04-27-2018 LETTING ITEM 094

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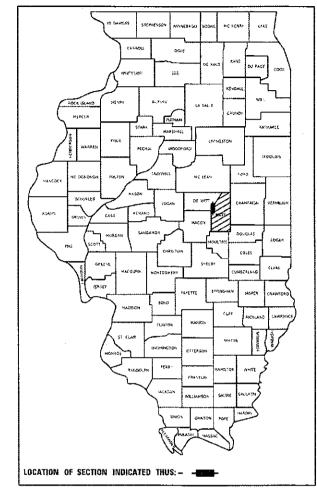
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PIATT (125)BJR FLINOIS CONTRACT NO. 70C98

D-95-008-18



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DIRECTOR OF HIGHWAYS PROJECT MPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROPOSED HIGHWAY PLANS

FAP ROUTE 760 (IL-48) SECTION (125)BJR **PROJECT** BRDIGE DECK REPAIRS FRIENDS CREEK **DITCH SOUTH OF WELDON** PIATT COUNTY

C-95-022-18

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3-5

IL-48

FOR INDEX OF SHEETS, SEE SHEET NO. 2

CURRENT TRAFFIC DATA STR. 074-0015

2017 ADT = 1,300

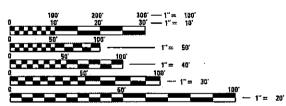
2037 ADT = 1,550

= 7.7 = 19.2

DESIGN DESIGNATION

MINOR ARTERIAL

TOWNSHIP: PIATT



EXISTING S.N. 074-0015 F.A.P. 760 (IL-48)

OVER FRIENDS CREEK DITCH STATION 1030+89.60 BRIDGE DECK REPAIRS

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.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

TOWNSHIP: GOOSE CREEK

PROJECT ENGINEER: TIM BRADENBURG PROJECT MANAGER: ERIC SHAWLER

1-217-465-4181

CONTRACT NO. 70C98

R 4 E

GROSS LENGTH = 150.00 FT. = 0.028 MILE NET LENGTH = 150.00 FT. = 0.028 MILE

6

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
6-7	STAGE CONSTRUCTION DETAILS
8-9	DETAILS FOR MILLING & PAVING TRANSITIONS
10-32	STRUCTURE PLANS S.N. 074-0015
33	RIPRAP LOCATION SHEET
34-35	DETAILS FOR WIDTH RESTRICTION SIGNING
36	TRAFFIC CONTROL & PROTECTION DEVICES (ROAD & SIDEROAD/STREET CLOSURES)

LIST OF HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND FOOT
701006-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM EDGE OF PAVEMENT
701201-04	LANE CLOSURE, 2L,2W, DAY ONLY, FOR SPEEDS > = 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701321-17	LANE CLOSURE, 2L,2W, BRIDGE REPAIR WITH BARRIER
701901-07	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.-406

THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-406H

MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

Location	IL 48	IL 48
Mixture Use	Surface &	Shoulders
	Top lift of Shoulders	(Bottom 4 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 9.5	IL 19.0
Friction Aggregate	Mix D	N.A.
Mixture Weight	112	112
Quality Management Program	QC/QA	QC/QA
Sublot Size	N.A.	N.A.

G.N.-482

ALL LOW ESAL MIXTURE PLACED AS HOT-MIX ASPHALT SHOULDERS SHALL BE COMPACTED TO 94.0 – 98.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY. THIS REQUIREMENT SHALL APPLY TO IL 9.5L GRADATION MIXES. THIS MAXIMUM DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE OF FOUR TESTS AS IN OTHER QC/QA TESTING. A NUCLEAR GAUGE DENSITY/CORE CORRELATION SHALL BE PERFORMED FOR THE IL 9.5L USING STANDARD CORRELATION PROCEDURES WHEN MORE THAN 3,000 TONS ARE TO BE PLACED.

G.N.-609

PRIOR TO ROUTING TRAFFIC ONTO THE SHOULDERS AS SHOWN IN THE STAGING PLANS, THE CONTRACTOR SHALL SECURE THE GRATINGS ON SHOULDER INLETS AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

THE DEPARTMENT HAS ELECTED TO ACCOMPLISH THE FINAL PAVEMENT MARKINGS WITH ITS OWN FORCES. THE RESIDENT ENGINEER SHALL NOTIFY THE TRAFFIC OPERATIONS SUPERVISOR GARY SIMS (251-4859) AS SOON AS ALL WORK HAS BEEN COMPLETED AND THE ROADWAY HAS BEEN REOPENED TO COORDINATED STRIPING.

SEE R.E. FILE FOR CALCULATIONS AND SCHEDULES.

THERE ARE NO COMMITMENTS ASSOCIATED WITH THIS PROJECT.

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	PLOT DATE = 12/21/2017	DATE -	REVISED -	

I	IND.	EX OF	SHE	ETS,	STA	NDARD	S, GEN	ERAL NOTES	F.A.P. RTE.	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.
I					\$ 1	N. 074-0	1015		760	(125)BJR		PIATT	36	2
Į						1. 0/7	7013						CONTRACT	NO. 70	0C98
I	SCALE:	SHEET	1	OF	1	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		

			RURAL / TWO-LANE
			BRIDGE DECK REPAIR
			S.N. 074-0015
			100% STATE
			0013
CODE			
NO.	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	ÇU YD	34.0
28100205	STONE RIPRAP, CLASS A3	TON	25.0
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	219.0
40603415	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, N50	TON	25.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	15.0
	-		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	68.0

* SPECIALTY ITEM

50102400 CONCRETE REMOVAL

50300300 PROTECTIVE COAT

50800515 BAR SPLICERS

52100520 ANCHOR BOLTS, 1"

CONCRETE SUPERSTRUCTURE

50800205 REINFORCEMENT BARS, EPOXY COATED

52100010 ELASTOMERIC BEARING ASSEMBLY, TYPE I

50500405 FURNISHING AND ERECTING STRUCTURAL STEEL

50300255

 USER NAME = shawleres	DESIGNED -	REVISED -			SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	SHEETS	SHEET!	
	DRAWN -	REVISED -	STATE OF ILLINOIS		_		S.N. 074			760	(125)BJR	PIATT	36	3
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION				3.N. U/4	-0013				CONTRAC	T NO. 7	70C98
PLOT DATE = 1/16/2018	DATE -	REVISED -		SCALE:	SHEET 1	OF 3	SHEET	S STA.	TO STA.		ILLINOIS FED.	AID PROJECT		

PIATT CO. FAP 760 (IL-48)

8.7

10.0

312.0

2,320.0

1,140.0

24.0

6.0

12.0

CU YD

CU YD

SQ YD

POUND

POUND

EACH

EACH

EACH

			S.N. 074-0015
			100% STATE
CODE			0013
NO.	ITEM	UNIT	QUANTITY
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3.0
67100100	MOBILIZATION	LSUM	1.0
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1.0
70100450	TRAFFIC CONTROL AND PROTECTION STANDARD 704204	LSUM	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1.0
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1.0
70400100	TEMPORARY CONCRETE BARRIER	FOOT	387.5
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	362.5
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2.0
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	295.0
X5030250	PRIDGE DECK CROOVING (LONGITUDINAL)	60 VD	050.0
A0030200	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	250.0
X7200201	WIDTH RESTRICTION SIGNING	LSUM	1.0
/	THE	LOOM	1.0
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	6.0
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	2,250.0
		• • • • • • • • • • • • • • • • • • • •	

PIATT CO. FAP 760 (IL-48) RURAL / TWO-LANE BRIDGE DECK REPAIR

* SPECIALTY ITEM

F.A.P. RTE. 760 DESIGNED -REVISED -SUMMARY OF QUANTITIES SECTION STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION DRAWN REVISED (125)BJR S.N. 074-0015 PLOT SCALE = 40.0000 1 / in. CHECKED REVISED PLOT DATE = 1/16/2018 DATE REVISED SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

