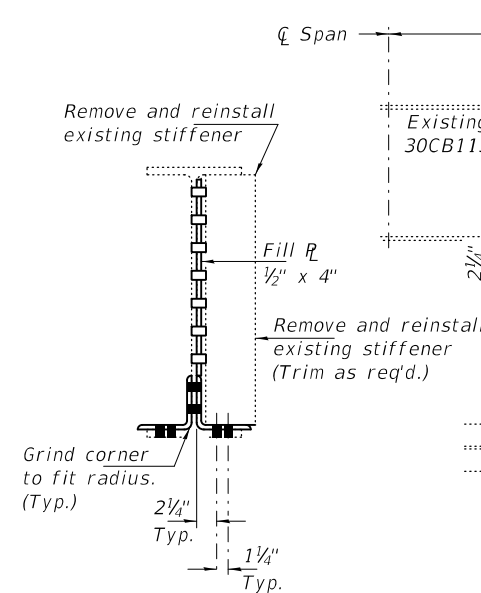
PLAN

ITEMS 422
Span 34, Beam 5 near Midspan



PLAN

ITEMS 304
Span 35, Beam 5 near Midspan



PLAN

ITEMS 709
Span 37, Beam 1 near Midspan

BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

DESIGNED - JSB
CHECKED - VHV
DRAWN - daburdell Steffen
CHECKED - JSB VHV

EXAMINED
PASSED
ENGINEER OF STRUCTURAL SERVICES
ENGINEER OF BRIDGES AND STRUCTURES

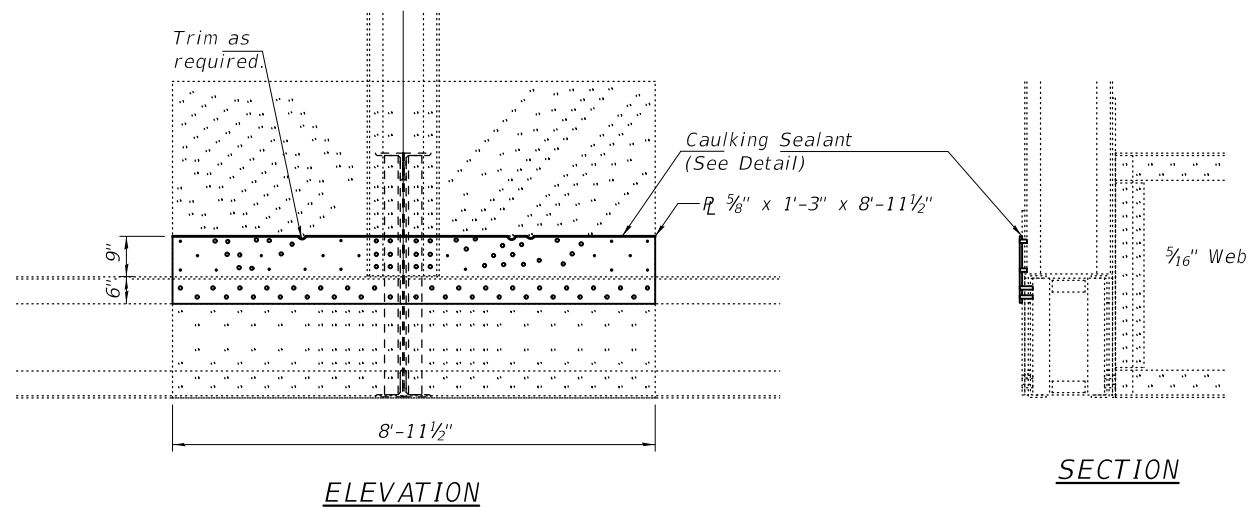
DATE - OCTOBER 5, 2020
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM REPAIR DETAILS - SPANS 34, 35 & 37
SN 001-0019

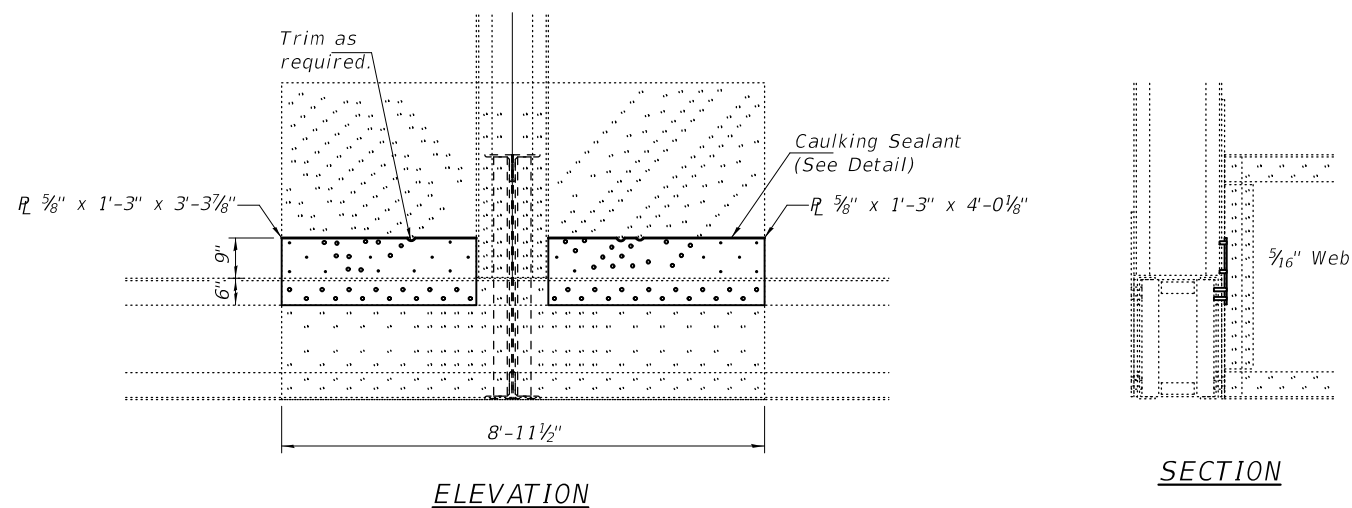
SHEET NO. 28 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1Z)BP,BRR,BJR-1,BDR,L	ADAMS	78	36
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



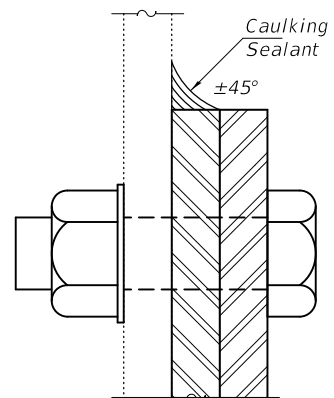
OUTSIDE GUSSET PLATE

ITEM 215
(L165)



INSIDE GUSSET PLATE

ITEM 216
(L165)



CAULKING SEALANT DETAIL

Note:
Sealant shall be compatible with the proposed paint system and shall be submitted to the Engineer for approval prior to use (see Project General Notes, sheet 3 of 34). All costs associated with the installation of the sealant shall be included in Structural Steel Repair.

BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

DESIGNED - JSB
CHECKED - VHV
DRAWN - daburdell Steffen
CHECKED - JSB VHV

EXAMINED	<i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES
PASSED	<i>Carl R. Meyer</i> ENGINEER OF BRIDGES AND STRUCTURES

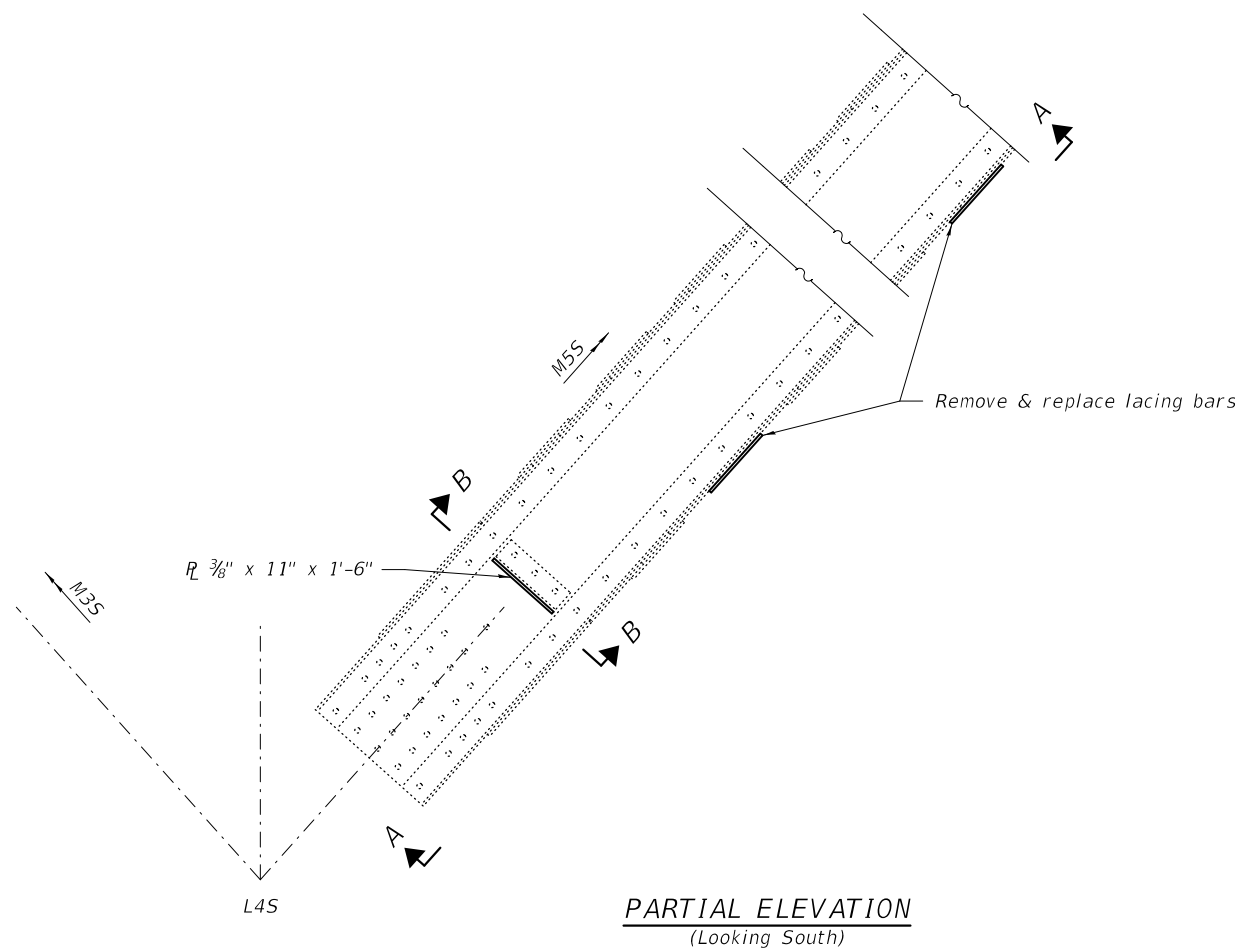
DATE -	OCTOBER 5, 2020
REVISED -	-
REVISED -	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

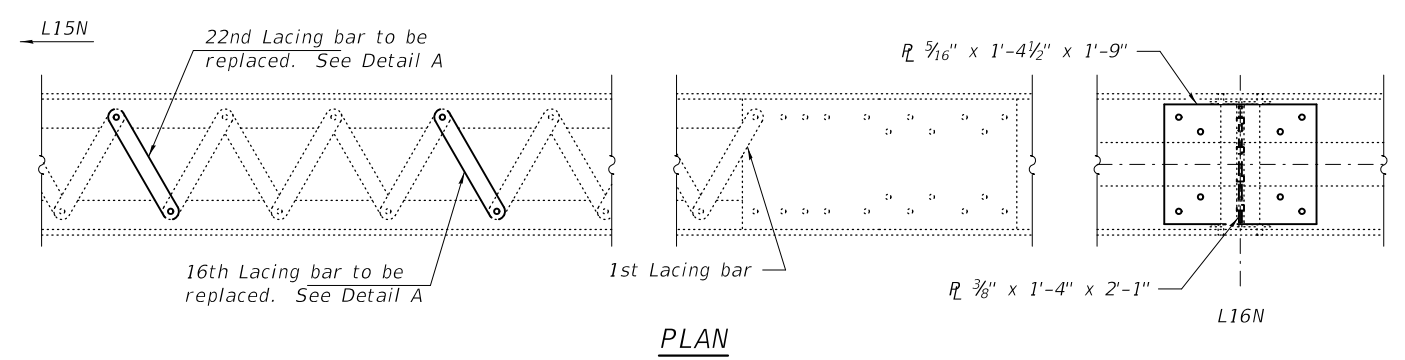
TRUSS MEMBER REPAIR DETAILS - SPANS 9 & 10
SN 001-0019

SHEET NO. 29 OF 34 SHEETS

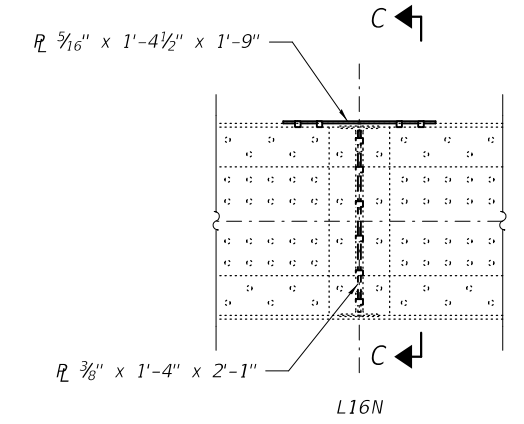
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B),BP,BRR,BJR-1,BDR,L	ADAMS	78	37
CONTRACT NO. 72L58				
ILLINOIS		FED. AID PROJECT		



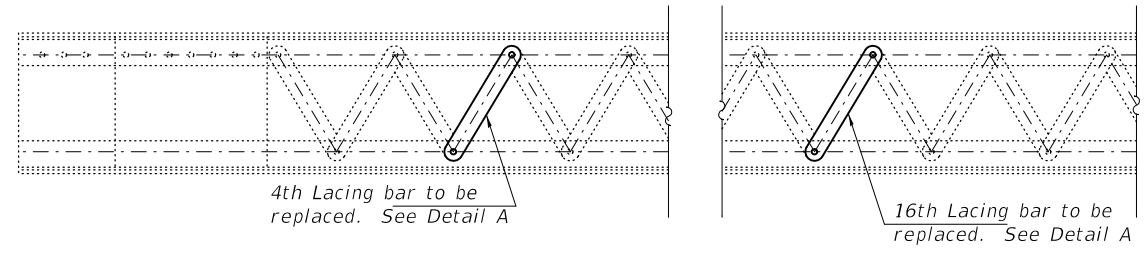
PARTIAL ELEVATION
(Looking South)



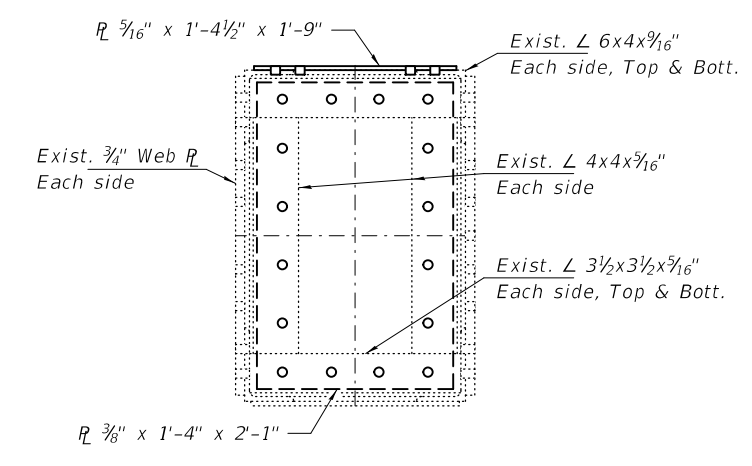
PLAN



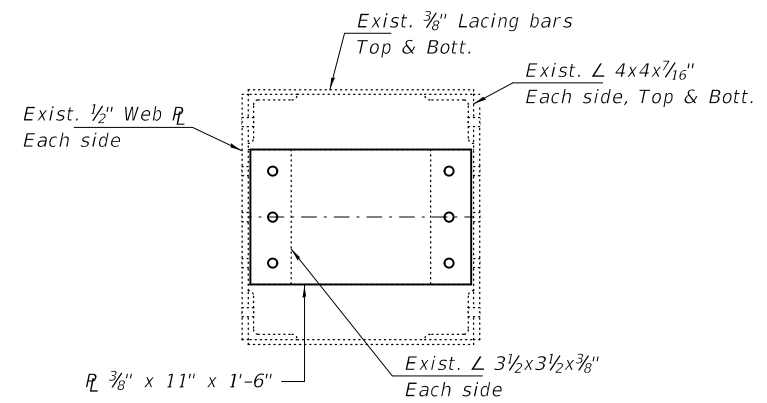
PARTIAL ELEVATION
(Looking South)



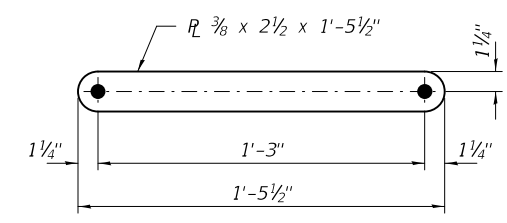
VIEW A-A



SECTION C-C



SECTION B-B



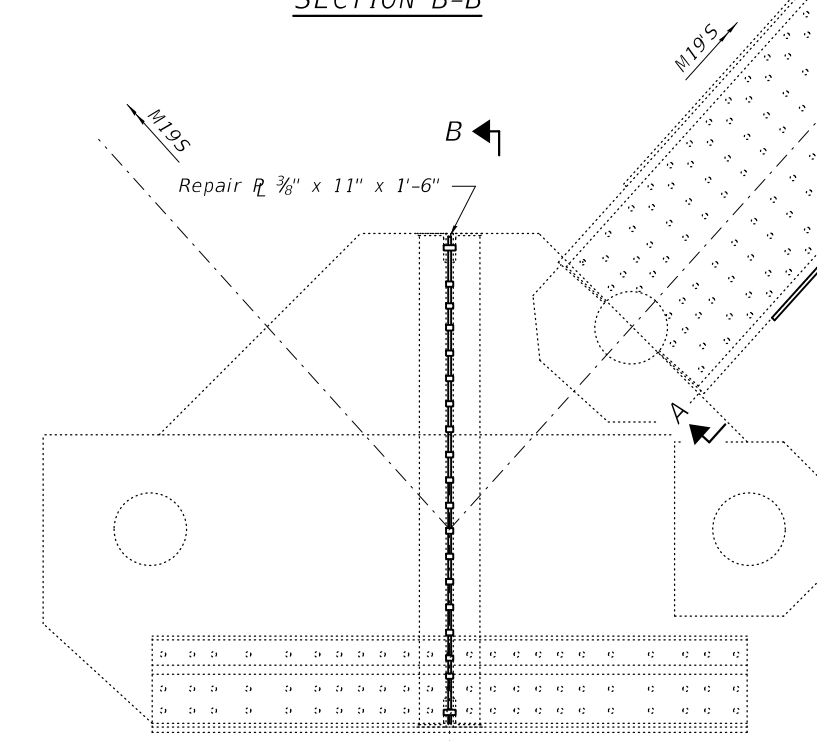
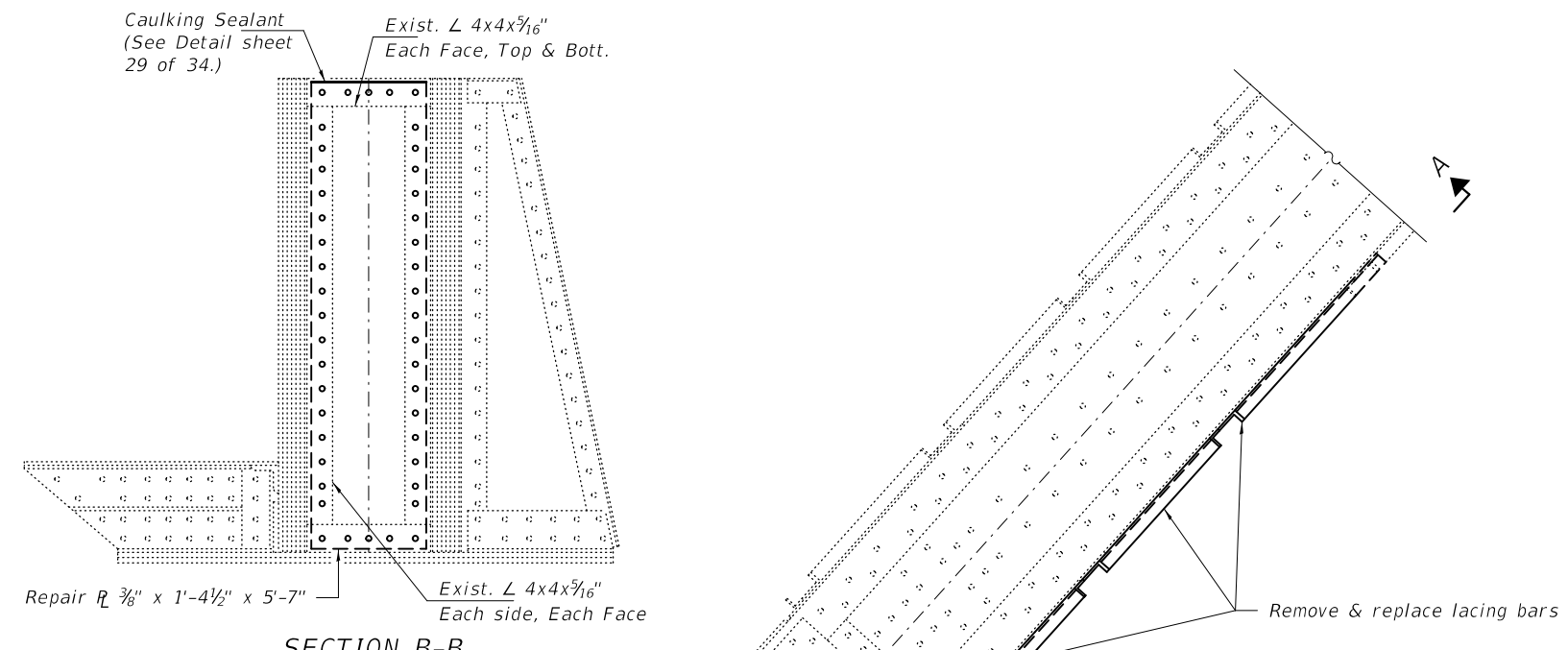
DETAIL A

ITEM 214
L15N - L16N
(Sp 9)

BOLT HOLE LEGEND
● - Holes to be shop drilled.
○ - Holes to be field drilled using existing holes as template.

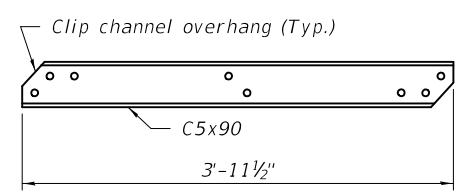
ITEM 555
L4S - M55
(Sp 9)

DESIGNED - JSB	EXAMINED - <i>Timothy A. Daburdell</i> ENGINEER OF STRUCTURAL SERVICES	DATE - OCTOBER 5, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRUSS MEMBER REPAIR DETAILS - SPAN 9 SN 001-0019	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - VHV	PASSED - <i>Carl R. Steffen</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			63	(1ZB),BP,BRR,BJR-1,BDR,L	ADAMS	78	38
DRAWN - <i>daburdell Steffen</i>	REVISED -	CONTRACT NO. 72L58			ILLINOIS FED. AID PROJECT				
CHECKED - JSB VHV					SHEET NO. 30 OF 34 SHEETS				

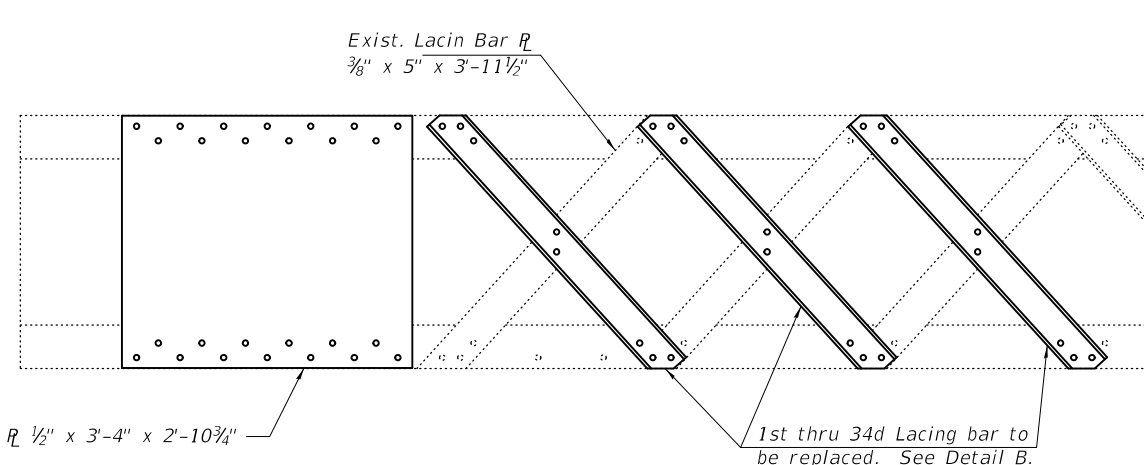


PARTIAL ELEVATION
(Looking North)

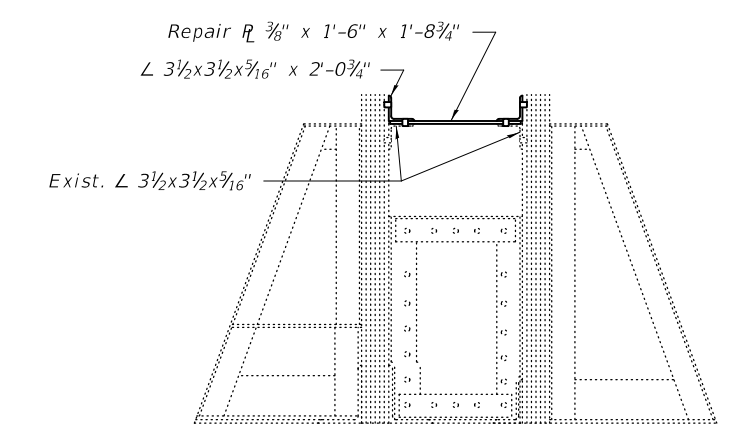
ITEM 615
L20S - M19'S
(Sp 10)



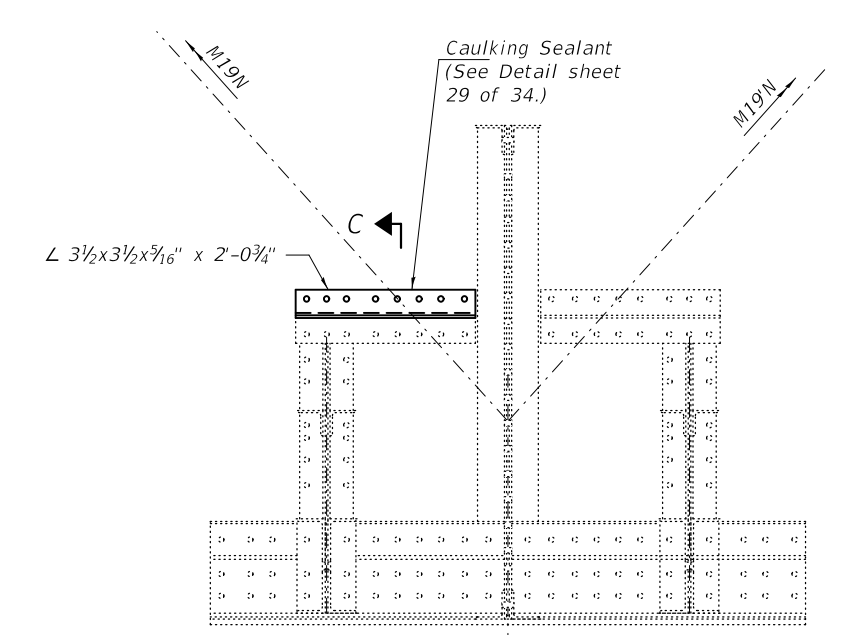
DETAIL B



VIEW A-A



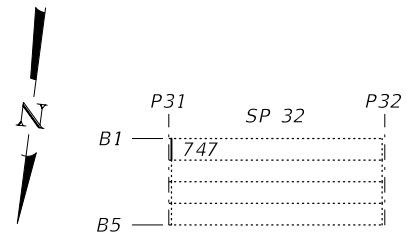
SECTION C-C



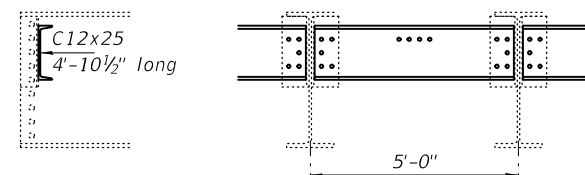
ITEM 607
L20N
(Sp 9)

- BOLT HOLE LEGEND**
- - Holes to be shop drilled.
 - - Holes to be field drilled using existing holes as template.

