

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	(76-00221-00)BR-1	PIATT	30	1
		ILLINOIS	CONTRACT NO. 70E65	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR SUMMARY OF QUANTITIES, SEE SHEET NOS. 3 - 5

CURRENT
TRAFFIC DATA

PIATT CO. LINE TO IL 32

2017 ADT: 750

2031 ADT: 850

PU + PC% = 81.3

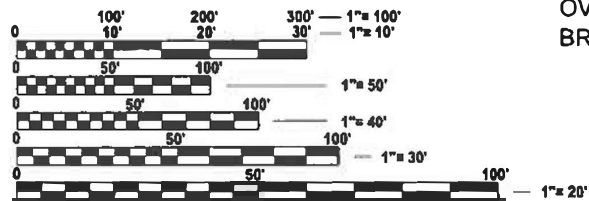
SU% = 10.7

MU% = 8.0

PROPOSED
HIGHWAY PLANS

FAP ROUTE 760 (IL-32)
SECTION (76-00221-00)BR-1
PROJECT BR-JWT1(008)
BRIDGE DECK OVERLAY
PIATT COUNTY

C-95-077-20



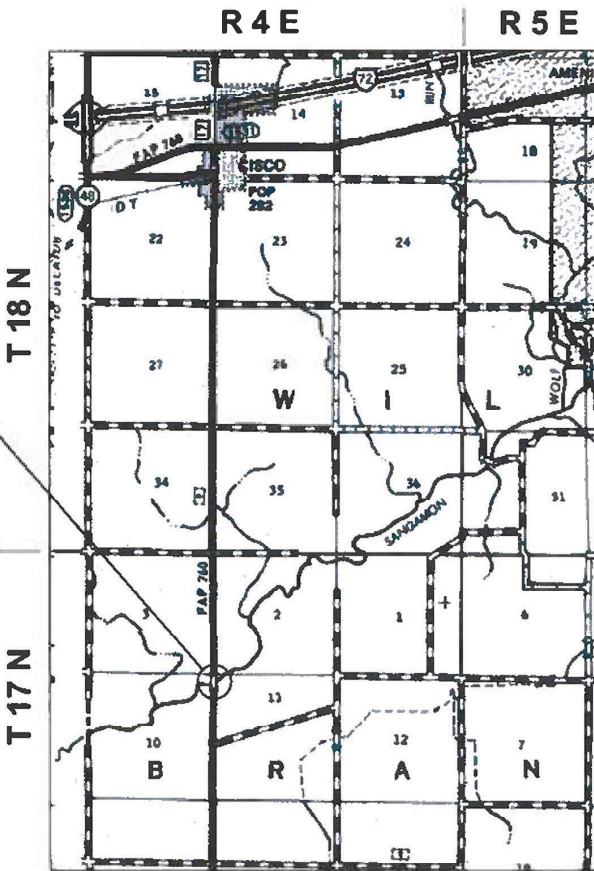
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

TOWNSHIP: WILLOW BRANCH

PROJECT ENGINEER: TIM BRANDENBURG
PROJECT MANAGER: ERIC SHAWLER
PHONE NUMBER: (217)465-4181
CONTRACT NO. 70E65

EX S.N. 074-3171
FAP 760 (IL-32) STA. 9+86.00
OVER THE SANGAMON RIVER
BRIDGE DECK CONCRETE OVERLAY



GROSS LENGTH = 1,000.00 FT. = 0.189 MILE
NET LENGTH = 1,000.00 FT. = 0.189 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED July 29, 2025
[Signature] REGIONAL ENGINEER

October 3, 2025
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

October 3, 2025
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS
2	LIST OF STANDARDS
2	GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-27	STRUCTURE PLANS S.N. 074-3171
28	TEMPORARY CONCRETE BARRIER LAYOUT
29-30	DETAILS FOR WIDTH RESTRICTION SIGNING

LIST OF STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND FOOT
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
667101-02	PERMANENT SURVEY MARKERS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM EDGE OF PAVEMENT
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > = 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701321-19	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701901-10	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER

GENERAL NOTES

G.N.-100

ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-105.09A

ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-406H

MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

Location	IL 32	IL 32
Mixture Use	Base Course Option	Base Course Option
	Bottom Binder	Surface (top 1-1/2")
AC/PG	PG 64-22	PG 64-22
Design Air Voids	4.0% @ Ndes=50	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 19.0	IL 9.5
Friction Aggregate	N.A.	Mix C
Mixture Weight	112	112
Quality Management Program	QC/QA	QC/QA
Sublot Size	3000	3000
Material Transfer Device (Required ?)	NO	NO

SEE R.E. FILE FOR CALCULATIONS.

THERE ARE NO COMMITMENTS ASSOCIATED WITH THIS PROJECT.

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	USER NAME = eric.shawler	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, LIST OF STANDARDS, GENERAL NOTES & COMMITMENTS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				760	(76-00221-00)BR-1	PIATT	30	2
		CHECKED -	REVISED -				CONTRACT NO. 70E65				
	PLOT DATE = 7/25/2025	DATE -	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED.AID PROJECT		

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			PIATT CO.
			FAP 760 (IL-32)
			RURAL / TWO-LANE
			BRIDGE DECK OVERLAY
			S.N. 074-3171
			80% FED.\ 20% STATE
			0059
CODE			
NO.	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	64.0
28100205	STONE RIPRAP, CLASS A3	TON	15.0
50102400	CONCRETE REMOVAL	CU YD	15.7
50300255	CONCRETE SUPERSTRUCTURE	CU YD	27.1
50300300	PROTECTIVE COAT	SQ YD	1,847.0
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	10.6
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	6,220.0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6,950.0
50800515	BAR SPLICERS	EACH	32.0
52000110	PREFORMED JOINT STRIP SEAL	FOOT	86.0
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	10.0
52100520	ANCHOR BOLTS, 1"	EACH	40.0
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	4.1
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6.0

* SPECIALTY ITEMS

	USER NAME = eric.shawler	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES S.N. 074-3171			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					760	(76-00221-00)BR-1	PIATT	30	3
		CHECKED -	REVISED -					CONTRACT NO. 70E64				
	PLOT DATE = 7/25/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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			PIATT CO.
			FAP 760 (IL-32)
			RURAL / TWO-LANE
			BRIDGE DECK OVERLAY
			S.N. 074-3171
			80% FED.\ 20% STATE
			0059
CODE			
NO.	ITEM	UNIT	QUANTITY
67100100	MOBILIZATION	L SUM	1.0
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1.0
70106700	TEMPORARY RUMBLE STRIPS	EACH	12.0
70400100	TEMPORARY CONCRETE BARRIER	FOOT	762.5
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	762.5
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2.0
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2.0
X3550101	BASE COURSE (OPTION)	SQ YD	381.0
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1,223.0
X5051204	STRUCTURAL STEEL REMOVAL	POUND	4,140.0
X5051206	STRUCTURAL STEEL REPAIR	POUND	3,220.0
* X6330200	VERTICAL ADJUSTMENT OF TRAFFIC BARRIER TERMINAL	EACH	4.0
* SPECIALTY ITEMS			

	USER NAME = eric.shawler	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES S.N. 074-3171			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					760	976-00221-00)BR-1	PIATT	30	4
		CHECKED -	REVISED -					CONTRACT NO. 70E65				
	PLOT DATE = 7/29/2025	DATE -	REVISED -		SCALE:	SHEET 2	OF 3	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

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			PIATT CO.
			FAP 760 (IL-32)
			RURAL / TWO-LANE
			BRIDGE DECK OVERLAY
			S.N. 074-3171
			80% FED.\ 20% STATE
			0059
CODE			
NO.	ITEM	UNIT	QUANTITY
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1.0
Z0001495	BRIDGE APPROACH SHOULDER REMOVAL	SQ YD	37.5
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	10.0
Z0004556	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	267.0
Z0012111	BRIDGE DECK FLY ASH OR GGBF SLAG CONCRETE OVERLAY, 2 1/2"	SQ YD	1,631.0
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1,631.0
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	42.7
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	3.2
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	88.6
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,466.0
Z0038700	PERMANENT BENCH MARKS	EACH	1.0

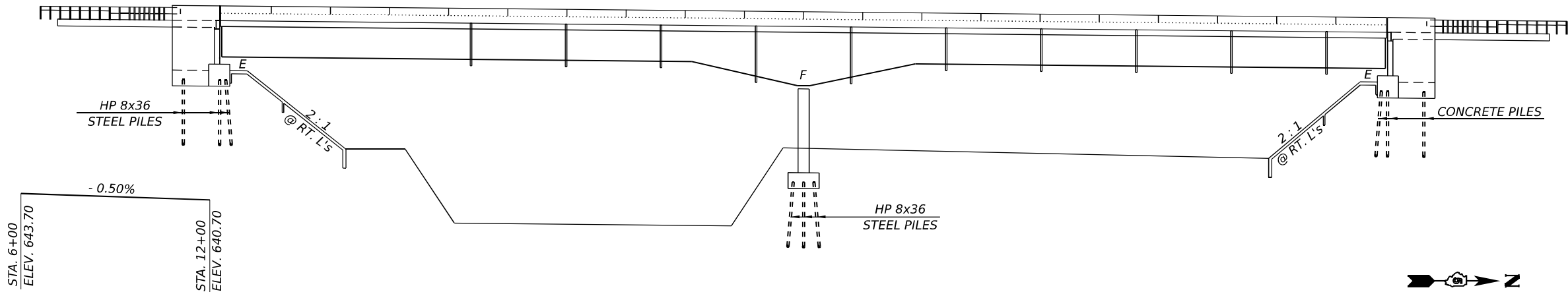
* SPECIALTY ITEMS

	USER NAME = eric.shawler	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES S.N. 074-3171			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					760	(76-00221-00)BR-1	PIATT	30	5
		CHECKED -	REVISED -					CONTRACT NO. 70E65				
	PLOT DATE = 7/29/2025	DATE -	REVISED -		SCALE:	SHEET 3	OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

STRUCTURE NO. 074-3171 WAS ORIGINALLY BUILT AS FAP RTE. 760, SEC. 76-00221-00-BR IN 1978 AT STATION 9+86.00 BY THE STATE OF ILLINOIS IN PIATT COUNTY. THE STRUCTURE IS TWO CONTINUOUS SPANS, 2 @ 183'-0", WITH A CONTINUOUS STEEL MULTI-BEAMS GIRDER AND A 7½" REINFORCED CONCRETE DECK. SUPPORTED ON OPEN ABUTMENTS AND A SOLID CONCRETE PIER. THE STRUCTURES BACK TO BACK OF ABUTMENT LENGTH IS 372'-0" AN OUT TO OUT WIDTH OF 36'-0" AND IS SKEWED 30 DEGREES RIGHT FORWARD. IN 2015 THE STRUCTURE WAS PATCHED AND THE DECK DRAINS WERE REPLACED UNDER DAY LABOR PROJECT 15F503.

WORK SHALL BE COMPLETED WITH STAGE CONSTRUCTION.

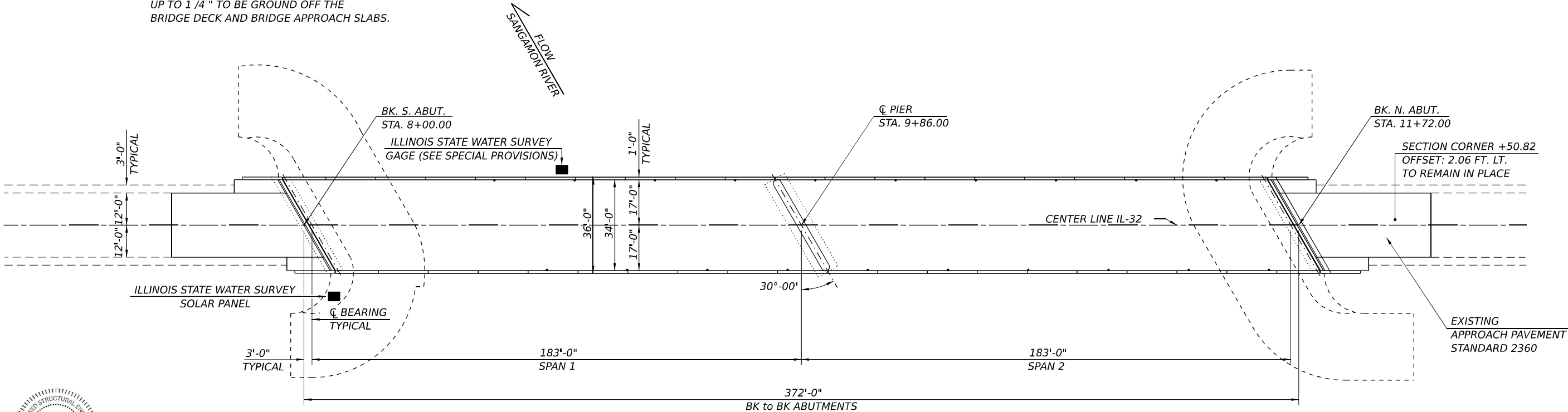
GENERAL PLAN & ELEVATION
S.N. 074-3171



ROADWAY PROFILE

UP TO 1 / 4 " TO BE GROUND OFF THE
BRIDGE DECK AND BRIDGE APPROACH SLABS.

ELEVATION VIEW



EXPIRES 11-30-2026

Jayne F. Schiff

PLAN VIEW

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
S.N. 074-3171

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	(76-00221-00)BR-1	PIATT	30	6
CONTRACT NO. 70E65				
ILLINOIS FED. AID PROJECT				

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USER NAME = eric.shawler	DESIGNED -	REVISED -
	DRAWN - ESS	REVISED -
	CHECKED - TJB	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -

SCALE: SHEET 1 OF 22 SHEETS STA. TO STA.

SCOPE OF WORK

1.

COMPLETE BRIDGE DECK SCARIFICATION AND HMA-SURFACE REMOVAL (DECK).
2.

COMPLETE FULL-DEPTH DECK PATCHING, REMOVAL DECK ENDS, PARAPETS, AND HATCH BLOCKS.
3.

COMPLETE BRIDGE APPRAOCH SHOULDER REMOVAL.
4.

COMPLETE STRUCTURAL REPAIR OF CONCRETE ON BACK WALLS AND WINGS.
5.

COMPLETE STRUCTURAL STEEL REPAIR, REPLACE BEARINGS AND END DIAPHRAGMS.
6.

CAST DECK ENDS, PARAPET ENDS, HATCH BLOCKS AND SUPERSTRUCTURE CONCRETE (APPROACH SLAB).
7.

CAST SUPERSTRUCTURE CONCRETE FOR PARAPET AND WING WALL EXTENSION.
8.

PLACE BRIDGE DECK FLY ASH OR GGBF SLAG CONCRETE OVERLAY, 2½".
9.

COMPLETE DIAMOND GRINDING (DECK SECTION) AND BRIDGE DECK GROOVING (LONGITUDINAL).
10.

PLACE STRIP SEAL.

TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	15.7
CONCRETE SUPERSTRUCTURE	CU YD	27.1
PROTECTIVE COAT	SQ YD	1,847.0
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	6,220.0
REINFORCEMENT BARS, EPOXY COATED	POUND	6,950.0
BAR SPLICERS	EACH	32.0
PREFORMED JOINT STRIP SEAL	FOOT	86.0
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	10.0
ANCHOR BOLTS 1"	EACH	40.0
BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1,223.0
CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	10.6
BRIDGE APPROACH SHOULDER REMOVAL	SQ YD	37.5
JACK AND REMOVE EXISTING BEARINGS	EACH	10.0
STRUCTURAL STEEL REMOVAL	POUND	4,140.0
STRUCTURAL STEEL REPAIR	POUND	3,220.0
BRDIGE DECK FLY ASH OR GGBF SLAG CONCRETE OVERLAY, 2½"	SQ YD	1,631.0
BRIDGE DECK SCARIFICATION ¾"	SQ YD	1,631.0
STRUCTURAL REPAIR OF CONCRETE (DEPTH < OR = TO 5 INCHES)	SQ YD	42.7
DECK SLAB REPAIR (FULL-DEPTH, TY I)	SQ YD	3.2
DECK SLAB REPAIR (FULL-DEPTH, TY II)	SQ YD	88.6
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,466.0
PERMANENT BENCH MARKS	EACH	1.0
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	EACH	267.0

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM 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 WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

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.

PRIOR TO POURING THE NEW CONCRETE DECK, ALL RUST, MILL SCALE, AND OTHER POTENTIALLY DETRIMENTAL FOREIGN MATERIAL SHALL BE REMOVED FROM THE SURFACES IN CONTACT WITH THE CONCRETE UTILIZING PNEUMATIC NEEDLE SCALERS OR BY SAND BLASTING. AREAS CLEANED SHALL BE COATED WITH 2 COATS OF ALUMINUM EPOXY MASTIC ARTICLE 1008.03. THE COST WILL BE INCLUDED IN THE PAY ITEM COVERING REMOVAL OF THE EXISTING CONCRETE.

SYNTHETIC FIBERS SHALL BE ADDED TO THE BRIDGE DECK CONCRETE OVERLAY, SEE SPECIAL PROVISIONS.

EXISTING STRUCTURAL STEEL THAT WILL BE IN CONTACT WITH NEW STRUCTURAL STEEL SHALL BE CLEANED AND PAINTED PRIOR TO ERECTION AS REQUIRED BY THE SPECIAL PROVISION "CLEANING AND PAINTING CONTACT SURFACE AREAS OF EXISTING STEEL STRUCTURES".

ALL NEW STRUCTURAL STEEL AND BEARING ASSEMBLY SHALL BE GALVANIZED. SEE SPECIAL PROVISIONS FOR "HOT DIP GALVANIZING FOR STRUCTURAL STEEL".

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.

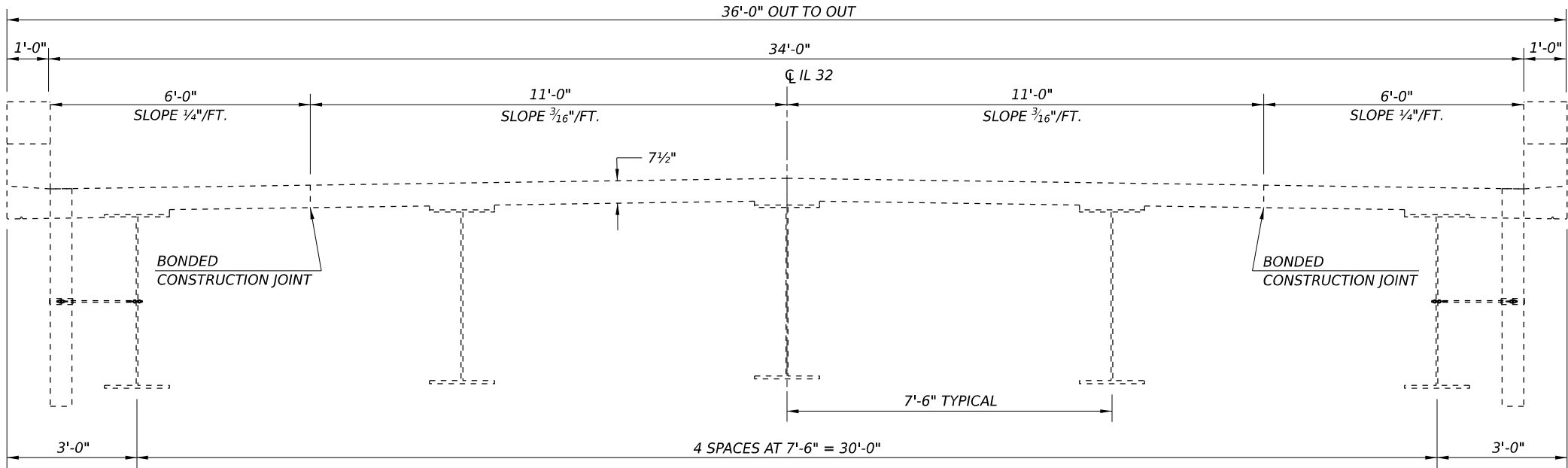
SEE SPECIAL PROVISION "DECK SLAB REPAIR" FOR ADDITIONAL REQUIREMENTS PERTAINING TO DECK SLAB REPAIR.