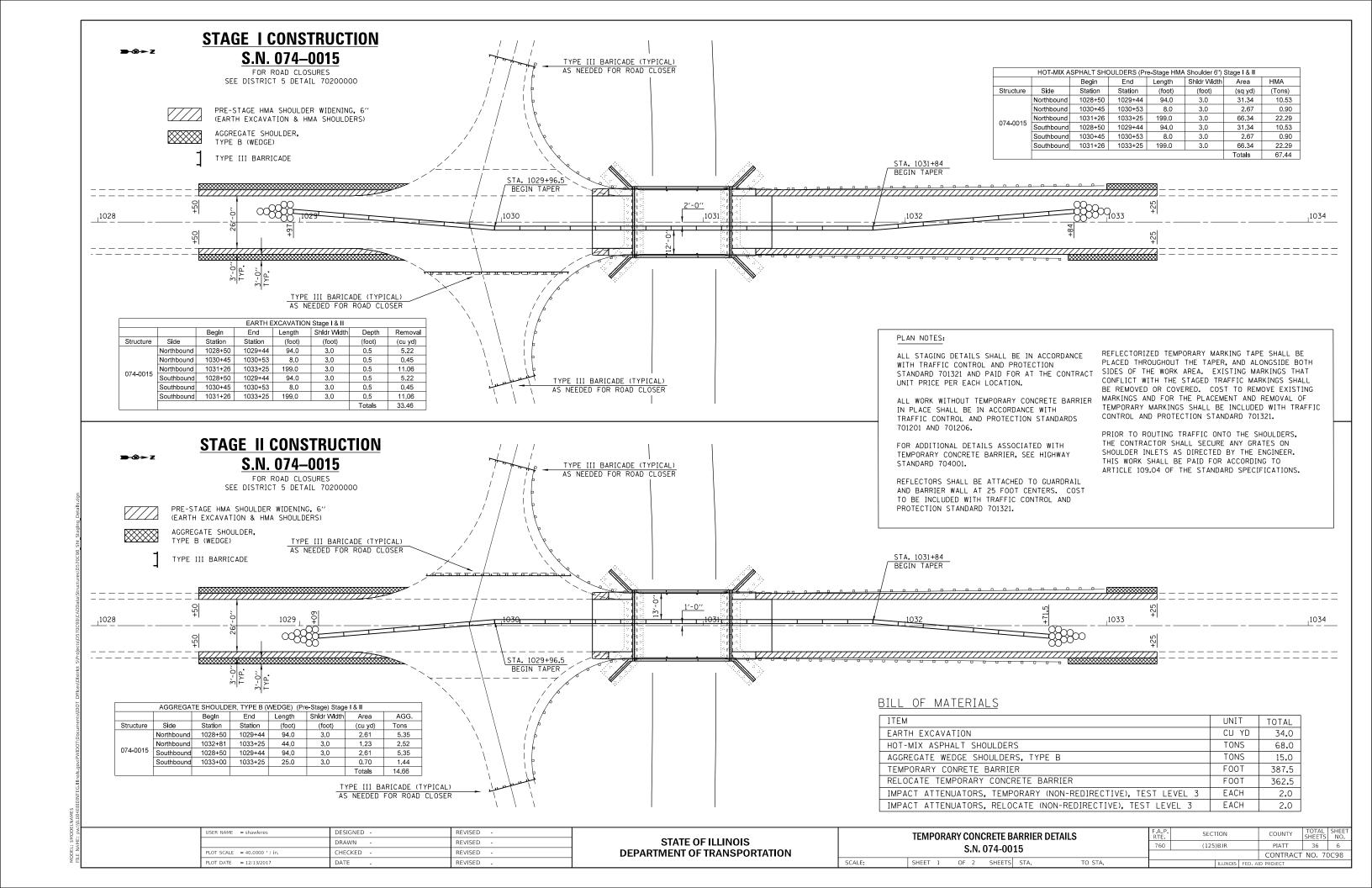
		_	
			PIATT CO.
			FAP 760 (IL-48)
			RURAL / TWO-LANE
			BRIDGE DECK REPAIR
			S.N. 074-0015
			100% STATE
			0013
CODE			
NO.	ITEM	UNIT	QUANTITY
Z0001905	STRUCTURAL STEEL REPAIR	POUND	2,580.0
Z0006012	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	288.0
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	288.0
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	311.5
			-
Z0013798	CONSTRUCTION LAYOUT	LSUM	1.0
•			
Z0021906	SILICONE JOINT SEALER, 1.5"	FOOT	36.0
Z0021908	SILICONE JOINT SEALER, 2"	FOOT	36.0
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	270.0
Z0041895	POLYMER CONCRETE	CU FT	8.1
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* SPECIALTY ITEM

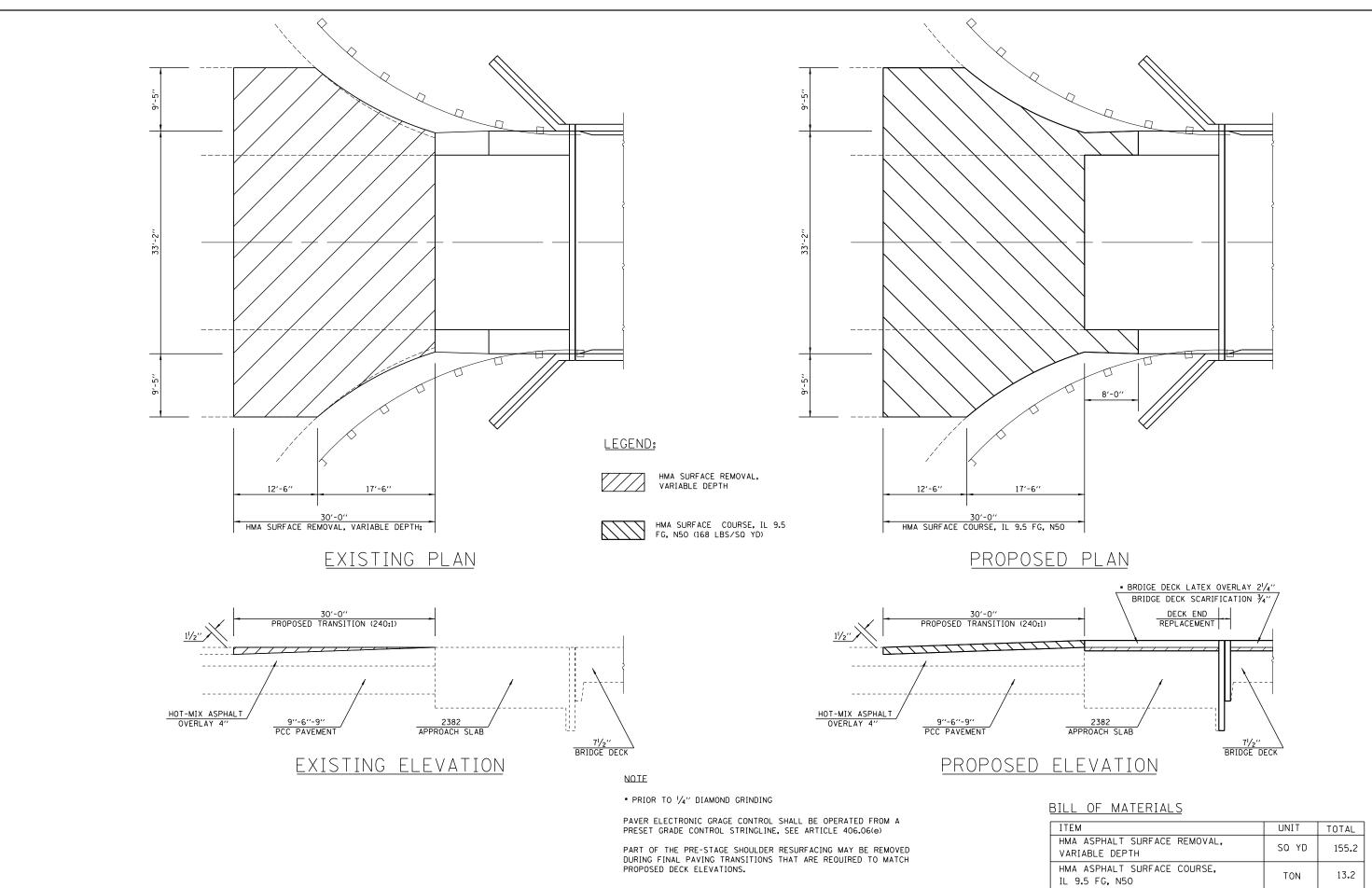
USER NAME = shawleres	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000 ' / in.	CHECKED +	REVISED +
PLOT DATE = 12/13/2017	DATE -	REVISED -