DESIGNED - JSB	EXAMINED - <i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	DATE - OCTOBER 5, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRUSS MEMBER REPAIR DETAILS - SPANS 9 & 10 SN 001-0019	F.A.P. RTE. 63	SECTION (12B),BP,BRR,BJR-1,BDR,L	COUNTY ADAMS	TOTAL SHEETS 78	SHEET NO. 39
CHECKED - VHV	PASSED - <i>Carl R. Steffen</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			SHEET NO. 31 OF 34 SHEETS		CONTRACT NO. 72L58		ILLINOIS FED. AID PROJECT
DRAWN - daburdell Steffen		REVISED -							
CHECKED - JSB VHV		REVISED -							



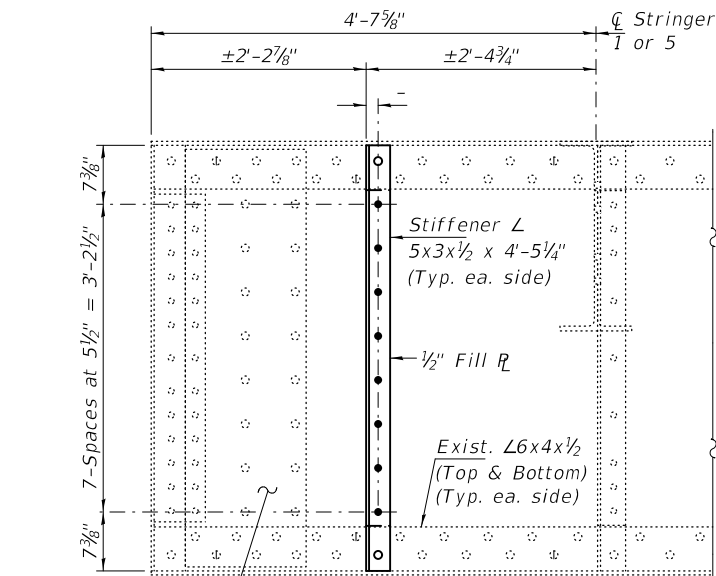
**DIAPHRAGM REPLACEMENT
PARTIAL PLAN**



SECTION ELEVATION

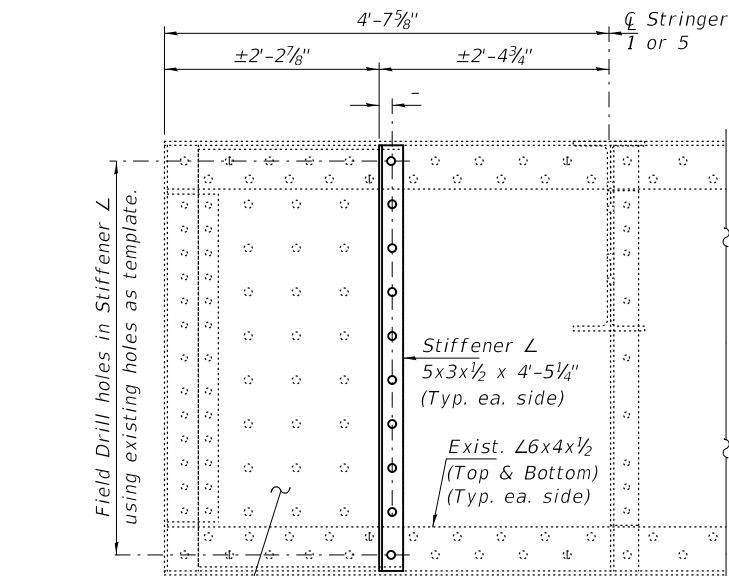
All holes to be field drilled.

**DIAPHRAGM REPLACEMENT
(Secondary Member)
(1 Required)**



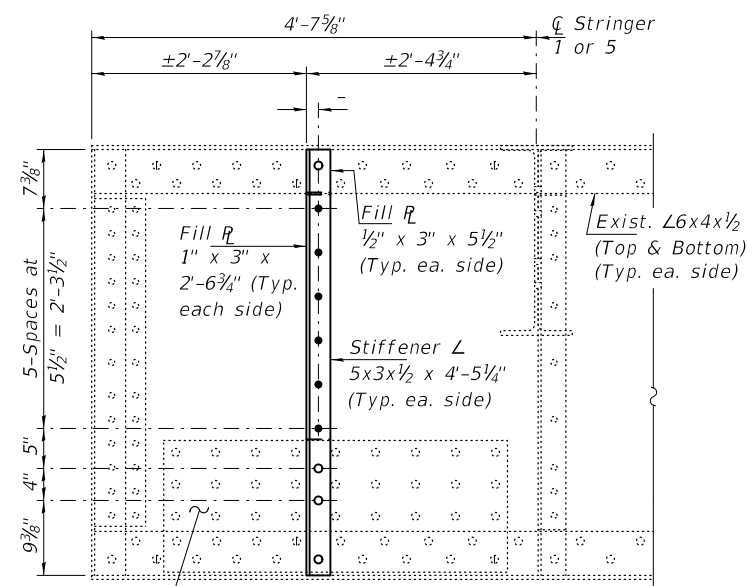
Existing Repair \bar{R}
 $\frac{1}{2}$ " x $1'-3\frac{1}{8}$ " x $4'-4\frac{1}{4}$ "
at some locations.
(Typ. each side)

**FLOOR BEAM STIFFENER
TYPE "A"
(50-Locations)
(See Table for Locations)**



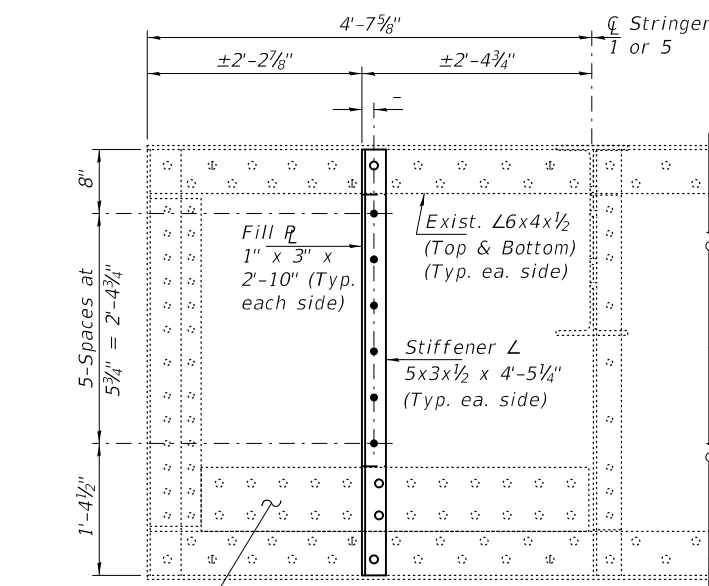
Existing Repair \bar{R}
 $\frac{1}{2}$ " x $2'-1\frac{3}{8}$ " x $4'-4\frac{1}{4}$ "
with $\frac{1}{2}$ " Fill \bar{R}
(Typ. each side)

**FLOOR BEAM STIFFENER
TYPE "B"
(5-Locations)
(See Table for Locations)**



Existing Repair \bar{R}
 $\frac{1}{2}$ " x $1'-4\frac{1}{2}$ " x $3'-7"$
with $\frac{1}{2}$ " Fill \bar{R}
(Typ. each side)

**FLOOR BEAM STIFFENER
TYPE "C"
(2-Locations)
(See Table for Locations)**



Existing Repair \bar{R}
 $\frac{3}{8}$ " x $8"$ x $4'-0\frac{1}{2}$ "
(Typ. each side)

**FLOOR BEAM STIFFENER
TYPE "D"
(5-Locations)
(See Table for Locations)**

STIFFENER REPAIR LOCATION TABLES

(See Note A)

TRUSS SPAN 9

LOCATION	FLOOR BEAM																				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
South End	-	A	A	A	B	A	767	569	A	C	A	B	A	A	35	A	217	A	37	A	A
North End	-	A	A	A	A	A	D	569	28	A	D	A	A	A	35	A	217	A	37	A	A

TRUSS SPAN 10

LOCATION	FLOOR BEAM																				
	20	19'	18'	17'	16'	15'	14'	13'	12'	11'	10'	9'	8'	7'	6'	5'	4'	3'	2'	1'	0'
South End	A	A	D	A	A	A	47	A	A	A	50	51	A	A	A	B	A	B	55	A	-
North End	A	A	C	A	A	A	47	A	A	A	50	51	A	A	D	A	A	B	D	647	-

Note A:

Letters "A" thru "D" indicate Stiffener Repair Type as detailed on this sheet.
Numbers indicate Stiffener Repair Details shown on the corresponding NBIS Item Number Repair Detail. See sheets 14 thru 17 of 34.

DESIGNED - JSB
CHECKED - VHV
DRAWN - daburdell Steffen
CHECKED - JSB VHV

EXAMINED
PASSED
ENGINEER OF STRUCTURAL SERVICES
ENGINEER OF BRIDGES AND STRUCTURES

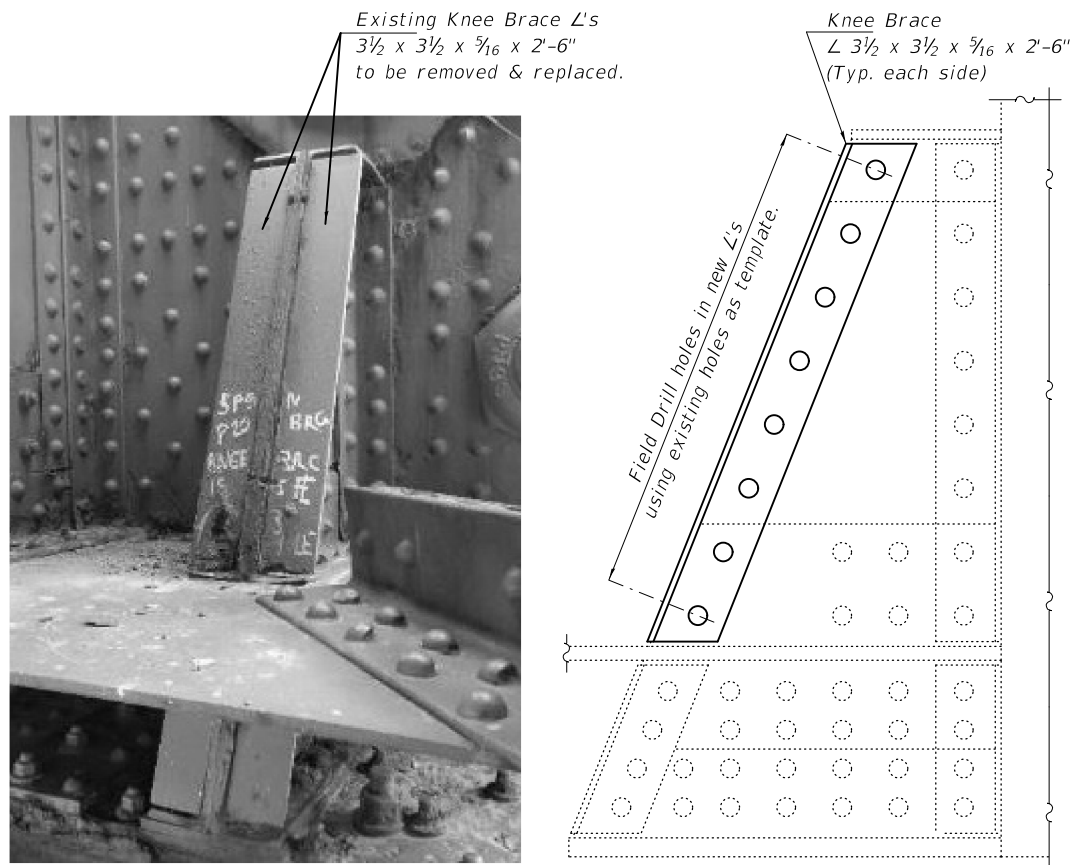
DATE - OCTOBER 5, 2020
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

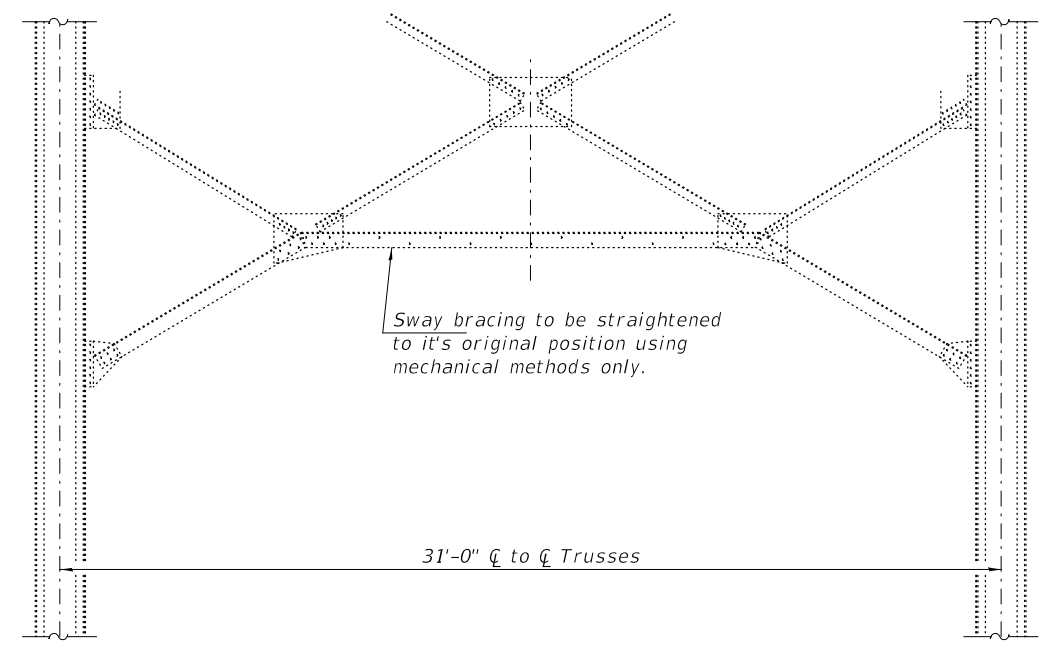
REPAIR DETAILS
SN 001-0019

SHEET NO. 32 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B),BP,BRR,BJR-1,BDR,L	ADAMS	78	40
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



ITEM 226
KNEE BRACE REPAIR
 at Pier 9, North Truss, Inside Knee Brace
 (Cost included with Structural Steel Repairs.)
 (2019 NBIS Photo #240)



ITEM 26
SWAY BRACING REPAIR
 Span 9, Panel Point 7
 (See Special Provision "Straighten Bent Member."
 Work shall be paid for as Straighten Bent Member.)

DESIGNED - JSB	EXAMINED	DATE - OCTOBER 5, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REPAIR DETAILS SN 001-0019	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED - VHV	<i>Timothy A. Daburdell</i> ENGINEER OF STRUCTURAL SERVICES	REVISED -			63	(1ZB),BP,BRR,BJR-1,BDR,L	ADAMS	78	41	
DRAWN - daburdell Steffen	PASSED <i>Carl R. Steffen</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			CONTRACT NO. 72L58					
CHECKED - JSB VHV					ILLINOIS FED. AID PROJECT					
					SHEET NO. 33 OF 34 SHEETS					



ITEM 512
LADDER REMOVAL
 Ladder at S. end of Pier 32
 (2019 NBIS Photo #532)

Cost of repairs on this sheet are included in the cost of Structural Steel Repairs.

DESIGNED - JSB	EXAMINED	DATE - OCTOBER 5, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REPAIR DETAILS SN 001-0019	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED - VHV	<i>Timothy A. Daburdell</i> ENGINEER OF STRUCTURAL SERVICES				63	(1ZB),BP,BRR,BJR-1,BDR,L	ADAMS	78	42	
DRAWN - <i>daburdell</i> <i>Steffen</i>	PASSED	REVISED -			CONTRACT NO. 72L58					
CHECKED - JSB VHV	<i>Carl Meyer</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			SHEET NO. 34 OF 34 SHEETS					
					ILLINOIS FED. AID PROJECT					

MATCH LINE STA. 226+50

MATCH LINE STA. 232+25

MATCH LINE STA. 232+25

MATCH LINE STA. 238+00

NOTE:
PAVEMENT MARKING TAPE QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY. THE COST OF THE PAVEMENT MARKING TAPE IS INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SP) AS SPECIFIED IN THE SPECIAL PROVISIONS.

PAVEMENT MARKING LEGEND

- (AA) TEMPORARY PAVEMENT MARKING - LINE 5" YELLOW
- (BB) TEMPORARY PAVEMENT MARKING - LINE 5" WHITE
- (CC) TEMPORARY PAVEMENT MARKING - LINE 5" DOUBLE YELLOW

LEGEND

- 48 INCH CONES (BDE) 50' CENTERS FOR THE FIRST 250' AND 100' CENTERS THEREAFTER
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



W20-1(O)-48

W20-2(O)-48

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DATE: 8/24/2020

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	DATE -	REVISED -

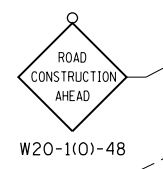
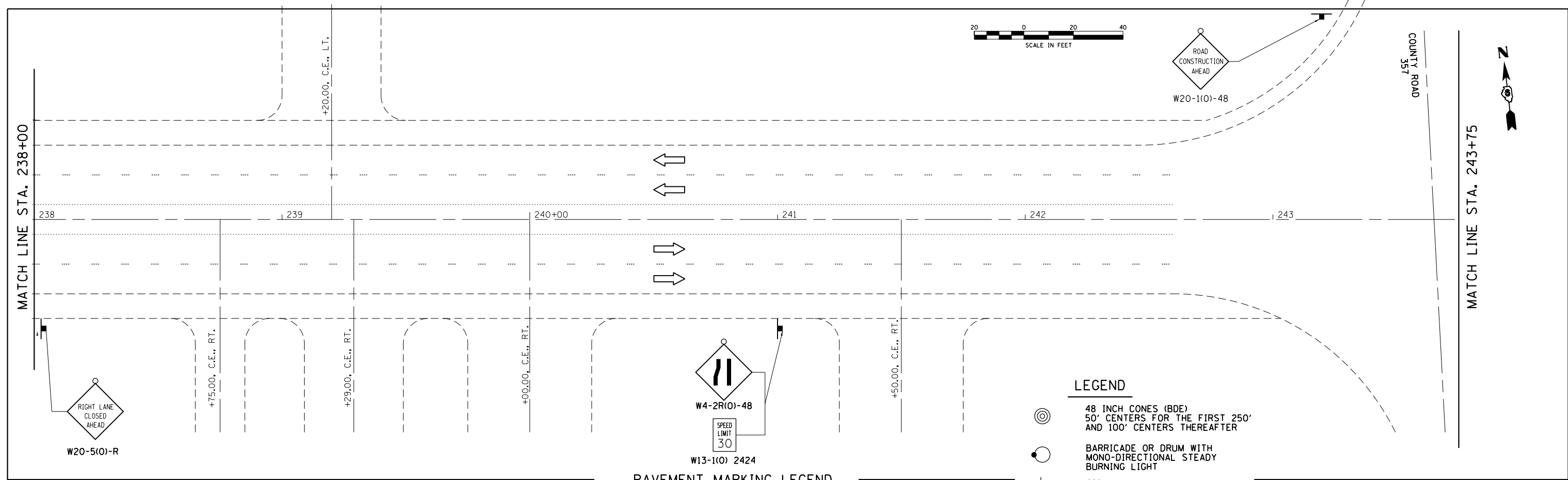
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION (SPECIAL)
FAP 63 (US 24)**

SCALE: 1"=40' SHEET 1 OF 13 SHEETS STA. 226+50 TO STA. 238+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	43
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

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COUNTY ROAD
357

MATCH LINE STA. 243+75



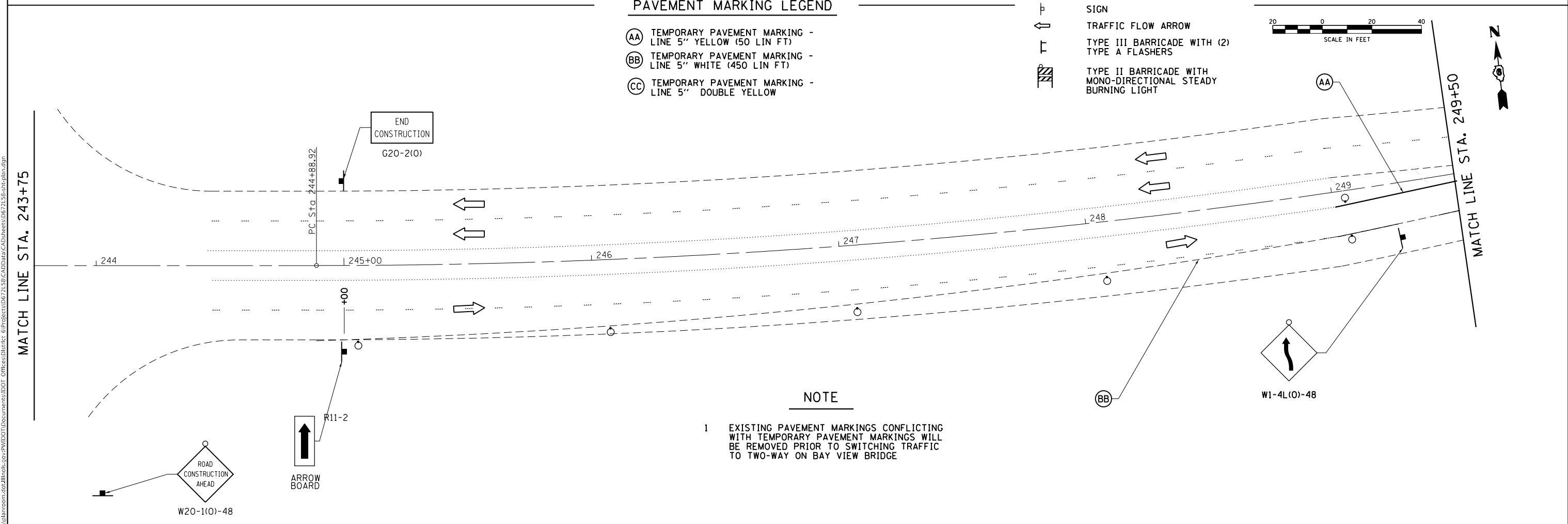
LEGEND

- ⊙ 48 INCH CONES (BDE)
50' CENTERS FOR THE FIRST 250'
AND 100' CENTERS THEREAFTER
- BARRICADE OR DRUM WITH
MONO-DIRECTIONAL STEADY
BURNING LIGHT
- ⊥ SIGN
- ↑ TRAFFIC FLOW ARROW
- ⊥ TYPE III BARRICADE WITH (2)
TYPE A FLASHERS
- ⊥ TYPE II BARRICADE WITH
MONO-DIRECTIONAL STEADY
BURNING LIGHT



PAVEMENT MARKING LEGEND

- ⓐ TEMPORARY PAVEMENT MARKING -
LINE 5" YELLOW (50 LIN FT)
- ⓑ TEMPORARY PAVEMENT MARKING -
LINE 5" WHITE (450 LIN FT)
- ⓒ TEMPORARY PAVEMENT MARKING -
LINE 5" DOUBLE YELLOW



NOTE

1 EXISTING PAVEMENT MARKINGS CONFLICTING WITH TEMPORARY PAVEMENT MARKINGS WILL BE REMOVED PRIOR TO SWITCHING TRAFFIC TO TWO-WAY ON BAY VIEW BRIDGE

USER NAME = siefertca	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 9/2/2020	CHECKED -	REVISED -
	DATE -	REVISED -

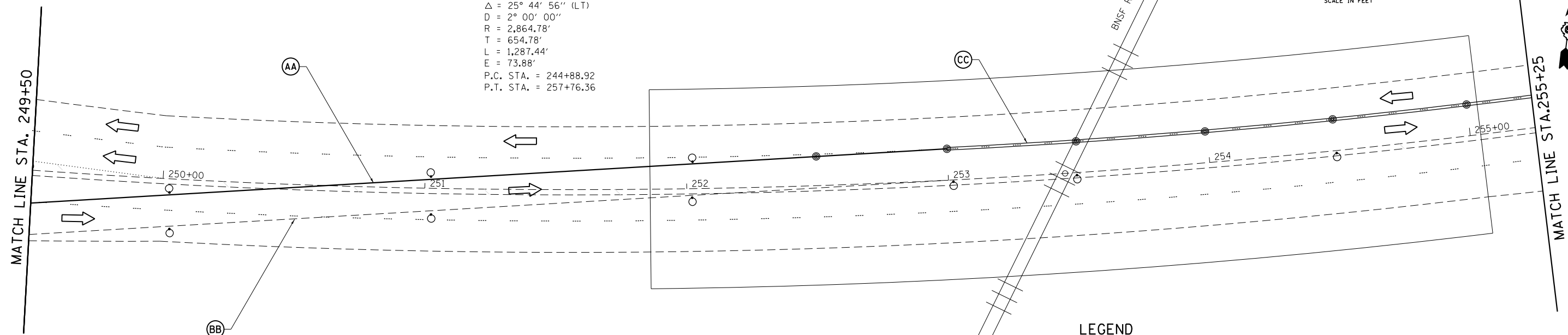
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION (SPECIAL)
 FAP 63 (US 24)**

SCALE: 1"=40' SHEET 2 OF 13 SHEETS STA. 238+00 TO STA. 249+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	44
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

EXIST. CURVE 2
 PI STA. = 251+43.70
 $\Delta = 25^\circ 44' 56''$ (LT)
 D = 2° 00' 00"
 R = 2,864.78'
 T = 654.78'
 L = 1,287.44'
 E = 73.88'
 P.C. STA. = 244+88.92
 P.T. STA. = 257+76.36