PROTECTIVE COAT SHALL BE APPLIED TO ALL NEW CONCRETE SUPERSTRUCTURE AND ALL NEW CONCRETE OVERLAYS AS SPECIFIED IN ARTICLE 503.19 OF THE STANDARD SPECIFICATIONS.

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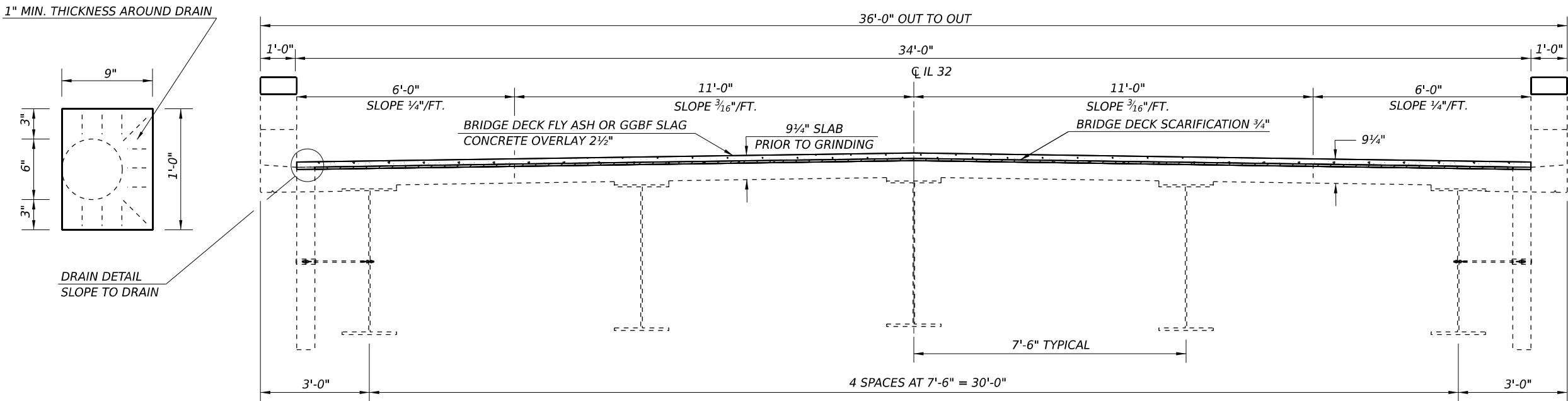
	USER NAME = eric.shawler	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCOPE OF WORK, TOTAL BILL OF MATERIALS & GENERAL NOTES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - ESS	REVISED -						760	(76-00221-00)BR-1	PIATT	30	7
		CHECKED - TJB	REVISED -						CONTRACT NO. 70E65				
	PLOT DATE = 10/2/2025	DATE -	REVISED -		SCALE:	SHEET 2	OF 22 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT		

EXISTING DECK CROSS SECTION
S.N. 074-3171



LOOKING NORTH

PROPOSED DECK CROSS SECTION
S.N. 074-3171

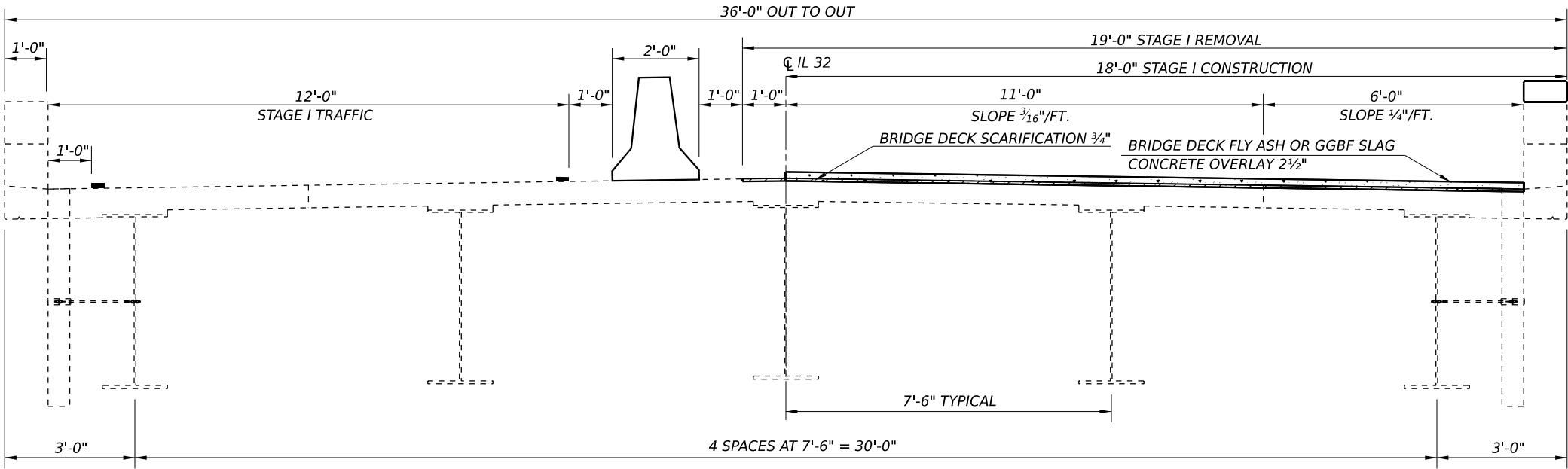


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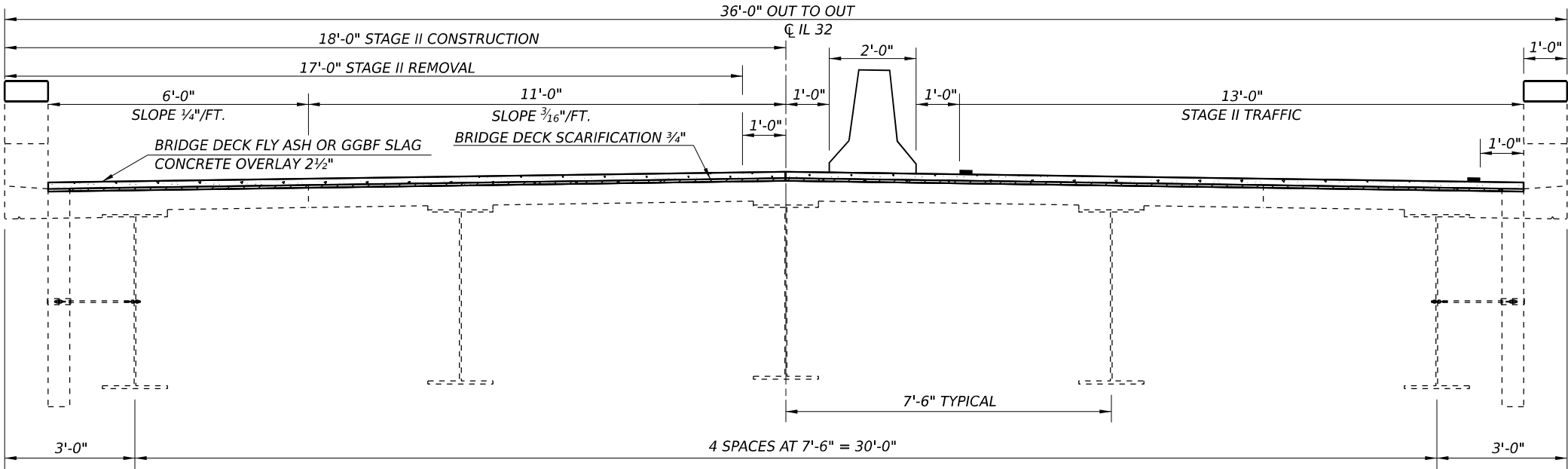
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		DRAWN - ESS	REVISED -					760	(76-00221-00)BR-1	PIATT	30	8
		CHECKED - TJB	REVISED -					CONTRACT NO. 70E65				
	PLOT DATE = 7/25/2025	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE:		SHEET 3	OF 22 SHEETS	STA.	TO STA.			

STAGE ONE CONSTRUCTION
S.N. 074-3171



LOOKING NORTH

STAGE TWO CONSTRUCTION
S.N. 074-3171



LOOKING NORTH

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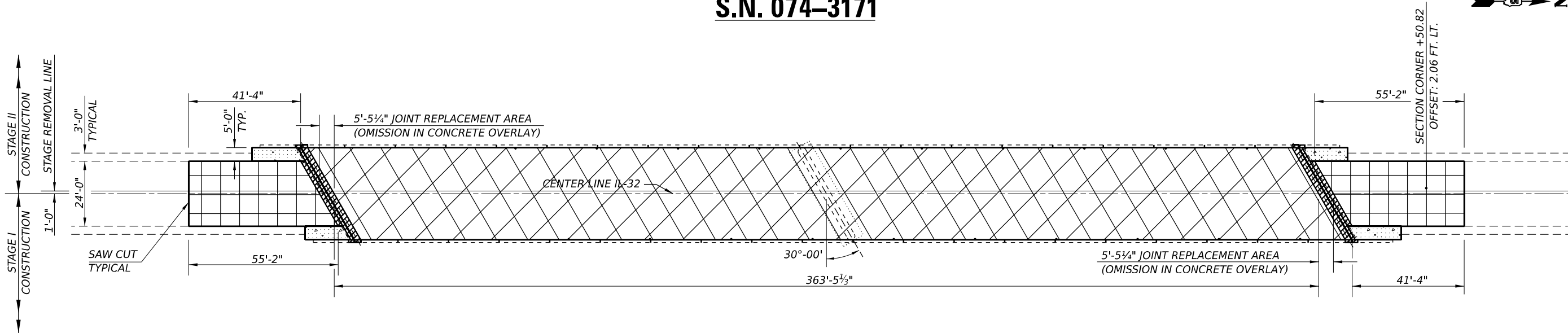
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	CHECKED - TJB	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

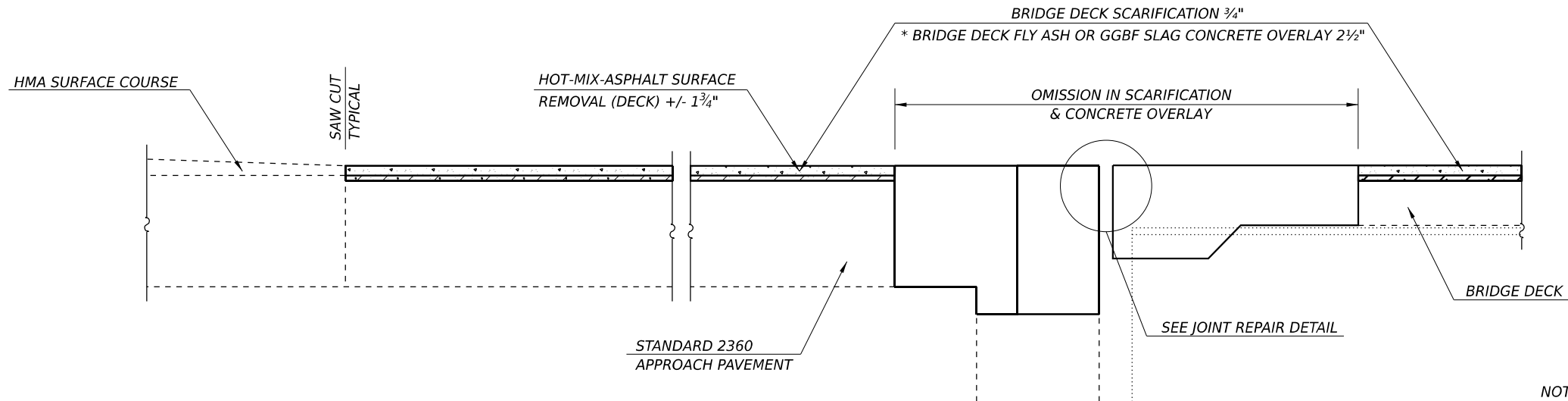
STAGE CONSTRUCTION DETAILS S.N. 074-3171			
SCALE:	SHEET 4	OF 22 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	(76-00221-00)BR-1	PIATT	30	9
CONTRACT NO. 70E65				
ILLINOIS FED. AID PROJECT				

WEARING SURFACE PLAN
S.N. 074-3171



PLAN VIEW



PROPOSED ELEVATION
(SOUTH TRANSITION SHOWN NORTH TRANSITION SIMILAR)

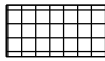
NOTE:
* PRIOR TO DIAMOND GRINDING.

BILL OF MATERIALS

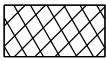
ITEM	UNIT	TOTAL
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	302.0
BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1,631.0
BRIDGE APPROACH SHOULDER REMOVAL	SQ YD	37.5
CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	10.6
BRIDGE DECK FLY ASH OR GGBF SLAG CONCRETE OVERLAY, 2 1/2"	SQ YD	1,631.0
BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1,223.0
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,631.0
PROTECTIVE COAT	SQ YD	1,631.0



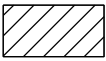
BRIDGE APPROACH SHOULDER REMOVAL &
CONCRETE SUPERSTRUCTURE (APPROACH SLAB)



HOT-MIX ASPHALT SURFACE REMOVAL (DECK)
BRIDGE DECK SCARIFICATION 3/4" &
BRIDGE DECK FLY ASH OR GGBF SLAG CONCRETE OVERLAY 2 1/2"



BRIDGE DECK SCARIFICATION 3/4" &
BRIDGE DECK CONCRETE OVERLAY 2 1/2"



CONCRETE REMOVAL &
CONCRETE SUPERSTRUCTURE

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	DRAWN - ESS	REVISED -
	CHECKED - TJB	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -

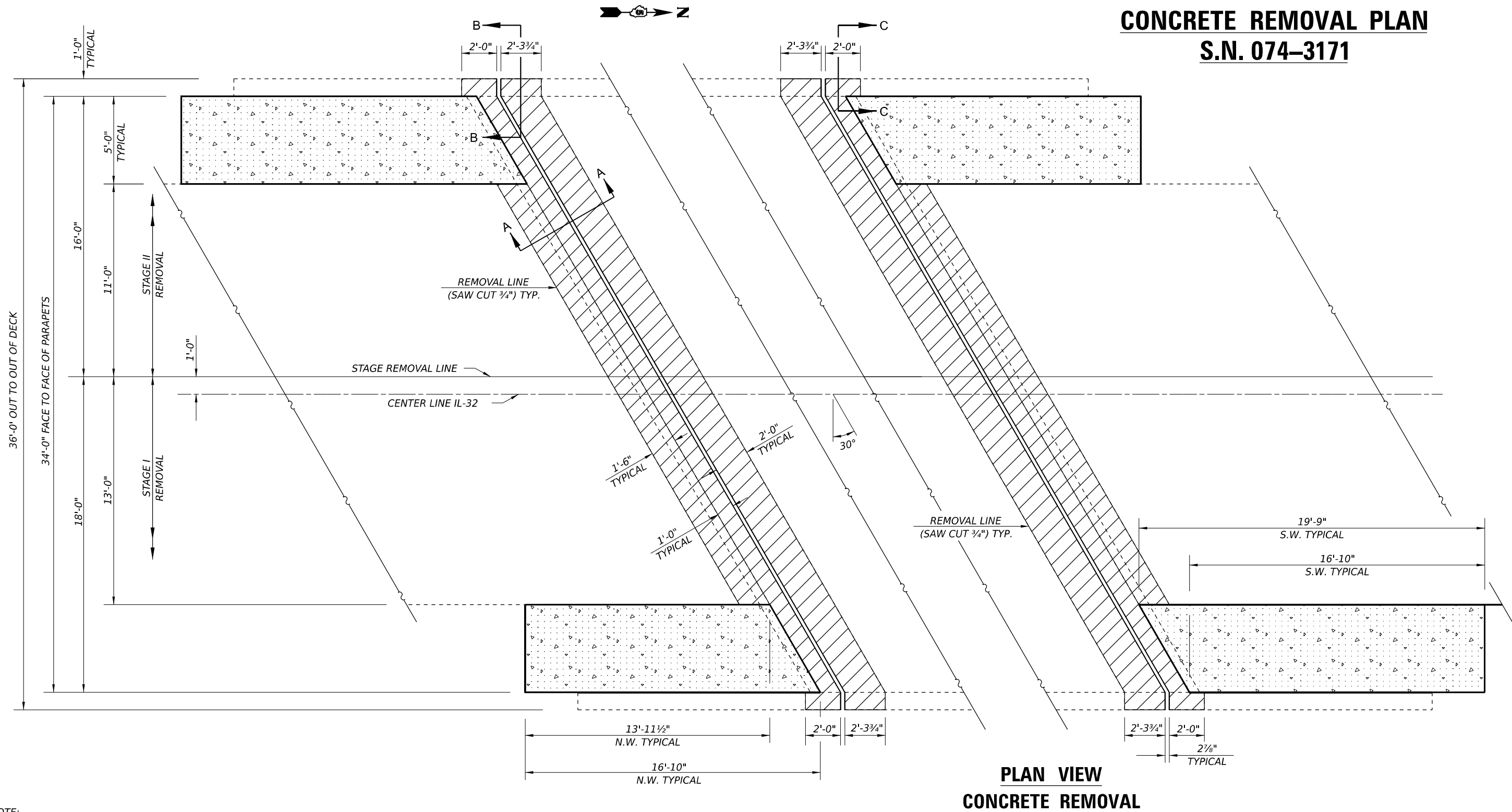
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEARING SURFACE PLAN
S.N. 074-3171

SCALE: SHEET 5 OF 22 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	(76-00221-00)BR-1	PIATT	30	10
CONTRACT NO. 70E65				
ILLINOIS FED. AID PROJECT				

CONCRETE REMOVAL PLAN
S.N. 074-3171



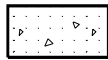
NOTE:

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 EXISTING EXPANSION JOINT SYSTEM AND ANY PLACED OR ACCUMULATED FOREIGN MATERIAL IN THE JOINT OPENINGS SHALL BE COMPLETELY REMOVED. COST IS INCLUDED IN CONCRETE REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



CONCRETE REMOVAL



BRIDGE APPROACH SHOULDER REMOVAL (10")