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	

SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.N. 074-0015	760	(125)BJR	PIATT	36	5
0/4. 0/1-00/S	ļ —		CONTRAC	T NO. 70	0C98
SHEET 3 OF 3 SHEETS STA. TO STA.	i	ILLINOIS FED. A	ID PROJECT		



EXISTING TYPICAL CROSS SECTION STA. 1025 + 00.00 TO STA. 1035 + 00.00 80'-0", 90'-0" & VARIABLE 13'-0'' 13'-0'' 3'-0'' 3'-0" 1.5% 1.5% AGGREGATE SHOULDERS, HMA RESURFACING, 4" TYPE B (WEDGE) 9-6-9 PCC PAVEMENT HMA BASE COURSE WIDENING, 9" PROPOSED TYPICAL CROSS SECTION **STATION STATION TO** * AGGREGATE SHOULDER, TYPE B (WEDGE) NOT REQUIRED AT GUARDRAIL LOCATIONS 1030 + 15.131030 + 45.13 SOUTH APPROACH TRANSITION 1031 + 34.071031 + 64.07 NORTH APPROACH TRANSITION 80'-0", 90'-0" & VARIABLE 3'-0'' | 3'-0'' 13'-0'' 13'-0'' 3'-0" | 3'-0" * AGGREGATE SHOULDER, TYPE B (WEDGE) 1.5% 4.0% 4.0% PRE-STAGE HMA SHOULDER WIDENING, 6" AGGREGATE SHOULDER, TYPE B (WEDGE) (EARTH EXCAVATION & HMA SHOULDERS) **STATION** <u>STATION</u> PRE-STAGE HMA SHOULDER WIDENING, 6" <u>STATION</u> <u>STATION</u> 1029+44 1028+50 (EARTH EXCAVATION & HMA SHOULDERS) 1028+50 1029+44 1033+25 1031+26 1030+45 1030+53 HMA SURFACE REMOVAL, VARIABLE DEPTH & 1031+26 1033+25 HMA SURFACE COURSE, IL 9.5 FG, N50 $(1\frac{1}{2})$ JSER NAME = shawleres DESIGNED -REVISED SECTION TYPICAL CROSS SECTION STATE OF ILLINOIS DRAWN REVISED (125)BJR PIATT 36 7 S.N. 074-0015 **DEPARTMENT OF TRANSPORTATION** CHECKED REVISED CONTRACT NO. 70C98 PLOT DATE = 12/13/2017 REVISED SHEET 2 OF 2 SHEETS STA. TO STA. DATE



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JSER NAME = shawleres

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

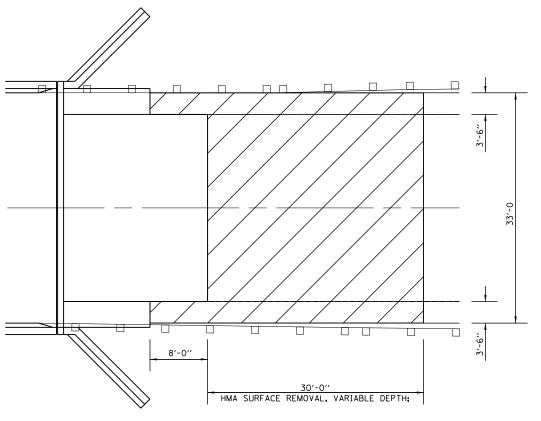
SOU	TH A			CH TRAN: 074-00		DETAILS
SHEET	1	OF	2	SHEETS	STA.	TO STA.

SCALE:

F.A. P. RTE. SECTION COUNTY TOTAL SHEET'S NO.

760 (125)BJR PIATT 36 8

CONTRACT NO. 70C98



EXISTING PLAN

LEGEND:

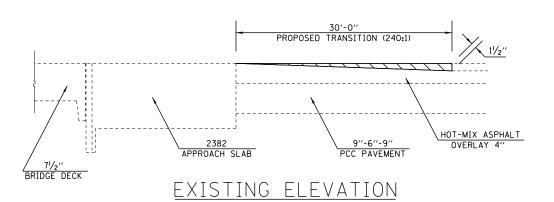
HMA SURFACE REMOVAL, VARIABLE DEPTH

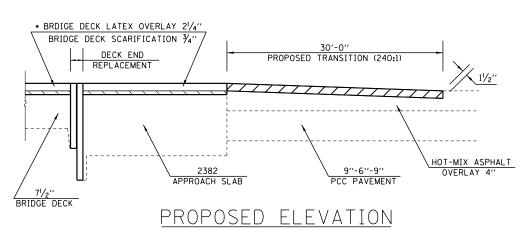
PROPOSED PLAN

HMA SURFACE REMOVAL, VARIABLE DEPTH;



HMA SURFACE COURSE, IL 9.5 FG, N50 (168 LBS/SQ YD)





NOTE

• PRIOR TO 1/4" DIAMOND GRINDING

PAVER ELECTRONIC GRAGE CONTROL SHALL BE OPERATED FROM A PRESET GRADE CONTROL STRINGLINE, SEE ARTICLE 406.06(e)

PART OF THE PRE-STAGE SHOULDER RESURFACING MAY BE REMOVED DURING FINAL PAVING TRANSITIONS THAT ARE REQUIRED TO MATCH PROPOSED DECK ELEVATIONS.

SCALE:

BILL OF MATERIALS

ITEM	UNIT	TOTAL
HMA ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	139.8
HMA ASPHALT SURFACE COURSE, IL 9.5 FG, N50	TON	11.8

	USER NAME = shawleres	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/16/2018	DATE -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

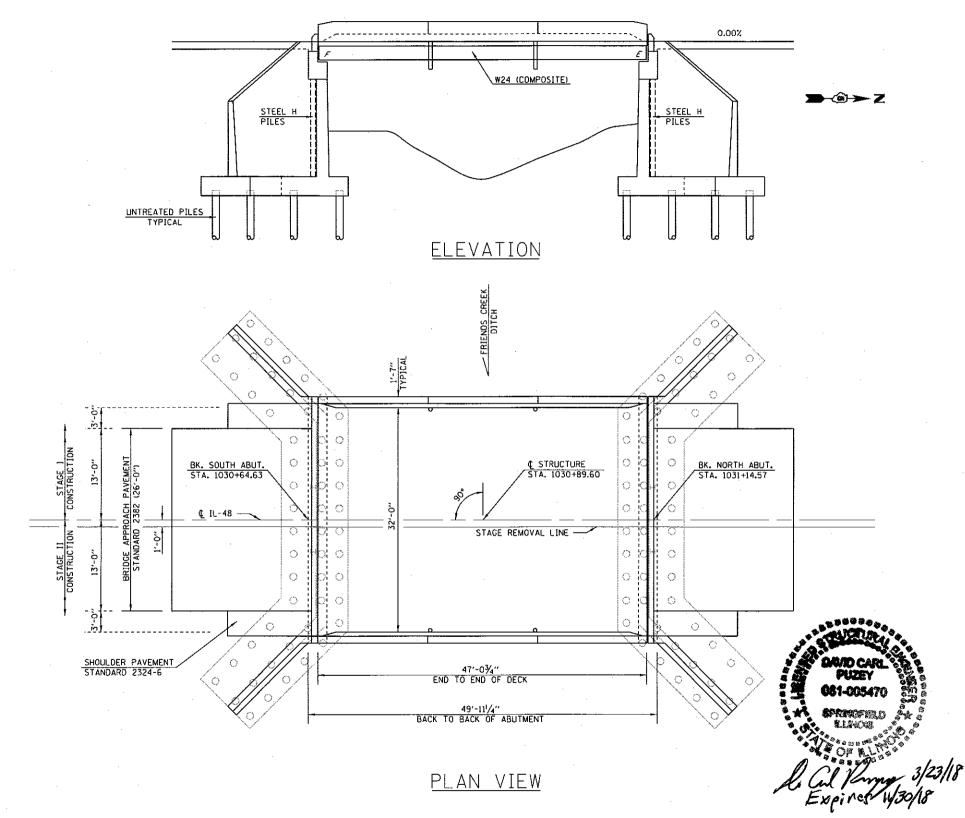
NORTH APPROACH TRANSITION DETAILS	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.N. 074-0015	760	(125)BJR	PIATT	36	9
3.11. 07 4-0013			CONTRACT	NO. 70	C98
SHEET 2 OF 2 SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROJECT		

MODEL: \$MODELINAME\$
THE NAME: DW:\\ILO84EBIDINTEG.IIIIng

STRUCTURE NO. 074-0015 WAS ORIGINALLY BUILT AS SEC. 125B IN 1931 AT STATION 1030+92. A SINGLE SPAN REINFORCED CONCRETE DECK GIRDER ON CLOSED ABUTMENTS WITH SPREAD FOOTINGS SUPPORTED BY PILES. IN 1987 THE DECK AND SUPERSTRUCTURE WAS REMOVED AND REPLACED AS CONTRACT 40086, FA 760 SEC. 125BR-1 AT STATION 1030+89.60. THE ABUTMENTS WERE MODIFIED TO ACCOMMODATE THE NEW STEEL BEAM SUPERSTRUCTURE THAT SUPPORTS A 7½" CONCRETE DECK. THE EXISTING STRUCTURE HAS A BACK TO BACK ABUTMENT LENGTH OF 49'-11'/4" AN OUT TO OUT WIDTH OF 35'-2" AND A ROADWAY WIDTH OF 32'-0". THE EXISTING STRUCTURE IS NOT SKEWED.