PAVEMENT MARKING LEGEND

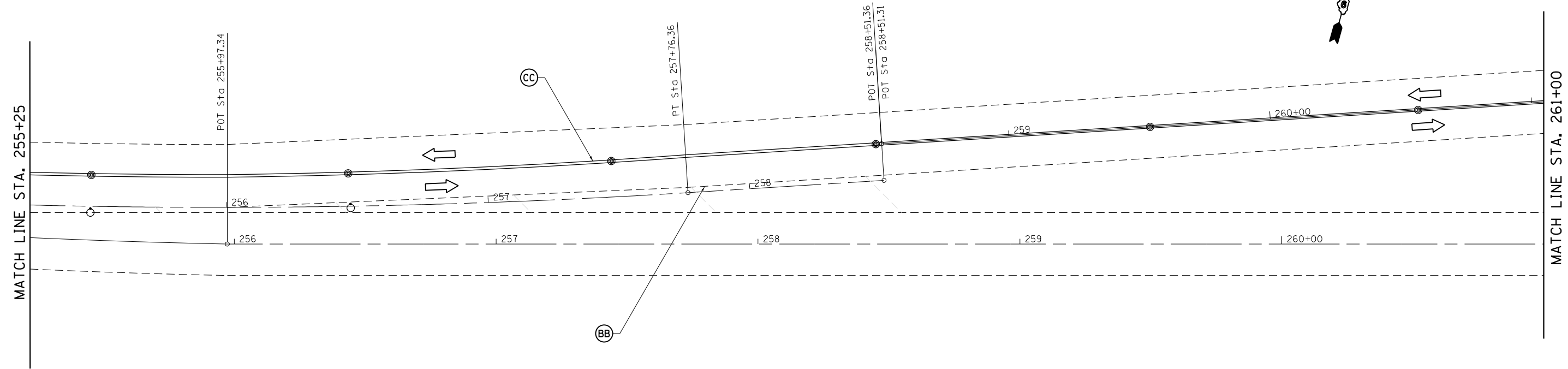
- (AA) TEMPORARY PAVEMENT MARKING - LINE 5" YELLOW (350 LIN FT)
- (BB) TEMPORARY PAVEMENT MARKING - LINE 5" WHITE (1,150 LIN FT)
- (CC) TEMPORARY PAVEMENT MARKING - LINE 5" DOUBLE YELLOW (2 X 800 LIN FT)

NOTE

1 EXISTING PAVEMENT MARKINGS CONFLICTING WITH TEMPORARY PAVEMENT MARKINGS WILL BE REMOVED PRIOR TO SWITCHING TRAFFIC TO TWO-WAY ON BAY VIEW BRIDGE

LEGEND

- ⊙ 48 INCH CONES (BDE)
50' CENTERS FOR THE FIRST 250'
AND 100' CENTERS THEREAFTER
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- ⊥ SIGN
- ➔ TRAFFIC FLOW ARROW
- ⊥ TYPE III BARRICADE WITH (2) TYPE A FLASHERS
- ▨ TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



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PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 9/2/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION (SPECIAL)
 FAP 63 (US 24)**

SCALE: 1"=40' SHEET 3 OF 13 SHEETS STA. 249+50 TO STA. 261+00

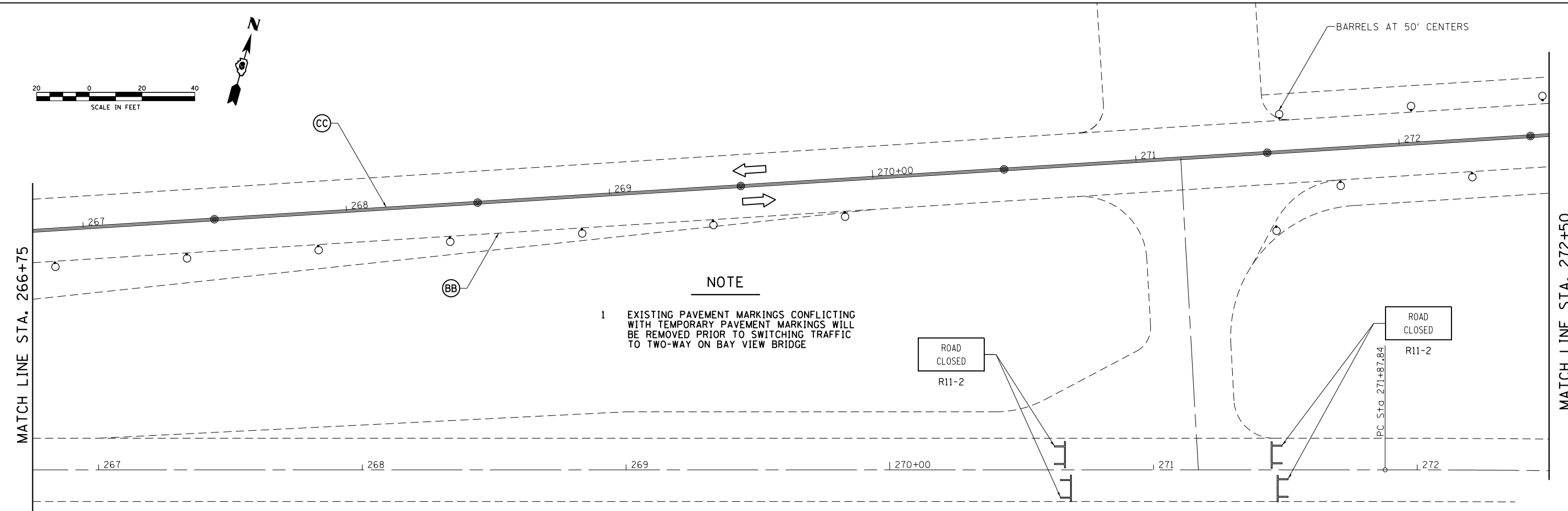
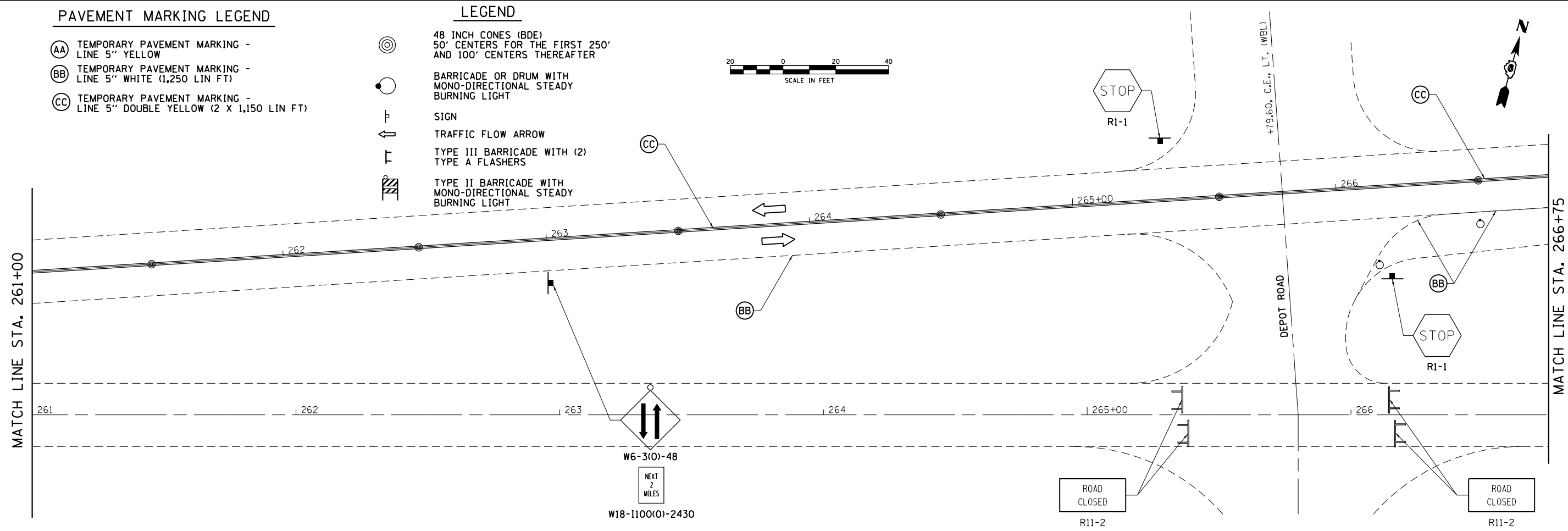
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	45
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING LEGEND

- (AA) TEMPORARY PAVEMENT MARKING - LINE 5" YELLOW
- (BB) TEMPORARY PAVEMENT MARKING - LINE 5" WHITE (1,250 LIN FT)
- (CC) TEMPORARY PAVEMENT MARKING - LINE 5" DOUBLE YELLOW (2 X 1,150 LIN FT)

LEGEND

- ⊙ 48 INCH CONES (BDE) 50' CENTERS FOR THE FIRST 250' AND 100' CENTERS THEREAFTER
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- ⊥ SIGN
- ↑ TRAFFIC FLOW ARROW
- ⊥ TYPE III BARRICADE WITH (2) TYPE A FLASHERS
- ▨ TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



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PLOT DATE = 9/2/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION (SPECIAL)
FAP 63 (US 24)**

SCALE: 1"=40' SHEET 4 OF 13 SHEETS STA. 261+00 TO STA. 272+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	46
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



EXIST. CURVE 10
 PI STA. = 40+97.32
 $\Delta = 6^\circ 00' 00''$ (LT)
 $D = 1^\circ 30' 00''$
 $R = 3,819.74'$
 $T = 200.18'$
 $L = 400.00'$
 $E = 5.24'$
 P.C. STA. = 38+97.14
 P.T. STA. = 42+97.14

STA. 43+67 TO STA 44+17
 GUARDRAIL REMOVAL - 50'

STA. 43+67 TO STA 44+17
 TRAFFIC BARRIER TERMINAL
 TY 1 (SPECIAL) TAN - 1 EACH
 TERMINAL MARKER
 DIRECT APPLIED - 1 EACH

STA. 40+00 TO STA 47+44
 HMA SURFACE REMOVAL, 2" - 780 SQ YD
 HOT-MIX ASPHALT SHOULDERS, 2" - 780 SQ YD

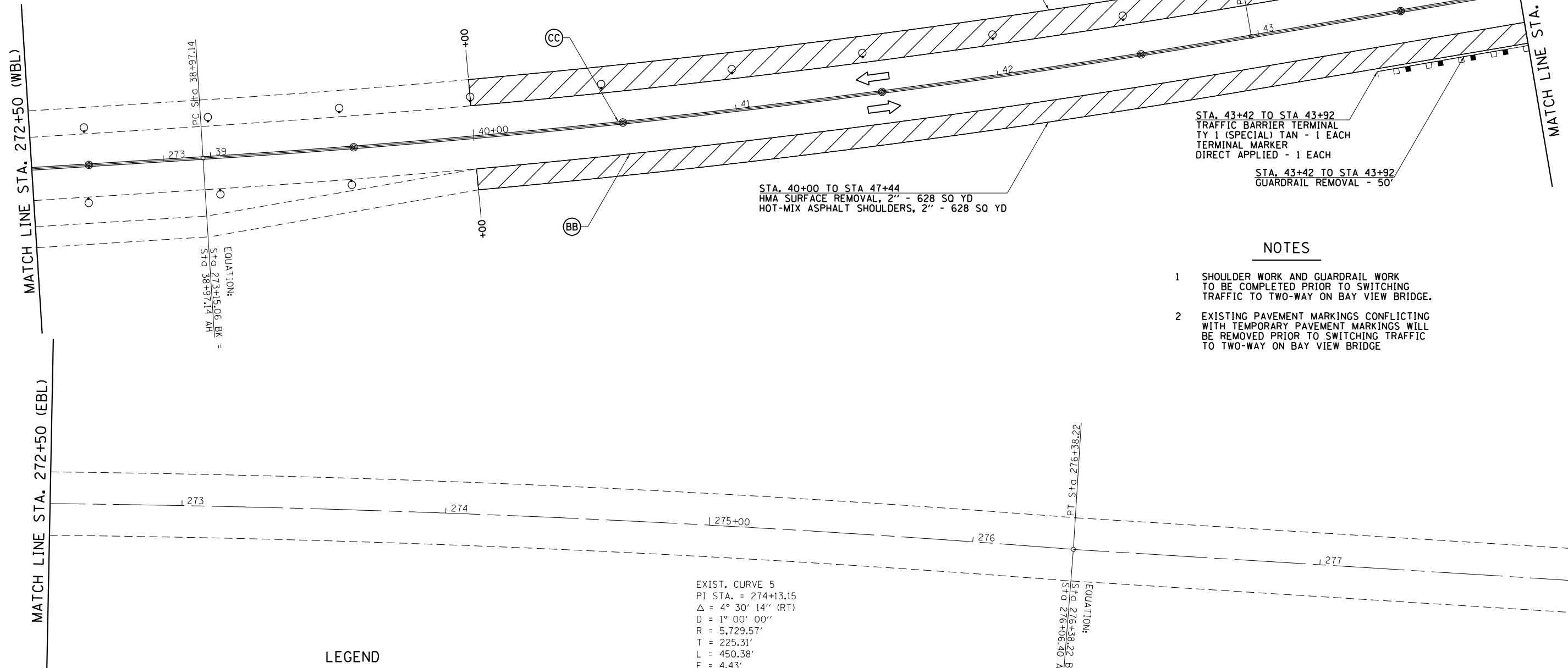
STA. 43+42 TO STA 43+92
 TRAFFIC BARRIER TERMINAL
 TY 1 (SPECIAL) TAN - 1 EACH
 TERMINAL MARKER
 DIRECT APPLIED - 1 EACH

STA. 43+42 TO STA 43+92
 GUARDRAIL REMOVAL - 50'

STA. 40+00 TO STA 47+44
 HMA SURFACE REMOVAL, 2" - 628 SQ YD
 HOT-MIX ASPHALT SHOULDERS, 2" - 628 SQ YD

NOTES

- 1 SHOULDER WORK AND GUARDRAIL WORK TO BE COMPLETED PRIOR TO SWITCHING TRAFFIC TO TWO-WAY ON BAY VIEW BRIDGE.
- 2 EXISTING PAVEMENT MARKINGS CONFLICTING WITH TEMPORARY PAVEMENT MARKINGS WILL BE REMOVED PRIOR TO SWITCHING TRAFFIC TO TWO-WAY ON BAY VIEW BRIDGE



LEGEND

- 48 INCH CONES (BDE)
50' CENTERS FOR THE FIRST 250'
AND 100' CENTERS THEREAFTER
- BARRICADE OR DRUM WITH
MONO-DIRECTIONAL STEADY
BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2)
TYPE A FLASHERS
- TYPE II BARRICADE WITH
MONO-DIRECTIONAL STEADY
BURNING LIGHT

PAVEMENT MARKING LEGEND

- (AA) TEMPORARY PAVEMENT MARKING -
LINE 5" YELLOW
- (BB) TEMPORARY PAVEMENT MARKING -
LINE 5" WHITE (570 LIN FT)
- (CC) TEMPORARY PAVEMENT MARKING -
LINE 5" DOUBLE YELLOW (2 X 570 LIN FT)

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 DATE: 9/2/2020

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PLOT DATE = 9/2/2020	CHECKED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION (SPECIAL)
 FAP 63 (US 24)**

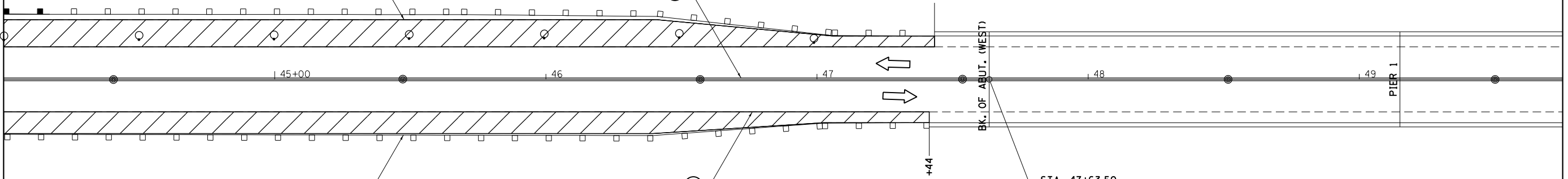
SCALE: 1"=40' SHEET 5 OF 13 SHEETS STA. 272+50 TO STA. 44+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	47
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 44+00 (WBL)

STA. 40+00 TO STA 47+44
HMA SURFACE REMOVAL, 2" - 780 SQ YD
HOT-MIX ASPHALT SHOULDERS, 2" - 780 SQ YD



MATCH LINE STA. 49+75 (WBL)

STA. 40+00 TO STA 47+44
HMA SURFACE REMOVAL, 2" - 628 SQ YD
HOT-MIX ASPHALT SHOULDERS, 2" - 628 SQ YD

NOTES

- 1 SHOULDER WORK AND GUARDRAIL WORK TO BE COMPLETED PRIOR TO SWITCHING TRAFFIC TO TWO-WAY ON BAY VIEW BRIDGE.
- 2 EXISTING PAVEMENT MARKINGS CONFLICTING WITH TEMPORARY PAVEMENT MARKINGS WILL BE REMOVED PRIOR TO SWITCHING TRAFFIC TO TWO-WAY ON BAY VIEW BRIDGE

PAVEMENT MARKING LEGEND

- (AA) TEMPORARY PAVEMENT MARKING - LINE 5" YELLOW
- (BB) TEMPORARY PAVEMENT MARKING - LINE 5" WHITE (575 LIN FT)
- (CC) TEMPORARY PAVEMENT MARKING - LINE 5" DOUBLE YELLOW (2 X 575 LIN FT)

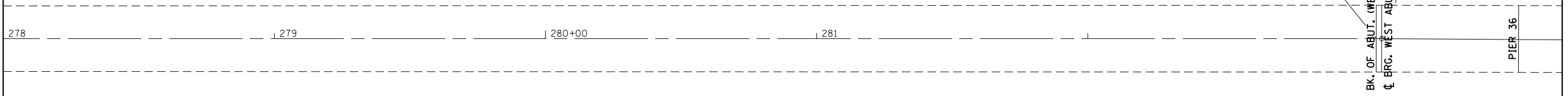
WESTBOUND LANES

LEGEND

- 48 INCH CONES (BDE) 50' CENTERS FOR THE FIRST 250' AND 100' CENTERS THEREAFTER
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



MATCH LINE STA. 278+00 (EBL)



MATCH LINE (EBL)

EASTBOUND LANES

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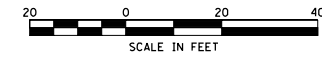
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PLOT DATE = 9/2/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION (SPECIAL)
FAP 63 (US 24)**

SCALE: 1"=40' SHEET 6 OF 13 SHEETS STA. 44+00 TO STA. 49+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1Z)BP,BRR,BJR-1,BDR,L	ADAMS	78	48
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 49+75 (WBL)

MATCH LINE STA. 55+50 (WBL)

POINT Sta. 49+97.14

150+00

PIER 2

151

CC

152

PIER 3

153

154

PIER 4

155+00

BB

NOTE

- 1 EXISTING PAVEMENT MARKINGS CONFLICTING WITH TEMPORARY PAVEMENT MARKINGS WILL BE REMOVED PRIOR TO SWITCHING TRAFFIC TO TWO-WAY ON BAY VIEW BRIDGE

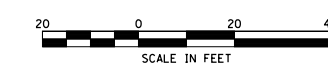
PAVEMENT MARKING LEGEND

- (AA) TEMPORARY PAVEMENT MARKING - LINE 5" YELLOW
- (BB) TEMPORARY PAVEMENT MARKING - LINE 5" WHITE (575 LIN FT)
- (CC) TEMPORARY PAVEMENT MARKING - LINE 5" DOUBLE YELLOW (2 X 575 LIN FT)

WESTBOUND LANES

LEGEND

- 48 INCH CONES (BDE) 50' CENTERS FOR THE FIRST 250' AND 100' CENTERS THEREAFTER
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



MATCH LINE (EBL)

MATCH LINE (EBL)

PIER 35

PIER 34

PIER 33

PIER 32

PIER 31

PIER 30

PIER 29

PIER 28

PIER 27

PIER 26

PIER 25

EASTBOUND LANES

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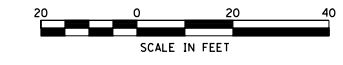
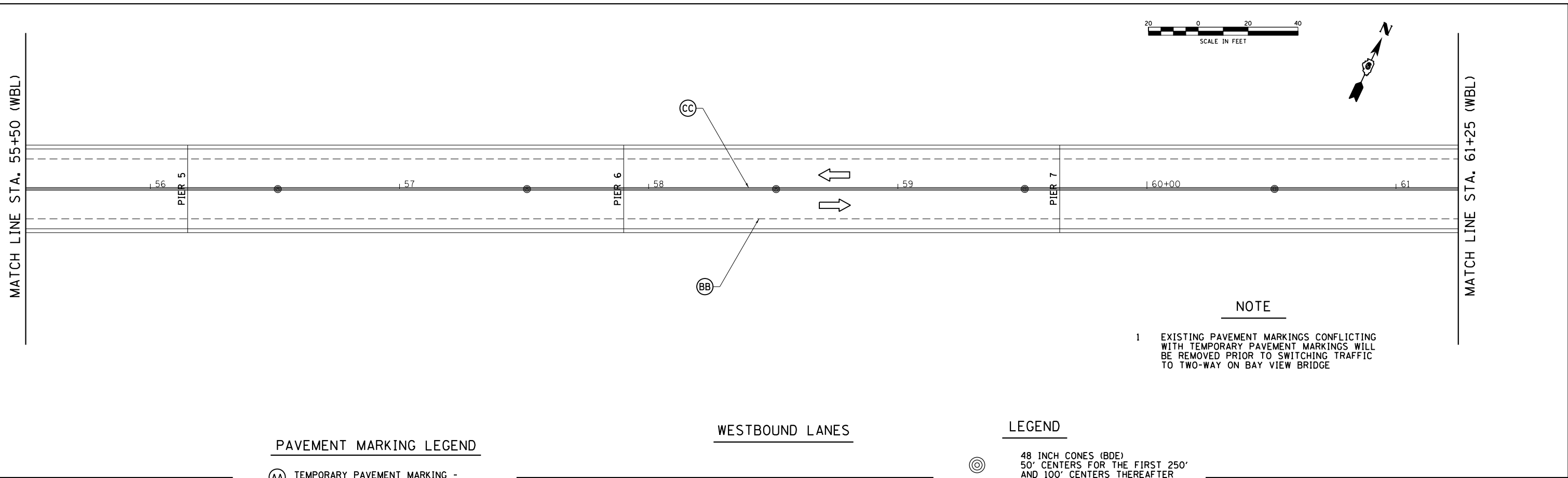
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION (SPECIAL)
FAP 63 (US 24)**

SCALE: 1"=40' SHEET 7 OF 13 SHEETS STA. 49+75 TO STA. 55+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	49
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

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 OFFICE: DISTRICT 6
 SHEET: 63



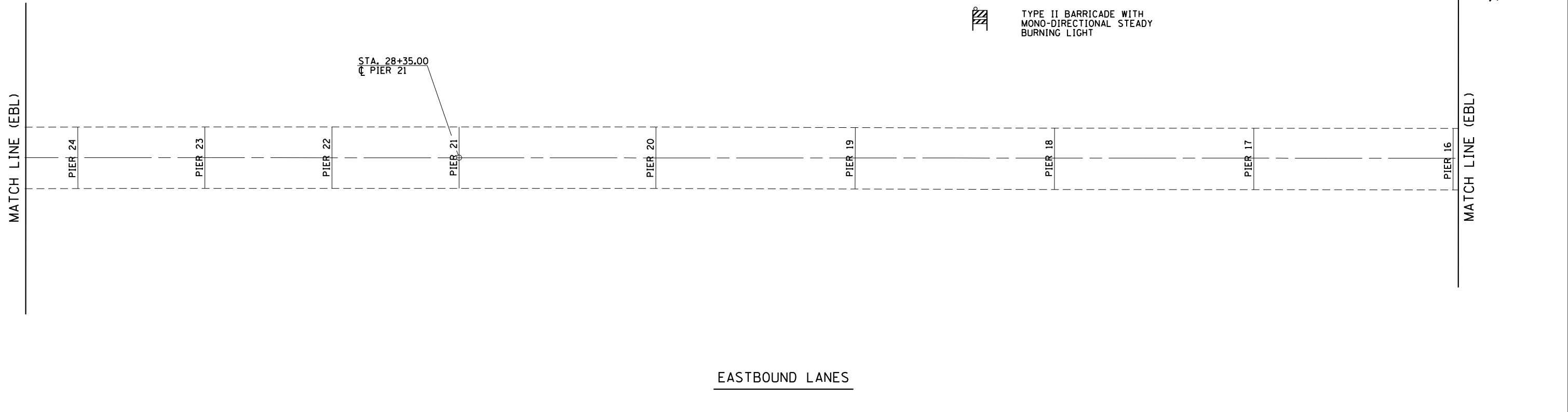
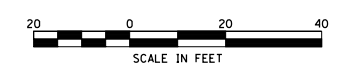
NOTE

- 1 EXISTING PAVEMENT MARKINGS CONFLICTING WITH TEMPORARY PAVEMENT MARKINGS WILL BE REMOVED PRIOR TO SWITCHING TRAFFIC TO TWO-WAY ON BAY VIEW BRIDGE

- PAVEMENT MARKING LEGEND**
- (AA) TEMPORARY PAVEMENT MARKING - LINE 5" YELLOW
 - (BB) TEMPORARY PAVEMENT MARKING - LINE 5" WHITE (575 LIN FT)
 - (CC) TEMPORARY PAVEMENT MARKING - LINE 5" DOUBLE YELLOW (2 X 575 LIN FT)

LEGEND

- 48 INCH CONES (BDE) 50' CENTERS FOR THE FIRST 250' AND 100' CENTERS THEREAFTER
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



USER NAME = siefertca	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

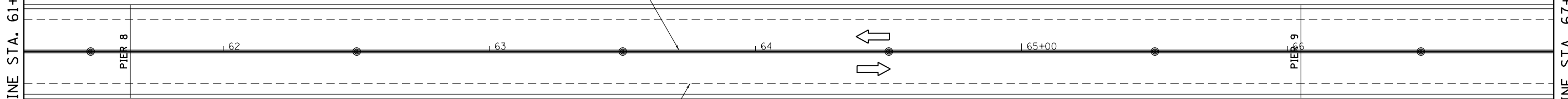
**TRAFFIC CONTROL & PROTECTION (SPECIAL)
 FAP 63 (US 24)**

SCALE: 1"=40' SHEET 8 OF 13 SHEETS STA. 55+50 TO STA. 61+25

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	50
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 61+25 (WBL)

MATCH LINE STA. 67+00 (WBL)



NOTE

1 EXISTING PAVEMENT MARKINGS CONFLICTING WITH TEMPORARY PAVEMENT MARKINGS WILL BE REMOVED PRIOR TO SWITCHING TRAFFIC TO TWO-WAY ON BAY VIEW BRIDGE

PAVEMENT MARKING LEGEND

- (AA) TEMPORARY PAVEMENT MARKING - LINE 5" YELLOW
- (BB) TEMPORARY PAVEMENT MARKING - LINE 5" WHITE (575 LIN FT)
- (CC) TEMPORARY PAVEMENT MARKING - LINE 5" DOUBLE YELLOW (2 X 575 LIN FT)

WESTBOUND LANES

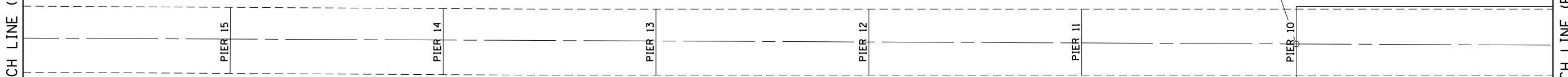
LEGEND

- 48 INCH CONES (BDE) 50' CENTERS FOR THE FIRST 250' AND 100' CENTERS THEREAFTER
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



MATCH LINE (EBL)

MATCH LINE (EBL)



EASTBOUND LANES

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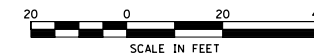
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PLOT DATE = 8/24/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION (SPECIAL)
FAP 63 (US 24)**