BILL OF MATERIALS

ITEM	UNIT	TOTAL
BRIDGE APPROACH SHOULDER REMOVAL	SQ YD	37.5

MODEL: Default
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USER NAME = eric.shawler	DESIGNED -	REVISED -
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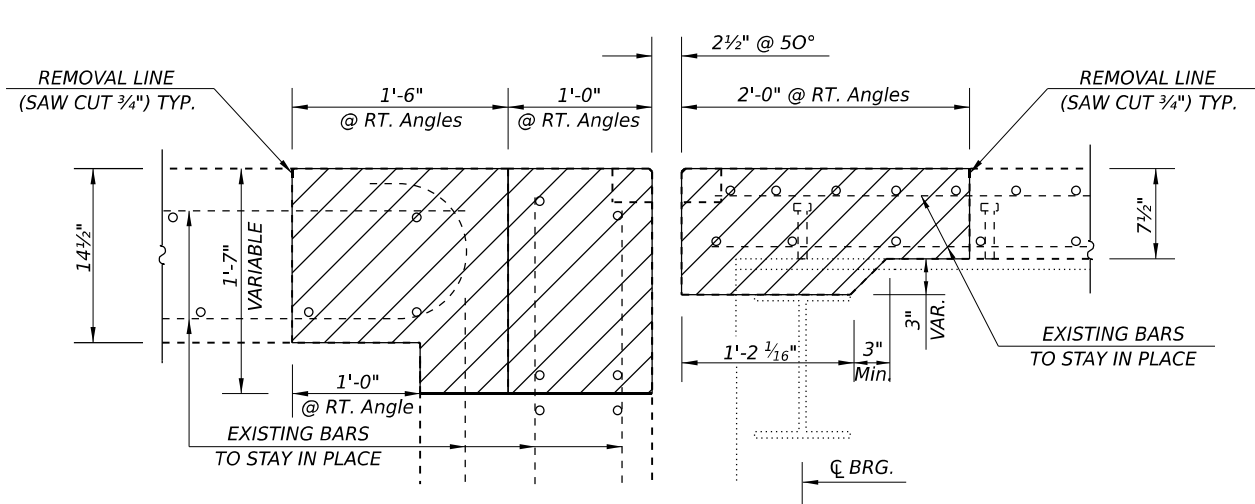
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL PLAN
S.N. 074-3171

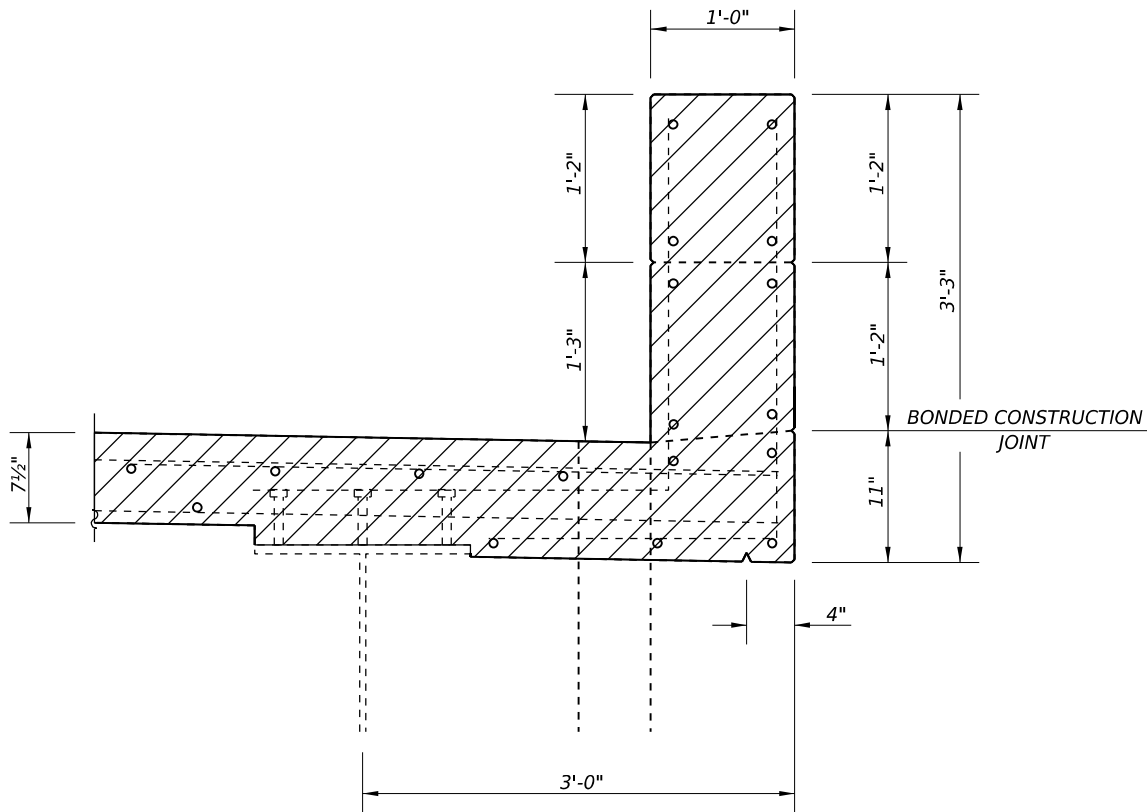
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CONTRACT NO. 70E65				
ILLINOIS FED. AID PROJECT				

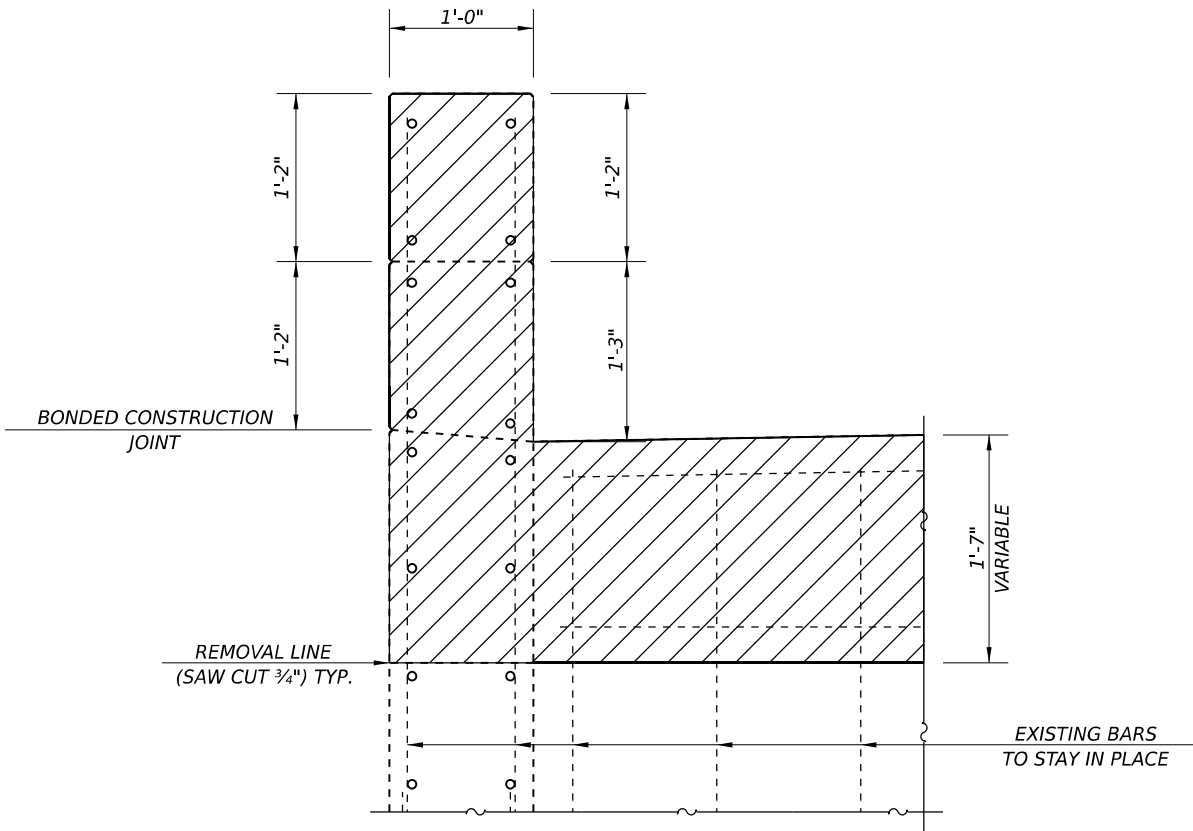
CONCRETE REMOVAL DETAILS
S.N. 074-3171



SECTION A-A
CONCRETE REMOVAL



SECTION B-B
CONCRETE REMOVAL



SECTION C-C
CONCRETE REMOVAL



BILL OF MATERIALS
BOTH ABUTMENTS

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	15.7

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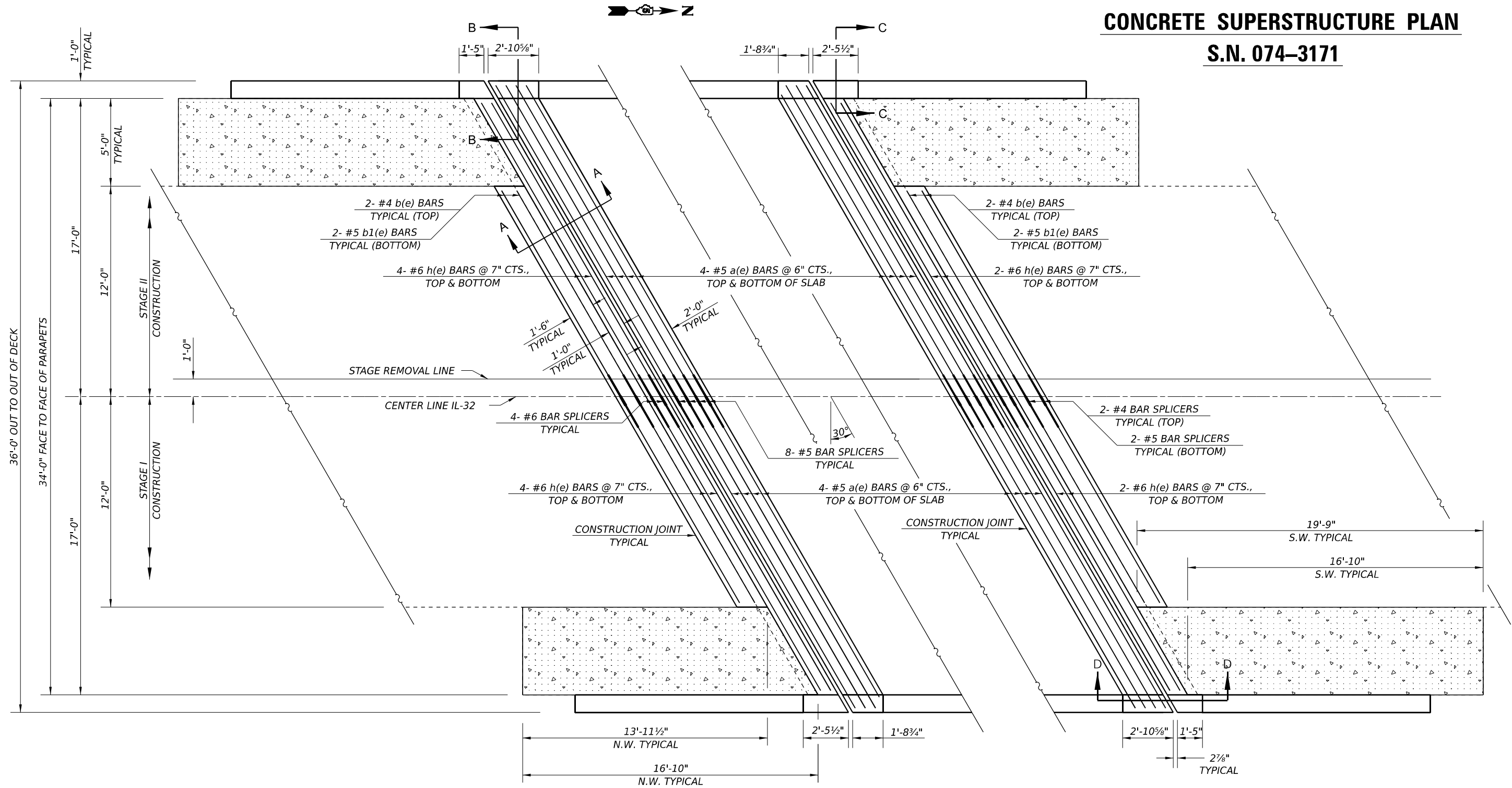
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	DRAWN - ESS	REVISED -
	CHECKED - TJB	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL DETAILS S.N. 074-3171			
SCALE:	SHEET 7	OF 22 SHEETS	STA. TO STA.

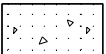
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760	(76-00221-00)BR-1	PIATT	30	12
CONTRACT NO. 70E65				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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PLAN VIEW
CONCRETE SUPERSTRUCTURE

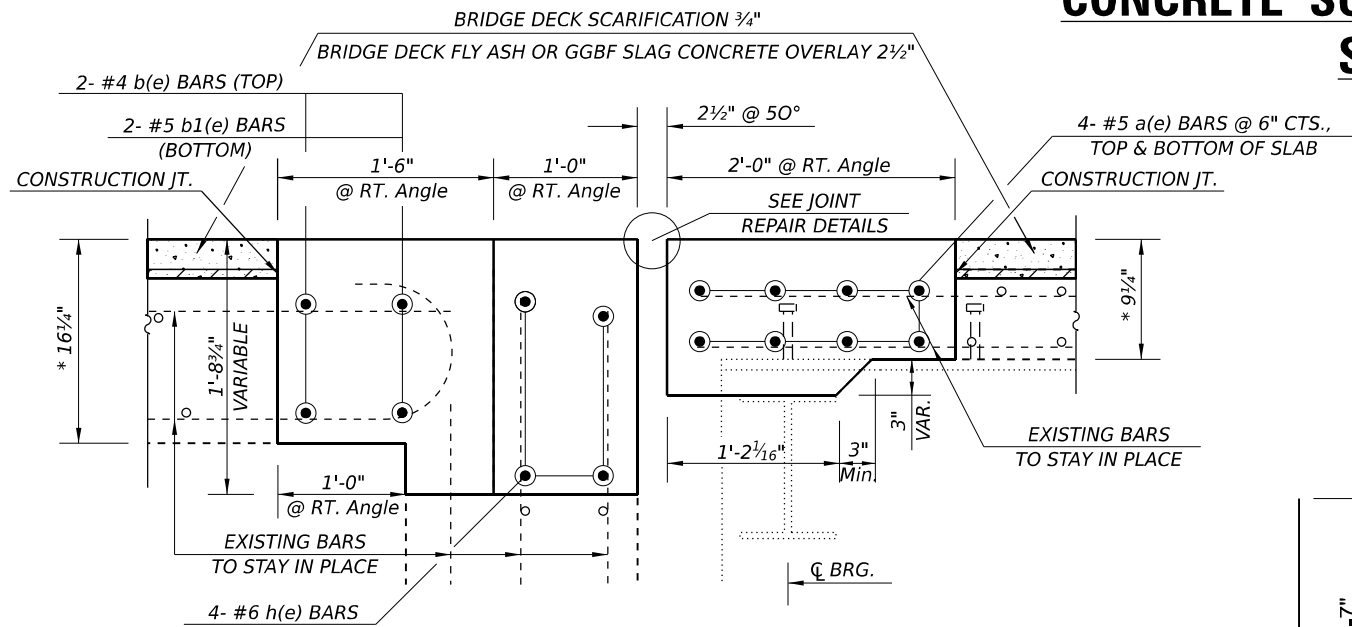
NOTE:
REINFORCEMENT BARS DESIGNATED (e) SHALL BE EPOXY COATED.

 CONCRETE SUPERSTRUCTURE (APPROACH SLAB)

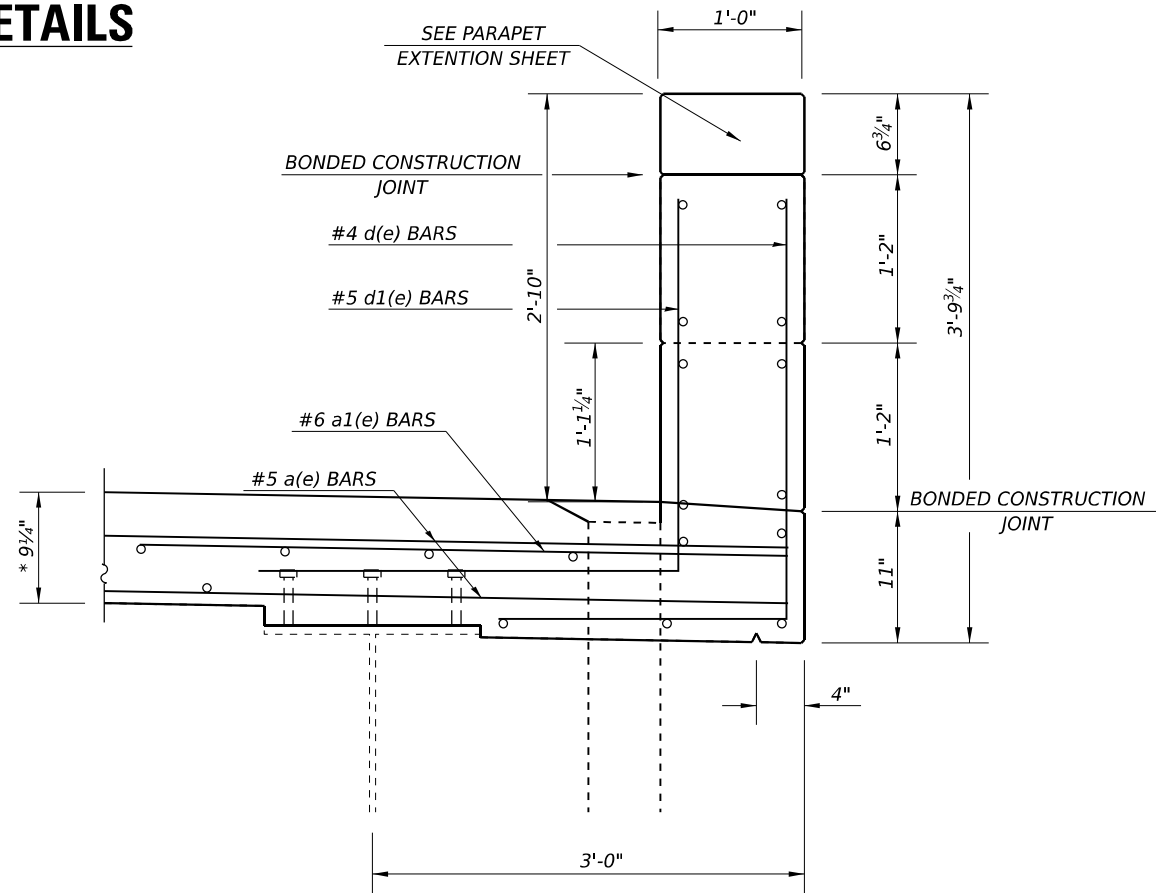
USER NAME = eric.shawler	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE SUPERSTRUCTURE PLAN S.N. 074-3171		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - ESS	REVISED -				760	(76-00221-00)BR-1	PIATT	30	13
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	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
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CONCRETE SUPERSTRUCTURE DETAILS