GENERAL PLAN & ELEVATION S.N. 074–0015

METHOD OF CONSTRUCTION IS STAGE CONSTRUCTION.



GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE 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.

JOINT OPENINGS SHALL BE ADJUSTED ACCORDING TO ARTICLE 520.04 OF THE STANDARD SPECIFICATIONS WHEN THE DECK IS POURED AT AN AMBIENT TEMPERATURE OTHER THAN 50° F.

ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO CLASSIFICATION M-270 GR. 36, UNLESS OTHERWISE NOTED.

REINFORCEMENT BARS DESIGNATED (e) SHALL BE EPOXY COATED.

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".

ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH THE INORGANIC ZINC RICH PRIMER PER AASHTO M300, TYPE I. COST INCLUDED WITH FURNISHING AND ERECTING STRUCTURAL STEEL.

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

A VISUAL DECK SURVEY WAS PERFORMED ON AUGUST 25, 2017, DETERMINED FULL DEPTH PATCHING WOULD NOT BE REQUIRED. SHOULD AREAS FOR FULL-DEPTH PATCHING BE IDENTIFIED AFTER BRIDGE DECK SCARIFICATION, THE R.E. SHALL PLOT THEM ON THE BRIDGE DECK PATCHING SHEET PROVIDED.

TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	8.7
CONCRETE SUPERSTRUCTURE	CU YD	10.0
PROTECTIVE COAT	SQ YD	312.0
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	2,320.0
REINFORCEMENT BARS, EPOXY COATED	POUND	1,140.0
ELASTOMERIC BEARING ASSEMBLY, TYPE 1	EACH	6.0
ANCHOR BOLTS, 1"	EACH	12.0
BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	250.0
JACK AND REMOVE EXISTING BEARINGS	EACH	6.0
STRUCTURAL STEEL REMOVAL	POUND	2,250.0
STRUCTURAL STEEL REPAIR	POUND	2,580
BRIDGE DECK LATEX CONCRETE OVERLAY, 21/4"	SQ YD	288.0
BRIDGE DECK SCARIFICATION 3/4"	SQ YD	288.0
STRUCTURAL REPAIR OF CONCRETE	SQ YD	311.5
(DEPTH = TO OR < 5 INCH)	FOOT	76.0
SILICONE JOINT SEALER, 1.5"	FOOT	36.0
SILICONE JOINT SEALER, 2"	FOOT	.36.0
DIAMOND CRINDING (BRIDGE SECTION)	SO YD	270.0
POLYMER CONCRETE	CU FT	8.1

* PRIOR TO 1/4" DIAMOND CRINDING

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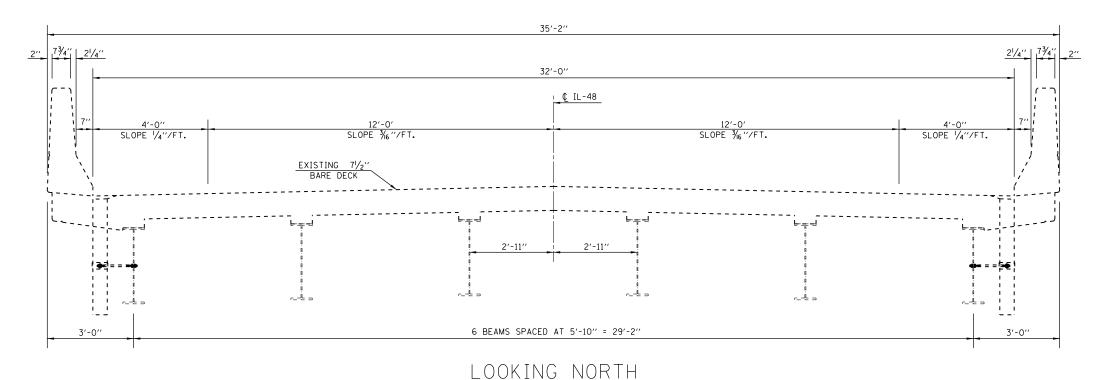
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

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		S	N i	074-00	15		760	
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SHEET	1	OF	23	SHEETS	STA.	TO STA.	_	

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EXISTING DECK CROSS SECTION S.N. 074-0015

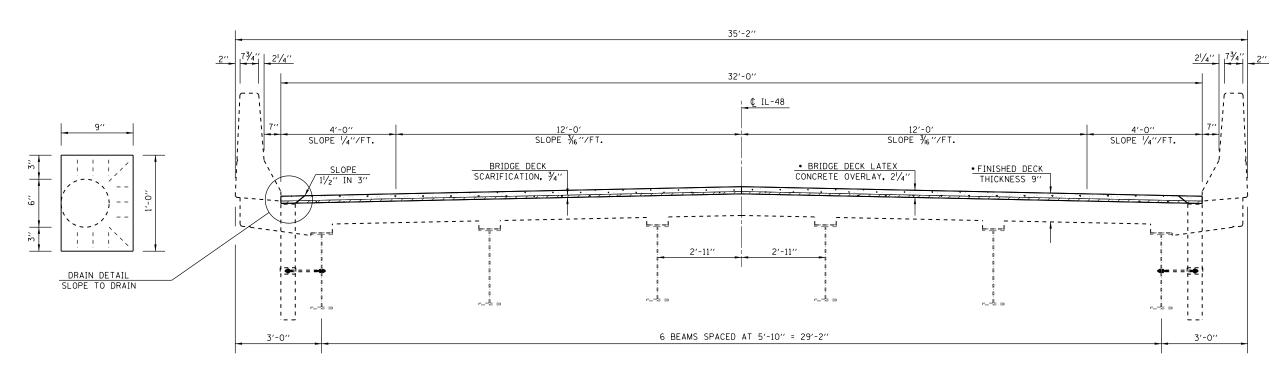


PROPOSED DECK CROSS SECTION S.N. 074–0015

NOTE

• PRIOR TO 1/4" DIAMOND GRINDING

FIBER IS REQUIRED FOR BRIDGE DECK LATEX CONCRETE OVERLAY, 21/4"

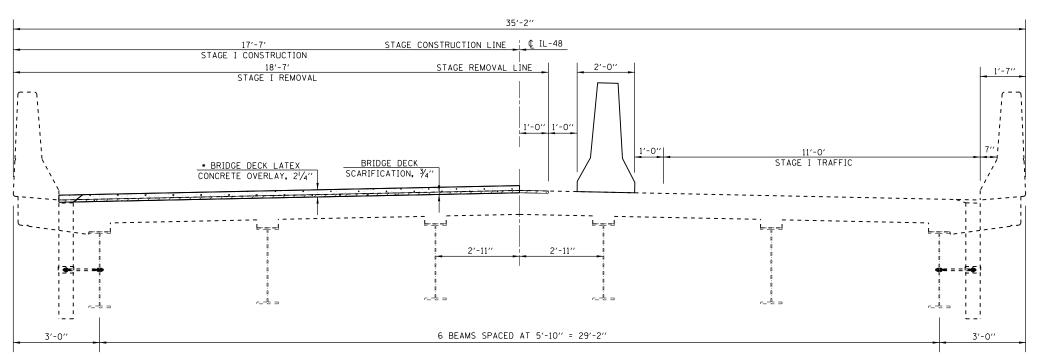


LOOKING NORTH

USER NAME = shawleres	DESIGNED - ESS	REVISED -			BRIDGE DECK CROS	S SECTION		F.A.P.	SECTION	COUNTY	TOTAL
	DRAWN - ESS	REVISED -	STATE OF ILLINOIS					760	(125)BJR	PIATT	36
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		S.N. 074-00	113				CONTRACT	T NO. 7
PLOT DATE = 12/13/2017	DATE -	REVISED -		SCALE:	SHEET 2 OF 23 SHEETS	STA.	TO STA.		ILLINOIS FED	AID PROJECT	