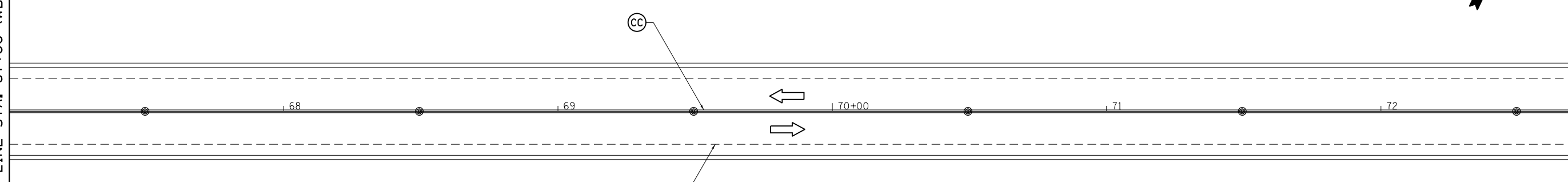
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	51
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 67+00 (WBL)

MATCH LINE STA. 72+75 (WBL)



NOTE

- 1 EXISTING PAVEMENT MARKINGS CONFLICTING WITH TEMPORARY PAVEMENT MARKINGS WILL BE REMOVED PRIOR TO SWITCHING TRAFFIC TO TWO-WAY ON BAY VIEW BRIDGE

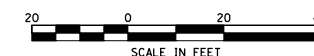
PAVEMENT MARKING LEGEND

- (AA) TEMPORARY PAVEMENT MARKING - LINE 5" YELLOW
- (BB) TEMPORARY PAVEMENT MARKING - LINE 5" WHITE (575 LIN FT)
- (CC) TEMPORARY PAVEMENT MARKING - LINE 5" DOUBLE YELLOW (2 X 575 LIN FT)

WESTBOUND LANES

LEGEND

- (◎) 48 INCH CONES (BDE) 50' CENTERS FOR THE FIRST 250' AND 100' CENTERS THEREAFTER
- (○) BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- (T) SIGN
- (←) TRAFFIC FLOW ARROW
- (T) TYPE III BARRICADE WITH (2) TYPE A FLASHERS
- (▨) TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



MATCH LINE (EBL)

MATCH LINE (EBL)



EASTBOUND LANES

MODEL: Default
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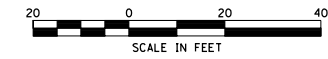
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION (SPECIAL)
FAP 63 (US 24)**

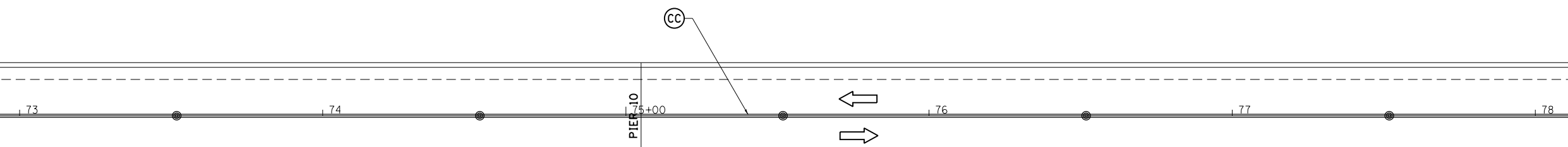
SCALE: 1"=40' SHEET 10 OF 13 SHEETS STA. 67+00 TO STA. 72+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	52
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 72+75 (WBL)

MATCH LINE STA. 78+50 (WBL)



NOTE

1 EXISTING PAVEMENT MARKINGS CONFLICTING WITH TEMPORARY PAVEMENT MARKINGS WILL BE REMOVED PRIOR TO SWITCHING TRAFFIC TO TWO-WAY ON BAY VIEW BRIDGE

PAVEMENT MARKING LEGEND

- (AA) TEMPORARY PAVEMENT MARKING - LINE 5" YELLOW
- (BB) TEMPORARY PAVEMENT MARKING - LINE 5" WHITE (575 LIN FT)
- (CC) TEMPORARY PAVEMENT MARKING - LINE 5" DOUBLE YELLOW (2 X 575 LIN FT)

WESTBOUND LANES

LEGEND

- 48 INCH CONES (BDE)
50' CENTERS FOR THE FIRST 250'
AND 100' CENTERS THEREAFTER
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



MATCH LINE (EBL)

MATCH LINE (EBL)

EASTBOUND LANES

MODEL: Default
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PLOT DATE = 8/24/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION (SPECIAL)
FAP 63 (US 24)**

SCALE: 1"=40' SHEET 11 OF 13 SHEETS STA. 72+75 TO STA. 78+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	53
CONTRACT NO. 72L58				
		ILLINOIS	FED. AID PROJECT	

MATCH LINE STA. 78+50 (WBL)

MATCH LINE STA. 84+25 (WBL)



79 80+00 81 82 83 84

PIER 11

PIER 12

PIER 13

CC

BB



LEGEND

- ⊙ 48 INCH CONES (BDE)
50' CENTERS FOR THE FIRST 250'
AND 100' CENTERS THEREAFTER
- BARRICADE OR DRUM WITH
MONO-DIRECTIONAL STEADY
BURNING LIGHT
- ⊥ SIGN
- ⇌ TRAFFIC FLOW ARROW
- ⊥ TYPE III BARRICADE WITH (2)
TYPE A FLASHERS
- ▨ TYPE II BARRICADE WITH
MONO-DIRECTIONAL STEADY
BURNING LIGHT

NOTE

- 1 EXISTING PAVEMENT MARKINGS CONFLICTING
WITH TEMPORARY PAVEMENT MARKINGS WILL
BE REMOVED PRIOR TO SWITCHING TRAFFIC
TO TWO-WAY ON BAY VIEW BRIDGE

PAVEMENT MARKING LEGEND

- Ⓐ TEMPORARY PAVEMENT MARKING -
LINE 5" YELLOW
- Ⓑ TEMPORARY PAVEMENT MARKING -
LINE 5" WHITE (575 LIN FT)
- Ⓒ TEMPORARY PAVEMENT MARKING -
LINE 5" DOUBLE YELLOW (2 X 575 LIN FT)

WESTBOUND LANES



EASTBOUND LANES

MODEL: Default
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 OFFICE: DISTRICT 6
 SHEET: 78
 DATE: 8/24/2020

MATCH LINE (EBL)

PIER 8

PIER 7

PIER 6

PIER 5

PIER 4

PIER 3

PIER 2

PIER 1

CL BRG. EAST ABUT.
BK. OF ABUT. (EAST)

BURLINGTON JUNCTION RAILWAY

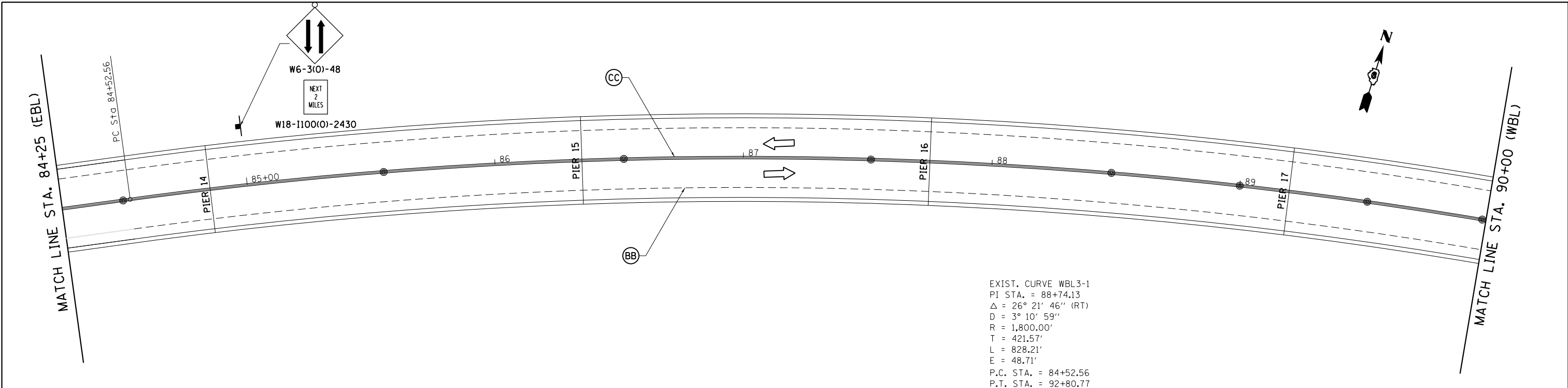
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PLOT DATE = 8/24/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION (SPECIAL)
FAP 63 (US 24)**

SCALE: 1"=40' SHEET 12 OF 13 SHEETS STA. 78+50 TO STA. 84+25

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	54
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



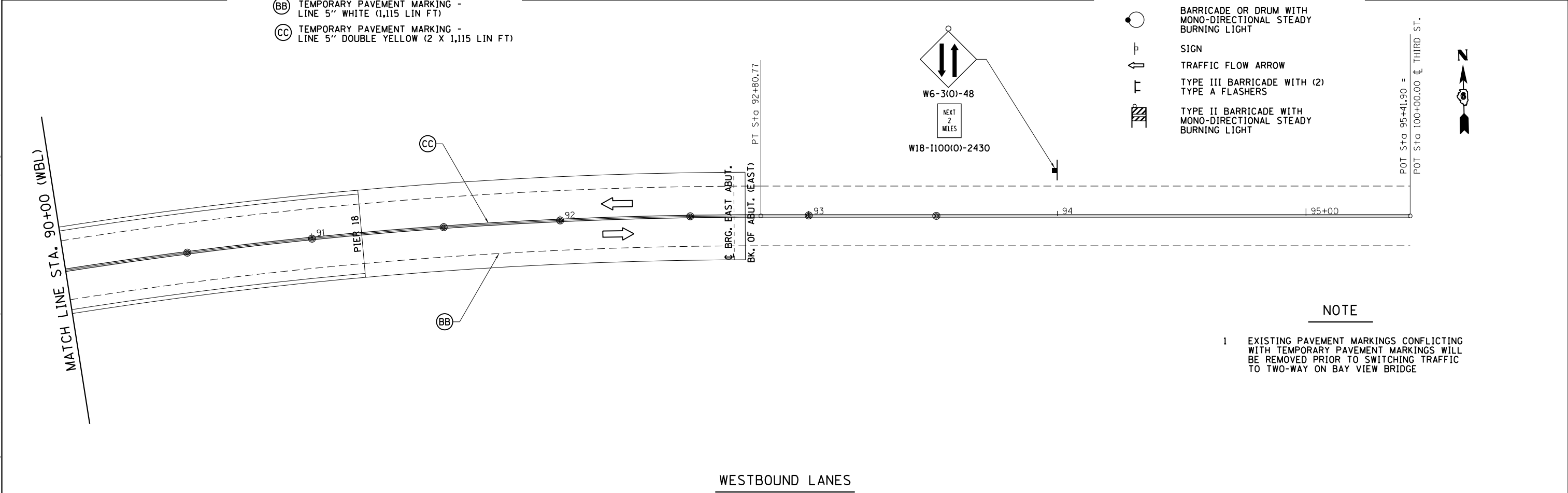
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 R = 1,800.00'
 T = 421.57'
 L = 828.21'
 E = 48.71'
 P.C. STA. = 84+52.56
 P.T. STA. = 92+80.77

- PAVEMENT MARKING LEGEND**
- (AA) TEMPORARY PAVEMENT MARKING - LINE 5" YELLOW
 - (BB) TEMPORARY PAVEMENT MARKING - LINE 5" WHITE (1,115 LIN FT)
 - (CC) TEMPORARY PAVEMENT MARKING - LINE 5" DOUBLE YELLOW (2 X 1,115 LIN FT)

WESTBOUND LANES

LEGEND

- (C) 48 INCH CONES (BDE) 50' CENTERS FOR THE FIRST 250' AND 100' CENTERS THEREAFTER
- (D) BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- (E) SIGN
- (F) TRAFFIC FLOW ARROW
- (G) TYPE III BARRICADE WITH (2) TYPE A FLASHERS
- (H) TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



WESTBOUND LANES

NOTE

1 EXISTING PAVEMENT MARKINGS CONFLICTING WITH TEMPORARY PAVEMENT MARKINGS WILL BE REMOVED PRIOR TO SWITCHING TRAFFIC TO TWO-WAY ON BAY VIEW BRIDGE

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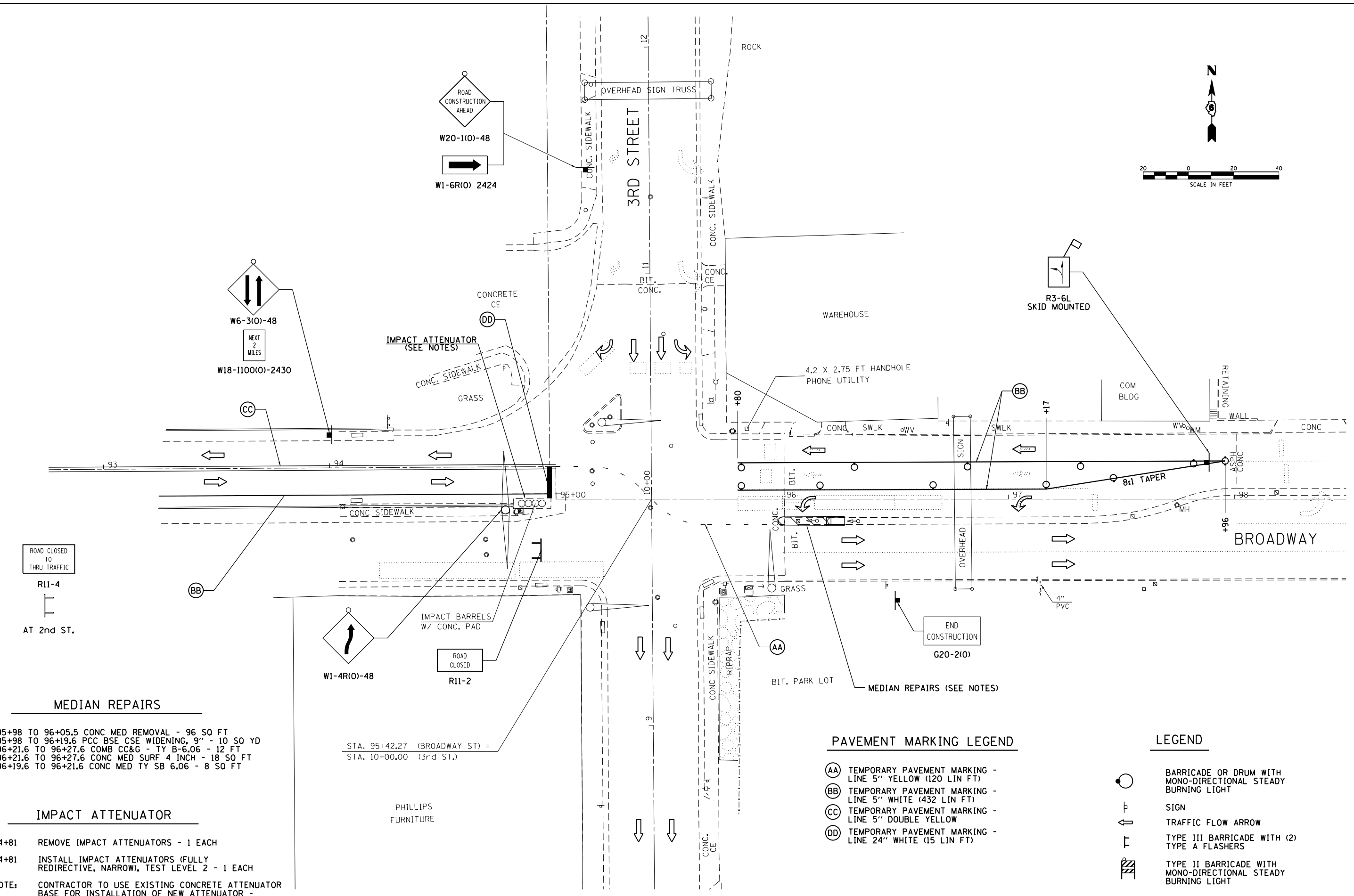
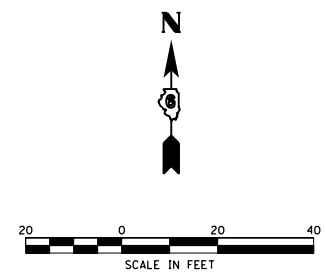
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION (SPECIAL)
 FAP 63 (US 24)**

SCALE: 1"=40' SHEET 13 OF 13 SHEETS STA. 84+25 TO STA. 95+41.90

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	55
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



ROAD CLOSED TO THRU TRAFFIC
R11-4
AT 2nd ST.

MEDIAN REPAIRS

- 95+98 TO 96+05.5 CONC MED REMOVAL - 96 SO FT
- 95+98 TO 96+19.6 PCC BSE CSE WIDENING, 9" - 10 SO YD
- 96+21.6 TO 96+27.6 COMB CC&G - TY B-6.06 - 12 FT
- 96+21.6 TO 96+27.6 CONC MED SURF 4 INCH - 18 SO FT
- 96+19.6 TO 96+21.6 CONC MED TY SB 6.06 - 8 SO FT

IMPACT ATTENUATOR

- 94+81 REMOVE IMPACT ATTENUATORS - 1 EACH
- 94+81 INSTALL IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 - 1 EACH

NOTE: CONTRACTOR TO USE EXISTING CONCRETE ATTENUATOR BASE FOR INSTALLATION OF NEW ATTENUATOR - BASE DIMENSIONS 16'-6" x 4'-5"

STA. 95+42.27 (BROADWAY ST) =
STA. 10+00.00 (3rd ST.)

PAVEMENT MARKING LEGEND

- (AA) TEMPORARY PAVEMENT MARKING - LINE 5" YELLOW (120 LIN FT)
- (BB) TEMPORARY PAVEMENT MARKING - LINE 5" WHITE (432 LIN FT)
- (CC) TEMPORARY PAVEMENT MARKING - LINE 5" DOUBLE YELLOW
- (DD) TEMPORARY PAVEMENT MARKING - LINE 24" WHITE (15 LIN FT)

LEGEND

- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

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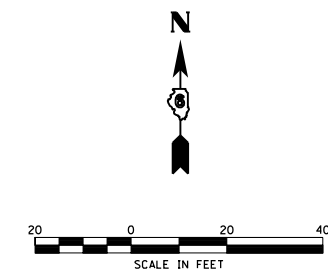
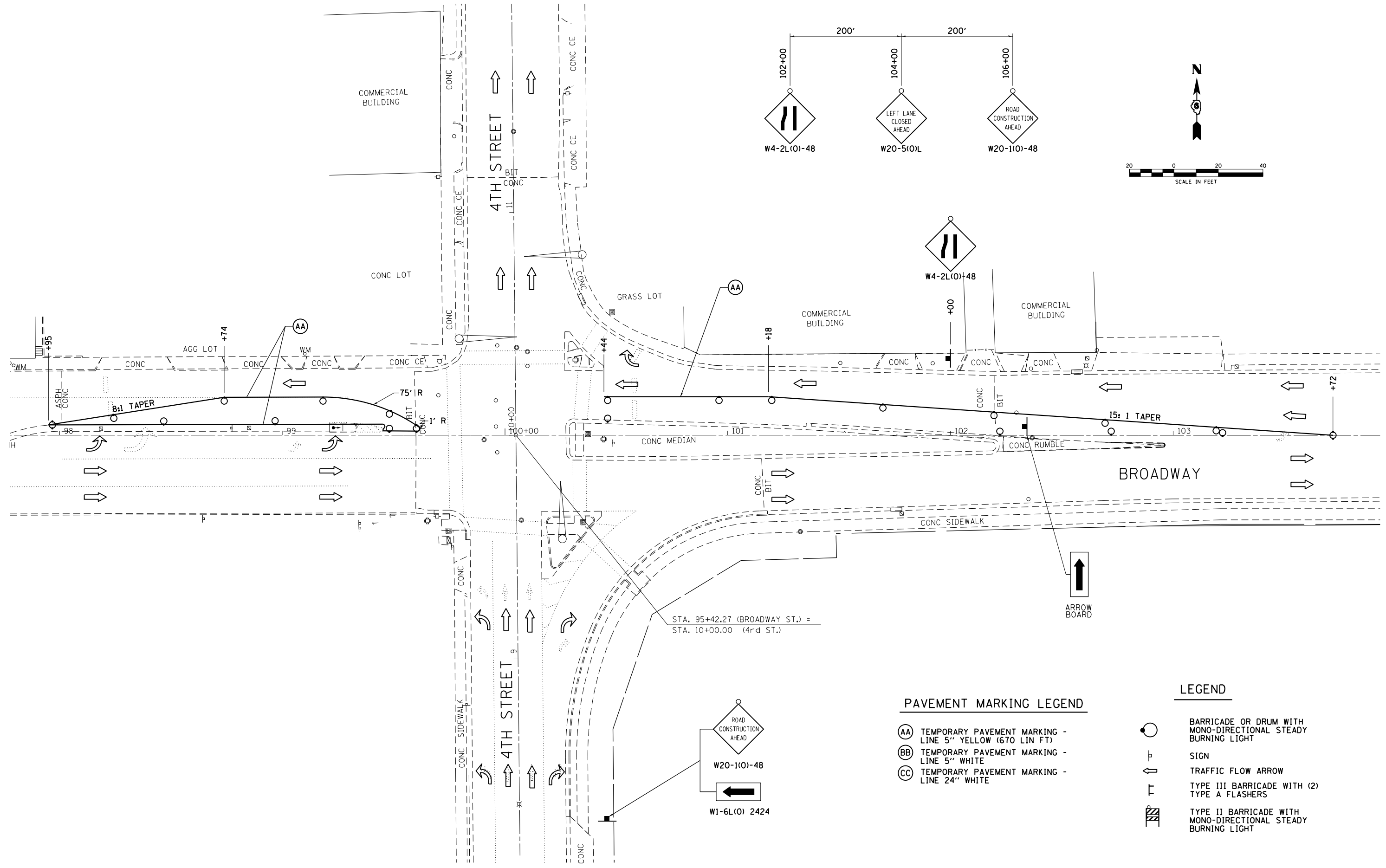
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL & PROTECTION (SPECIAL)			
3RD STREET & BROADWAY			
SCALE: 1" = 40'	SHEET 1	OF 4 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1Z)BP,BRR,BJR-1,BDR,L	ADAMS	78	56
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

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PAVEMENT MARKING LEGEND

- (AA) TEMPORARY PAVEMENT MARKING - LINE 5" YELLOW (670 LIN FT)
- (BB) TEMPORARY PAVEMENT MARKING - LINE 5" WHITE
- (CC) TEMPORARY PAVEMENT MARKING - LINE 24" WHITE

LEGEND

- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

STA. 95+42.27 (BROADWAY ST.) =
 STA. 10+00.00 (4th ST.)

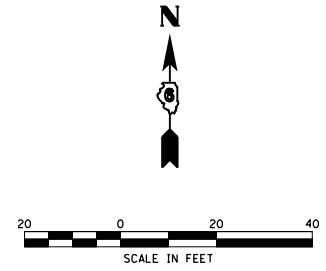
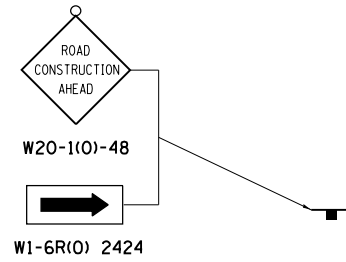
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION (SPECIAL)
 3RD STREET & MAINE**

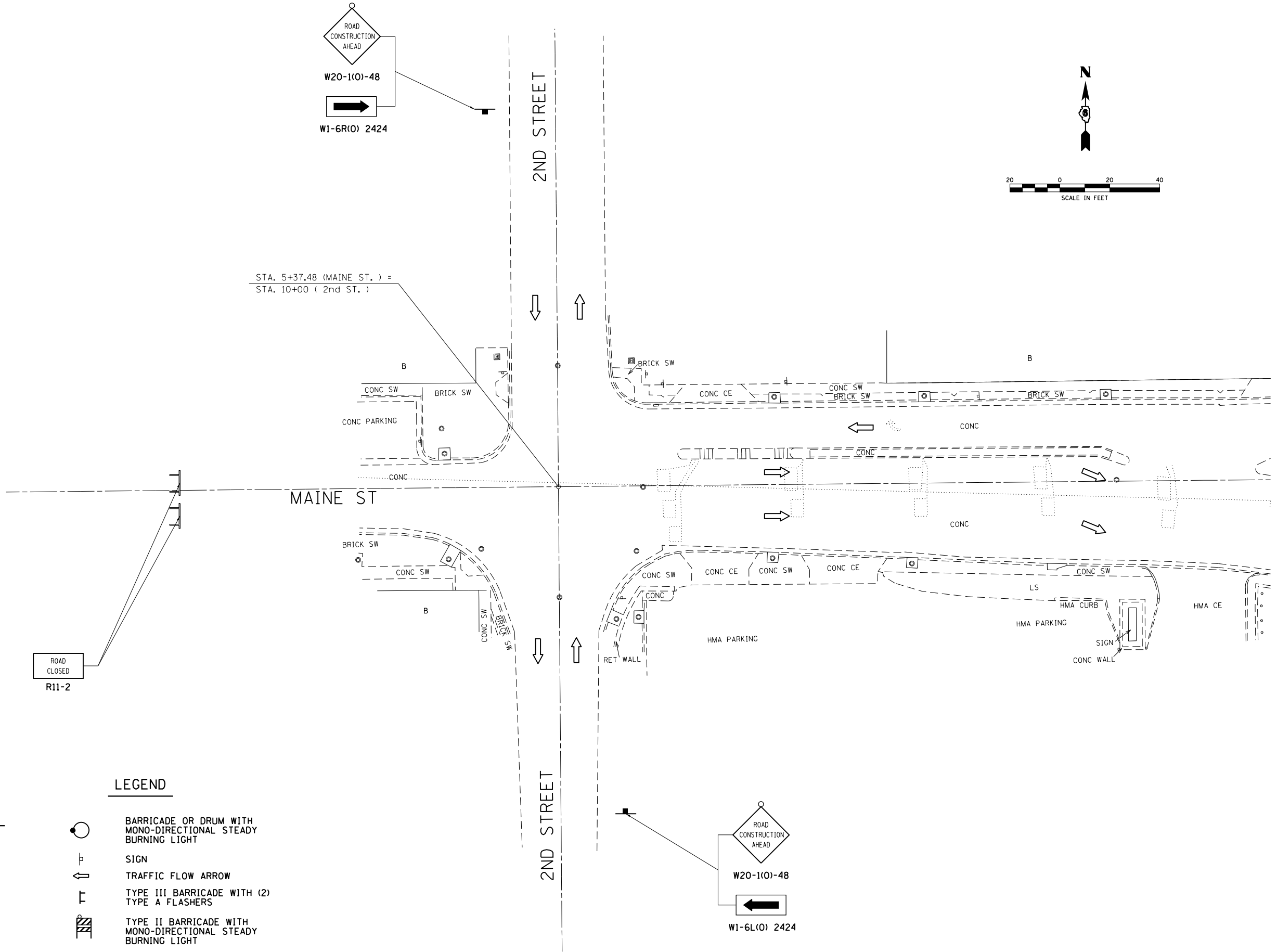
SCALE: 1" = 40' SHEET 2 OF 4 SHEETS STA. N/A TO STA. N/A

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	57
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



STA. 5+37.48 (MAINE ST.) =
STA. 10+00 (2nd ST.)