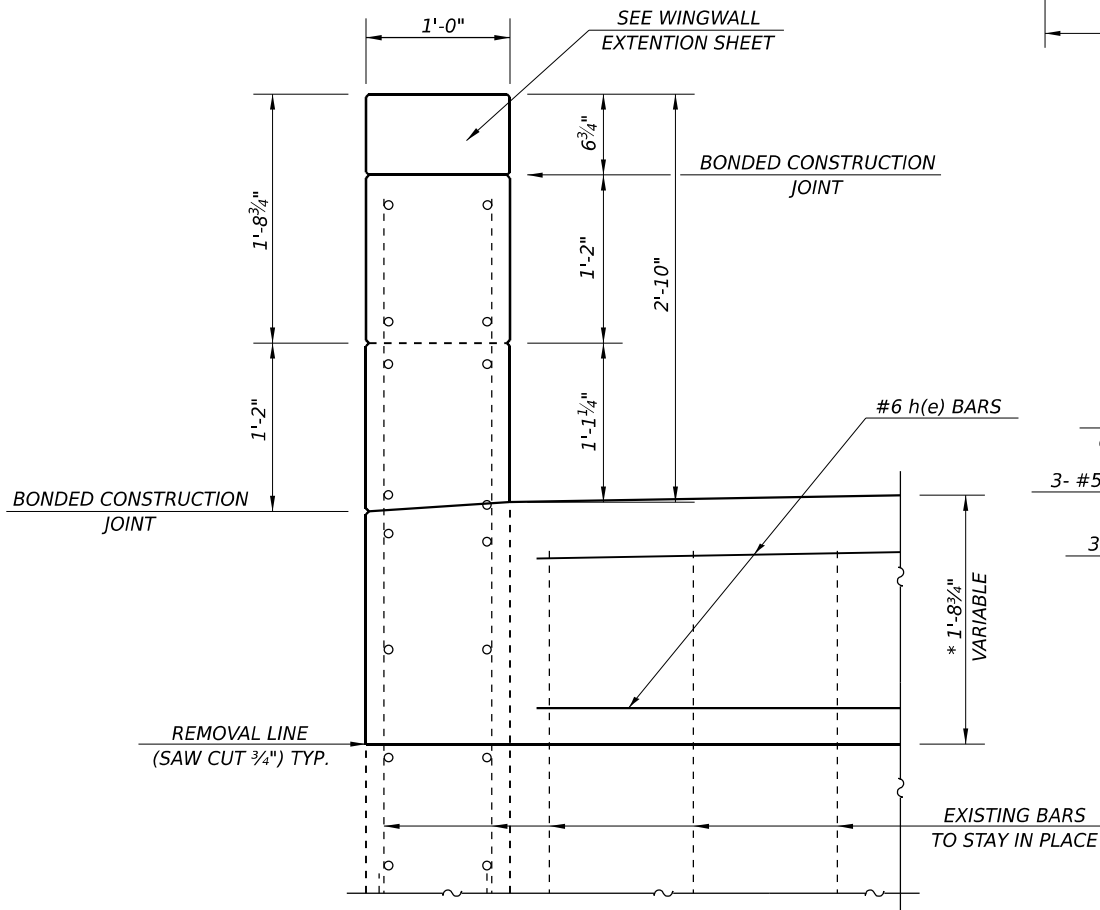
S.N. 074-3171



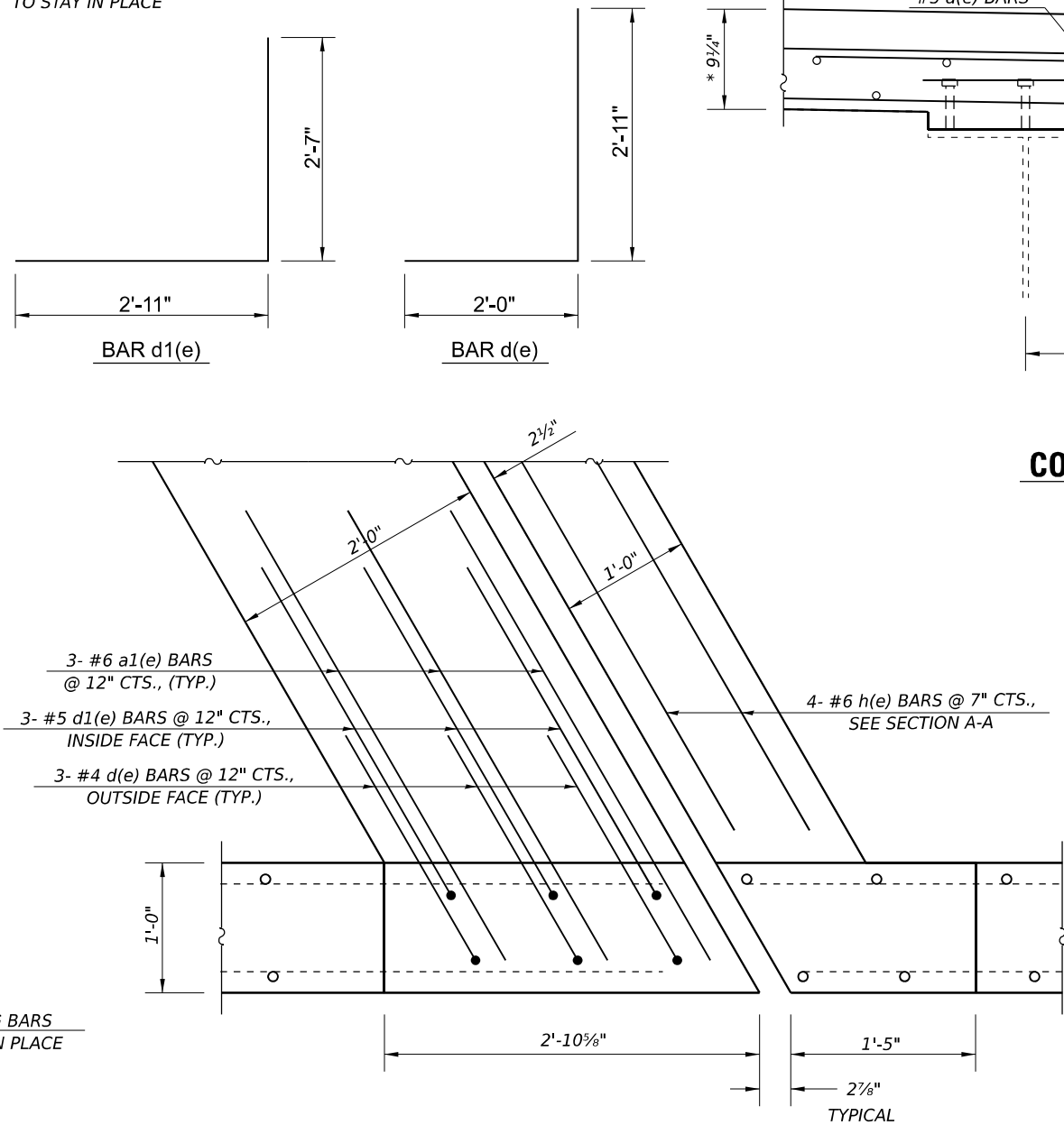
SECTION A-A
CONCRETE SUPERSTRUCTURE



SECTION B-B
CONCRETE SUPERSTRUCTURE



SECTION C-C
CONCRETE SUPERSTRUCTURE



SECTION D-D
CONCRETE SUPERSTRUCTURE
ALL DECK ENDS (SIMILAR)

NOTE:

* PRIOR TO DIAMOND GRINDING.

REINFORCEMENT BARS DESIGNATED (e) SHALL BE EPOXY COATED.

BILL OF MATERIALS BOTH ABUTMENTS

BAR	NO.	SIZE	LENGTH	SHAPE
a(e)	32	#5	20'-6"	=====
a1(e)	12	#6	4'-0"	=====
h(e)	16	#6	19'-4"	=====
d(e)	12	#4	4'-11"	└─┘
d1(e)	12	#5	5'-6"	└─┘
b(e)	8	#4	13'-7"	=====
b1(e)	8	#5	13'-7"	=====
ITEM			UNIT	TOTAL
REINFORCEMENT BARS, EPOXY COATED			POUND	1,518.0
CONCRETE SUPERSTRUCTURE			CU YD	17.5
BAR SPLICERS			EACH	32.0
PROTECTIVE COAT			SQ YD	39.9

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USER NAME = eric.shawler	DESIGNED -	REVISED -
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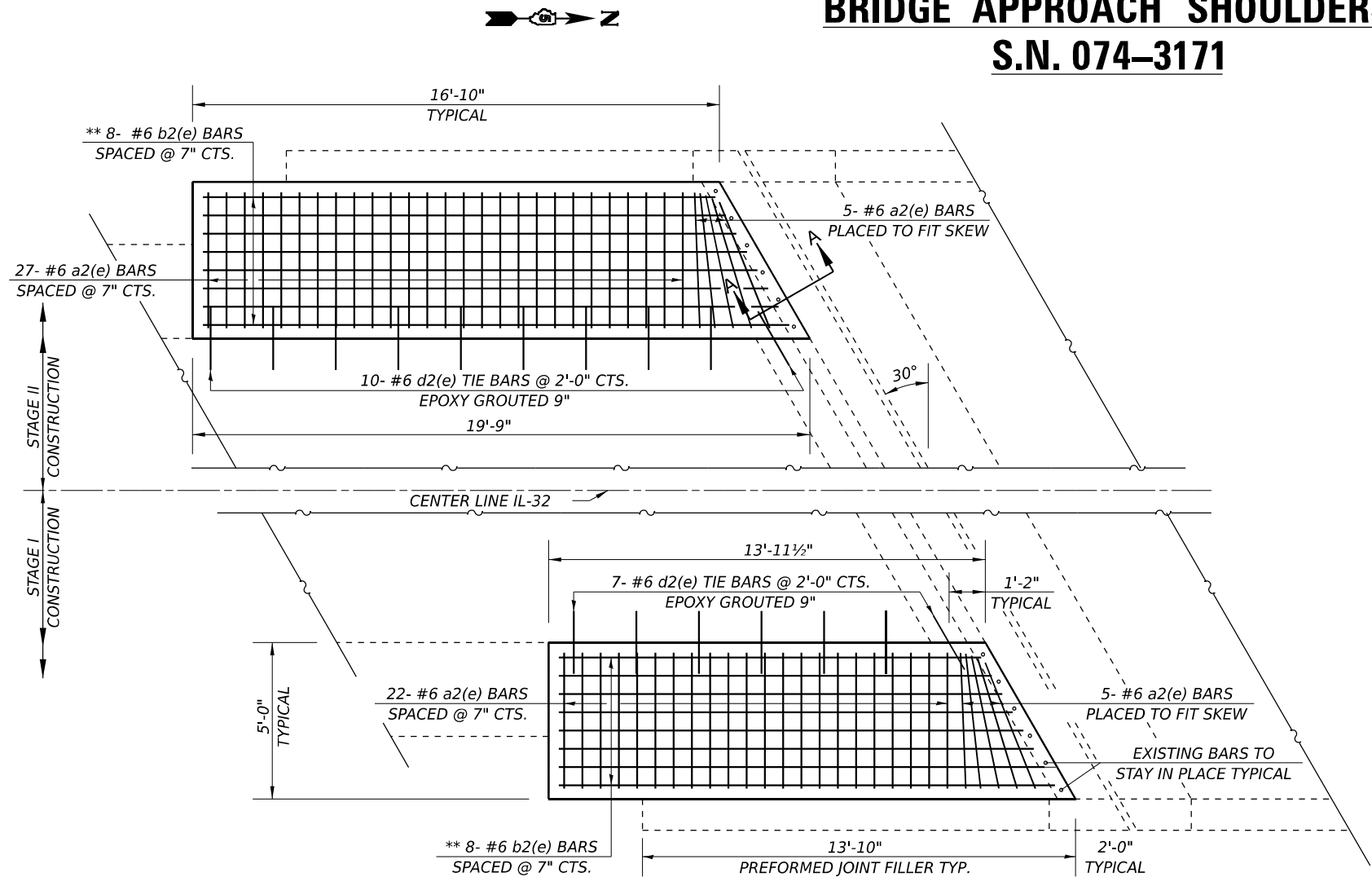
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE SUPERSTRUCTURE DETAILS
S.N. 074-3171

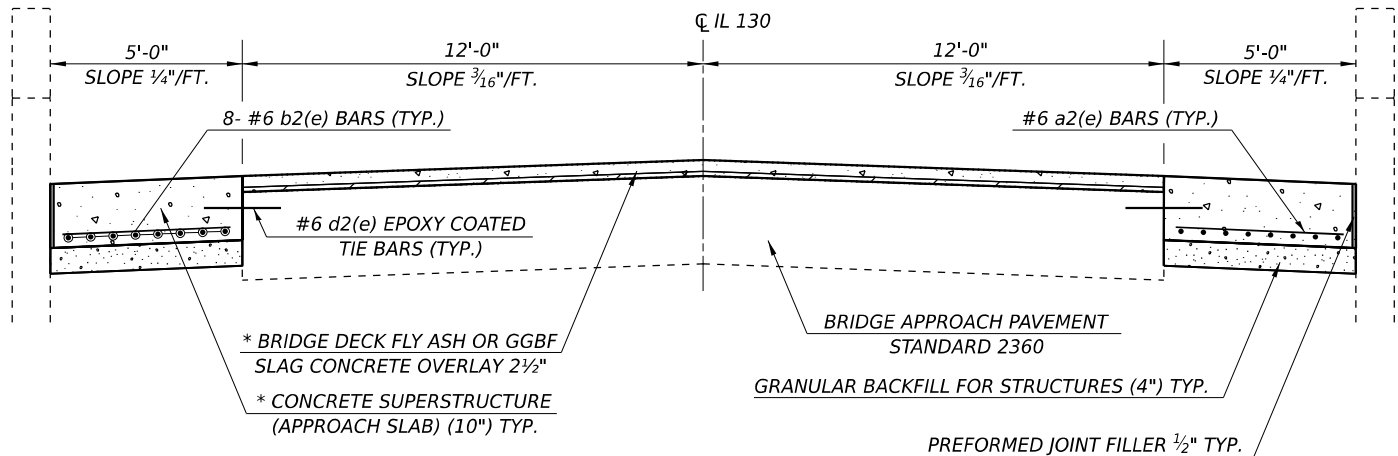
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	(76-00221-00)BR-1	PIATT	30	14
CONTRACT NO. 70E65				
ILLINOIS FED. AID PROJECT				

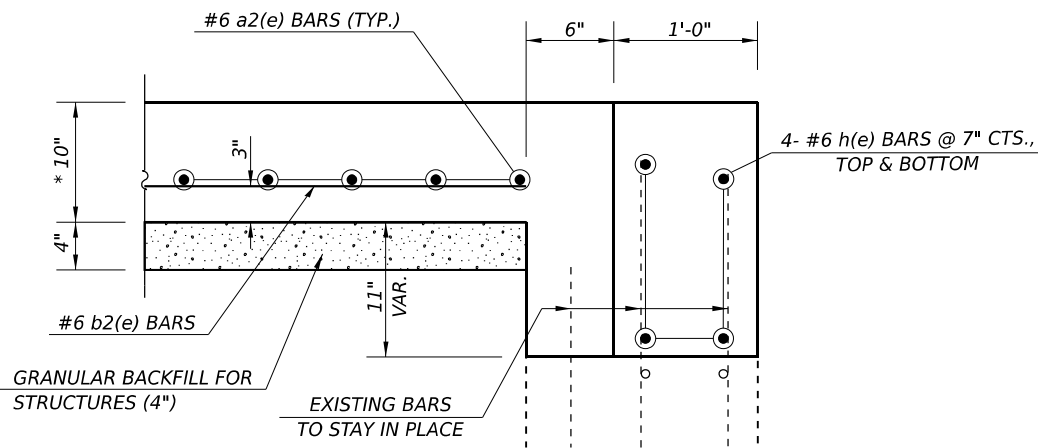
BRIDGE APPROACH SHOULDERS
S.N. 074-3171



SOUTH APPROACH SHOULDERS
NORTH APPROACH SIMILAR



BRIDGE APPROACH SHOULDERS



SECTION A-A
BRIDGE APPROACH SHOULDER

NOTE:

* PRIOR TO DIAMOND GRINDING.

REINFORCEMENT BARS DESIGNATED (e) SHALL BE EPOXY COATED.

THE COST OF EPOXY GROUTING BARS SHALL BE INCLUDED WITH REINFORCEMENT BARS (EPOXY COATED).

EPOXY GROUT d4(e) BARS IN 9" MIN. HOLES ACCORDING TO ARTICLE 584 OF THE STANDARD SPECIFICATIONS.

** ORDER b3(e) BARS 32'-2". USE CUT DIAGRAM TO ESTABLISH LONGITUDINAL LENGTH FOR BOTH SHOULDERS.

P.J.F. (PER ARTICLE 105.09 OF THE STANDARD SPECIFICATION) FULL LENGTH AND VERTICALLY AT THE WINGWALL BONDED WITH SUITABLE ADHESIVE AS RECOMMENDED BY SUPPLIER. COST INCLUDED WITH CONCRETE SUPERSTRUCTURE (APPROACH SLAB) ESTIMATE 46 SQ FT.

BILL OF MATERIALS
BOTH ABUTMENTS

BAR	NO.	SIZE	LENGTH	SHAPE
a2(e)	118	#6	4'-4"	
b2(e)	16	#6	32'-2"	
d2(e)	34	#6	2'-0"	
ITEM			UNIT	TOTAL
REINFORCEMENT BARS, EPOXY COATED			POUND	1,409.0
CONCRETE SUPERSTRUCTURE (APPROACH SLAB)			CU YD	10.6
GRANULAR BACKFILL FOR STRUCTURES			CU YD	4.1
PROTECTIVE COAT			SQ YD	37.6