STAGE I CONSTRUCTION DETAIL S.N. 074–0015

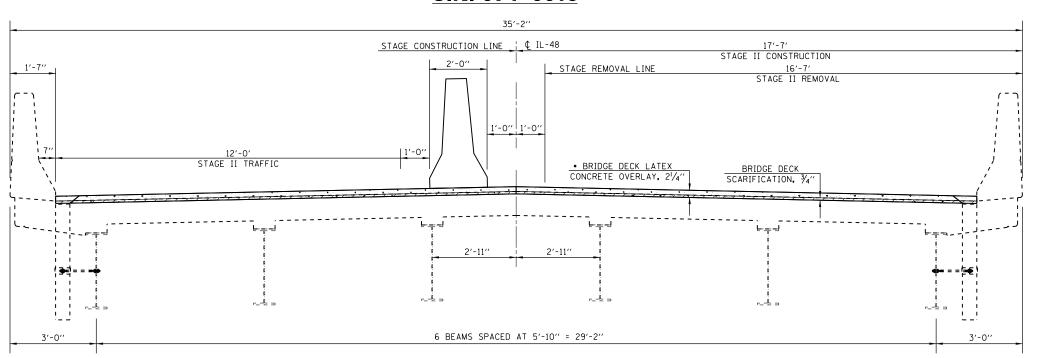
* PRIOR TO 1/4" DIAMOND GRINDING



LOOKING NORTH

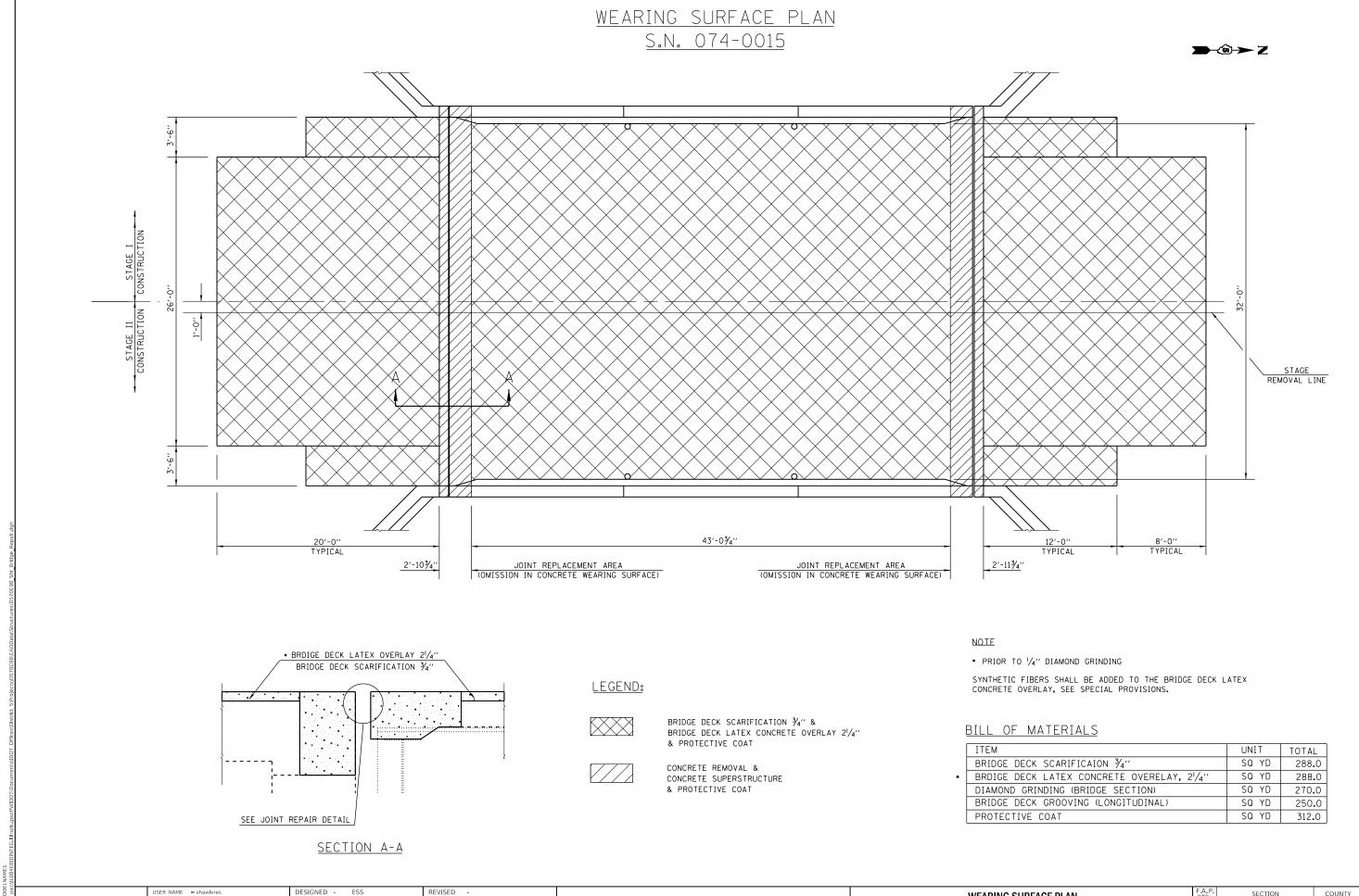
STAGE II CONSTRUCTION DETAIL S.N. 074–0015

◆ PRIOR TO ¼" DIAMOND GRINDING



LOOKING NORTH

USER NAME = shawleres	DESIGNED - ESS	REVISED -			STAGE CONSTRUCTION DETAILS		F.A.P.	SECTION	COUNTY TOTAL SHEETS	SHEET
	DRAWN - ESS	REVISED -	STATE OF ILLINOIS				760	(125)BJR	PIATT 36	12
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		S.N. 074-0015			(/	CONTRACT NO. 70	0C98
PLOT DATE = 12/13/2017	DATE -	REVISED -		SCALE:	SHEET 3 OF 23 SHEETS STA.	TO STA.		ILLINOIS FEI	J. AID PROJECT	