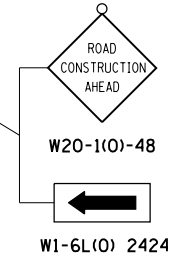


LEGEND

PAVEMENT MARKING LEGEND

- (AA) TEMPORARY PAVEMENT MARKING - LINE 5" YELLOW
- (BB) TEMPORARY PAVEMENT MARKING - LINE 5" WHITE
- (CC) TEMPORARY PAVEMENT MARKING - LINE 24" WHITE

- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



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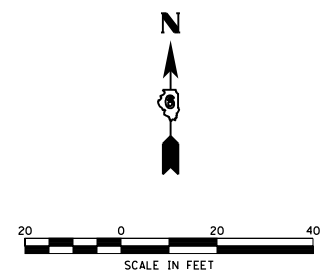
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

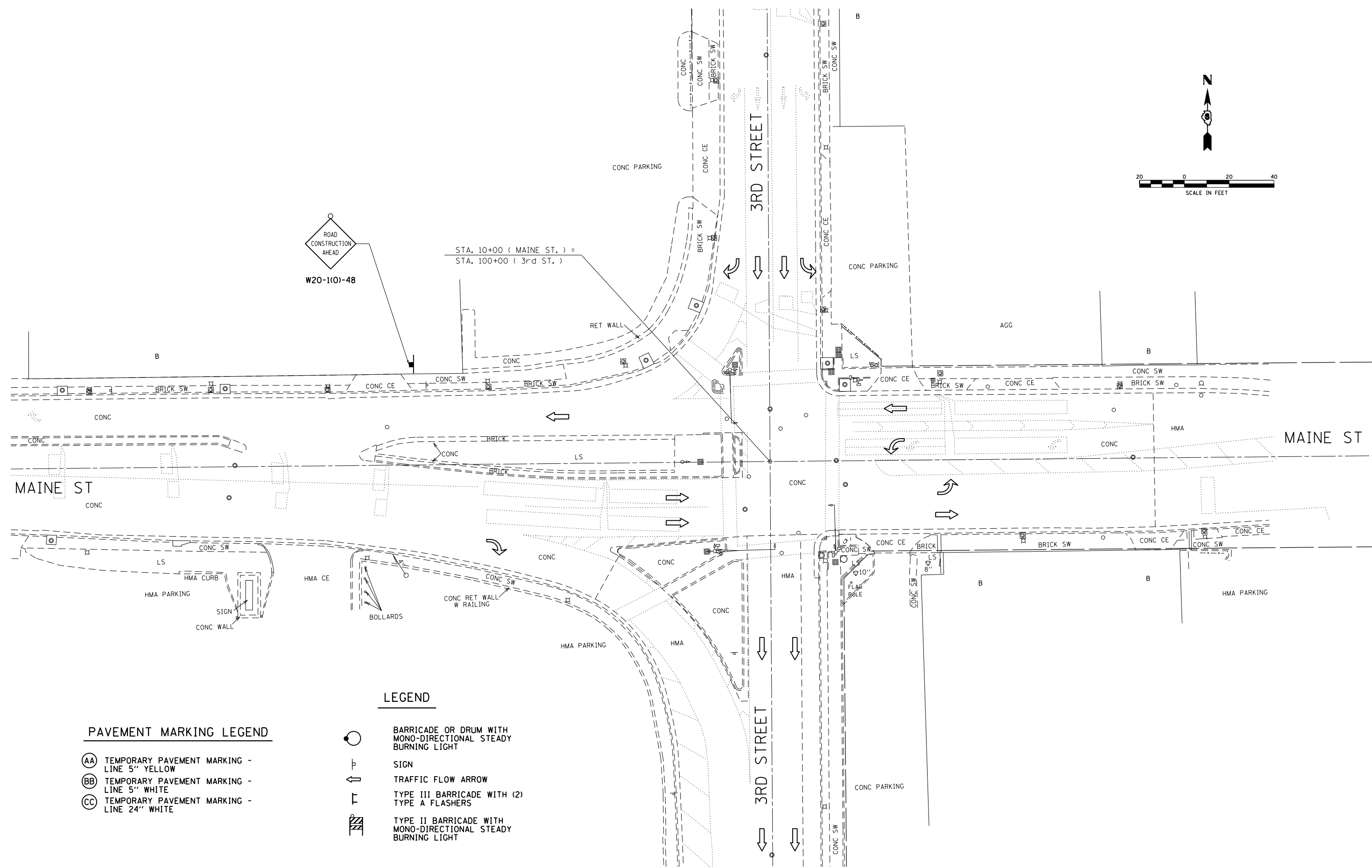
**TRAFFIC CONTROL & PROTECTION (SPECIAL)
2ND STREET & MAINE**

SCALE: 1" = 40' SHEET 3 OF 4 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	58
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				



STA. 10+00 (MAINE ST.) =
STA. 100+00 (3rd ST.)



PAVEMENT MARKING LEGEND

- (AA) TEMPORARY PAVEMENT MARKING - LINE 5" YELLOW
- (BB) TEMPORARY PAVEMENT MARKING - LINE 5" WHITE
- (CC) TEMPORARY PAVEMENT MARKING - LINE 24" WHITE

LEGEND

- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION (SPECIAL)
3RD STREET & MAINE**

SCALE: 1" = 40' SHEET 4 OF 4 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB)BP,BRR,BJR-1,BDR,L	ADAMS	78	59
CONTRACT NO. 72L58				
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL PLAN LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED
ALUMINUM MAST ARM ASSEMBLY AND POLE			
STEEL MAST ARM ASSEMBLY AND POLE			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			
SIGNAL POST			
CONTROLLER CABINET			
MASTER CONTROLLER			
RAILROAD CONTROLLER			
UNINTERRUPTABLE POWER SUPPLY			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM			
TEMPORARY WOOD POLE W/ GUY			
SERVICE INSTALLATION (P) POLE OR (G) GROUND MOUNT			
TEMPORARY SIGNAL HEAD			
SIGNAL HEAD (NUMBER INDICATE NUMBER OF SECTIONS)			
SIGNAL HEAD WITH BACKPLATE			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)			
PEDESTRIAN SIGNAL HEAD			
PEDESTRIAN PUSH-BUTTON DETECTOR			
ACCESSIBLE PEDESTRIAN PUSH-BUTTON DETECTOR			
PRIORITY VEHICLE DETECTOR			
CONFORMATION BEACON			
VIDEO DETECTOR SYSTEM			
HANDHOLE			
DOUBLE HANDHOLE			
HEAVY DUTY HANDHOLE			
JUNCTION BOX			
GULFBOX JUNCTION			
CONDUIT SPLICE			

ITEM	REMOVAL	EXISTING	PROPOSED
DETECTOR LOOP LARGE			
DETECTOR LOOP SMALL			
QUADRAPOLE DETECTOR LOOP			
DIRECT CONNECTED LOOP LEAD-IN (TWISTED)			
UNDERGROUND CONDUIT (UC)			

LENGTH - CONSTRUCTION (T=TRENCH, P=PUSHED, A=AUGERED, E= EXISTING)
 SIZE - TYPE (S=STEEL, P=PVC, F=FIBER DUCT, U=UNI-DUCT)

TRAFFIC SIGNAL DETAIL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED
SIGNAL SECTION - SOLID RED			
SIGNAL SECTION - SOLID YELLOW			
SIGNAL SECTION - SOLID GREEN			
SIGNAL SECTION - RED TURN ARROW			
SIGNAL SECTION - YELLOW TURN ARROW			
SIGNAL SECTION - FLASHING YELLOW ARROW			
SIGNAL SECTION - GREEN TURN ARROW			
PEDESTRIAN SIGNAL HEAD			
PEDESTRIAN SIGNAL HEAD W/ COUNTDOWN TIMER			
TRAFFIC SIGNAL BACKPLATE			
SIGNAL SECTION WITH LOUVRE			
SIGNAL SECTION WITH DUAL INDICATION			
ELECTRIC CABLE (NUMBER INDICATES NUMBER OF CONDUCTORS)			
ELECTRIC CABLE IDENTIFIER TAPE CODES (R=RED, W=WHITE, Y=YELLOW, G=GREEN, B=BLUE, O=ORANGE, V=VIOLET, P=PINK)			
DETECTOR LOOP			
QUADRAPOLE DETECTOR LOOP			

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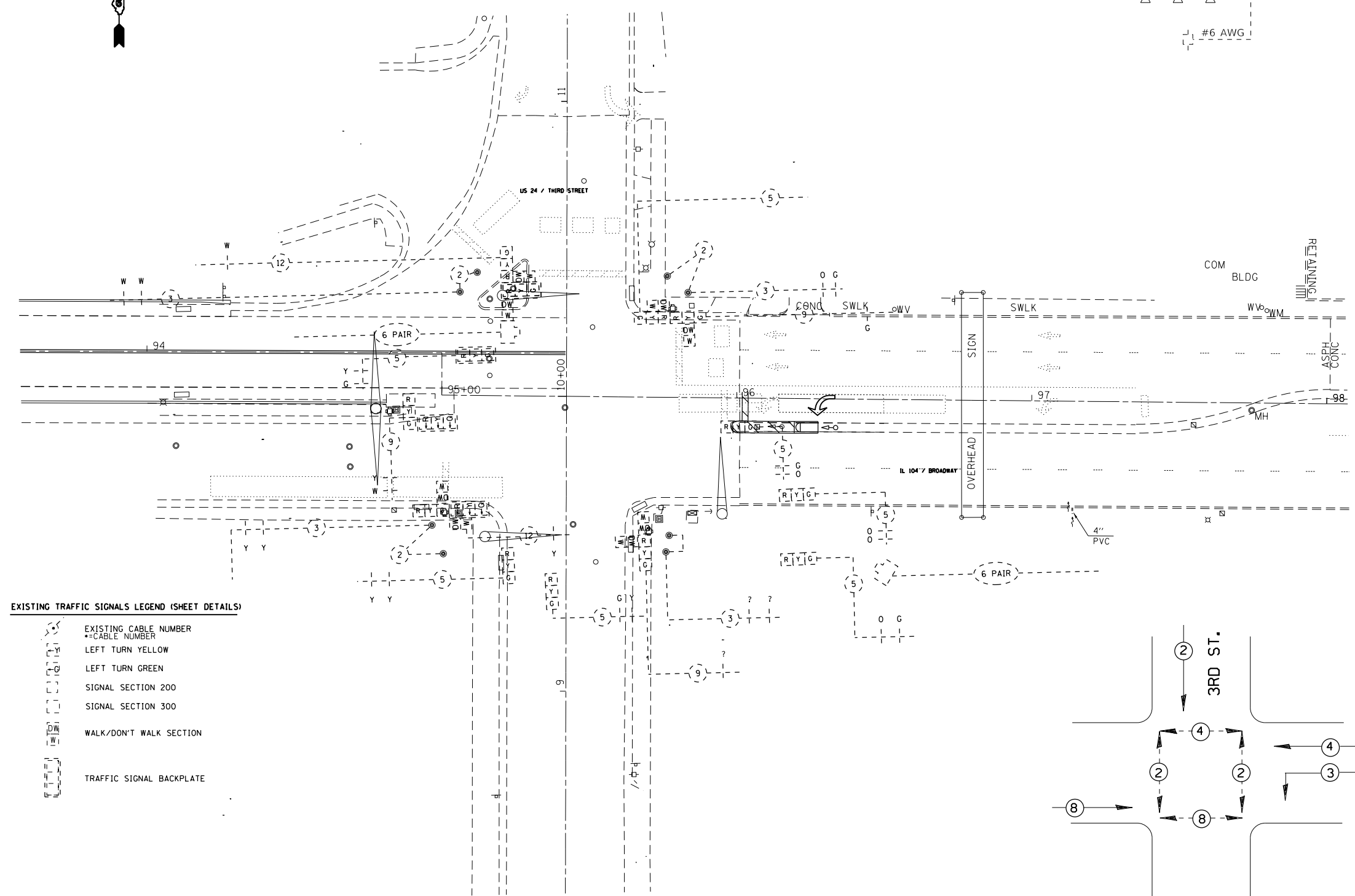
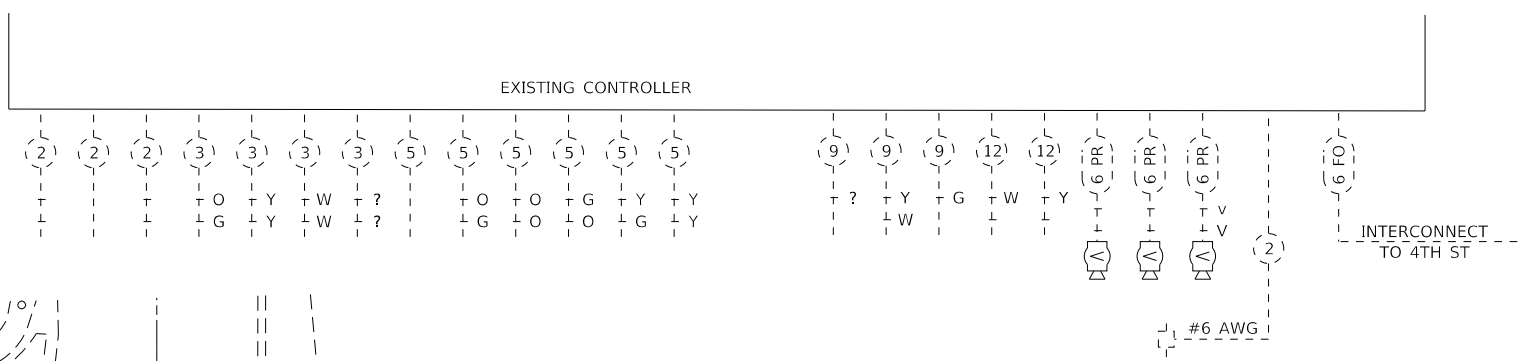
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT SIX
 TRAFFIC SIGNAL LEGEND STANDARD

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

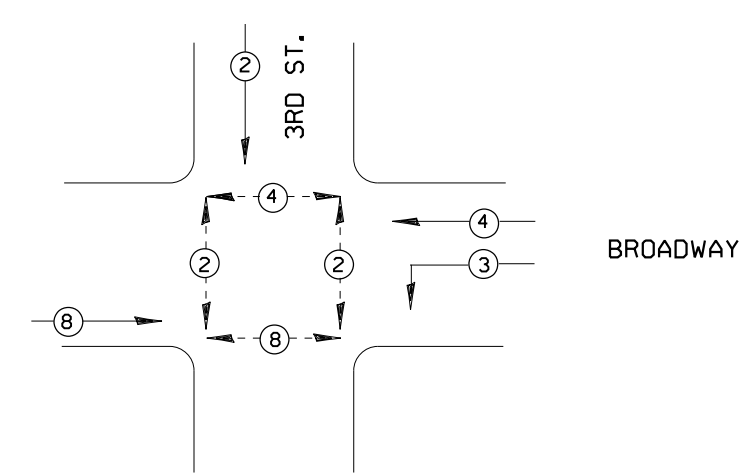
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CONTRACT NO. 72L58			ILLINOIS FED. AID PROJECT	

*(12B) BP, BRR, BJR-1, BDR, L



EXISTING TRAFFIC SIGNALS LEGEND (SHEET DETAILS)

- EXISTING CABLE NUMBER
- CABLE NUMBER
- LEFT TURN YELLOW
- LEFT TURN GREEN
- SIGNAL SECTION 200
- SIGNAL SECTION 300
- WALK/DON'T WALK SECTION
- TRAFFIC SIGNAL BACKPLATE



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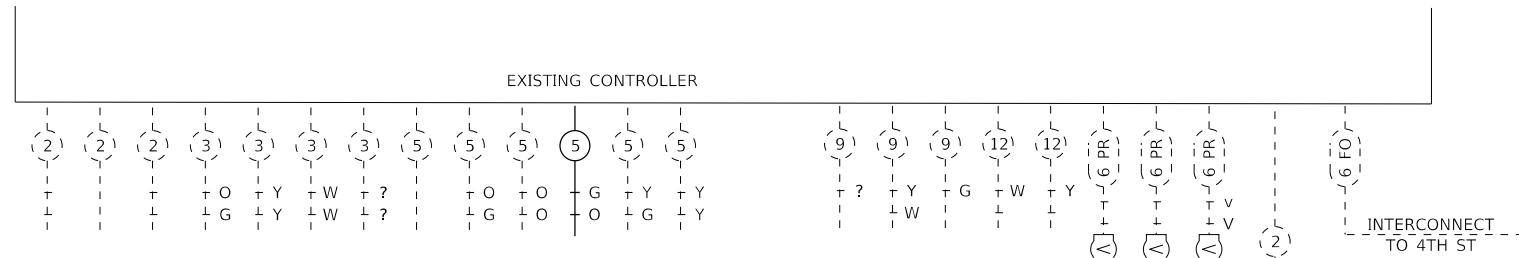
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

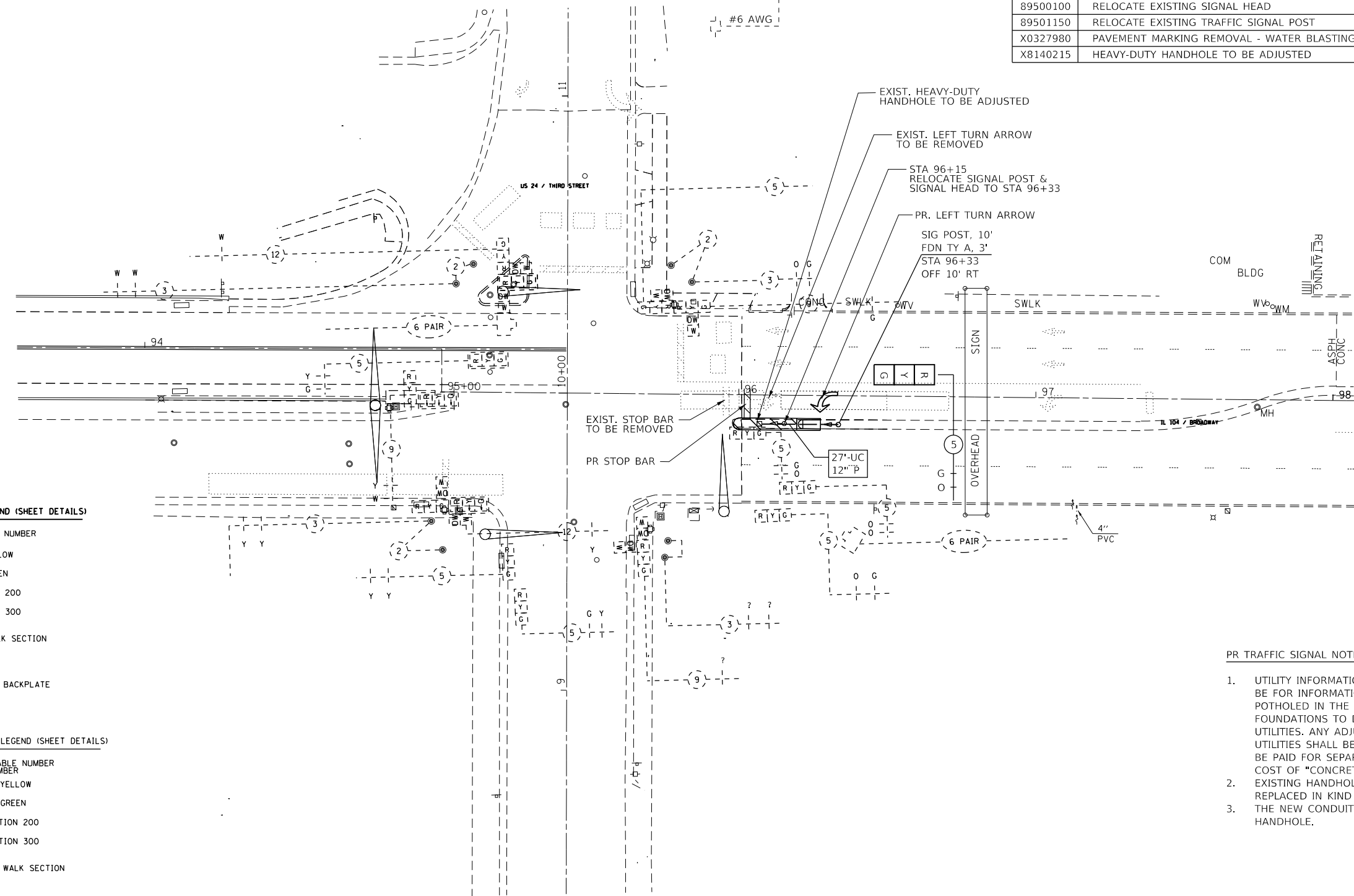
EXISTING TRAFFIC SIGNAL PLAN			
IL 104 & 3RD ST			
SCALE:	SHEET 2	OF 3	SHEETS
STA.		TO STA.	

F.A.P. RTE. 63	SECTION *	COUNTY ADAMS	TOTAL SHEETS 78	SHEET NO. 61
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

*(12B) BP, BRR, BJR-1, BDR, L



NO.	ITEM	UNIT	QUANTITY
78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	15.6
78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	45
78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	18
78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	12
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	27
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	96.6
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	78
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	1
89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	39.6
X8140215	HEAVY-DUTY HANDHOLE TO BE ADJUSTED	EACH	1



EXISTING TRAFFIC SIGNALS LEGEND (SHEET DETAILS)

- EXISTING CABLE NUMBER
**CABLE NUMBER
- LEFT TURN YELLOW
- LEFT TURN GREEN
- SIGNAL SECTION 200
- SIGNAL SECTION 300
- WALK/DON'T WALK SECTION
- TRAFFIC SIGNAL BACKPLATE

PROPOSED TRAFFIC SIGNALS LEGEND (SHEET DETAILS)

- EXISTING CABLE NUMBER
**CABLE NUMBER
- LEFT TURN YELLOW
- LEFT TURN GREEN
- SIGNAL SECTION 200
- SIGNAL SECTION 300
- WALK/DON'T WALK SECTION
- TRAFFIC SIGNAL BACKPLATE

PR TRAFFIC SIGNAL NOTES

1. UTILITY INFORMATION SHOWN ON THE PLAN SHEETS IS CONSIDERED TO BE FOR INFORMATION ONLY. ALL SUBSURFACE UTILITIES SHALL BE POTHOLED IN THE VICINITY OF THE PROPOSED CONCRETE SIGNAL FOUNDATIONS TO DETERMINE ACTUAL LOCATION OF THE VARIOUS UTILITIES. ANY ADJUSTMENTS THAT NEED TO BE MADE TO AVOID EXISTING UTILITIES SHALL BE APPROVED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCLUDED IN THE COST OF "CONCRETE FOUNDATIONS, TY A, C & E."
2. EXISTING HANDHOLE TO BE ADJUSTED SHALL HAVE THE FRAME AND LID REPLACED IN KIND WITH NEW FRAME AND LID;
3. THE NEW CONDUIT SHALL BE TIED INTO THE EXISTING CONDUIT AT THE HANDHOLE.

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DEPARTMENT OF TRANSPORTATION**





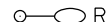
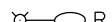








**PROPOSED TRAFFIC SIGNAL PLAN
IL 104 & BROADWAY ST**

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	62
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

*(12B) BP, BRR, BJR-1, BDR, L

LIGHTING LEGEND:

-  R EXISTING CONTROLLER TO BE REMOVED.
-  R EXISTING JUNCTION BOX TO BE REMOVED.
-  EXISTING CABLE AND CONDUIT TO BE REMOVED.
-  R EXISTING NAVIGATIONAL LIGHT TO BE REMOVED.
-  R EXISTING LUMINAIRE AND MAST ARM TO BE REMOVED.
-  R EXISTING PIER MOUNTED LIGHT POLE TO BE REMOVED, NO SALVAGE.
-  R EXISTING GROUND MOUNTED LIGHT POLE AND FOUNDATION TO BE REMOVED.
-  PROPOSED NAVIGATION OBSTRUCTION LIGHTING CONTROLLER.
-  PROPOSED CABLE AND CONDUIT, SIZE AS NOTED ON PLAN.
-  PROPOSED RED NAVIGATIONAL LIGHT, LED, 180°.
-  PROPOSED GREEN NAVIGATIONAL LIGHT, LED, 360°.
-  PROPOSED LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E, 240V, 4' MAST ARM AND 30' M.H.
-  PROPOSED LIGHT POLE, GALVANIZED STEEL, 30' M.H., 6' DAVIT ARM, LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E, 240V, ON EXISTING PIER FOUNDATION. SEE STRUCTURAL PLANS FOR FOUNDATION DETAIL.
-  PROPOSED LIGHT POLE, GALVANIZED STEEL, 30' M.H., 6' DAVIT ARM, LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E, 240V, ON PROPOSED METAL HELIX FOUNDATION.

CABLE/CONDUIT SCHEDULE:

-  ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1C NO.6, 1/C NO.8 GROUND IN 2" DIA., GALVANIZED STEEL CONDUIT ATTACHED TO STRUCTURE.
-  ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1C NO.6, 1/C NO.8 GROUND IN 3/4" DIA., GALVANIZED STEEL CONDUIT ATTACHED TO STRUCTURE.
-  ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1C NO.6, 1/C NO.8 GROUND IN 2" DIA., UNDERGROUND GALVANIZED STEEL CONDUIT.
-  ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1C NO.8, 1/C NO.8 GROUND IN 2" DIA., GALVANIZED STEEL CONDUIT ATTACHED TO STRUCTURE.

HIGHWAY STANDARDS

- 821101-02 LUMINAIRE WIRING IN POLE
- 826001-02 NAVIGATION OBSTRUCTION LIGHTING CONTROLLER, 240V
- 830006-05 LIGHT POLE ALUMINUM DAVIT ARM
- 836001-04 LIGHT POLE FOUNDATION
- 838001-01 BREAKAWAY DEVICES

BILL OF MATERIALS:

ITEM	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	55
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	5,710
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 10" X 6" X 4"	EACH	6
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	3,860
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	7,720
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8	FOOT	2,115
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E	EACH	18
NAVIGATION OBSTRUCTION LIGHTING CONTROLLER	EACH	1
LIGHT POLE, ALUMINUM, 30 FT. M.H., 6 FT. DAVIT ARM	EACH	12
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	10
BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	2
REMOVAL OF NAVIGATION OBSTRUCTION WARNING LIGHTING SYSTEM	L SUM	1
REMOVE EXISTING LIGHTING SYSTEM	L SUM	1
MAST ARM, STREET LIGHTING, 4'	EACH	6
CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA. STAINLESS STEEL	FOOT	180
LUMINAIRE MOUNTING BRACKET - SPECIAL	EACH	6
MAINTENANCE OF NAVIGATION LIGHTING SYSTEM	CAL MO	6
WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED, 180 DEGREE RED	EACH	6
WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED, 360 DEGREE GREEN	EACH	4

INDEX OF SHEETS

- L-1 CABLE/CONDUIT SCHEDULE, GENERAL NOTES, HIGHWAY STANDARDS, INDEX OF SHEETS, LIGHTING LEGEND, AND BILL OF MATERIALS.
- L-2 NAVIGATION LIGHTING REMOVAL PLAN.
- L-3 NAVIGATION LIGHTING REMOVAL PLAN.
- L-4 ROADWAY LIGHTING REMOVAL PLAN.
- L-5 ROADWAY LIGHTING REMOVAL PLAN.
- L-6 ROADWAY LIGHTING REMOVAL PLAN.
- L-7 PROPOSED NAVIGATION LIGHTING PLAN.
- L-8 PROPOSED NAVIGATION LIGHTING PLAN.
- L-9 PROPOSED ROADWAY LIGHTING PLAN.
- L-10 PROPOSED ROADWAY LIGHTING PLAN.
- L-11 PROPOSED ROADWAY LIGHTING PLAN.
- L-12 LIGHTING DETAILS.
- L-13 LIGHTING DETAILS.
- L-14 LIGHTING DETAILS.
- L-15 WIRING DIAGRAMS.
- L-16 LUMINAIRE PERFORMANCE TABLE.