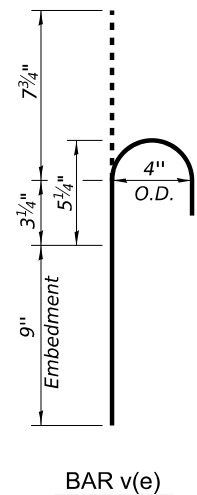
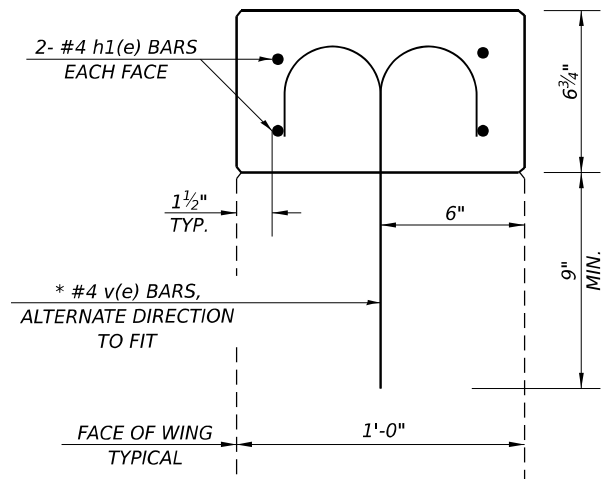
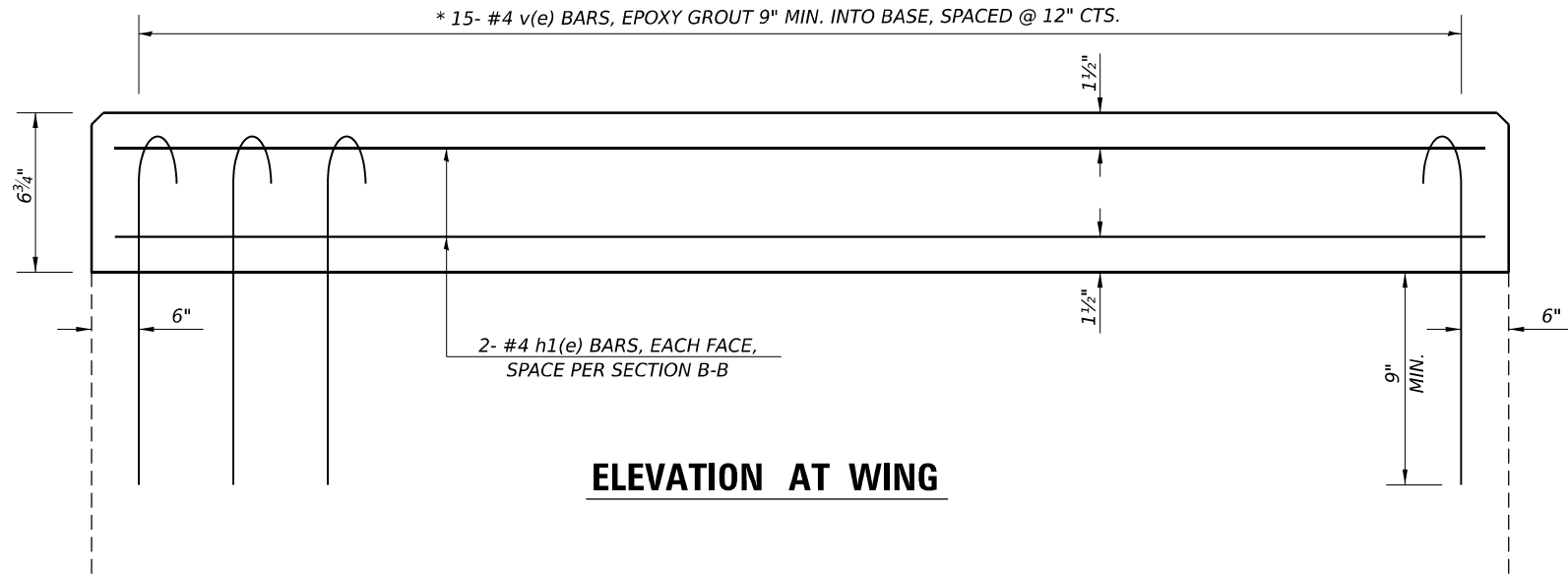
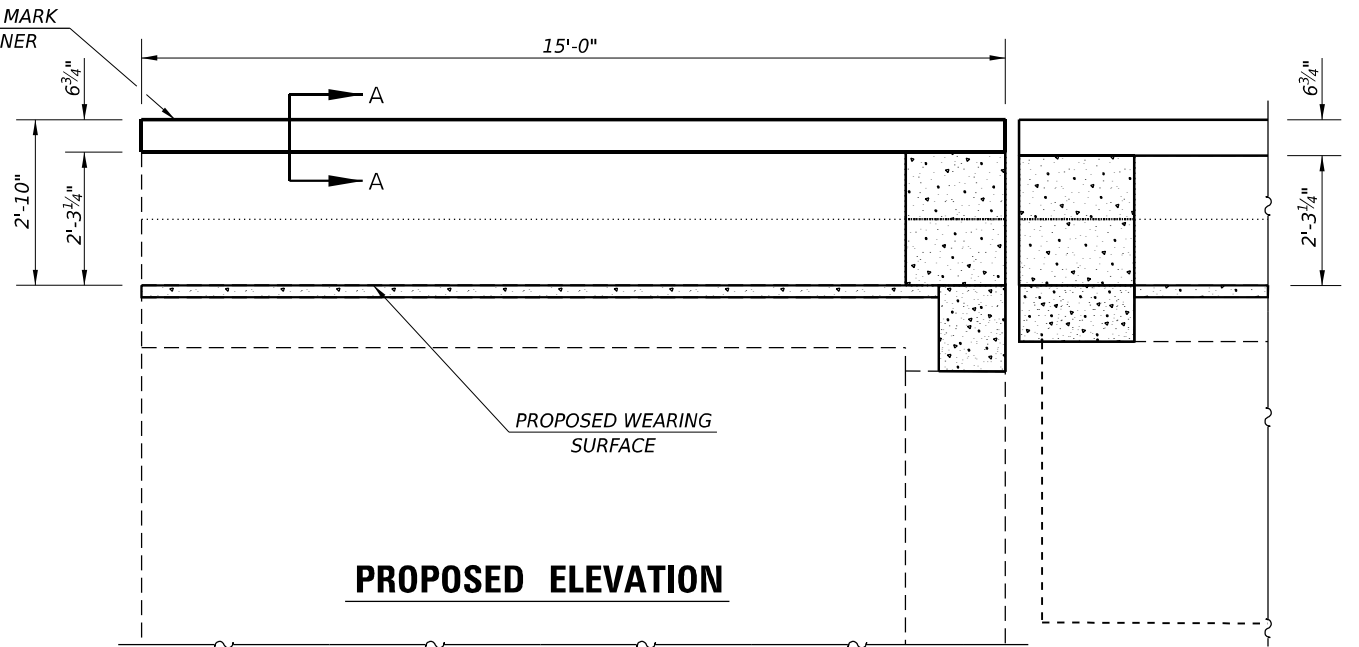
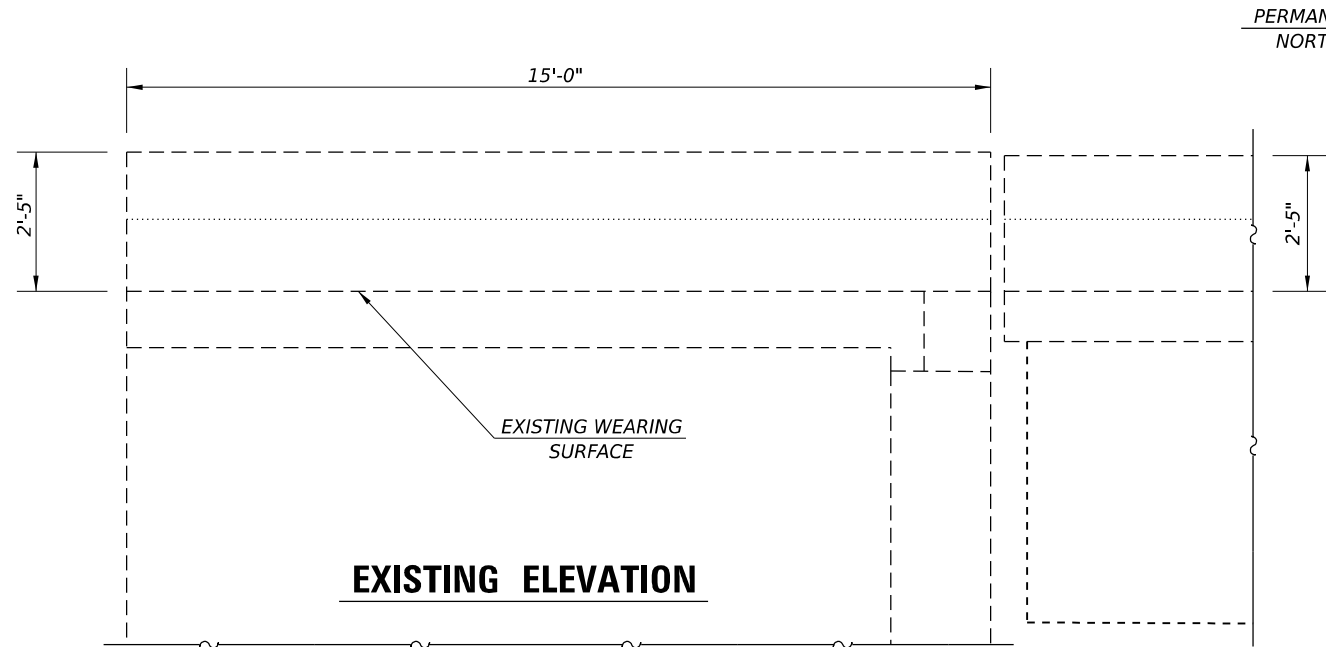
16'-5"	CUT LINE	15'-9"
16'-9"		15'-5"
17'-1"		15'-1"
17'-5"		14'-9"
17'-9"		14'-5"
18'-1"		14'-1"
18'-5"		13'-9"
18'-9"	CUT LINE	13'-5"

** BAR b2(e)
CUT DIAGRAM

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PLOT DATE = 10/2/2025	USER NAME = eric.shawler	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SHOULDERS S.N. 074-3171			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - ESS	REVISED -					760	(76-00221-00)BR-1	PIATT	30	15
		CHECKED - TJB	REVISED -					CONTRACT NO. 70E65				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
SCALE:		SHEET 10 OF 22 SHEETS		STA.		TO STA.						

MODEL: Default
FILE NAME: c:\pwwork\pwwork\shawleres\0991042\0570E65_Sht_structure_plans.dgn



NOTE:

THE COST OF EPOXY GROUTING BARS SHALL BE INCLUDED WITH REINFORMENT BARS (EPOXY COATED).

REINFORCEMENT BARS DESIGNATED (e) SHALL BE EPOXY COATED.

* EPOXY GROUT V(E) BARS IN 9" MIN. HOLES ACCORDING TO ARTICLE 584 OF THE STANDARD SPECIFICATIONS.

SECTION A-A

BILL OF MATERIALS
BOTH ABUTMENTS

BAR	NO.	SIZE	LENGTH	SHAPE
v(e)	60	#4	1'-8"	
h1(e)	16	#4	14'-6"	
ITEM			UNIT	TOTAL
REINFORCEMENT BARS, EPOXY COATED			POUND	215.0
CONCRETE SUPERSTRUCTURE			CU YD	1.2
PROTECTIVE COAT			SQ YD	10.5
PERMANENT BENCH MARKS			EACH	1.0

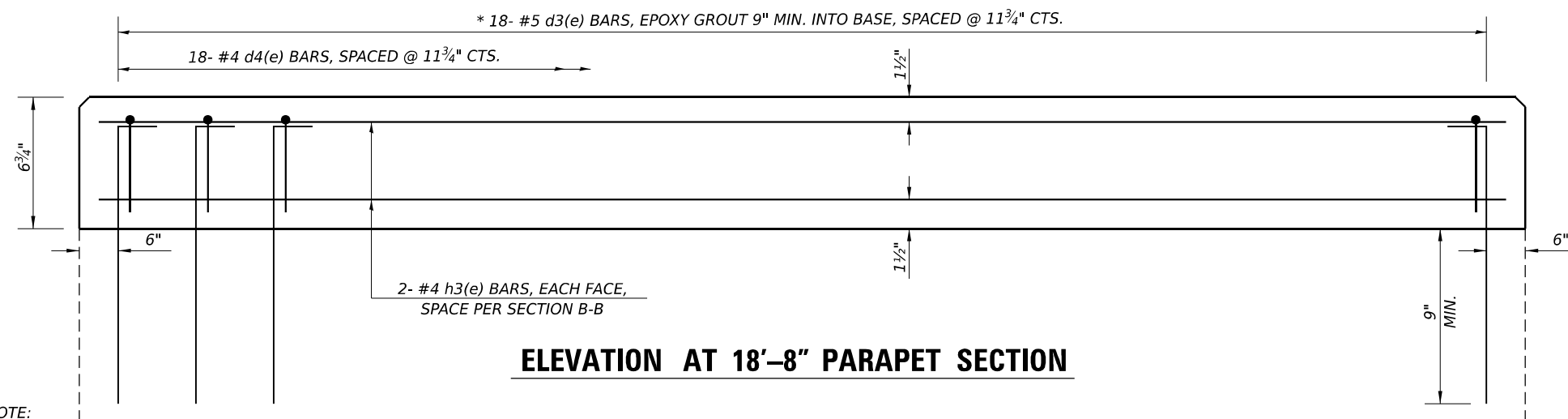
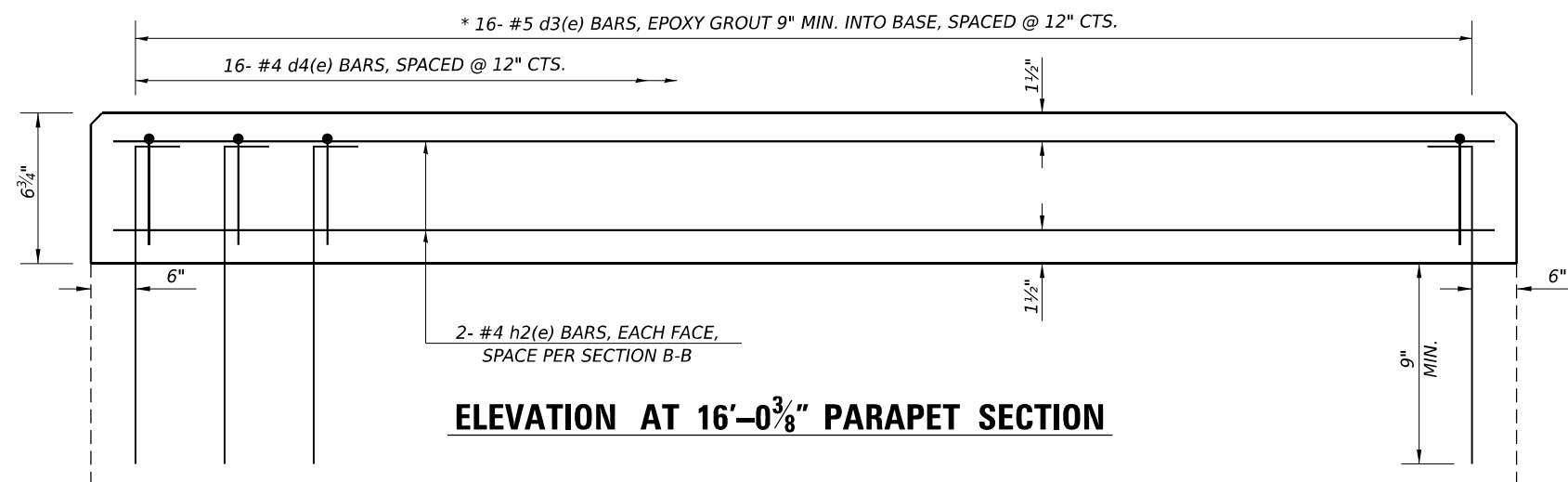
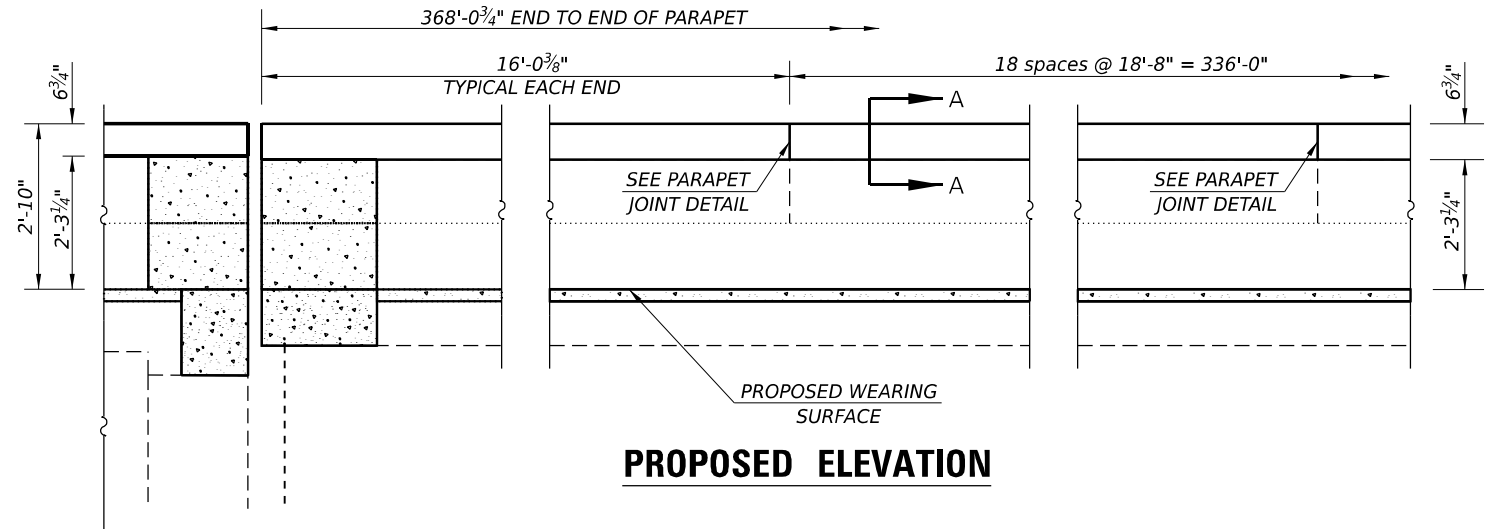
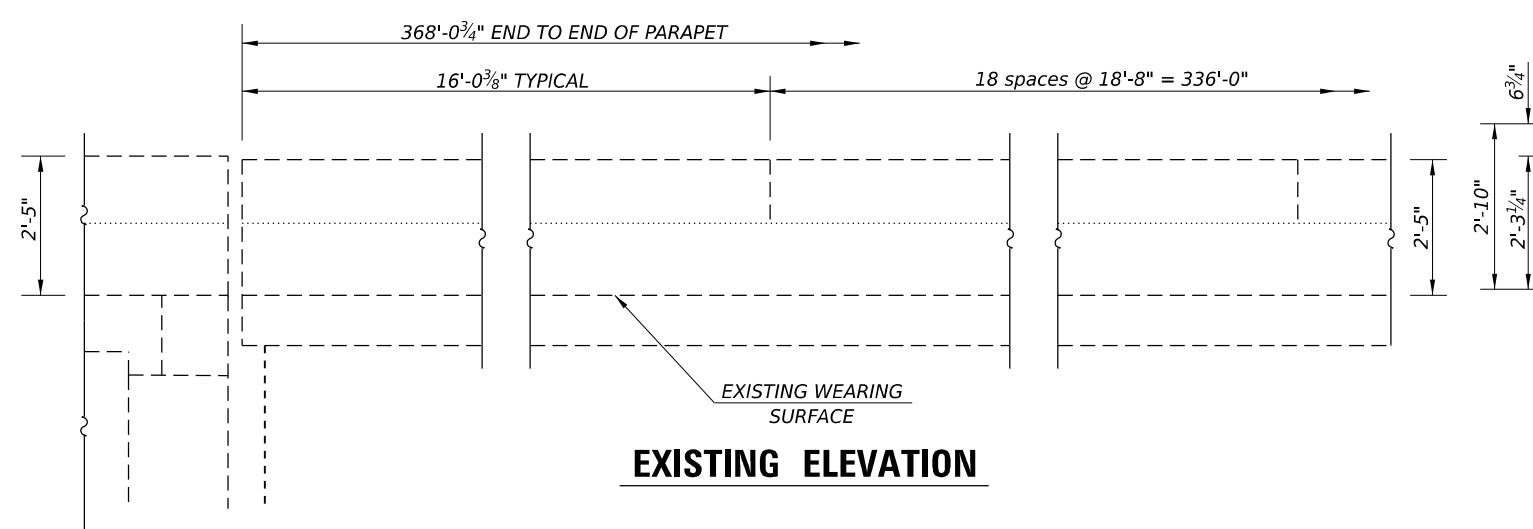
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PLOT DATE = 7/25/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINGWALL EXTENSION
S.N. 074-3171

SCALE: SHEET 11 OF 22 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	(76-00221-00)BR-1	PIATT	30	16
CONTRACT NO. 70E65				
ILLINOIS FED. AID PROJECT				

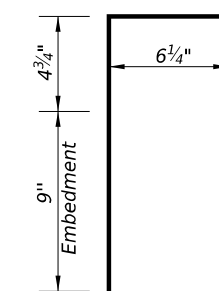
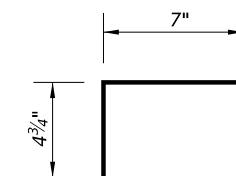
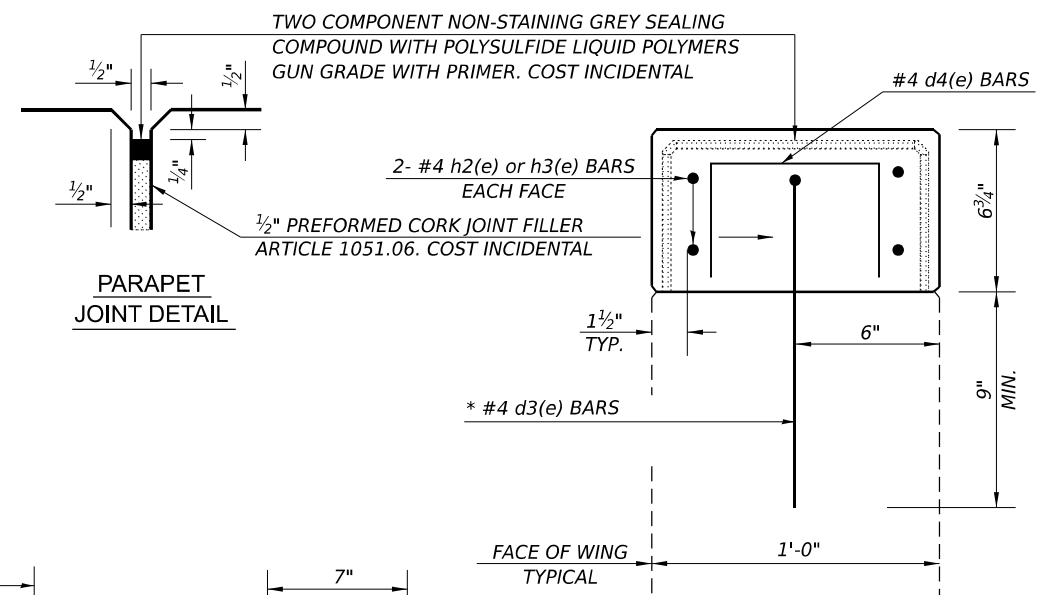


NOTE:

THE COST OF EPOXY GROUTING BARS SHALL BE INCLUDED WITH REINFORCING BARS (EPOXY COATED).