DRAWN - ESS REVISED REVISED REVISED

CHECKED -

DATE

PLOT DATE = 12/13/2017

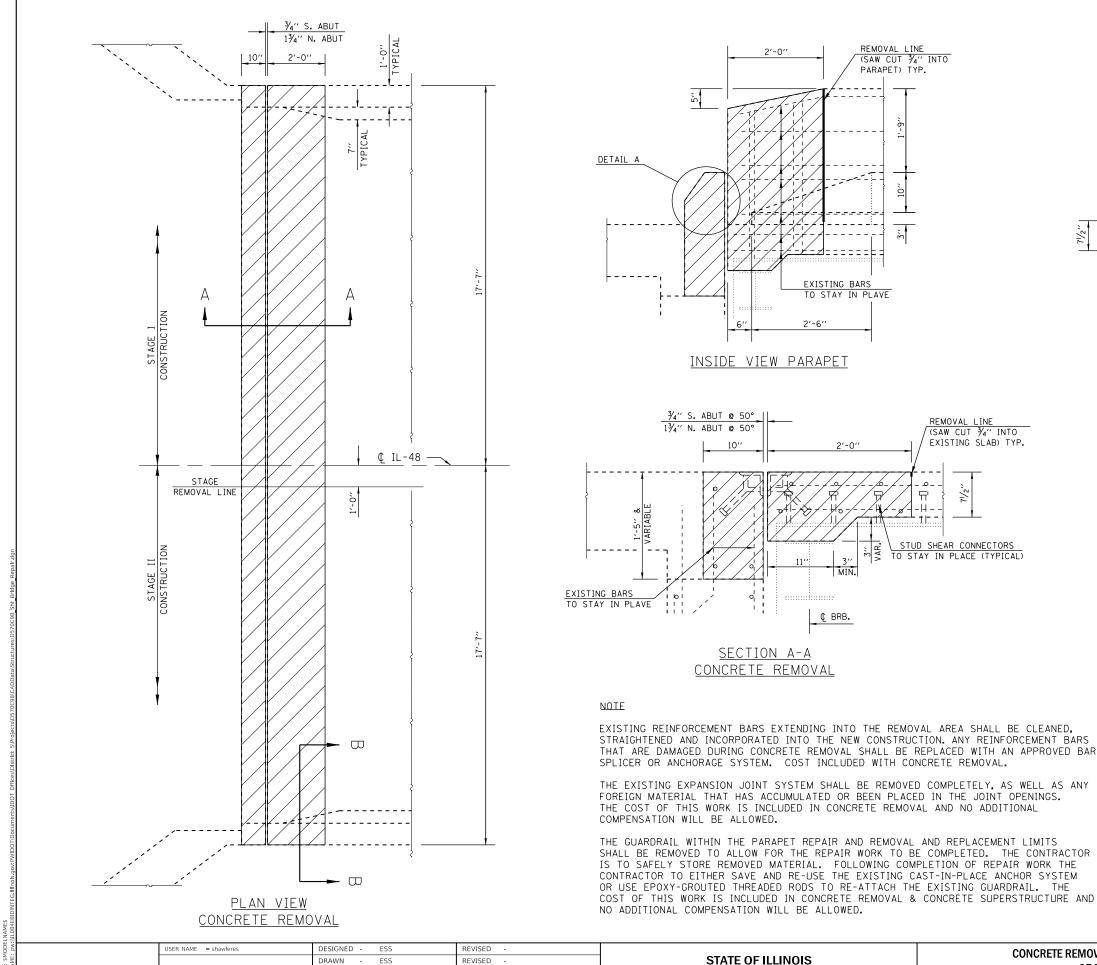
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

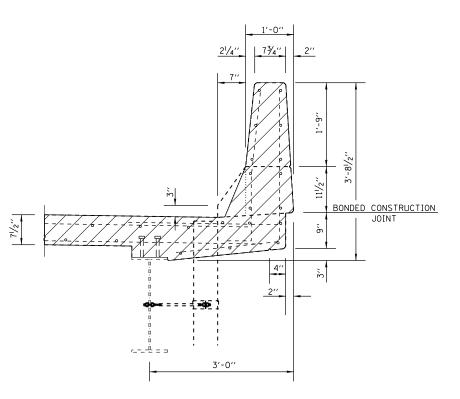
		V	VEARING	SURFA	CE PLAN		F.A.P. RTE.	SECTION
			SN	074-00	15		760	(125)BJR
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ı	SCALE:	SHEET 4	OF 23	SHEETS	STA.	TO STA.		ILLINO

COUNTY

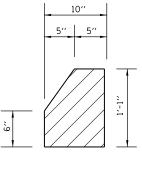
PIATT 36 13

CONTRACT NO. 70C98





SECTION B-B CONCRETE REMOVAL



DETAIL A

CONCRETE REMOVAL

BILL OF MATERIALS

TO STA.

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	8.2

DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL DETAILS - JOINTS 074-0015 SHEET 5 OF 23 SHEETS STA.

SCALE:

SECTION PIATT 36 14 760 (125)BJR CONTRACT NO. 70C98

LOT SCALE = 40.0000 ' / in.

PLOT DATE = 12/13/2017

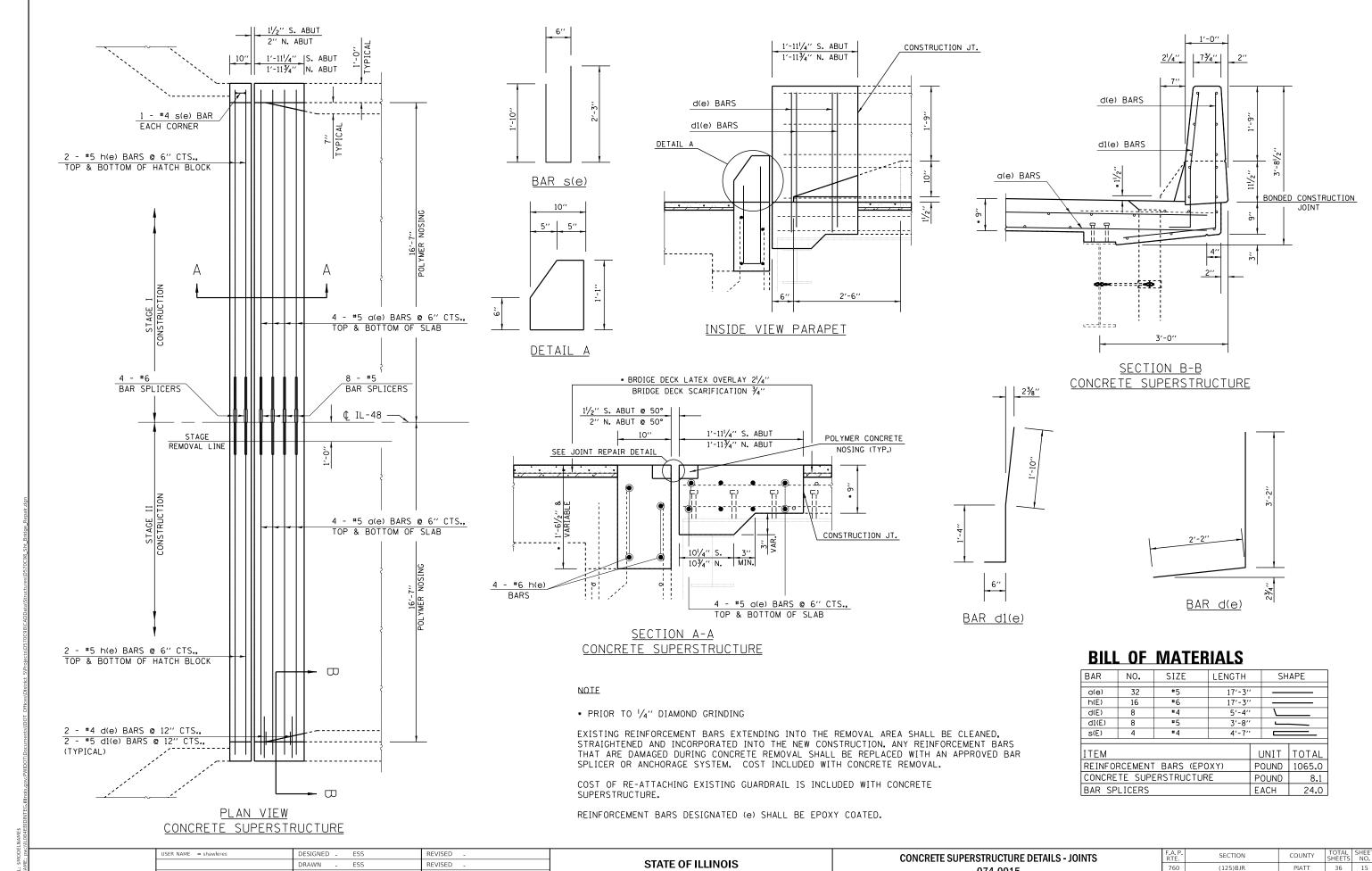
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PLOT DATE = 12/20/2017

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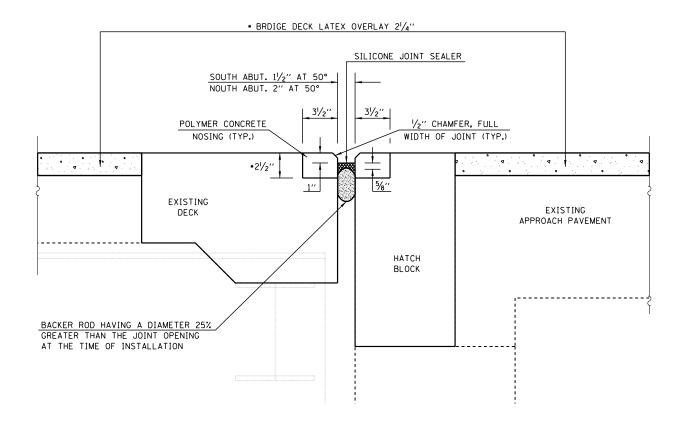
DEPARTMENT OF TRANSPORTATION

SCALE:

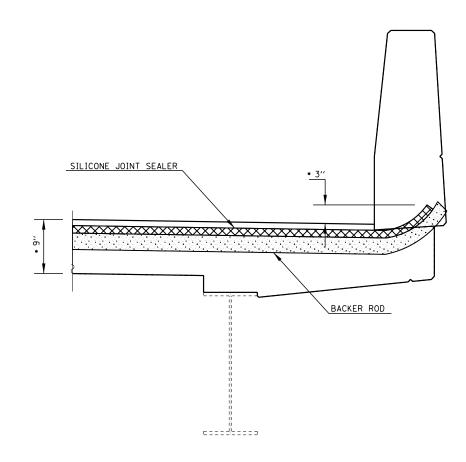
760 (125)BJR 074-0015 CONTRACT NO. 70C98 SHEET 6 OF 23 SHEETS STA. TO STA.