GENERAL NOTES:

1. THE CONTRACTOR SHALL STAGE THE REMOVAL OF EXISTING LIGHT POLES AND INSTALLATION OF NEW POLES SO THAT THE ROADWAY IS ADEQUATELY LIT AT ALL TIMES.
2. THE CONTRACTOR SHALL STAGE THE REMOVAL OF THE EXISTING NAVIGATION LIGHTING AND THE INSTALLATION OF NEW NAVIGATION LIGHTING SO AS TO MAINTAIN CONTINUOUS OPERATION OF THE NAVIGATION LIGHTING SYSTEM.
3. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BIDDING. THERE WILL BE NO ADDITIONAL COMPENSATION PAID FOR CLAIMS THAT ARISE FROM A FAILURE TO FULLY INVESTIGATE EXISTING FIELD CONDITIONS.
4. THE CONTRACTOR SHALL DISPOSE OF THE EXISTING LIGHTING EQUIPMENT (LIGHT POLES, LUMINAIRE ARMS, LUMINAIRES, WIRING, CONDUIT, LIGHTING CONTROLLER, ETC). OFF THE JOB SITE. THE SALVAGE COST OF THESE ITEMS SHALL BE INCLUDED IN THE BID PRICES FOR THE LIGHTING REMOVAL PAY ITEMS.
5. THE CONTRACTOR SHALL FURNISH AND INSTALL FLEXIBLE LIQUID TIGHT CONDUIT AS REQUIRED FOR THE PROPOSED LIGHTING INSTALLATION. THE COST OF THE FLEXIBLE LIQUID TIGHT CONDUIT SHALL BE INCLUDED IN THE COST OF THE PROPOSED CONDUIT.
6. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED TO ATTACH THE CONDUITS AND JUNCTION BOXES TO THE STRUCTURE, INCLUDING, BUT NOT LIMITED TO UNI-STRUT, BRACKETS, FLEXIBLE LIQUID TIGHT CONDUIT, LB CONDUIT, FITTINGS, HARDWARE, AND OTHER MISCELLANEOUS ITEMS. THESE ITEMS SHALL BE STAINLESS STEEL OR HOT-DIPPED GALVANIZED STEEL AND WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE CONDUIT ATTACHED TO STRUCTURE AND JUNCTION BOX PAY ITEMS.
7. CONDUIT ATTACHMENT BRACKETS SHALL BE INSTALLED AT 8 FT. SPACINGS (MAXIMUM) ON STRUCTURES.
8. THE CONTRACTOR SHALL FURNISH AND INSTALL EXPANSION/DEFLECTION COUPLINGS (OR OTHER EQUIPMENT AND METHODS AS APPROVED BY THE ENGINEER) FOR ALL BRIDGE JOINTS AS SHOWN ON THE PLAN SHEETS AND DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED CONDUIT.
9. ALL FLEXIBLE LIQUID TIGHT CONDUIT SHALL BE NON-METALLIC AND SHALL INCLUDE CONNECTORS WITH INTEGRAL STAINLESS STEEL KELLUM GRIPS AT THE ENDS FOR INCREASED STRENGTH AND DURABILITY.
10. ALL CONDUIT ATTACHMENT BRACKETS AND HARDWARE SHALL BE STAINLESS STEEL.
11. THE CONTRACTOR SHALL INSTALL THREAD LOCKER ON ALL ATTACHED GALVANIZED CONDUIT THREADED CONNECTIONS TO PREVENT LOOSENING THROUGH VIBRATION.

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$

SDATE\$ \$TIME\$

USER NAME =	DESIGNED - MKR	REVISED -
	CHECKED - MKR	REVISED -
PLOT SCALE =	DRAWN - MRT	REVISED -
PLOT DATE =	CHECKED -	REVISED -

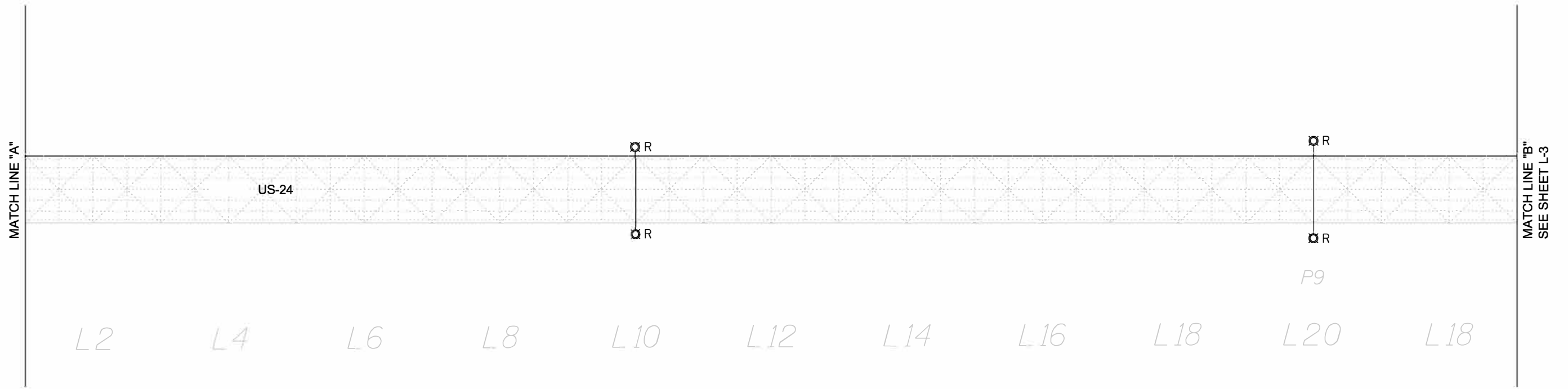
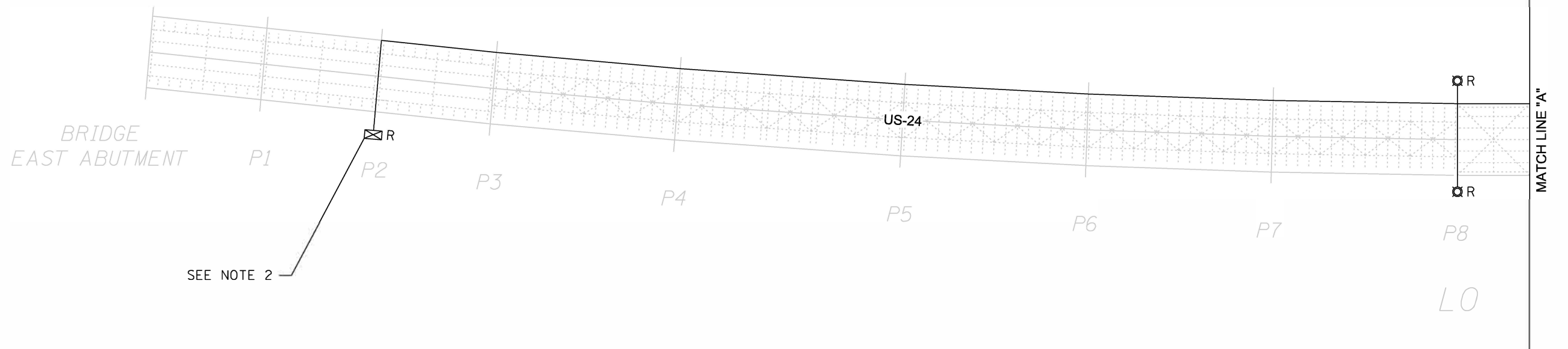
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE/CONDUIT SCHEDULE, GENERAL NOTES, HIGHWAY STANDARDS,
INDEX OF SHEETS, LIGHTING LEGEND, AND BILL OF MATERIALS.**

SHEET 1 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	63
			CONTRACT NO. 72L58	
		ILLINOIS	FED. AID PROJECT	

*(12B) BP, BRR, BJR-1, BDR, L



NOTES:

1. FOR LEGEND SEE SHEET L-1
2. EXISTING NAVIGATION LIGHTING CONTROLLER IS ATTACHED TO THE EAST FACE OF PIER 2. THIS SYMBOL IS SHOWN FOR CLARITY.

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$

\$DATES\$ \$TIMES\$

USER NAME =	DESIGNED - MKR	REVISED -
	CHECKED - MKR	REVISED -
PLOT SCALE = 1"=50'	DRAWN - MRT	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NAVIGATION LIGHTING REMOVAL PLAN
QUINCY MEMORIAL BRIDGE**

SHEET 2 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	64
CONTRACT NO. 72L58				
ILLINOIS FED. AID PROJECT				

*(12B) BP, BRR, BJR-1, BDR, L



MATCH LINE "B"
SEE SHEET L-2

US-24

R
R

R
R

P10

P11

P12

L16

L14

L12

L10

L8

L6

L4

L2

L0

NOTES:

- 1. FOR LEGEND SEE SHEET L-1

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$

\$DATES \$TIMES

USER NAME =	DESIGNED - MKR	REVISED -
CHECKED - MKR	REVISED -	
PLOT SCALE = 1"=50'	DRAWN - MRT	REVISED -
PLOT DATE =	CHECKED -	REVISED -

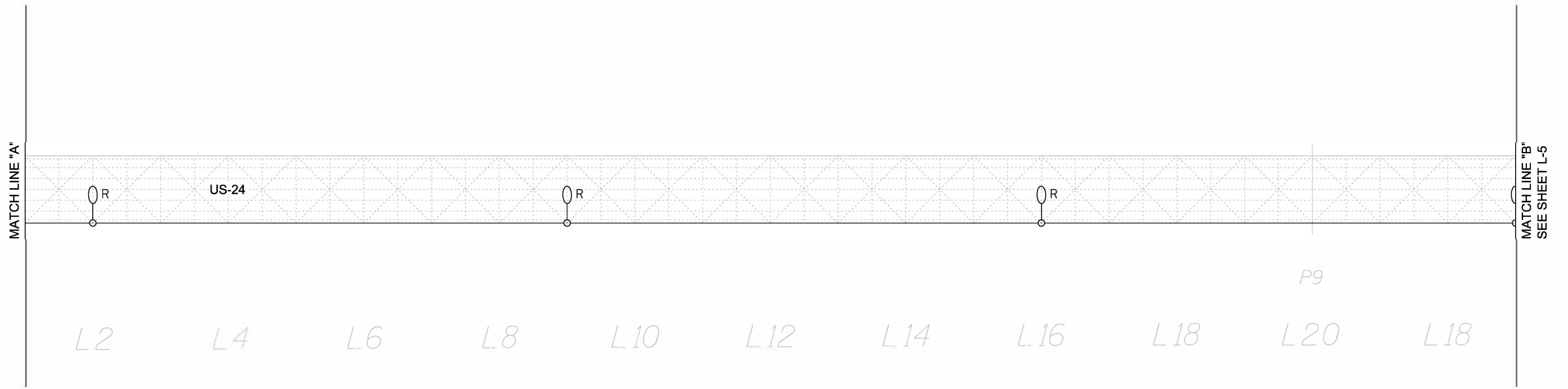
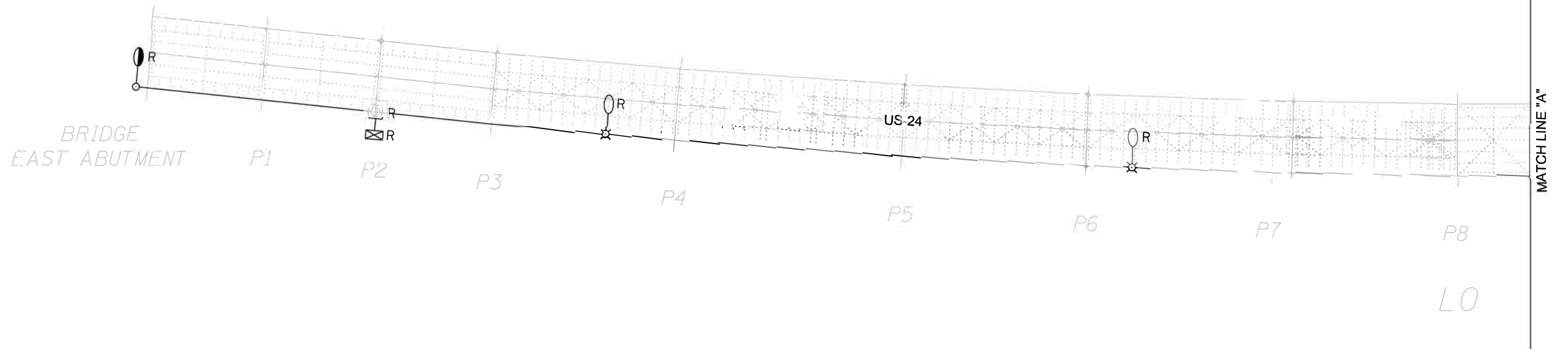
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NAVIGATION LIGHTING REMOVAL PLAN
QUINCY MEMORIAL BRIDGE**

SHEET 3 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	65
			CONTRACT NO. 72L58	

ILLINOIS FED. AID PROJECT
*(12B) BP, BRR, BJR-1, BDR, L



NOTES:

1. FOR LEGEND SEE SHEET L-1

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$

SDATES \$TIMES\$

USER NAME =	DESIGNED - MKR	REVISED -
	CHECKED - MKR	REVISED -
PLOT SCALE = 1"=50'	DRAWN - MRT	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY LIGHTING REMOVAL PLAN
QUINCY MEMORIAL BRIDGE**

SHEET 4 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	66
			CONTRACT NO. 72L58	

*(12B) BP, BRR, BJR-1, BDR, L

ILLINOIS FED. AID PROJECT



MATCH LINE "B"
SEE SHEET L-4

MATCH LINE "C"
SEE SHEET L-5

US-24

L16

L14

L12

L10

L8

L6

L4

L2

L0

P10

P11

P12

MATCH LINE "C"
SEE SHEET L-5

MATCH LINE "D"
SEE SHEET L-6

US-24

P12

P13

P14

P15

P16

P17

P18

P19

P20

P21

NOTES:

- 1. FOR LEGEND SEE SHEET L-1

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$

SDATES \$TIMES\$

USER NAME =	DESIGNED - MKR	REVISED -
CHECKED - MKR	REVISOR -	
PLOT SCALE = 1"=50'	DRAWN - MRT	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY LIGHTING REMOVAL PLAN
QUINCY MEMORIAL BRIDGE**

SHEET 5 OF 16 SHEETS

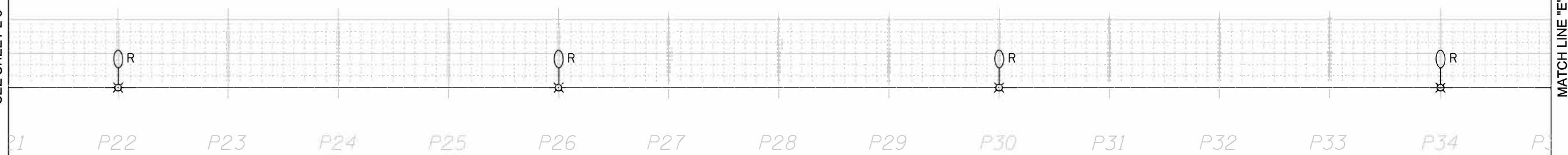
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	67
CONTRACT NO. 72L58				

*(12B) BP, BRR, BJR-1, BDR, L

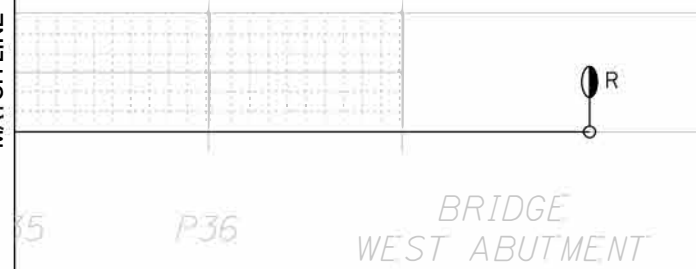
L-5



MATCH LINE "D"
SEE SHEET L-5



MATCH LINE "E"



NOTES:

1. FOR LEGEND SEE SHEET L-1

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$

\$DDATE\$ \$TIME\$

USER NAME =	DESIGNED - MKR	REVISED -
	CHECKED - MKR	REVISED -
PLOT SCALE = 1"=50'	DRAWN - MRT	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

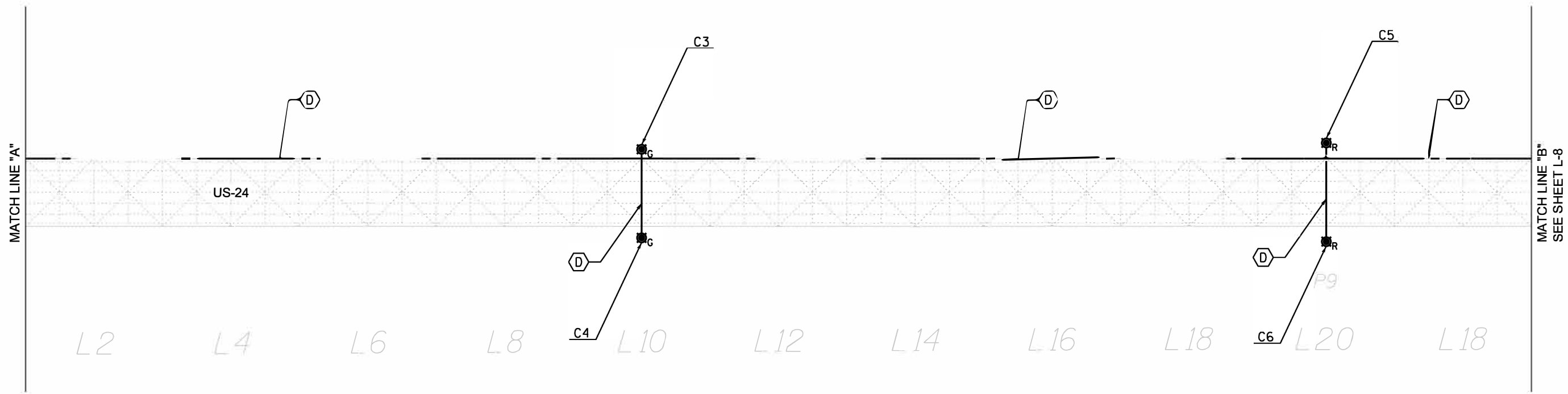
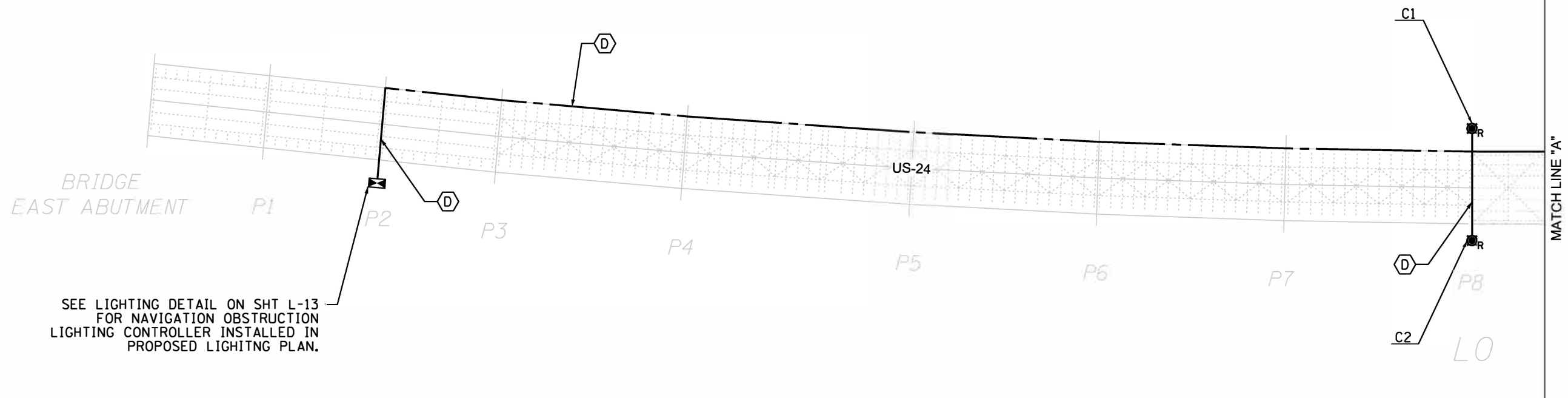
**ROADWAY LIGHTING REMOVAL PLAN
QUINCY MEMORIAL BRIDGE**

SHEET 6 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	68
CONTRACT NO. 72L58				

*(12B) BP, BRR, BJR-1, BDR, L

ILLINOIS FED. AID PROJECT



NOTES:
 1. FOR LEGEND SEE SHEET L-1

MODEL: \$MODELNAME\$
 FILENAME: \$FILEL\$

\$DATES\$ \$TIMES\$

USER NAME =	DESIGNED - MKR	REVISED -
	CHECKED - MKR	REVISED -
PLOT SCALE = 1"=50'	DRAWN - MRT	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

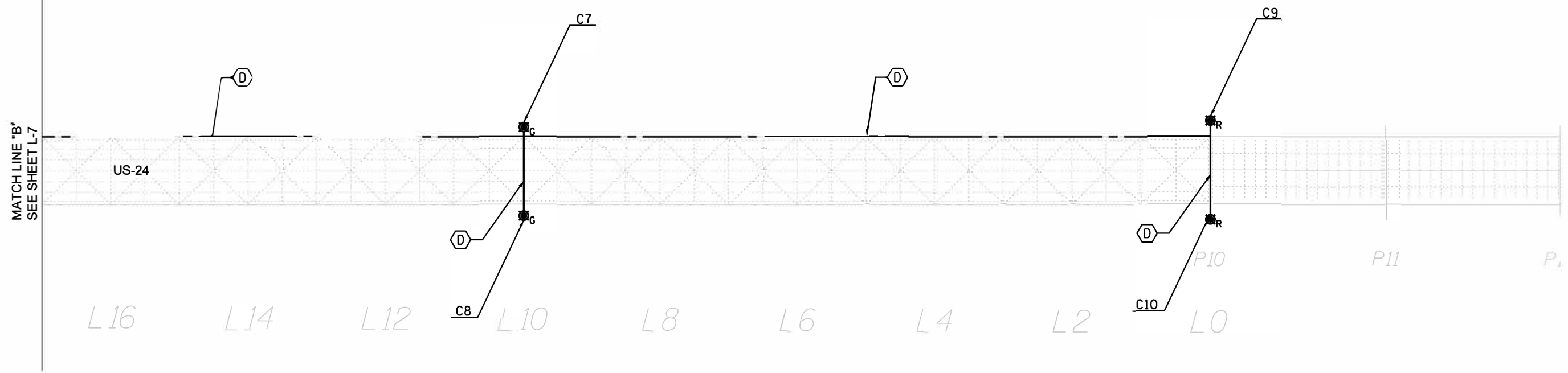
**PROPOSED NAVIGATION LIGHTING PLAN
 QUINCY MEMORIAL BRIDGE**

SHEET 7 OF 16 SHEETS

F. A. P. R. T. E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	69
CONTRACT NO. 72L58				

*(12B) BP, BFR, BJR-1, BDR, L

L-7



NOTES:

1. FOR LEGEND SEE SHEET L-1

MODEL: \$MODELNAME\$
FILE NAME: \$FILE\$.DWG

SDATES \$TIMES\$

USER NAME =	DESIGNED - MKR	REVISED -
	CHECKED - MKR	REVISED -
PLOT SCALE = 1"=50'	DRAWN - MRT	REVISED -
PLOT DATE =	CHECKED -	REVISED -

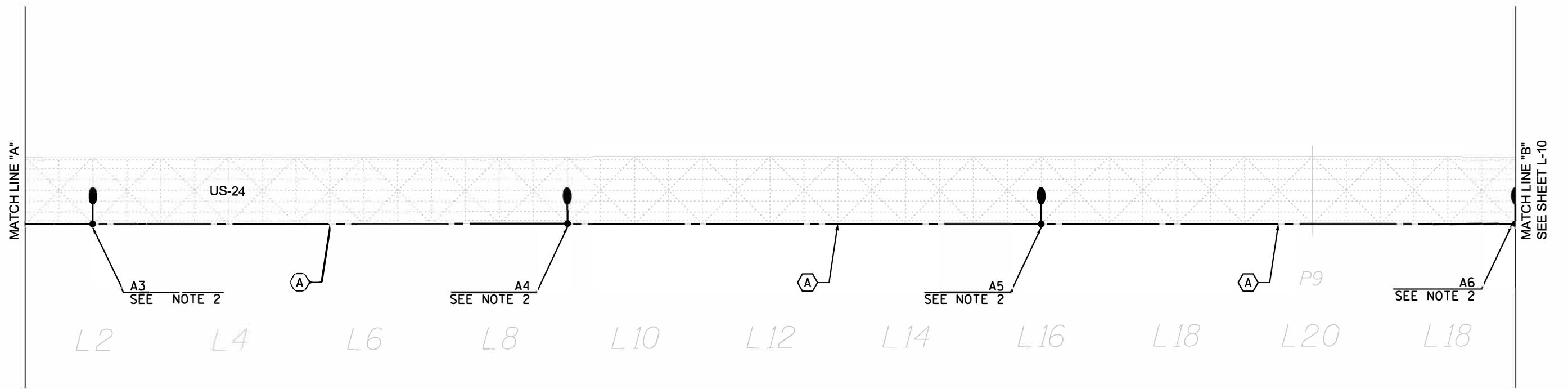
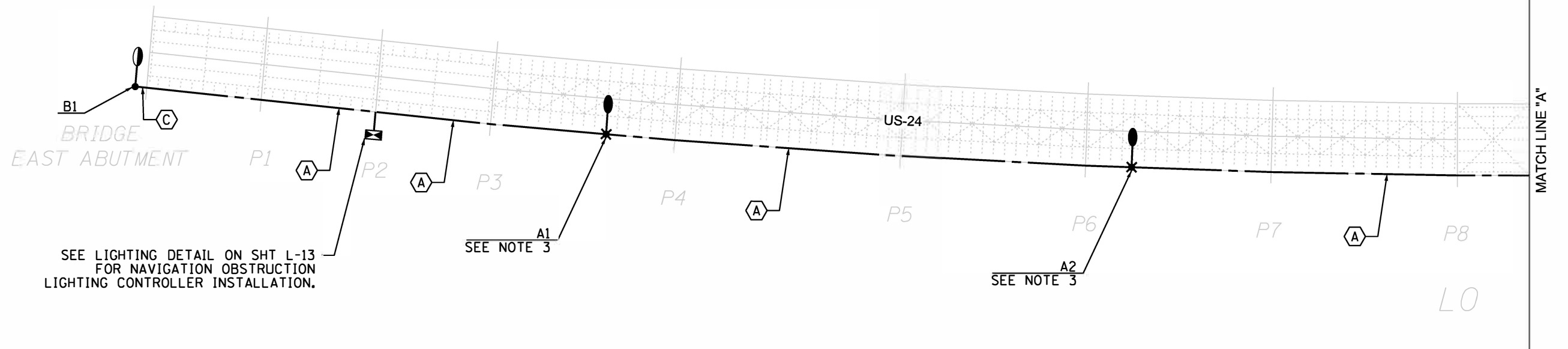
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED NAVIGATION LIGHTING PLAN
QUINCY MEMORIAL BRIDGE**

SHEET 8 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	70
			CONTRACT NO. 72L58	
		ILLINOIS	FED. AID PROJECT	

*(12B) BP, BRR, BJR-1, BDR, L



NOTES:

1. FOR LEGEND SEE SHEET L-1
2. INSTALL JUNCTION BOX AT LUMINAIRE MOUNTING HEIGHT OF 30'. SEE DETAILS ON SHEET L-12.
3. INSTALL 2" TYPE LB CONDULET AT BASE OF LIGHTING UNIT. SEE DETAILS ON SHEET L-12.