REINFORCEMENT BARS DESIGNATED (e) SHALL BE EPOXY COATED.

* EPOXY GROUT d3(E) BARS IN 9" MIN. HOLES ACCORDING TO ARTICLE 584 OF THE STANDARD SPECIFICATIONS.



SECTION A-A

BILL OF MATERIALS

BOTH PARAPETS

BAR	NO.	SIZE	LENGTH	SHAPE
d3(e)	712	#5	1'-8"	
d4(e)	712	#4	1'-4 ¹ / ₂ "	
h2(e)	16	#4	15'-6"	
h3(e)	144	#4	18'-2"	

ITEM	UNIT	TOTAL
REINFORCEMENT BARS, EPOXY COATED	POUND	3,808.0
CONCRETE SUPERSTRUCTURE	CU YD	8.4
PROTECTIVE COAT	SQ YD	128.0

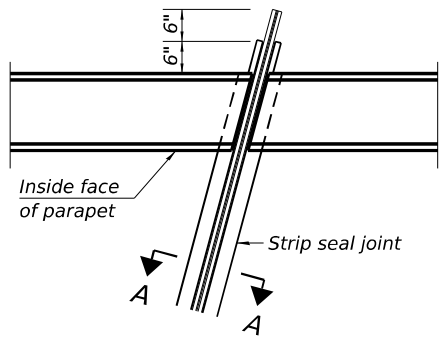
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	CHECKED - TJB	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET EXTENSION
S.N. 074-3171

SCALE:	SHEET 12	OF 22	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	(76-00221-00)BR-1	PIATT	30	17
CONTRACT NO. 70E65				
ILLINOIS		FED. AID PROJECT		

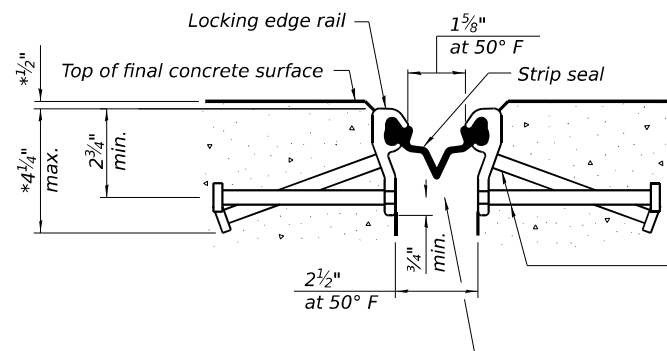


FOR SKEWS $\leq 30^\circ$

PLAN AT PARAPET

NOTE:

* PRIOR TO DIAMOND GRINDING.



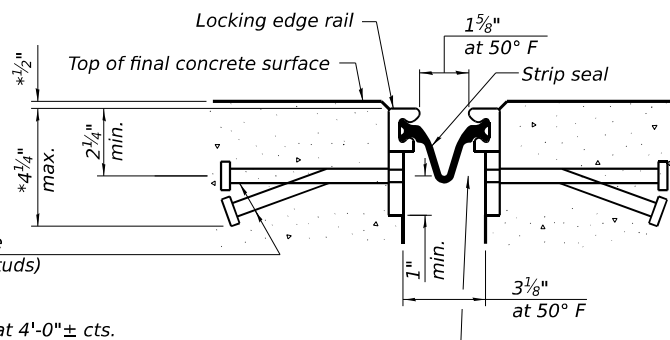
SHOWING ROLLED RAIL JOINT

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

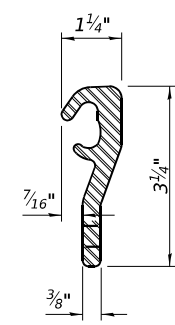
3/8" $\varnothing$ threaded rods in 7/16" $\varnothing$ holes at 4'-0" $\pm$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

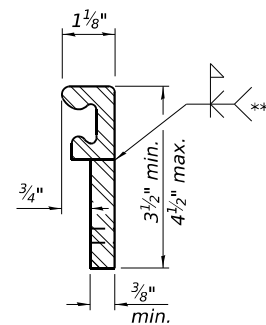
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



SHOWING WELDED RAIL JOINT



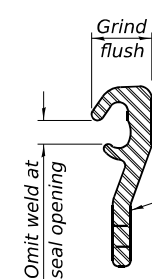
ROLLED (EXTRUDED) RAIL



WELDED RAIL

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.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	86.0

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.

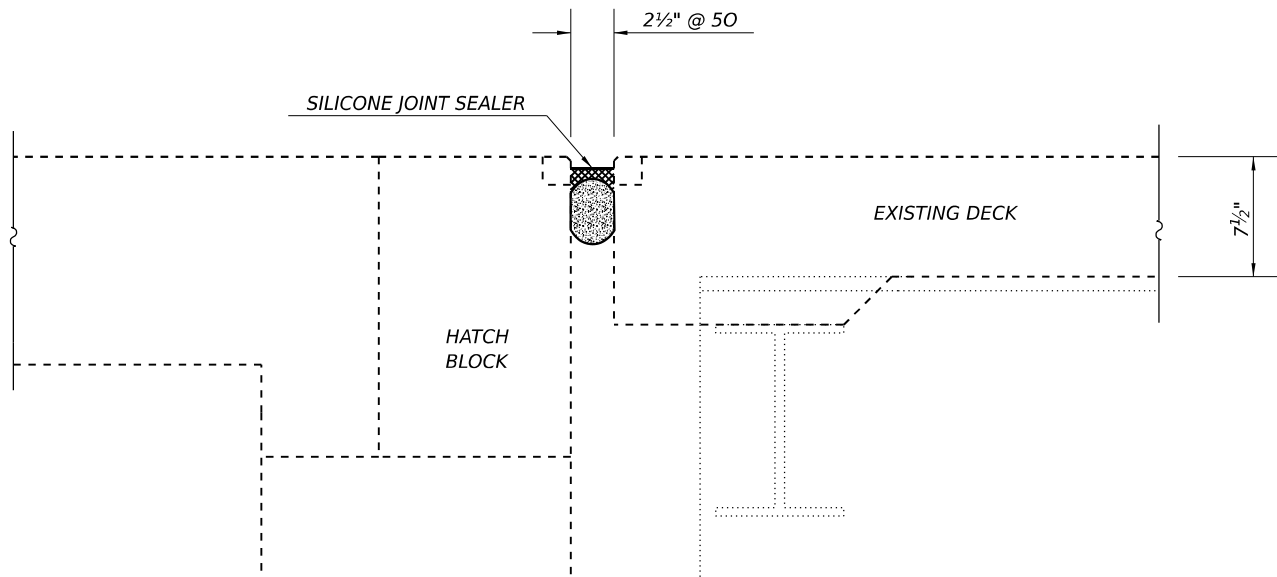
39" constant slope barrier shown, 44" constant slope barrier similar as noted.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

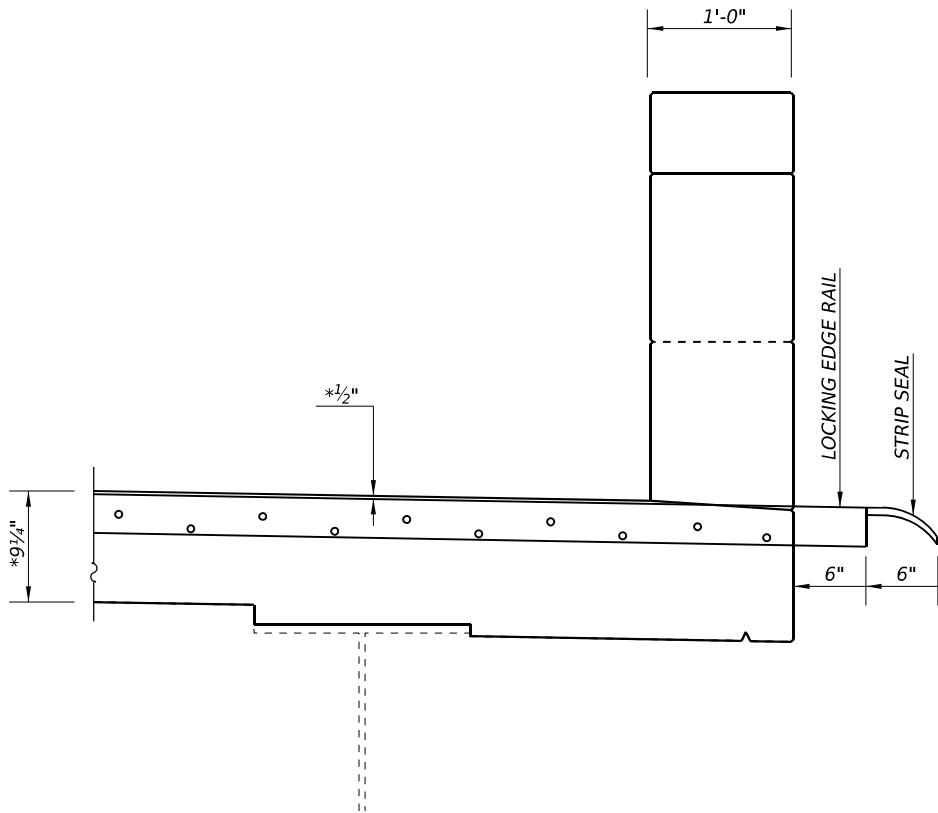
EJ-SS MODIFIED 4-4-2025

	USER NAME = eric.shawler	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PREFORMED JOINT STRIP SEAL S.N. 074-3171			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					760	(76-00221-00)BR-1	PIATT	30	18
		CHECKED -	REVISED -					CONTRACT NO. 70E65				
	PLOT DATE = 7/25/2025	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
SCALE:		SHEET 13 OF 22 SHEETS		STA.		TO STA.						

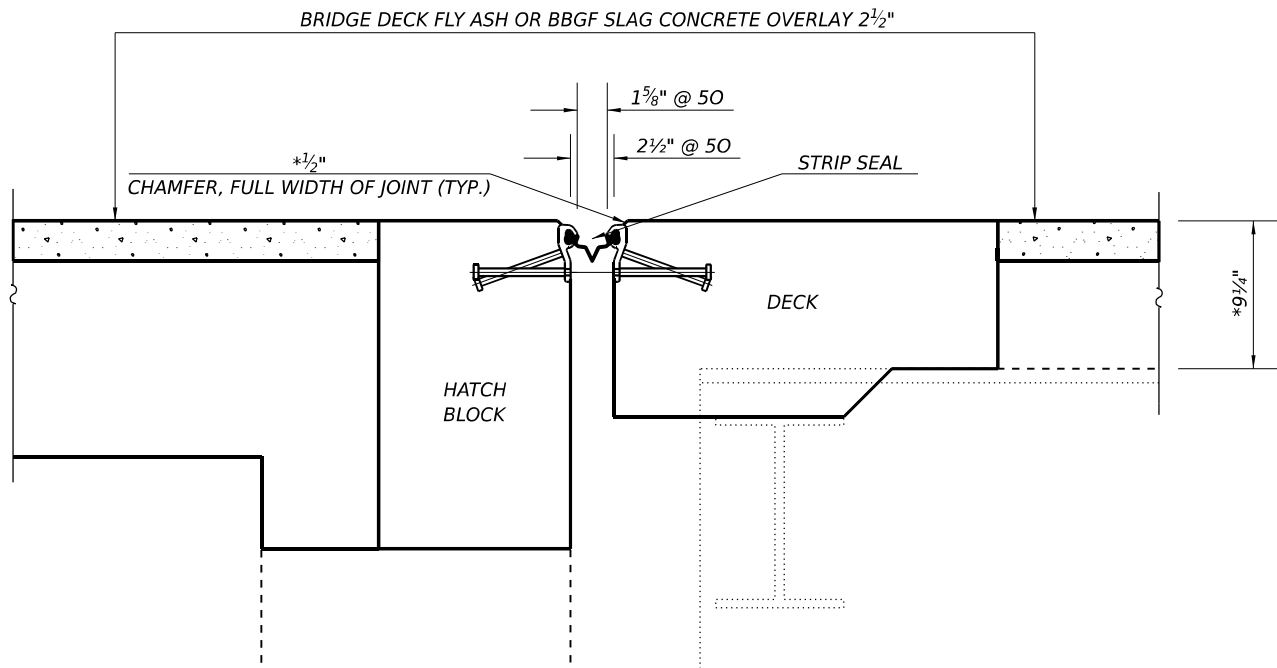
JOINT REPLACEMENT DETAIL
S.N. 074-3171



SECTION AT EXISTING JOINT



SECTION AT PROPOSED JOINTS
SHOWING ROLLED RAIL JOINT



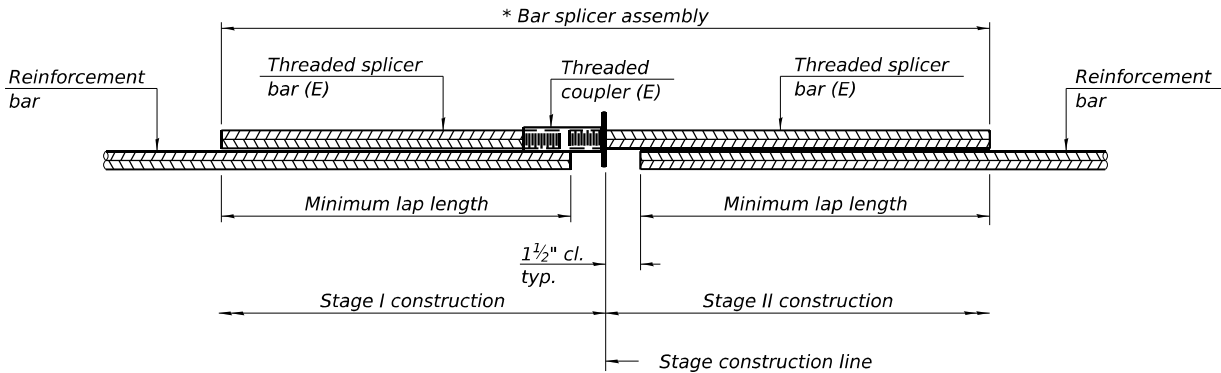
SECTION AT PROPOSED JOINTS
SHOWING ROLLED RAIL JOINT

NOTE
* PRIOR TO DIAMOND GRINDING.

MODEL: Default
FILE NAME: c:\p\work\p\work\shawleres\0891042\0570E65_Sht_structure_plans.dgn

	USER NAME = eric.shawler	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOINT REPLACEMENT DETAIL S.N. 074-3171		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - ESS	REVISED -				760	(76-00221-00)BR-1	PIATT	30	19
		CHECKED - TJB	REVISED -				CONTRACT NO. 70E65				
	PLOT DATE = 7/25/2025	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
SCALE:		SHEET 14 OF 22 SHEETS		STA.		TO STA.					

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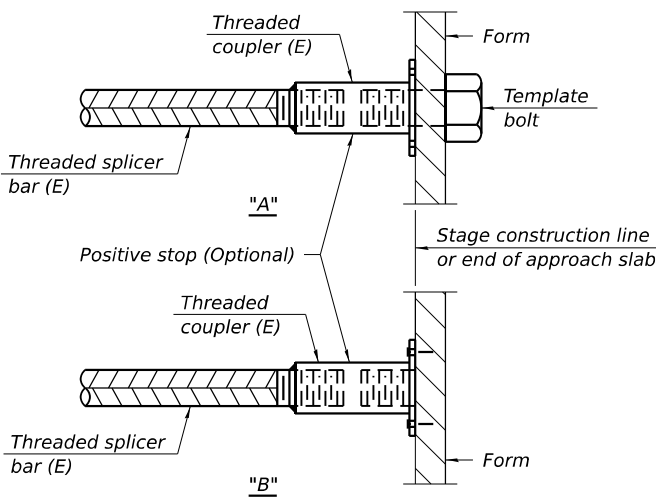
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
HATCH BLOCKS	#6	8.0	4'-0"
DECK ENDS	#5	16.0	3'-6"
APPROACH SLAB	#4	4.0	2'-6"
APPROACH SLAB	#5	4.0	3'-6"

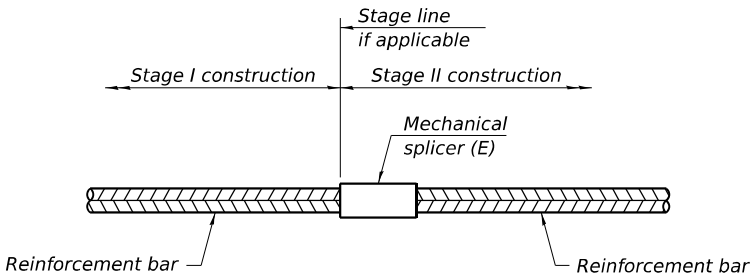


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

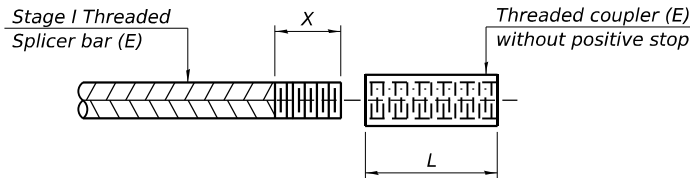
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



THREADING OF ASSEMBLIES

The threaded length "X" shall be no more than L/2. The bar should be tightened until 0-1 thread(s) is/are exposed.