SECTION AT EXISTING JOINT

• PRIOR TO ¼" DIAMOND GRINDING



SECTION AT PROPOSED JOINT



SECTION AT PARAPET

BILL OF MATERIALS

ITEM	UNIT	TOTAL
SILICONE JOINT SEALER, 11/2"	FOOT	36.0
SILICONE JOINT SEALER, 2"	FOOT	36.0
POLYMER CONCRETE	CU. FT.	8.1

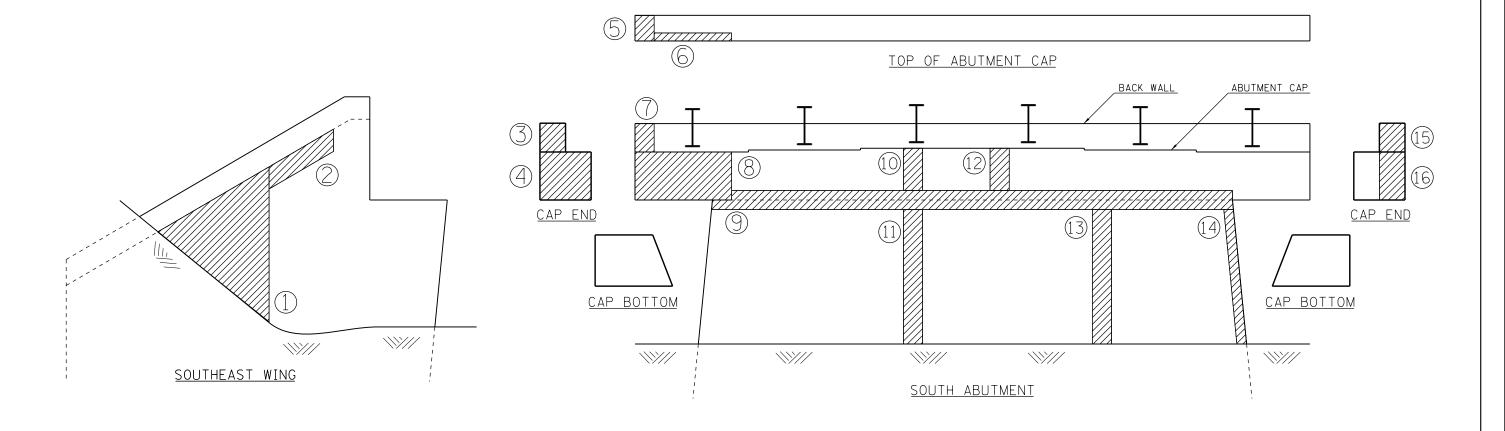
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PLOT DATE = 1/16/2018	DATE -	REVISED -

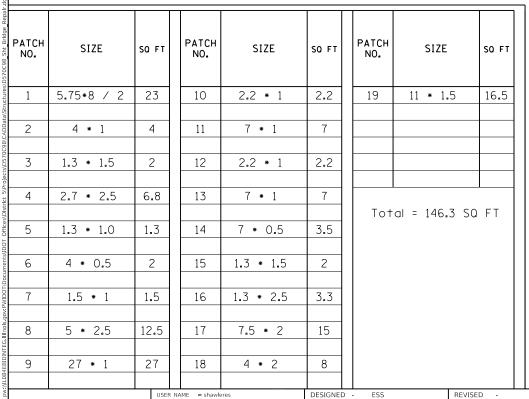
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

					F.A.P. RTE	SEC ⁻	ΓΙΟΝ		COUNTY	TOTAL SHEETS	SHEET NO.			
S.N. 074-0015				760	(125)BJR		PIATT	36	16				
1		3.11	. 07 +-0	,01								CONTRACT	NO. 70	C98
SHEET	7	OF 23	SHEE	TS	STA.	TO STA.				ILLINOIS	FED. A	ID PROJECT		







PLOT DATE = 12/13/2017

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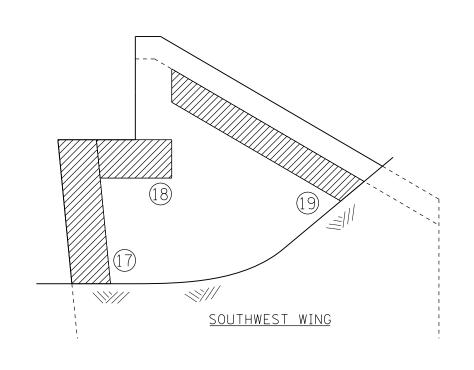
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DATE

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NOTE

SEE SPECIAL PROVISION FOR STRUCTURAL REPAIR OF CONCRETE.



STRUCTURE REPAIR OF CONCRETE DEPTH = OR < 5 INCH

BILL OF MATERIALS

ITEM	UNIT	TOTAL
STRUCTURE REPAIR OF CONCRETE (DEPTH LESS THAN OR = TO 5"	SQ FT	146.8

STRUCTURAL REPAIR OF CONCRETE - SOUTH ABUTMENT S.N. 074-0015 TO STA.

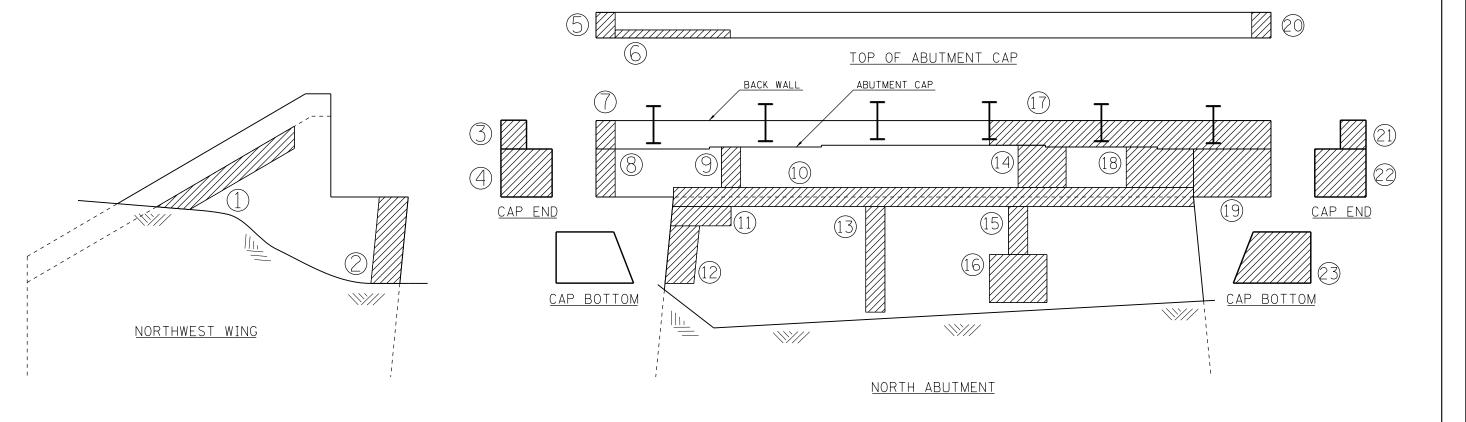
SECTION (125)BJR PIATT 36 17 760 CONTRACT NO. 70C98

SHEET 8 OF 23 SHEETS STA.