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$

\$DATES\$ \$TIMES\$

USER NAME =	DESIGNED - MKR	REVISED -
	CHECKED - MKR	REVISED -
PLOT SCALE = 1"=50'	DRAWN - MRT	REVISED -
PLOT DATE =	CHECKED -	REVISED -

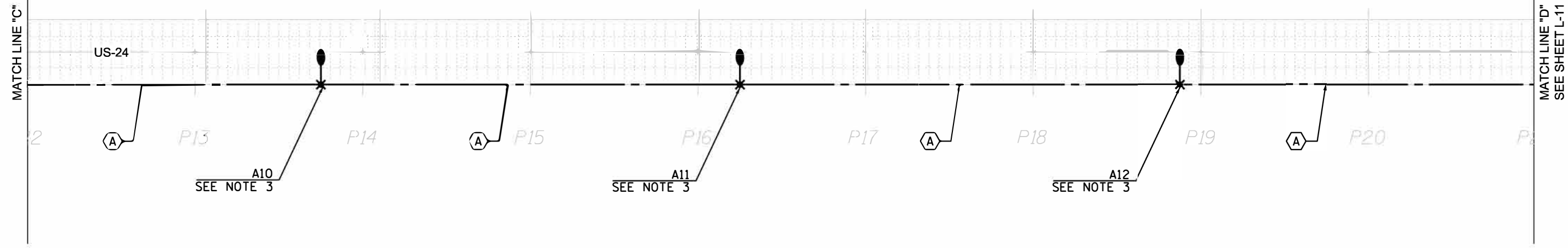
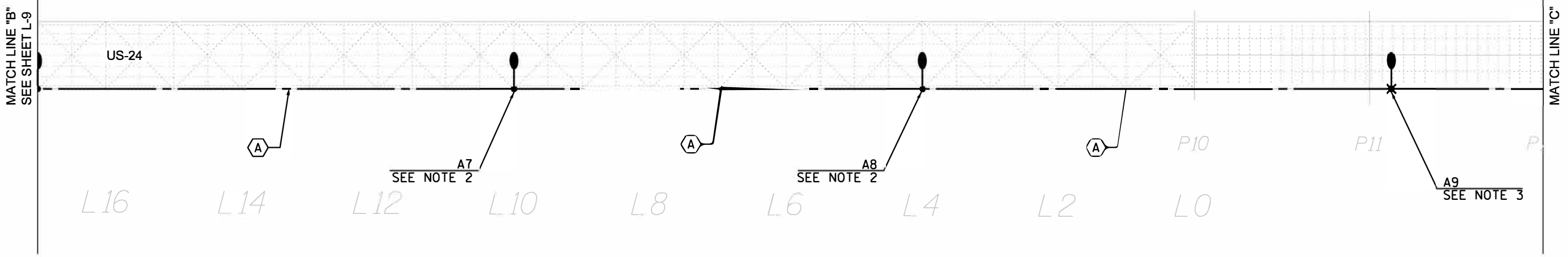
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADWAY LIGHTING PLAN
QUINCY MEMORIAL BRIDGE**

SHEET 9 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	71
CONTRACT NO. 72L58				

*(12B) BP, BRR, BJR-1, BDR, L



NOTES:

1. FOR LEGEND SEE SHEET L-1
2. INSTALL JUNCTION BOX AT LUMINAIRE MOUNTING HEIGHT OF 30'. SEE DETAILS ON SHEET L-12.
3. INSTALL 2" TYPE LB CONDULET AT BASE OF LIGHTING UNIT. SEE DETAILS ON SHEET L-12.

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$

SDATES \$TIMES\$

USER NAME =	DESIGNED - MKR	REVISED -
	CHECKED - MKR	REVISED -
PLOT SCALE = 1"=50'	DRAWN - MRT	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

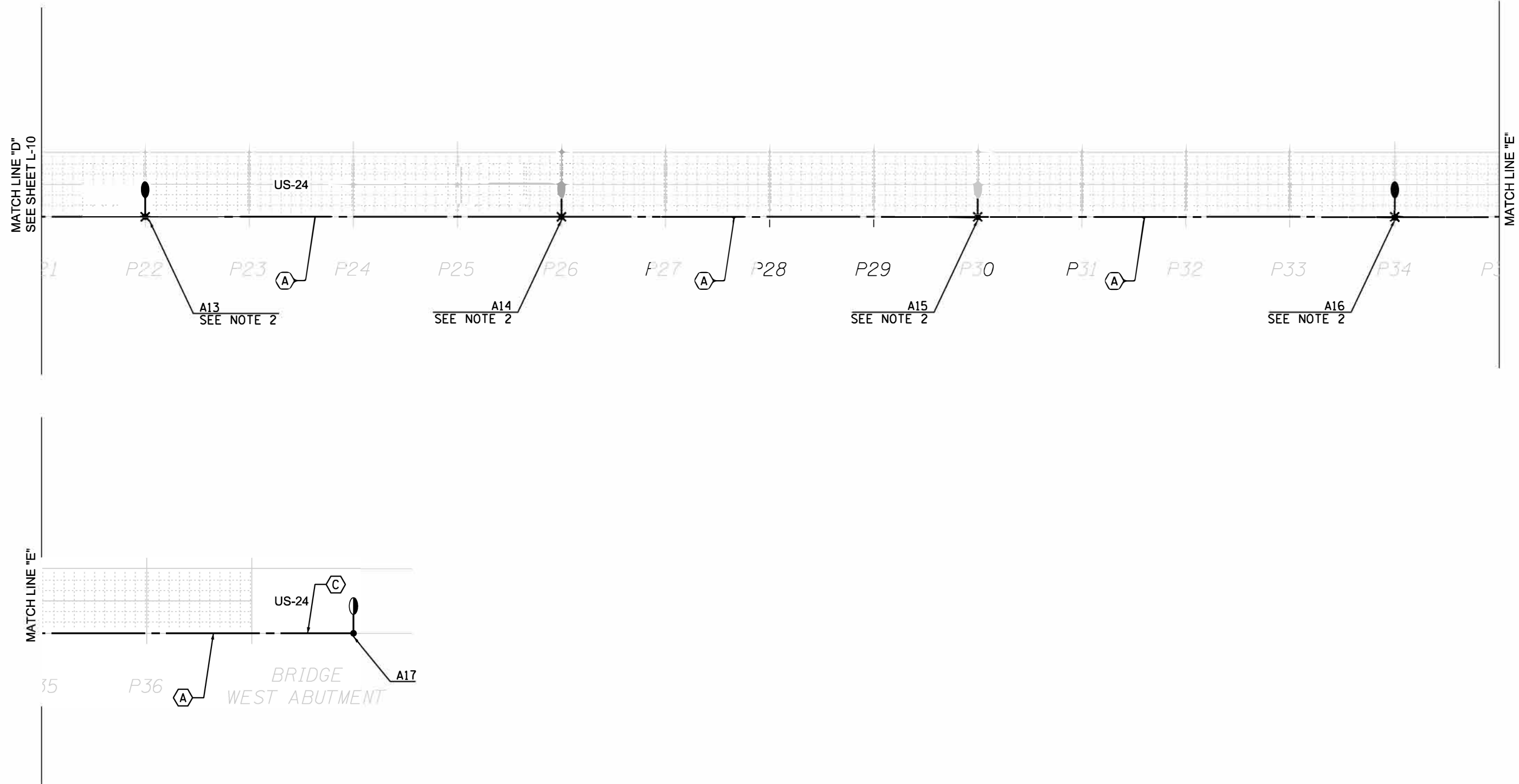
**PROPOSED ROADWAY LIGHTING PLAN
QUINCY MEMORIAL BRIDGE**

SHEET 10 OF 16 SHEETS

F.A.P. RTE. 63	SECTION *	COUNTY ADAMS	TOTAL SHEETS 78	SHEET NO. 72
			CONTRACT NO. 72L58	
		ILLINOIS FED. AID PROJECT		

*(12B) BP, BRR, BJR-1, BDR, L

L-10



- NOTES:**
- FOR LEGEND SEE SHEET L-1
 - INSTALL 2" TYPE LB CONDULET AT BASE OF LIGHTING UNIT. SEE DETAILS ON SHEET L-12.

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$

\$DATE\$ \$TIME\$

USER NAME =	DESIGNED - MKR	REVISED -
	CHECKED - MKR	REVISED -
PLOT SCALE = 1"=50'	DRAWN - MRT	REVISED -
PLOT DATE =	CHECKED -	REVISED -

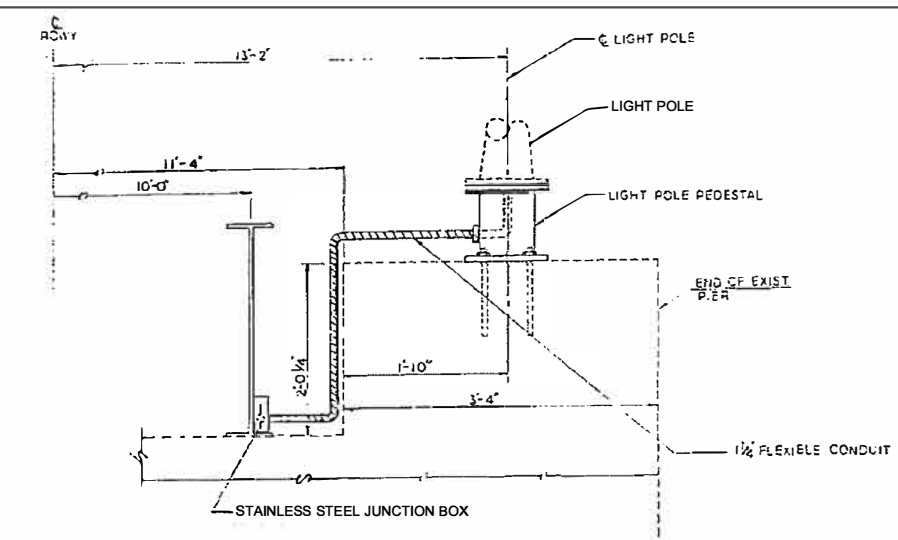
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADWAY LIGHTING PLAN
QUINCY MEMORIAL BRIDGE**

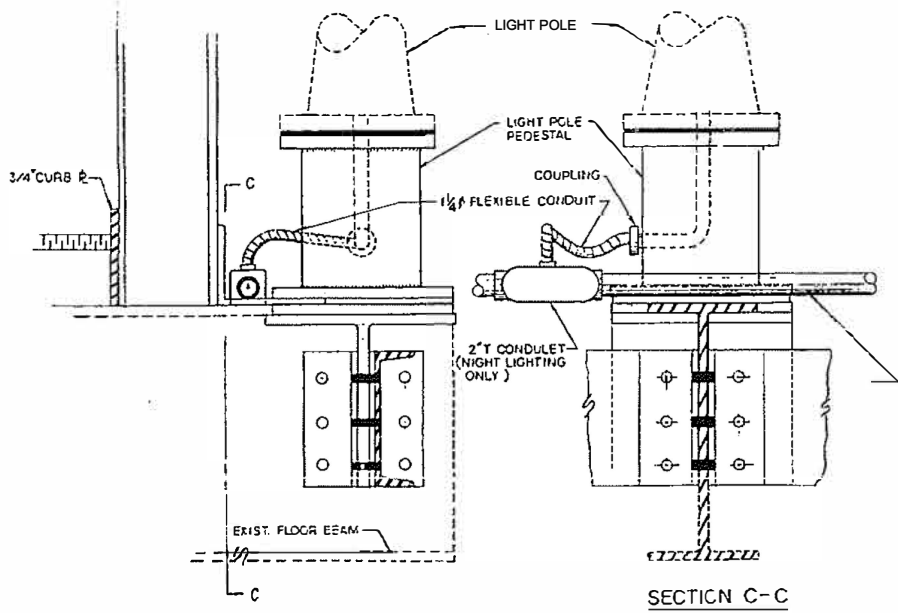
SHEET 11 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	73
CONTRACT NO. 72L58				

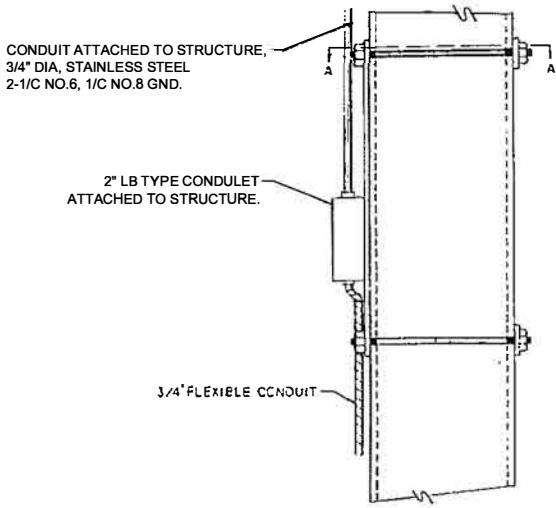
ILLINOIS FED. AID PROJECT



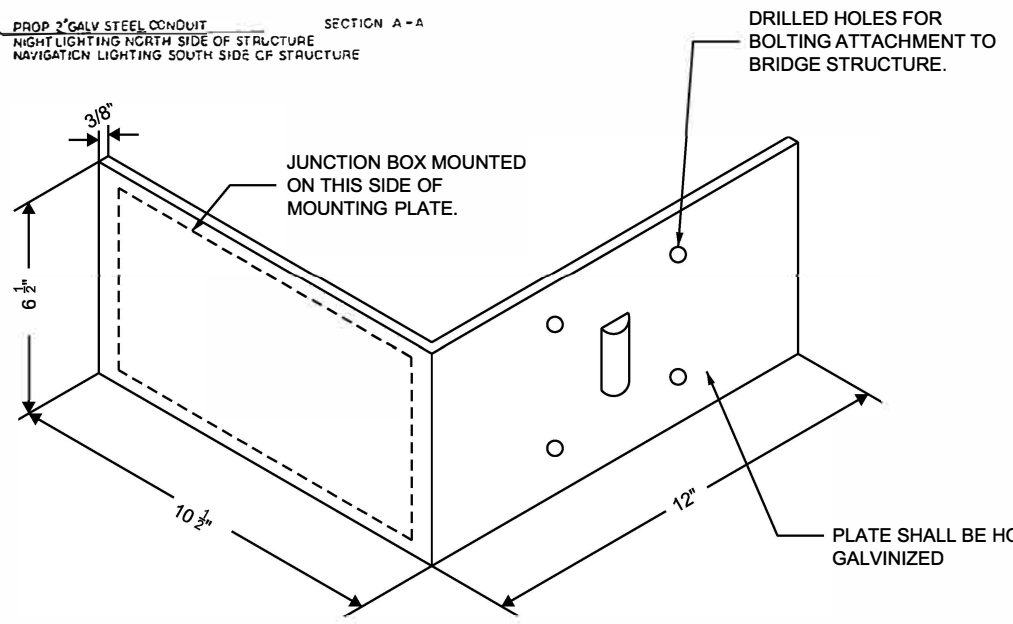
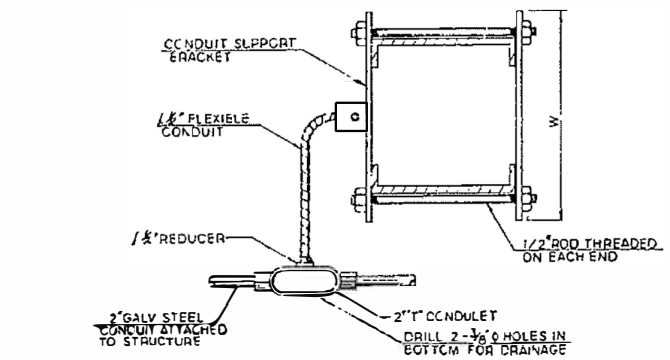
ELEVATION
SHOWING LIGHT POLE LOCATIONS AT
(PIERS 22, 26, 30 & 34)



ELEVATION



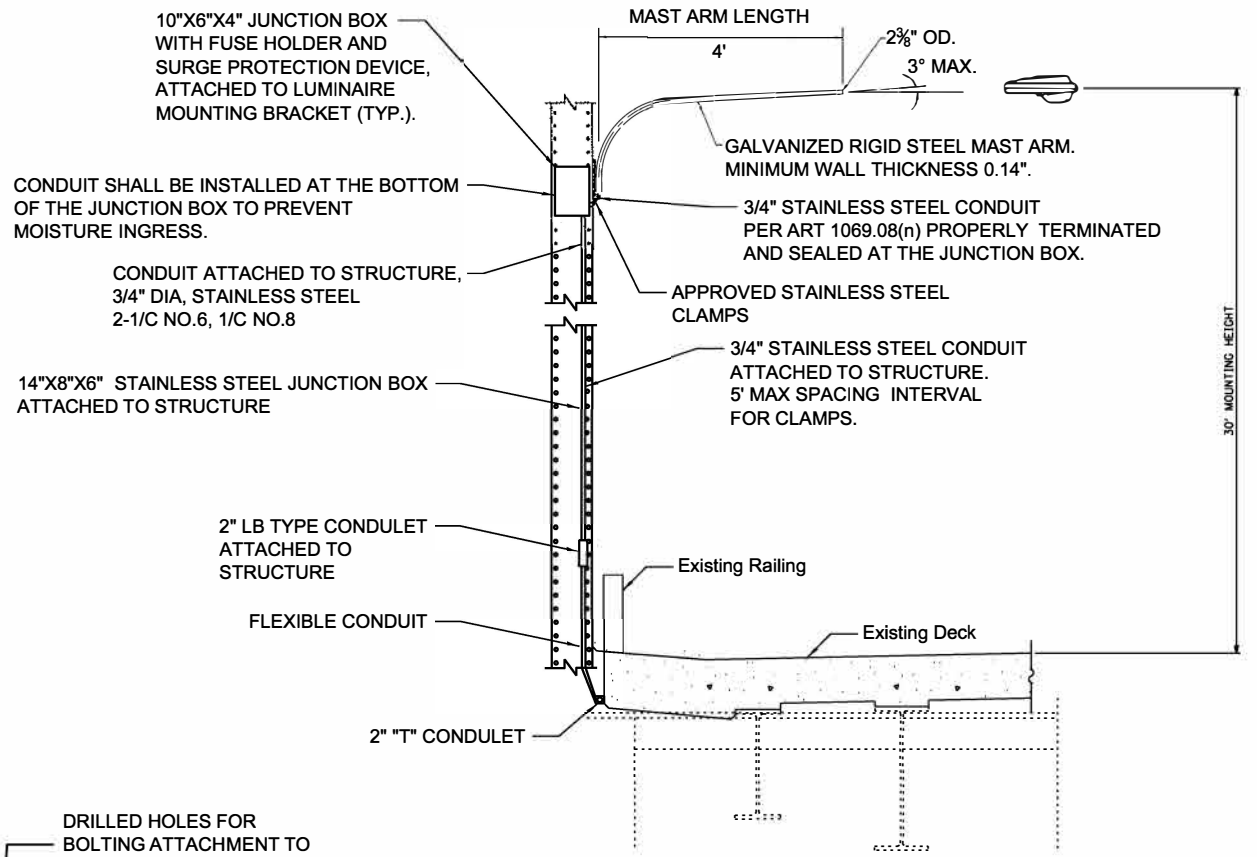
ELEVATION



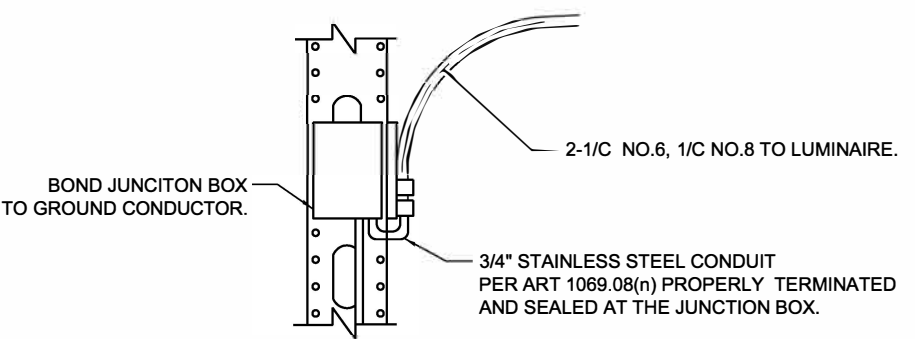
LUMINAIRE MOUNTING BRACKET DETAIL (SIDE VIEW)

NOTES:

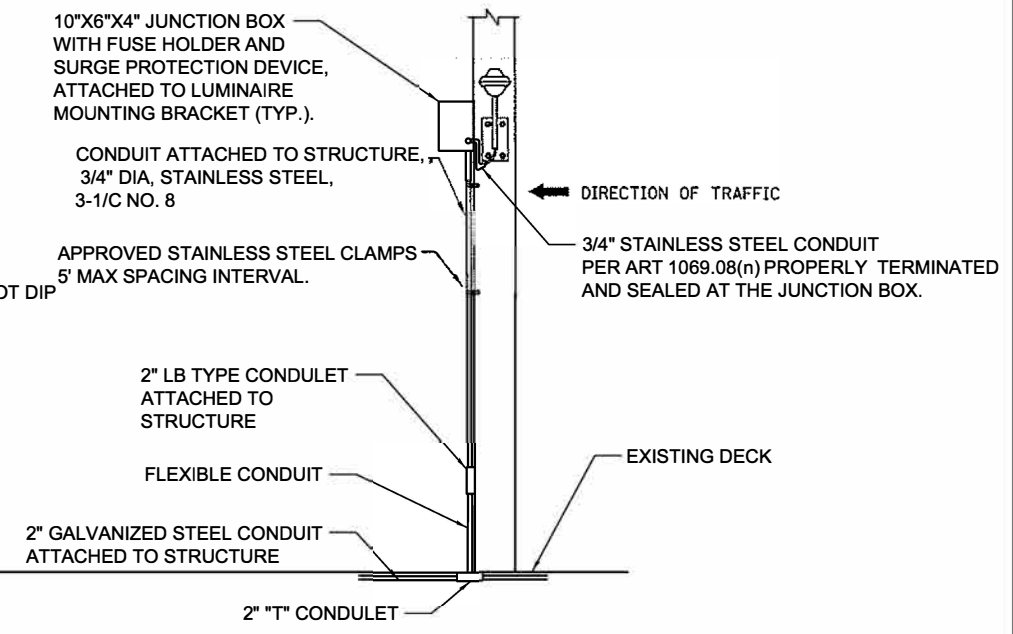
- CONTRACTOR SHALL FIELD VERIFY PROPOSED LUMINAIRE MOUNTING BRACKET SIZE AND DIMENSIONS FOR ADEQUATE FITMENT ONTO BRIDGE COLUMNS.



LIGHTING DETAIL - 1



10"X6"X4" JUNCTION BOX DETAIL



LIGHTING DETAIL - 2

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$

USER NAME =	DESIGNED - MKR	REVISED -
CHECKED - MKR	REVISED -	
PLOT SCALE =	DRAWN - MRT	REVISED -
PLOT DATE =	CHECKED -	REVISED -