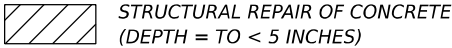
Notes:
Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

4-4-2025

	USER NAME = eric.shawler	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				760	(76-00221-00)BR-1	PIATT	30	20
		CHECKED -	REVISED -		S.N. 074-3171		CONTRACT NO. 70E65				
	PLOT DATE = 7/25/2025	DATE -	REVISED -		SCALE:	SHEET 15 OF 22 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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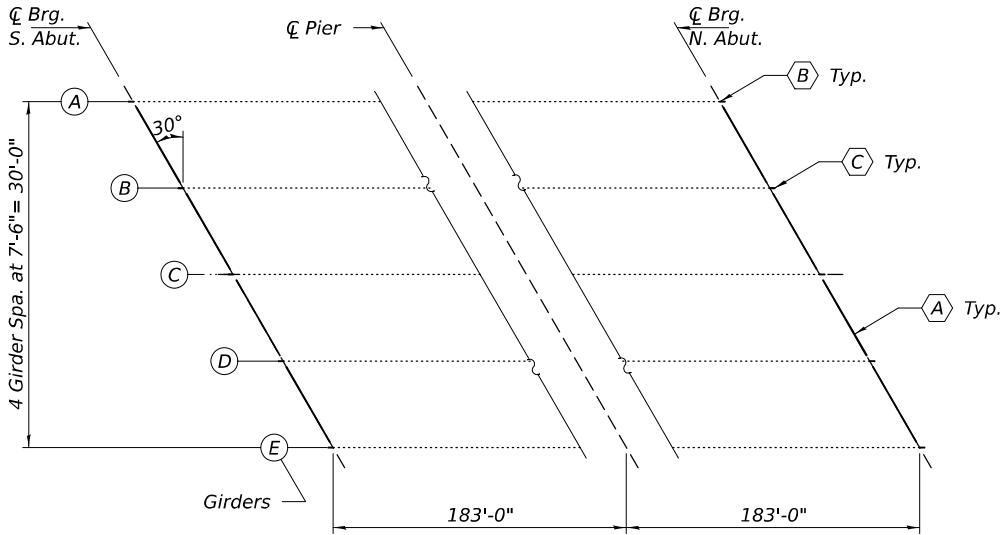


BILL OF MATERIALS

ITEM	UNIT	TOTAL
STRUCTURAL REPAIR OF CONCRETE (DEPTH = TO < 5 INCHES)	SQ FT	42.7

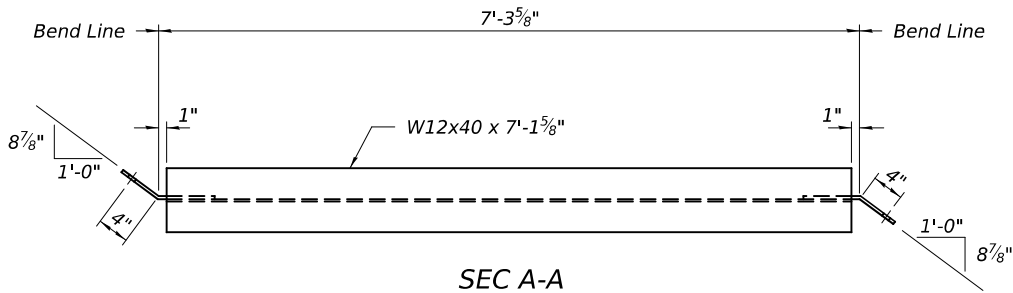
[illegible]

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURE REPAIR OF CONCRETE AT ABUTMENTS S.N. 074-3171				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					760	(76-00221-00)BR-1	PIATT	30	21
					CONTRACT NO. 70E65				
SCALE:		SHEET 16	OF 22	SHEETS	STA.	TO STA.			
					ILLINOIS FED. AID PROJECT				

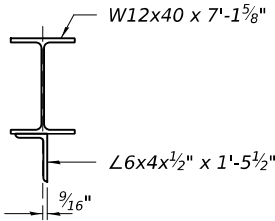


PARTIAL FRAMING PLAN

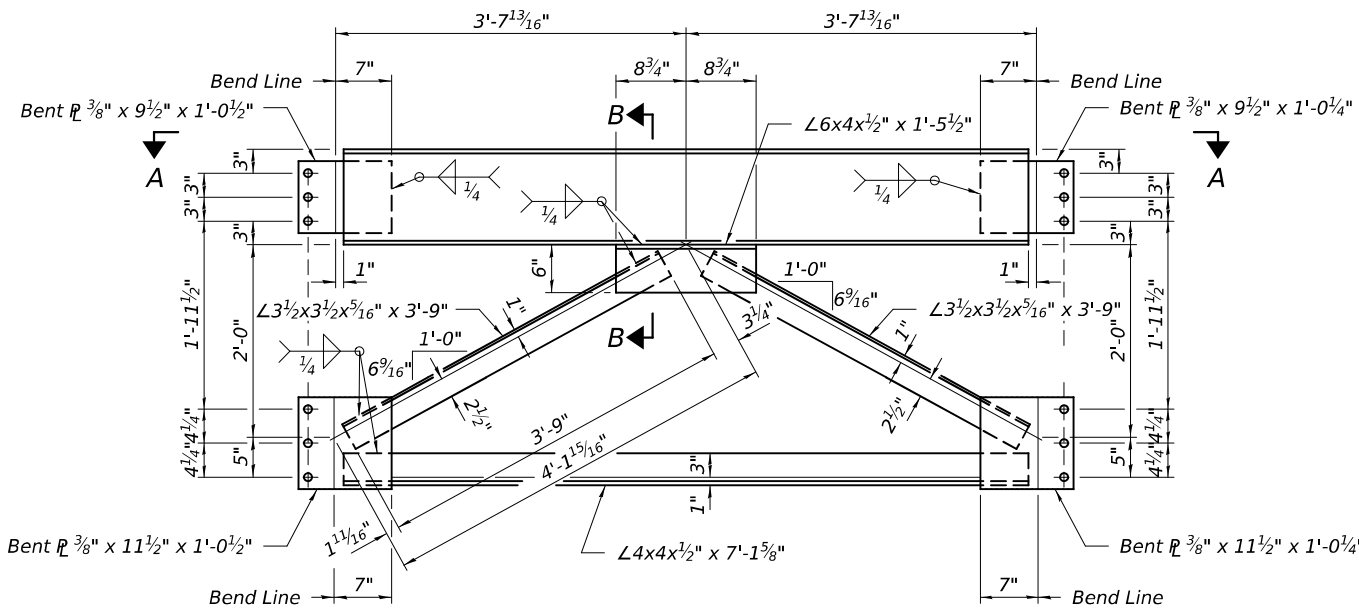
- A** - Cross Frame Removal and Replacement. (8 Req'd.)
- B** - Bearing Removal and Replacement. (10 Req'd.)
- C** - Girder End Repairs. (10 Locations)



SEC A-A



SEC B-B



CROSS FRAMES
(8 Req'd.)

NOTES

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

Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts. Bolts $\frac{3}{4}$ " $\varnothing$, holes $\frac{13}{16}$ " $\varnothing$, unless otherwise noted.

Plan dimensions and details relative to the existing structure have been taken from 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 Furnishing and Erecting Structural Steel or Structural Steel Repairs.

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 Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures", and the Standard Specifications. The color of the final finish coat shall be (ADD PAINT COLOR)

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

Cost of removal of existing Cross-frame shall be included in Structural Steel Removal.

All steel for new Cross-frame shall be included in Furnishing and Erecting Structural Steel.

BILL OF MATERIAL

Item	Unit	Total
Structural Steel Removal	Pound	4140
Furnishing and Erecting Structural Steel	Pound	4140

MODEL: 70E65-022
FILE NAME: pw://idiot-pw.bentley.com:FWIDOT/Documents/IDOT O ces/Bureau of Bridges and Structures/0743171/CADDData/Structures/0743171.dgn

DESIGNED -	VHV
CHECKED -	TP
DRAWN -	daiburdell
CHECKED -	VHV TP

EXAMINED	ENGINEER OF STRUCTURAL SERVICES
PASSED	ENGINEER OF BRIDGES AND STRUCTURES

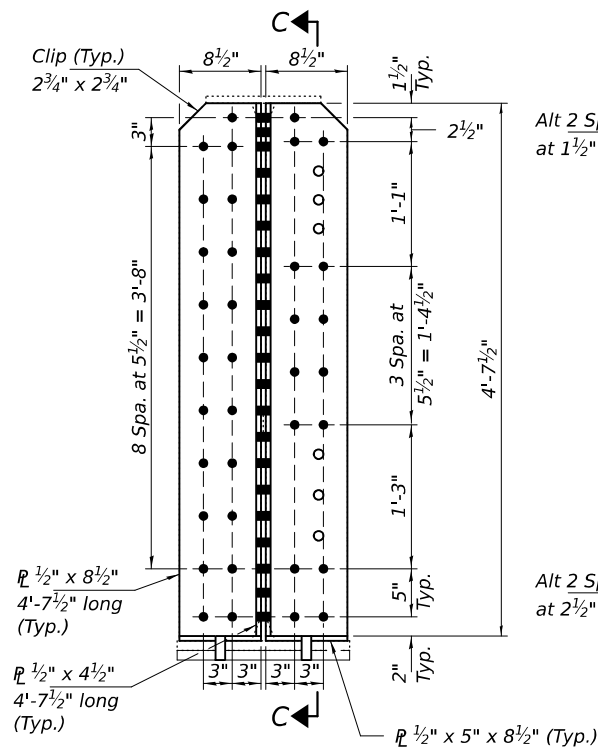
DATE -	OCTOBER 2, 2025
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIR PLANS
FAP 760 (CH 17) OVER SANGAMON RIVER
SN 074-3171
SHEET 1 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	(76-00221-00)BR-1	PIATT	30	22
CONTRACT NO. 70E65				
ILLINOIS FED. AID PROJECT				

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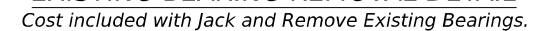
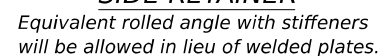


R_P	(K)	79.6
R_L	(K)	52.3
Imp.	(K)	8.5
R (Total)	(K)	140.4

Cost of Side retainers and Stainless Steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.

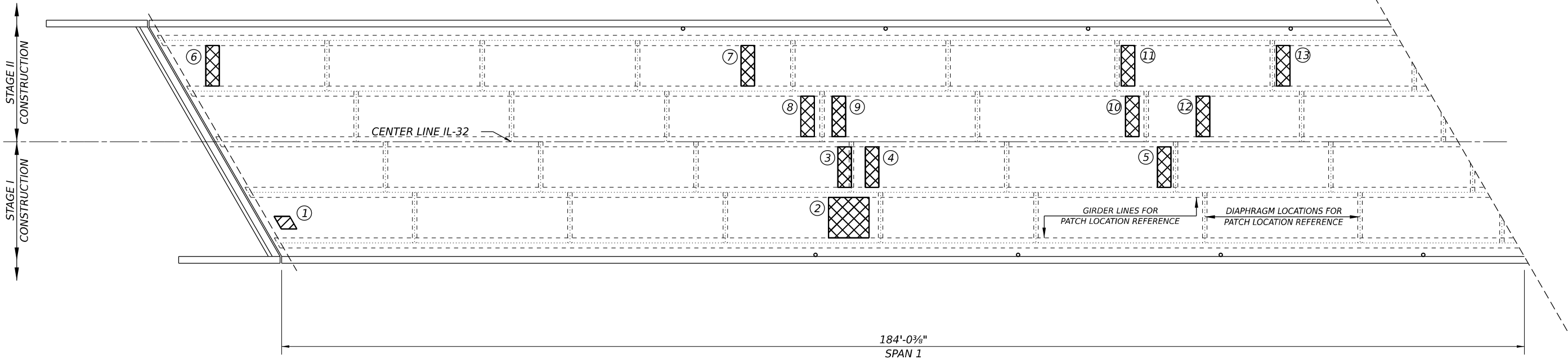


Shim plates shall not be placed under Bearing Assembly.



Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	10
Jack and Remove Existing Bearings	Each	10
Furnishing and Erecting Structural Steel	Pound	2080
Anchor Bolts, 1"Ø	Each	40

BRIDGE DECK PATCHING
SPAN ONE S.N. 074-3171



PLAN VIEW

PATCH NO.	SIZE W. FT. • L. FT.	DECK SLAB REPAIR (PART DEPTH)	DECK SLAB REPAIR (FULL DEPTH TYPE I)	DECK SLAB REPAIR (FULL DEPTH TYPE II)	
		SQ YD	SQ YD	SQ YD	
1	2.00 * 2.00		0.45		
2	6.00 * 6.00			4.00	
3	6.00 * 2.00			1.33	
4	6.00 * 2.00			1.33	
5	6.00 * 2.00			1.33	
6	6.00 * 2.00			1.33	
7	6.00 * 2.00			1.33	
8	6.00 * 2.00			1.33	

PATCH NO.	SIZE W. FT. • L. FT.	DECK SLAB REPAIR (PART DEPTH)	DECK SLAB REPAIR (FULL DEPTH TYPE I)	DECK SLAB REPAIR (FULL DEPTH TYPE II)	
		SQ YD	SQ YD	SQ YD	
9	6.00 * 2.00			1.33	
10	6.00 * 2.00			1.33	
11	6.00 * 2.00			1.33	
12	6.00 * 2.00			1.33	
13	6.00 * 2.00			1.33	

PATCH NO.	SIZE W. FT. • L. FT.	DECK SLAB REPAIR (PART DEPTH)	DECK SLAB REPAIR (FULL DEPTH TYPE I)	DECK SLAB REPAIR (FULL DEPTH TYPE II)	
		SQ YD	SQ YD	SQ YD	

LEGEND



DECK SLAB REPAIR (FULL DEPTH TYPE I)



DECK SLAB REPAIR (FULL DEPTH TYPE II)

BILL OF MATERIALS

ITEM	UNIT	TOTAL
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	0.4
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	18.6

DECK SURVEY PERFORMED ON
APRIL 2025.

METHOD OF SURVEY: VISUAL

THE ENGINEER SHALL SHOW
ACTUAL LOCATIONS OF DECK SLAB
REPAIR ON THE AS-BUILT PLANS.
THE PREFERRED METHOD OF
RECORDING THIS INFORMATION IS
DATA RECORDING BY GPS OR
TOTAL STATION, PROCESSED IN
MICROSTATION. IF DESIRED, THE
ENGINEER MAY RECORD BY HAND.

MODEL: Default
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USER NAME = eric.shawler
PLOT DATE = 7/25/2025

DESIGNED -
DRAWN - ESS
CHECKED - TJB
DATE -
REVISED -
REVISED -
REVISED -
REVISED -

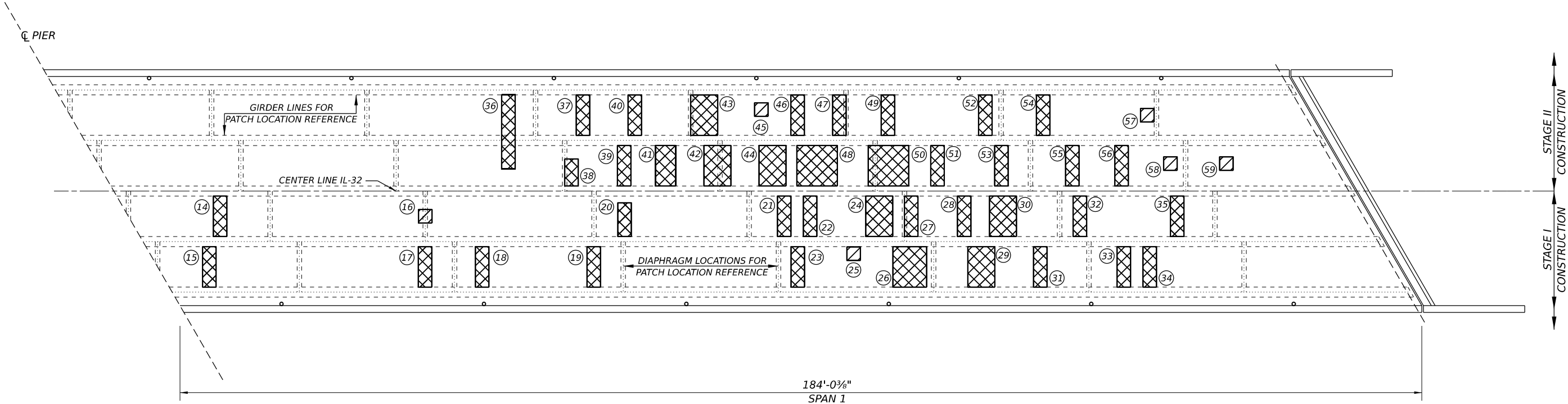
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING
SPAN ONE, S.N. 074-3171

SCALE: SHEET 20 OF 22 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	(76-00221-00)BR-1	PIATT	30	25
CONTRACT NO. 70E65				
ILLINOIS FED. AID PROJECT				

BRIDGE DECK PATCHING
SPAN TWO S.N. 074-3171



PLAN VIEW

PATCH NO.	SIZE W. FT. • L. FT.	DECK SLAB REPAIR (PART DEPTH)	DECK SLAB REPAIR (FD TY 1)	DECK SLAB REPAIR (FD TY 2)	
		SO YD	SO YD	SO YD	
14	6.00 * 2.00			1.33	
15	6.00 * 2.00			1.33	
16	2.00 * 2.00		0.45		
17	6.00 * 2.00			1.33	
18	6.00 * 2.00			1.33	
19	6.00 * 2.00			1.33	
20	6.00 * 2.00			1.33	
21	6.00 * 2.00			1.33	
22	6.00 * 2.00			1.33	
23	6.00 * 2.00			1.33	
24	6.00 * 4.00			2.67	
25	2.00 * 2.00		0.45		
26	6.00 * 5.00			3.34	
27	6.00 * 2.00			1.33	
28	6.00 * 2.00			1.33	
29	6.00 * 4.00			2.67	
30	6.00 * 4.00			2.67	

PATCH NO.	SIZE W. FT. • L. FT.	DECK SLAB REPAIR (PART DEPTH)	DECK SLAB REPAIR (FD TY 1)	DECK SLAB REPAIR (FD TY 2)	
		SO YD	SO YD	SO YD	
31	6.00 * 2.00			1.33	
32	6.00 * 2.00			1.33	
33	6.00 * 2.00			1.33	
34	6.00 * 2.00			1.33	
35	6.00 * 2.00			1.33	
36	11.00 * 2.00			2.45	
37	6.00 * 2.00			1.33	
38	4.00 * 2.00			0.89	
39	6.00 * 2.00			1.33	
40	6.00 * 2.00			1.33	
41	6.00 * 3.00			2.00	
42	6.00 * 4.00			2.67	
43	6.00 * 4.00			2.67	
44	6.00 * 4.00			2.67	
45	2.00 * 2.00		0.45		
46	6.00 * 2.00			1.33	
47	6.00 * 2.00			1.33	

PATCH NO.	SIZE W. FT. • L. FT.	DECK SLAB REPAIR (PART DEPTH)	DECK SLAB REPAIR (FD TY 1)	DECK SLAB REPAIR (FD TY 2)	
		SO YD	SO YD	SO YD	
48	6.00 * 6.00			4.00	
49	6.00 * 2.00			1.33	
50	6.00 * 6.00			4.00	
51	6.00 * 2.00			1.33	
52	6.00 * 2.00			1.33	
53	6.00 * 2.00			1.33	
54	6.00 * 2.00			1.33	
55	6.00 * 2.00			1.33	
56	6.00 * 2.00			1.33	
57	2.00 * 2.00		0.45		
58	2.00 * 2.00		0.45		
59	2.00 * 2.00		0.45		

LEGEND



DECK SLAB REPAIR (FULL DEPTH TYPE I)



DECK SLAB REPAIR (FULL DEPTH TYPE II)

BILL OF MATERIALS

ITEM	UNIT	TOTAL
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	2.8
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	70.0

DECK SURVEY PERFORMED ON
APRIL 2025.

METHOD OF SURVEY: VISUAL

THE ENGINEER SHALL SHOW
ACTUAL LOCATIONS OF DECK SLAB
REPAIR ON THE AS-BUILT PLANS.
THE PREFERRED METHOD OF
RECORDING THIS INFORMATION IS
DATA RECORDING BY GPS OR
TOTAL STATION, PROCESSED IN
MICROSTATION. IF DESIRED, THE
ENGINEER MAY RECORD BY HAND.

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USER NAME = eric.shawler
PLOT DATE = 10/2/2025

DESIGNED -
DRAWN - ESS
CHECKED - TJB
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

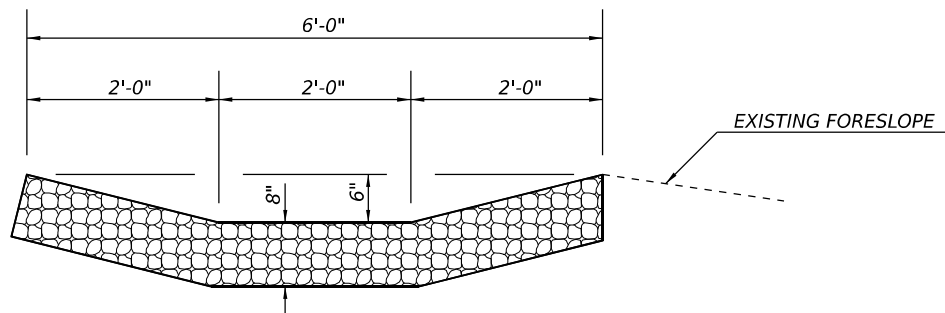
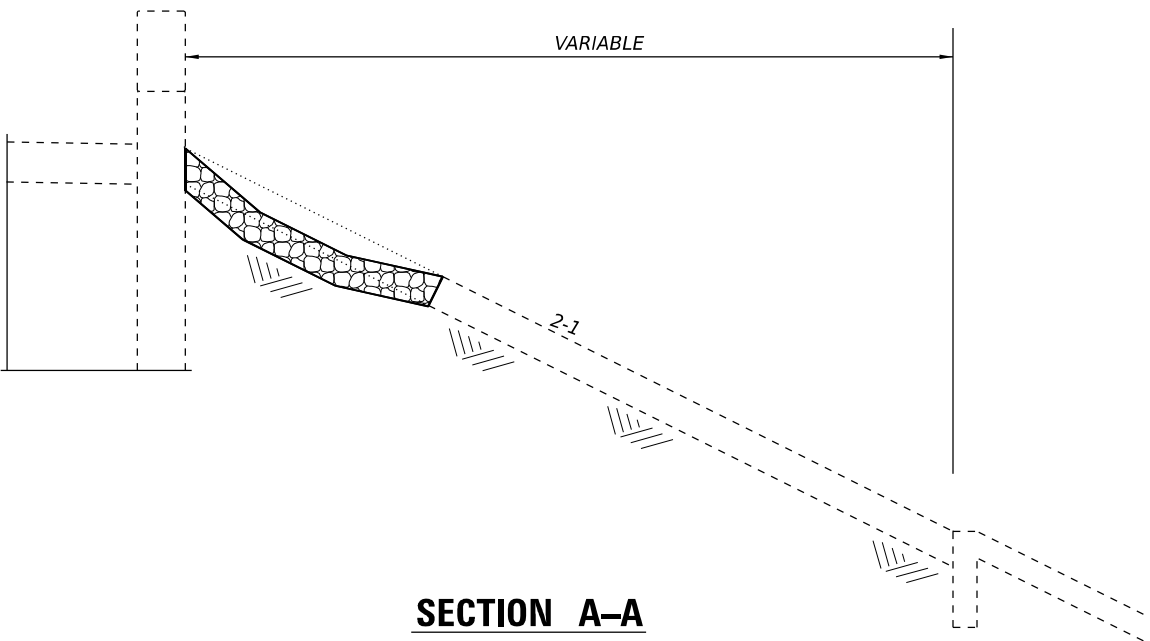
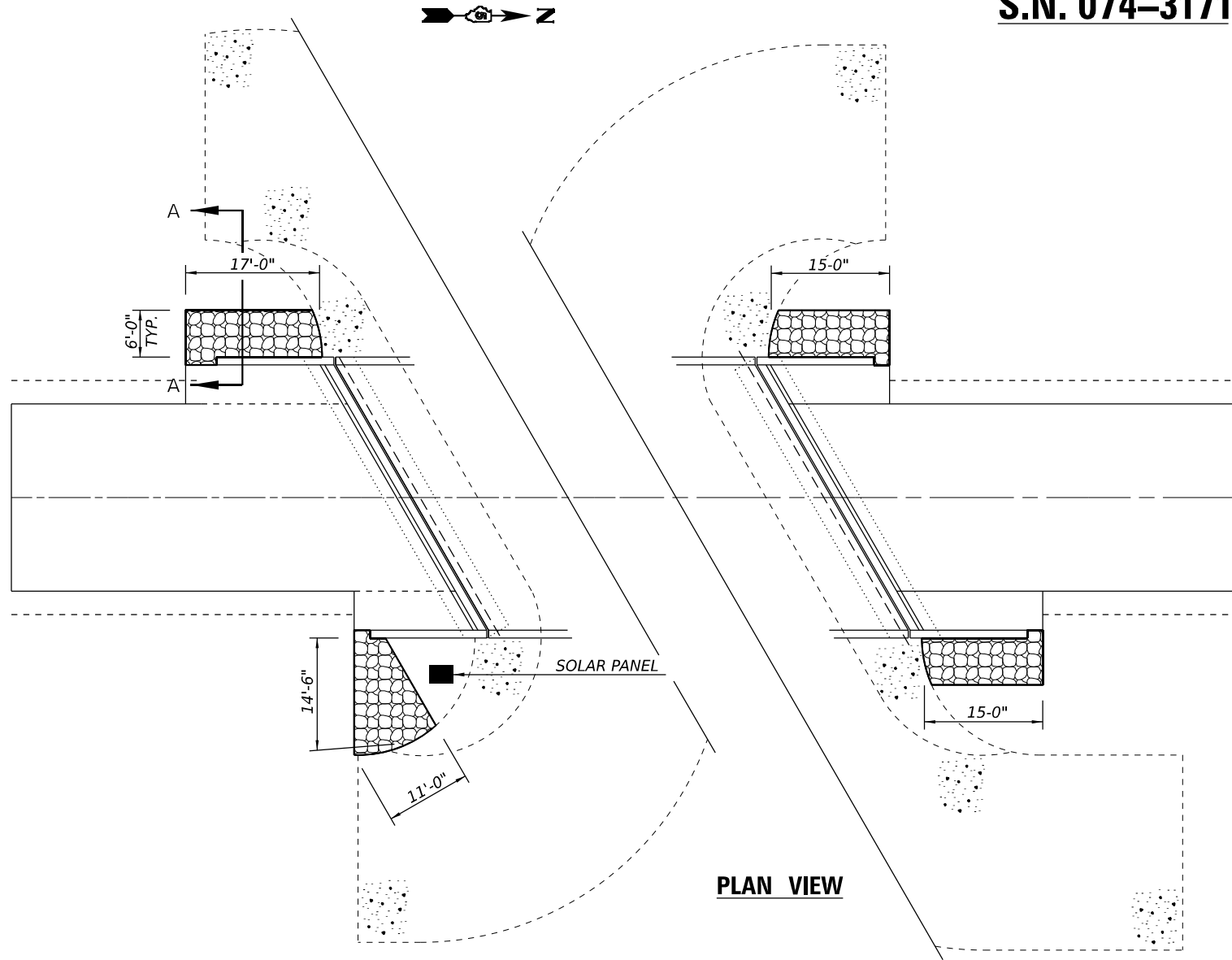
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING
SPAN TWO, S.N. 074-3171

SCALE: SHEET 21 OF 22 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	(76-00221-00)BR-1	PIATT	30	26
CONTRACT NO. 70E65				
ILLINOIS FED. AID PROJECT				

RIPRAP
S.N. 074-3171



- EXISTING CONCRETE SLOPEWALL
- STONE RIPRAP, CLASS A3

BILL OF MATERIALS

ITEM	UNIT	TOTAL
STONE RIPRAP, CLASS A3	TON	15.0

MODEL: Default
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USER NAME = eric.shawler	DESIGNED -	REVISED -
	DRAWN - ESS	REVISED -
	CHECKED - TJB	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIPRAP LOCATION SHEET
S.N. 074-3171

SCALE: SHEET 22 OF 22 SHEETS STA. TO STA.

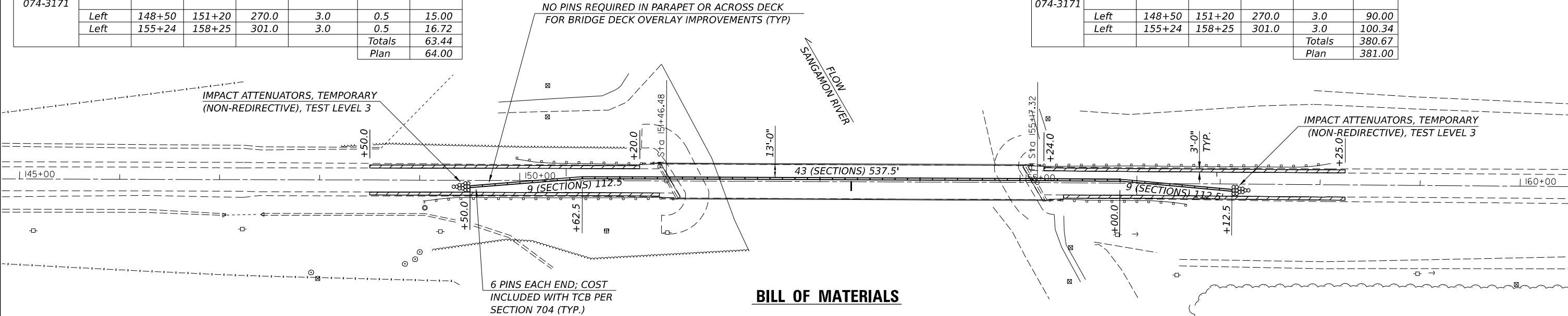
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	(76-00221-00)BR-1	PIATT	30	27
CONTRACT NO. 70E65				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: c:\pwr_work\pwr\shawleres\0991042\0570E65_Sht_Stage1.dgn

(6") EARTH EXCAVATION Stage I & II							
Structure	Side	Begin Station	End Station	Length (foot)	Shldr Width (foot)	Depth (foot)	Removal (cu yd)
074-3171	Right	148+50	151+39.5	289.5	3.0	0.5	16.08
	Right	155+43.5	158+25	281.5	3.0	0.5	15.64
	Left	148+50	151+20	270.0	3.0	0.5	15.00
	Left	155+24	158+25	301.0	3.0	0.5	16.72
						Totals	63.44
						Plan	64.00

TEMPORARY CONCRETE BARRIER
LAYOUT-STAGE I
S.N. 074-3171

(6") BASE COURSE (OPTION) (Pre-Stage) Stage I & II						
Structure	Side	Begin Station	End Station	Length (foot)	Shldr Width (foot)	Area (sq yd)
074-3171	Right	148+50	151+39.5	289.5	3.0	96.50
	Right	155+43.5	158+25	281.5	3.0	93.83
	Left	148+50	151+20	270.0	3.0	90.00
	Left	155+24	158+25	301.0	3.0	100.34
					Totals	380.67
					Plan	381.00



BILL OF MATERIALS

ITEM	UNIT	TOTAL
EARTH EXCAVATION	CU YD	32.0
BASE COURSE (OPTION)	SQ YD	191.0
TEMPORARY CONCRETE BARRIER	FEET	762.5
IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECT), TEST LEVEL 3	EACH	2.0

EARTH EXCAVATION
BASE COURSE (OPTION)

PLAN NOTES:

ALL STAGING DETAILS SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321 AND PAID FOR AT THE CONTRACT UNIT PRICE PER EACH LOCATION.

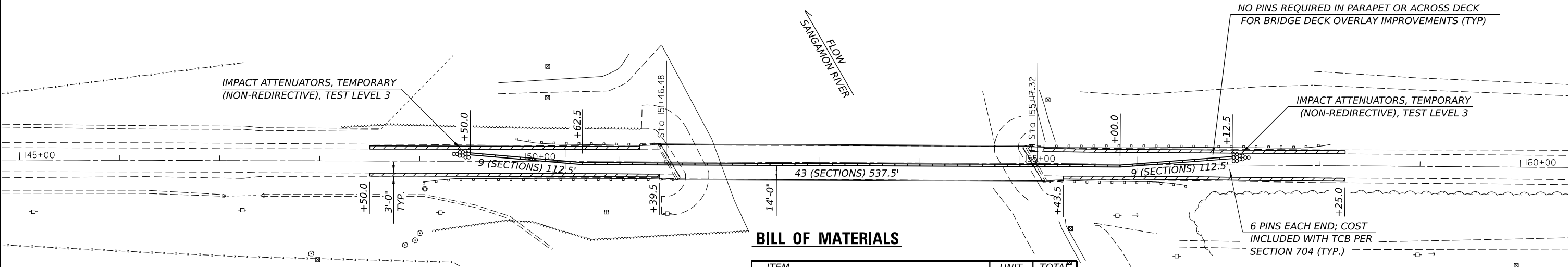
ALL WORK WITHOUT TEMPORARY CONCRETE BARRIER IN PLACE SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARDS 701201 AND 701206.

FOR ADDITIONAL DETAILS ASSOCIATED WITH TEMPORARY CONCRETE BARRIER, SEE HIGHWAY STANDARD 704001.

REFLECTOR SHALL BE ATTACHED TO GUARDRAIL AND BARRIER WALL AT 25 FOOT CENTERS. COST TO BE INCLUDED WITH TRAFFIC CONTROL AND PROTECTION STANDARD 704001.

REFLECTORIZED TEMPORARY MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER, AND ALONGSIDE BOTH SIDES OF THE WORK AREA. EXISTING MARKINGS THAT CONFLICT WITH THE STAGED TRAFFIC MARKINGS SHALL BE REMOVED OR COVERED. COST TO REMOVE EXISTING MARKINGS AND FOR THE PLACEMENT AND REMOVAL OF TEMPORARY MARKINGS SHALL BE INCLUDED WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

TEMPORARY CONCRETE BARRIER
LAYOUT-STAGE II
S.N. 074-3171



BILL OF MATERIALS

ITEM	UNIT	TOTAL
EARTH EXCAVATION	CU YD	32.0
BASE COURSE (OPTION)	SQ YD	190.0
RELOCATE TEMPORARY CONCRETE BARRIER	FEET	762.5
IMPACT ATTENUATOR, RELOCATE (NON-REDIRECT), TEST LEVEL 3	EACH	2.0

EARTH EXCAVATION
BASE COURSE (OPTION)

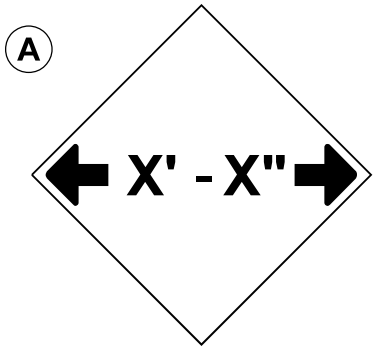
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		DRAWN - ESS	REVISED -
		CHECKED - TJB	REVISED -
	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER LAYOUT
S.N. 074-3171

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	(76-00221-00)BR-1	PIATT	30	28
CONTRACT NO. 70E65				
ILLINOIS FED. AID PROJECT				

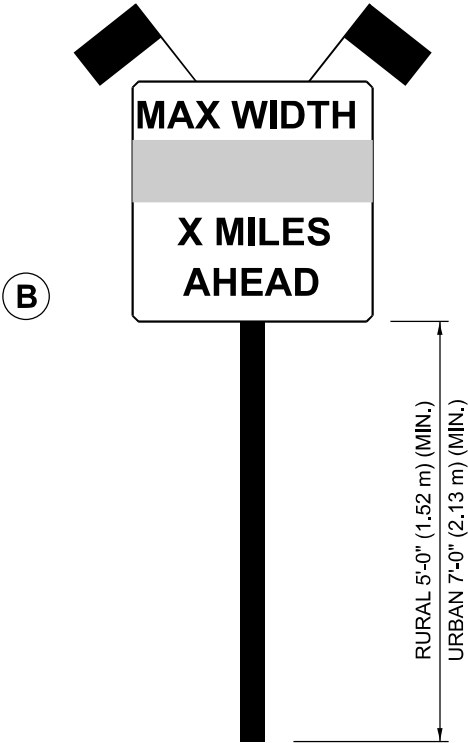


W12-2(0)-48"x48"(1200x1200)

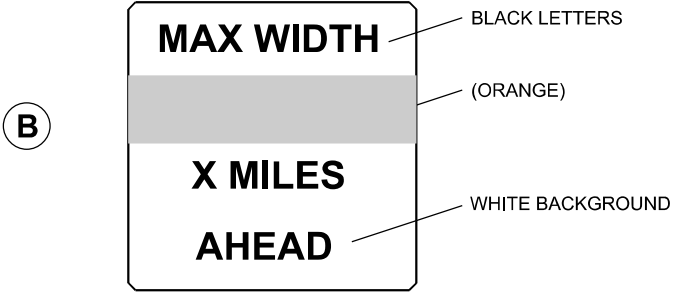
SIGN (A) 2 SIGNS - W12-2(O)-48"x48"(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

STAGE WIDTHS:
STAGE 1 WIDTH = 13'-0" ACTUAL: 11'-6" POSTED REQUIRED
STAGE 2 WIDTH = 14'-0" ACTUAL: 12'-6" POSTED REQUIRED



SIGN PANEL, TYPE II



W12-I103(O)-48"x48"(1200x1200)
"D" LETTERS/NUMBERS

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.
7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL: SHT_PLAN
FILE NAME: C:\Bentley\CONNECT101\Organization-Civil\DOT_Standards\Cali\DOT_Sheets.cel

	USER NAME	= Eric.Thomas	DESIGNED	-		REVISED	-	05-08/
			DRAWN	-		REVISED	-	10-08 KJT
	PLOT SCALE	= \$\$SCALE\$	CHECKED	-		REVISED	-	07-09 KJT
	PLOT DATE	= 12/7/2022	DATE	-		REVISED	-	03-11 KJT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING			
SCALE:	SHEET 1	OF 2	SHEETS
STA.		TO STA.	

DISTRICT 5 DETAIL NO. X7200201				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	976-00221-00)BR-1	PIATT	30	29
		CONTRACT NO. 70E65		
ILLINOIS		FED. AID PROJECT		

WIDTH RESTRICTION SIGNING FOR STRUCTURE REPAIRS
SOUTH OF CISCO S.N. 074-3174

CERRO GORDO INTERSECTION IL 32 & IL 105

- B1

SOUTH OF IL 32 / IL 105 INTERSECTION
ERECT NEAR CISCO 9 GREENBOARD
INCLUDE 4 MILES AHEAD

4 MILE
- A1

NORTH OF IL 32 / IL 105 INTERSECTION
ERECT NEAR CLARKSON SIGN AT INTERSECTION
INCLUDE 4 MILES AHEAD

4 MILE

CISCO INTERSECTION IL 32 & RTE. 47

- B2

SOUTH OF IL 32 / RTE. 47 INTERSECTION
ERECT NEAR SCHOOL BUS SIGN
INCLUDE 4 MILES AHEAD

4 MILE
- A2

WEST OF IL 32 / RTE. 47 INTERSECTION
ERECT NEAR CISCO\CERRO GORDO GREENBOARD
INCLUDE RIGHT ARROW SIGN


- A3

EAST OF IL 32 / RTE. 47 INTERSECTION
ERECT NEAR CISCO\CERRO GORDO GREENBOARD
INCLUDE LEFT ARROW SIGN





MODEL: Default
FILE NAME: c:\pwwork\pwwork\shawleres\0991042\0570E65_Sht_WRS.dgn

USER NAME = eric.shawler	DESIGNED -	REVISED -
	DRAWN - ESS	REVISED -
	CHECKED - TJB	REVISED -
PLOT DATE = 7/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING S.N. 074-3171			
SCALE:	SHEET 2	OF 2	SHEETS
STA.	TO STA.		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	(76-00221-00)BR-1	PIATT	30	30
CONTRACT NO. 70E65				
ILLINOIS FED. AID PROJECT				