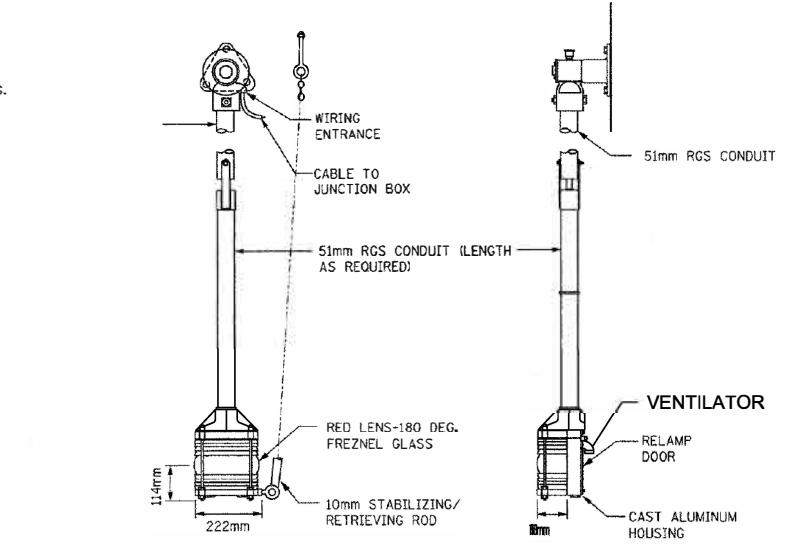
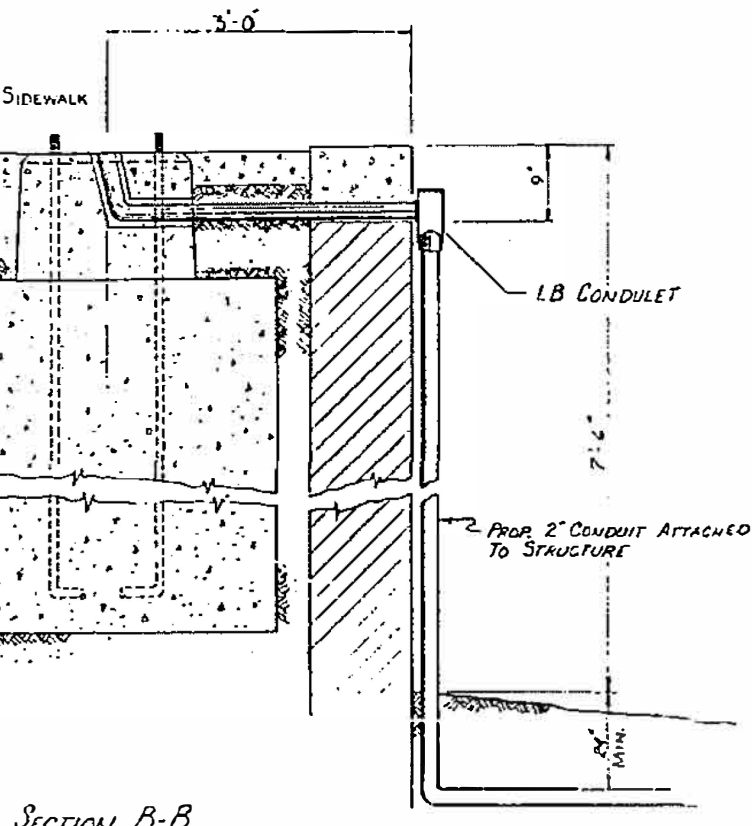
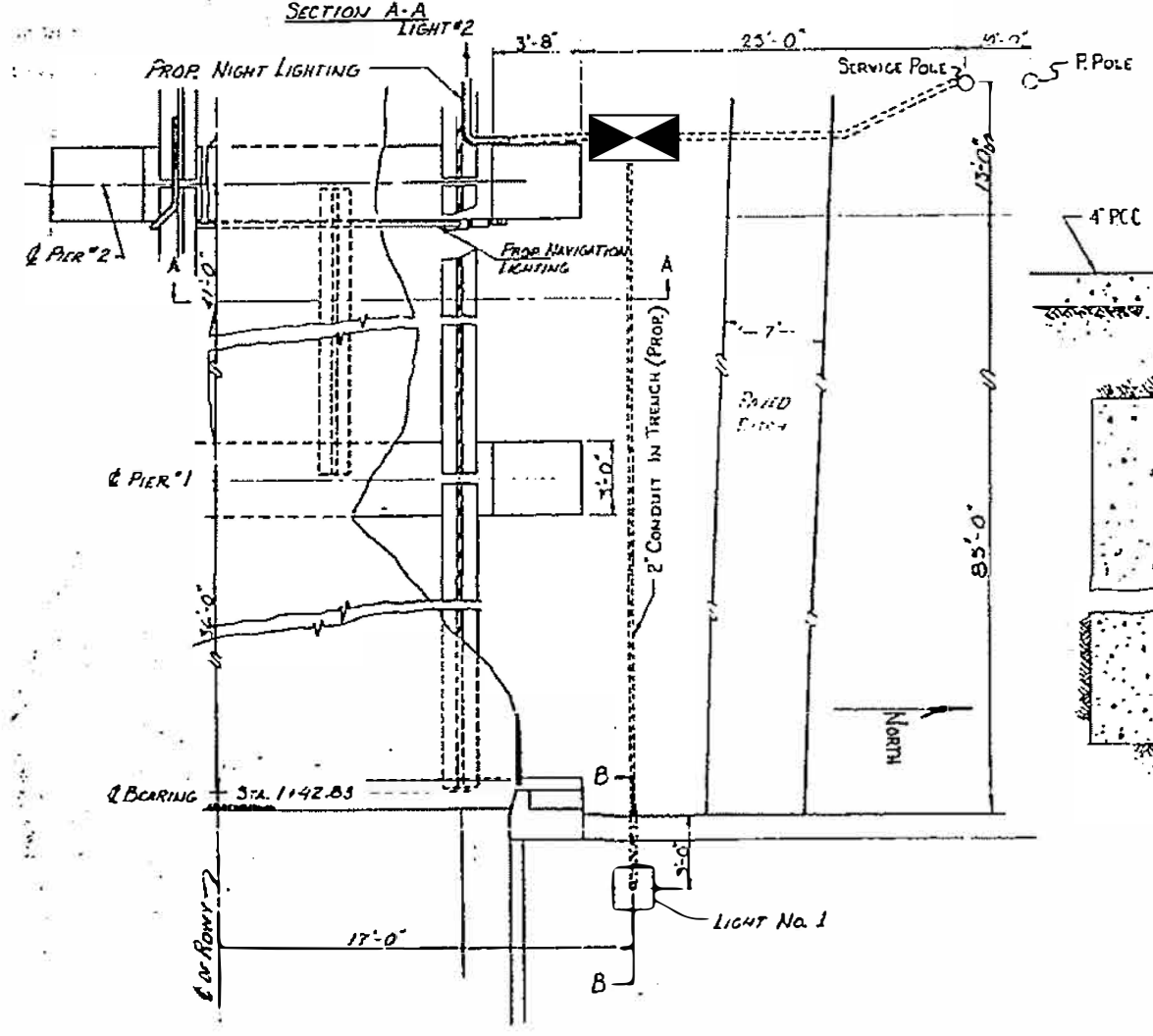
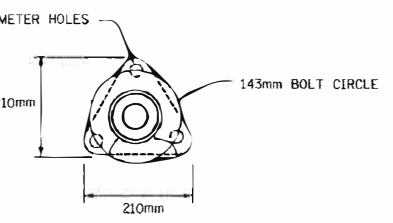
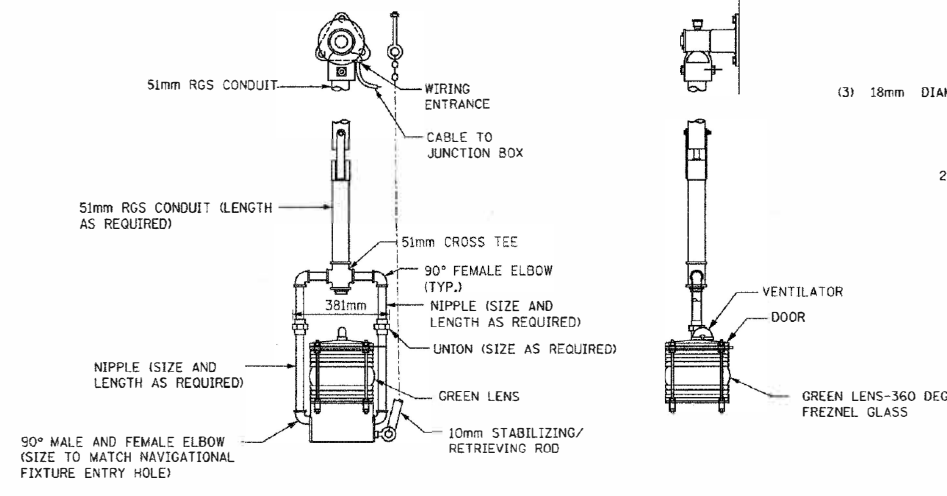
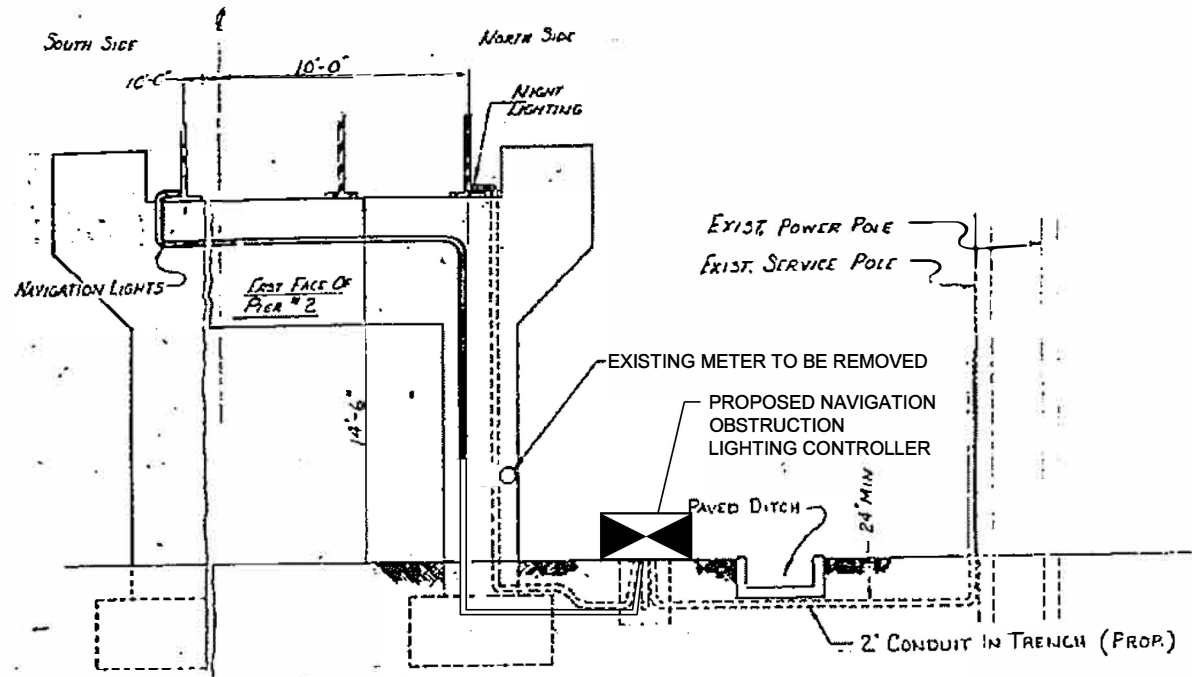
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING DETAILS
QUINCY MEMORIAL BRIDGE**

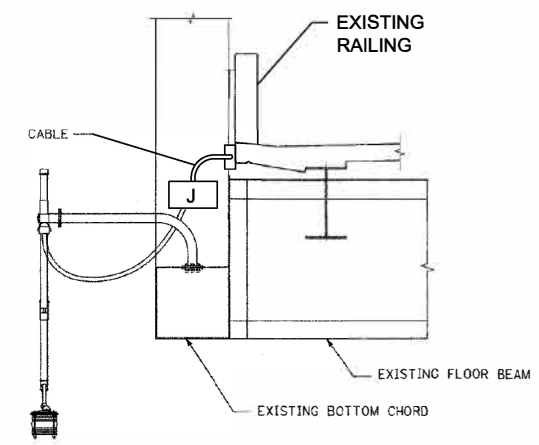
SHEET 12 OF 16 SHEETS

F.A.P. RTE. 63	SECTION *	COUNTY ADAMS	TOTAL SHEETS 78	SHEET NO. 74
CONTRACT NO. 72L58				

IL/INOIS FED. AID PROJECT



RED PIVOT-TYPE DUPLEX LIGHT WITH LAMP OUT RELAY CIRCUIT (2)



BRIDGE NAVIGATIONAL LIGHT ELEVATION VIEW (TYPICAL)

NAVIGATION OBSTRUCTION LIGHTING CONTROLLER DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
QUINCY MEMORIAL BRIDGE

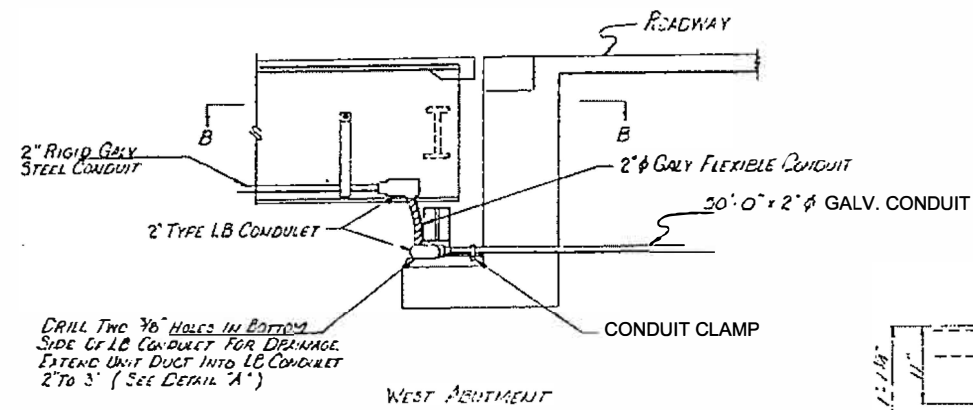
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	75
CONTRACT NO. 72L58				

SHEET 13 OF 16 SHEETS

*(12B) BP, BRR, BJR-1, BDR, L

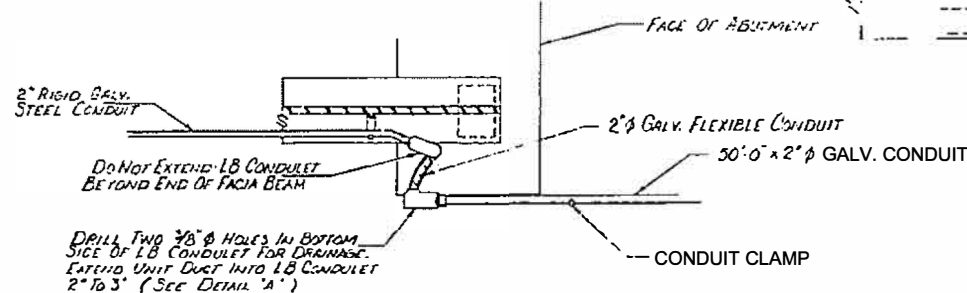
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FILE NAME: \$FILEL\$

SDATES STI MES



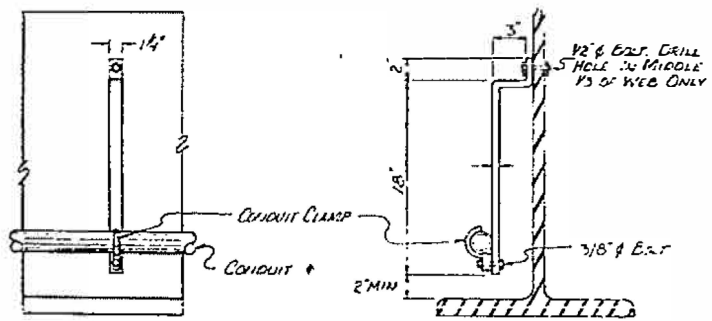
DRILL TWO 3/8\"/>

WEST ABUTMENT

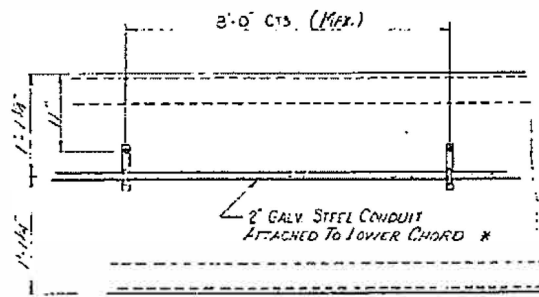


DRILL TWO 3/8\"/>

SECTION 'B-B'

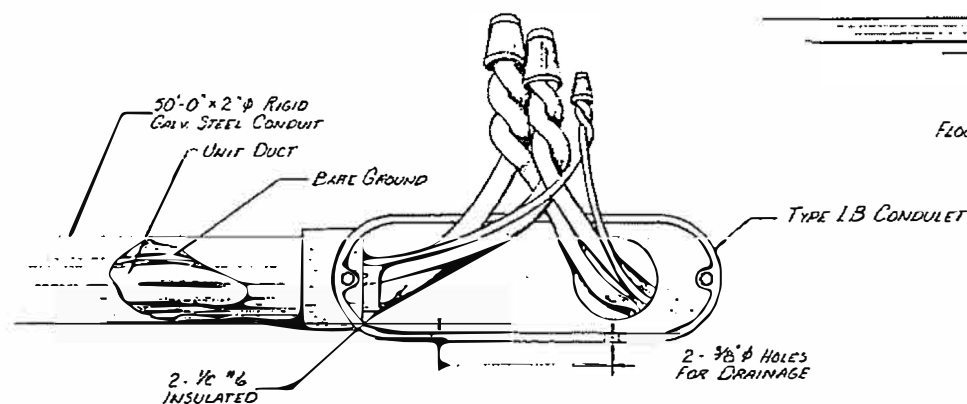


CONDUIT SUPPORT BRACKET (STRINGER SPANS)
 CONDUIT CLAMPS SHALL BE MALLEABLE IRON. LOCKNUTS, BOLTS, AND WASHERS SHALL BE STAINLESS STEEL. 1/4\"/>

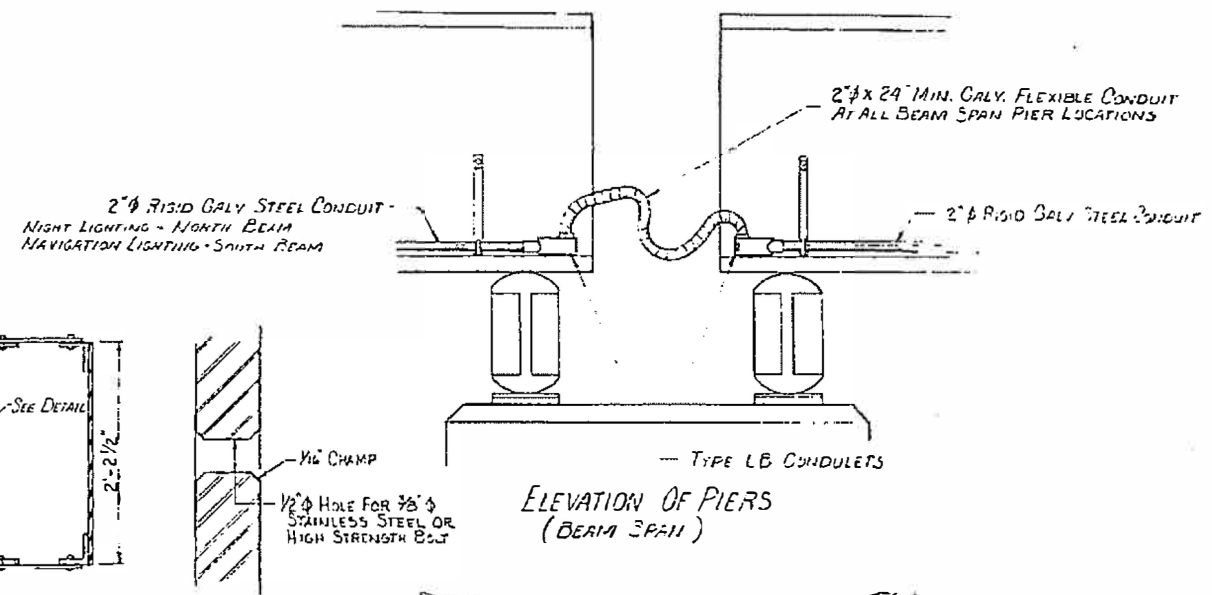


TRUSS SPAN BRACKETS

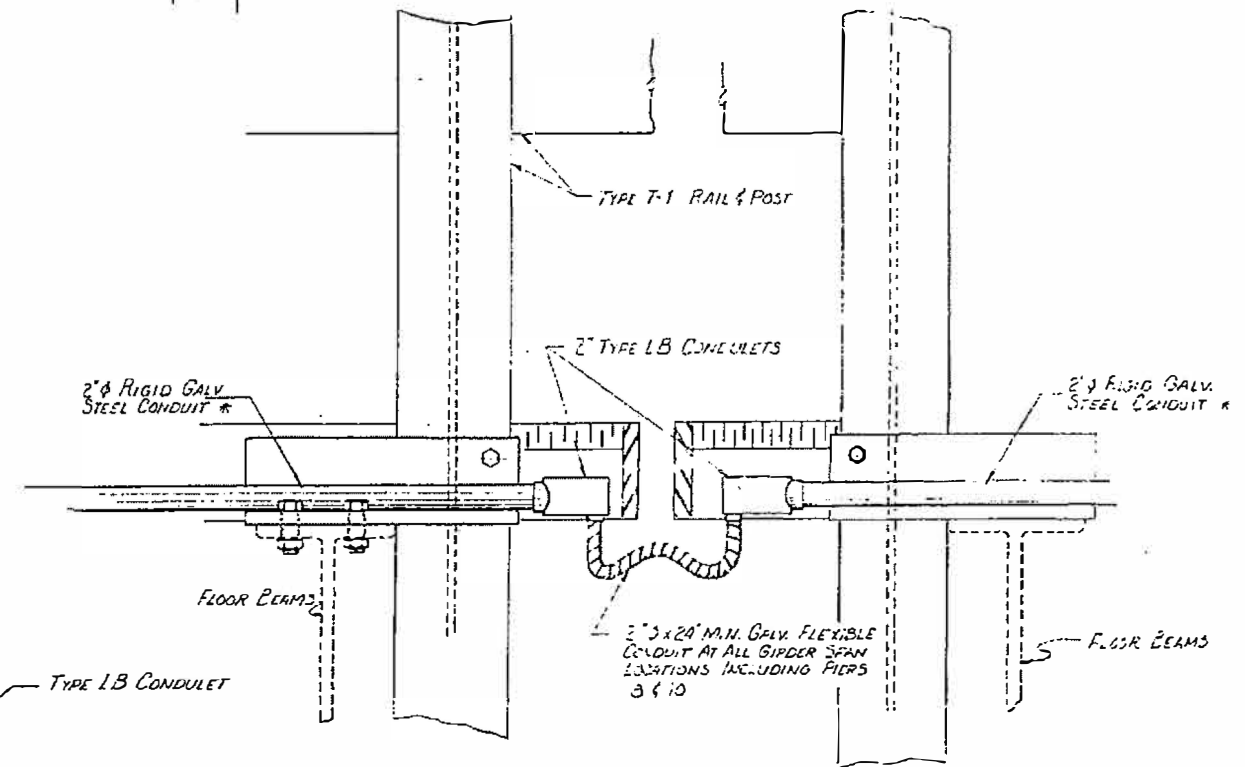
* NIGHT LIGHTING - NORTH SIDE OF STRUCTURE
 NAVIGATION LIGHTING - SOUTH SIDE OF STRUCTURE



DETAIL 'A'



ELEVATION OF PIERS
 (BEAM SPAN)



ELEVATION PLAN OF PIERS
 (GIRDER SPANS)

MODEL: S:\MODEL\NAMES
 FILE NAME: SFILES

SDATES STIMES

USER NAME	DESIGNED - MKR	REVISED -
CHECKED - MKR	REVISIONS -	
PLOT SCALE	DRAWN - MRT	REVISED -
PLOT DATE	CHECKED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

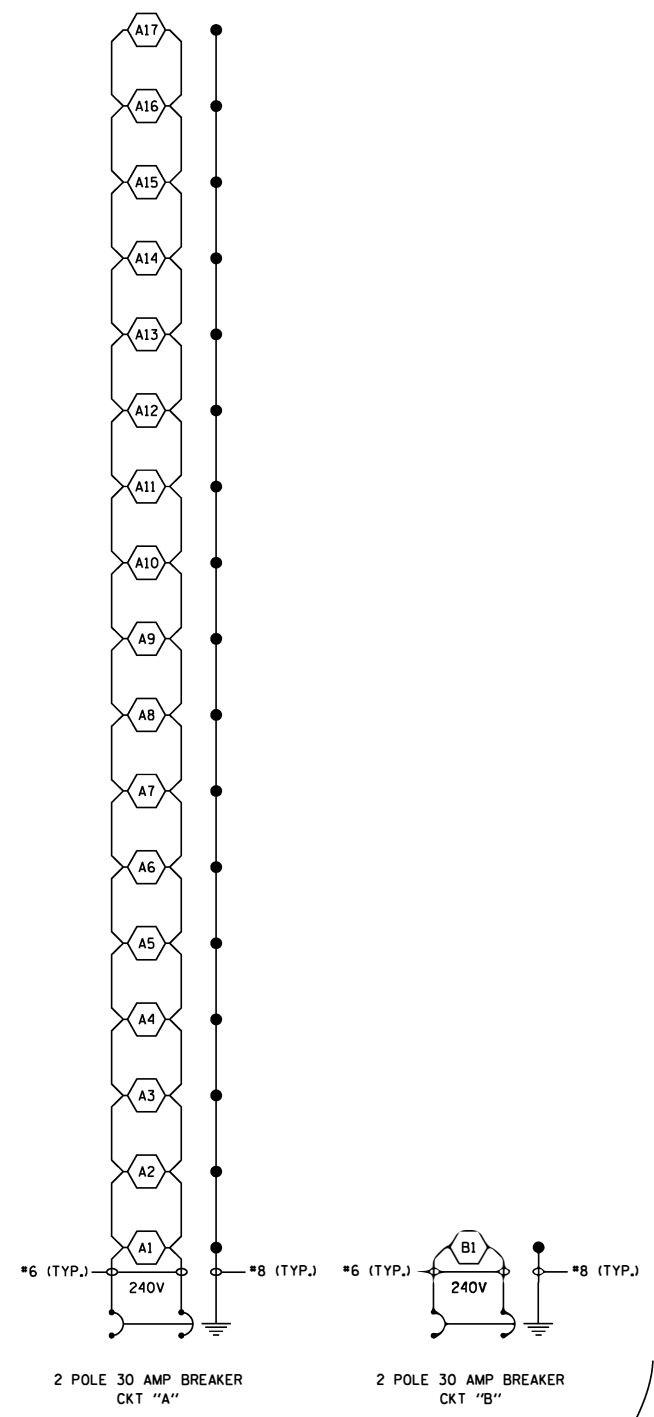
LIGHTING DETAILS
 QUINCY MEMORIAL BRIDGE

SHEET 14 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	76
			CONTRACT NO. 72L58	

ILLINOIS FED. AID PROJECT

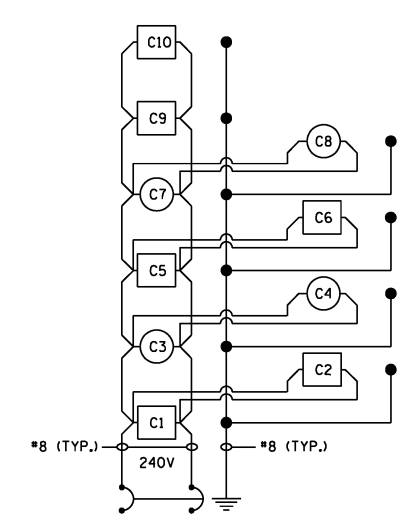
L-14



2 POLE 30 AMP BREAKER
CKT "A"

2 POLE 30 AMP BREAKER
CKT "B"

ROADWAY LIGHTING
CIRCUITS



2 POLE 30 AMP BREAKER
CKT "C"

NAVIGATION LIGHTING
CIRCUITS

NAVIGATION OBSTRUCTION LIGHTING CONTROLLER
I-74 MURRY BAKER BRIDGE AT PIER 4
BASE MOUNT, 240V

LEGEND

- PROPOSED LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E. NUMBER INSIDE INDICATES CIRCUIT NUMBER.
- PROPOSED GREEN WATERWAY OBSTRUCTION WARNING LUMINAIRE.
- PROPOSED RED WATERWAY OBSTRUCTION WARNING LUMINAIRE.
- GROUND ROD.

NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$

SDATES \$TIMES\$

USER NAME =	DESIGNED - MKR	REVISED -
	CHECKED - MKR	REVISED -
PLOT SCALE =	DRAWN - MRT	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAM
QUINCY MEMORIAL BRIDGE

SHEET 15 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	77
			CONTRACT NO. 72L58	
		ILLINOIS	FED. AID PROJECT	

*(12B) BP, BRR, BJR-1, BDR, L

Project

Date	Contract Number	Section Number	County
08/14/20	72L58	(1ZB) BP, BRR, BJR	Adams

Marked Route Number	Municipality
US-24	

Roadway

Lane Width	# of Lanes	Median Width	I.E.S. Surface Classification	Q-Zero Value
15	2	N/A	R3	0.07

Structure

Mounting Height	Arm Length	Set-Back	Number of Luminaires (Highmast & Sign Lighting Only)
30 FT.	6 FT.	2 FT.	N/A

Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution
LED, OUTPUT DESIGNATION E	TYPE III	MEDIUM

Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol
0.7	U=0	N/A	0-10V

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
220 FT.	1 SIDED

Performance

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE}/E_{MIN}

Average Luminance, L_{AVE} (cd/m ²)	Uniformity Ratio, L_{AVE}/L_{MIN}	Uniformity Ratio, L_{MAX}/L_{MIN}	Veiling Luminance Ratio, L_v/L_{AVE}
0.4	3.5	6.0	0.3

Light Trespass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E_H	Max. Vertical Illuminance at ROW, E_v
N/A	N/A	N/A

Notes

1. Set-Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
2. Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to the roadway.
3. Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
4. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

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**LUMINAIRE PERFORMANCE TABLE
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E**

Project

Date	Contract Number	Section Number	County
08/14/20	72L58	(1ZB) BP, BRR, BJR	Adams

Marked Route Number	Municipality
US-24	

Roadway

Lane Width	# of Lanes	Median Width	I.E.S. Surface Classification	Q-Zero Value
15	2	N/A	R3	0.07

Structure

Mounting Height	Arm Length	Set-Back	Number of Luminaires (Highmast & Sign Lighting Only)
30 FT.	4 FT.	N/A	N/A

Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution
LED, OUTPUT DESIGNATION E	TYPE III	MEDIUM

Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol
0.7	U=0	N/A	0-10V

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
220 FT.	1 SIDED

Performance

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE}/E_{MIN}

Average Luminance, L_{AVE} (cd/m ²)	Uniformity Ratio, L_{AVE}/L_{MIN}	Uniformity Ratio, L_{MAX}/L_{MIN}	Veiling Luminance Ratio, L_v/L_{AVE}
0.4	3.5	6.0	0.3

Light Trespass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E_H	Max. Vertical Illuminance at ROW, E_v
N/A	N/A	N/A

Notes

1. Set-Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
2. Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to the roadway.
3. Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
4. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

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**LUMINAIRE PERFORMANCE TABLE
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E
TRUSS MOUNTED**

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$

\$DATES \$TIMES

USER NAME =	DESIGNED - MKR	REVISED -
	CHECKED - MKR	REVISED -
PLOT SCALE =	DRAWN - MRT	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LUMINAIRE PERFORMANCE TABLE
QUINCY MEMORIAL BRIDGE**

SHEET 16 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	*	ADAMS	78	78
			CONTRACT NO. 72L58	
		ILLINOIS FED. AID PROJECT		

*(1ZB) BP, BRR, BJR-1, BDR, L