SCALE:

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT



PATCH NO.	SIZE	SO FT	PATCH NO.	SIZE	SO FT	PATCH NO.	SIZE	SO FT
1	7 * 1	7	10	27 * 1	27	19	4 * 2.5	10
2	4.5 * 1.5	6.8	11	3 * 1	3	20	1.3 * 1.0	1.3
3	1.3 * 1.5	2	12	1.5 * 3	4.5	21	1.3 * 1.5	2
5								
4	2.7 * 2.5	6.8	13	5.5 * 1	5.5	22	2.7 * 2.5	6.8
5	1.3 * 1.0	1.3	14	2.5 * 2.1	5.3	23	4+3 /2 * 2.	.7 9.5
		_			 			
6	6 * 0.5	3	15	2.5 * 1	2.5	24	4 * 1	4
7	1 🗆 . 1	1.5	1.0	7 . 25	+	25	7 . 1 .	10.5
	1.5 * 1	1.5	16	3 * 2.5	7.5	25	7 * 1.5	10.5
8	1 * 2.5	2.5	17	14 * 1.5	21	26	4 * 1	4
	1 * 2.0	Z.J	11	[1 1.0	1 41	20	7 * 1	+ -
9	2 * 1	2	18	3.5 * 2.1	7.4			
				2.0		Tot	al = 162.2 S	SQ FT
USER NAME = shawleres				DESIGNED	- ESS	REV	ISED -	

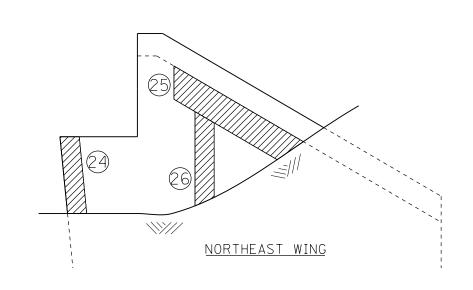
PLOT SCALE = 40.0000 / in.

PLOT DATE = 12/13/2017

DRAWN - ESS

CHECKED -

DATE



NOTE

SEE SPECIAL PROVISION FOR STRUCTURAL REPAIR OF CONCRETE.



STRUCTURE REPAIR OF CONCRETE DEPTH = OR < 5 INCH

BILL OF MATERIALS

ITEM	UNIT	TOTAL
STRUCTURE REPAIR OF CONCRETE	SQ FT	164.7
(DEPTH LESS THAN OR = TO 5"		

KEVISED	-	
REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRU	CTURA	L R			CONCRI 074-00		ORTH ABUTMENT
SCALE:	SHEET	9	OF	23	SHEETS	STA.	TO STA.

F.A.P. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
760	(125)BJR		PIATT	36	18
			CONTRACT	NO. 70	JC98
	ILLINOIS	FFD. A	ID PROJECT		

CONCRETE REMOVAL HATCH BLOCK CONCRETE APPROACH SHOULDER 2'-0'' HATCH BLOCK PARAPET ELEVATION VIEW SOUTH EASTWING ALL OTHER WINGWALLS SIMILAR PLAN VIEW WINGWALL SOUTH EASTWING ALL OTHER WINGWALLS SIMILAR CONCRETE REMOVAL



EXISTING VIEW SOUTH EASTWING ALL OTHER WINGWALLS SIMILAR

NOTE

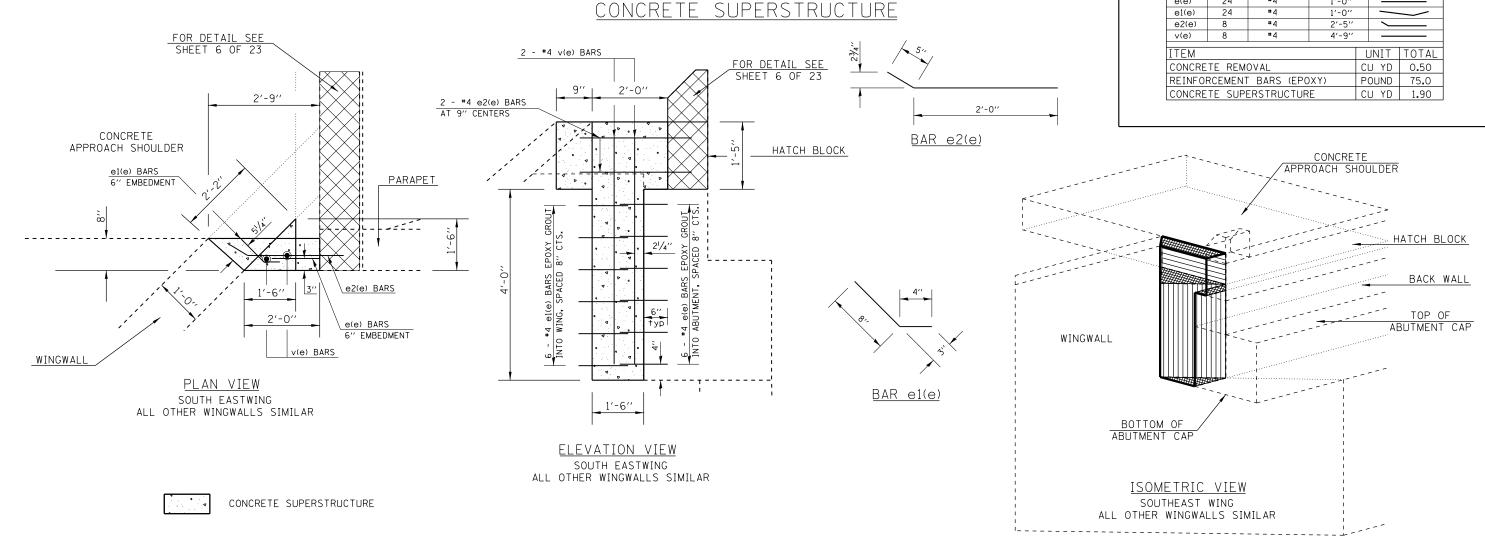
THE GUARDRAIL POSTS WITHIN THE REMOVAL AND REPAIR LIMITS SHALL BE REMOVED TO ALLOW FOR THE REPAIR WORK TO BE COMPLETED. THE CONTRACTOR IS TO USE EPOXY-GROUTED THREADED RODS TO RE-ATTACH THE GUARDRAIL POSTS. THE COST OF THIS WORK SHALL BE INCLUDED IN CONCRETE SUPERSTRUCTURE. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

e(e) BARS TO BE DRILLED AND EPOXY GROUTED PER ARTICLE 584 OF THE STANDARD SPECIFICATIONS IF REQUIRED. COST INCLUDED WITH REINFORCEMENT BARS, EPOXY COATED.

REINFORCEMENT BARS DESIGNATED (e) SHALL BE EPOXY COATED.

BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH		SH	APE
e(e)	24	#4	1'-0''		_	
el(e)	24	#4	1'-0"		_	
e2(e)	8	#4	2′-5′′			
v(e)	8	#4	4'-9''			
ITEM	TE DEL	21/41			JNIT	TOTAL
CONCRE	TE REM	JVAL		C	J YD	0.50
REINFORCEMENT BARS (EPOXY) POUND 75.0						
CONCRETE SUPERSTRUCTURE CU YD 1.90						



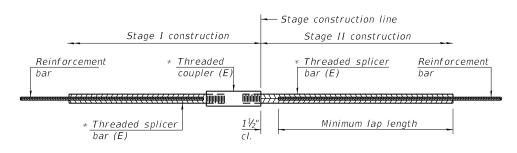
JSER NAME = shawleres DESIGNED - ESS REVISED DRAWN -ESS REVISED CHECKED REVISED PLOT DATE = 12/13/2017 DATE REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE:

SECTION WINGWALL REPAIR (125)BJR S.N. 074-0015 SHEET 10 OF 23 SHEETS STA. TO STA.

COUNTY PIATT 36 19 CONTRACT NO. 70C98

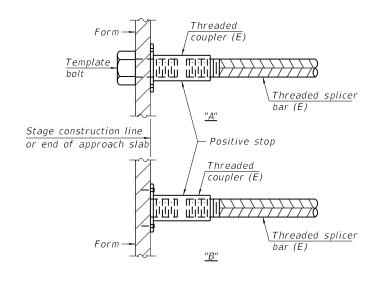


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + $1\frac{1}{2}$ " + thread length

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

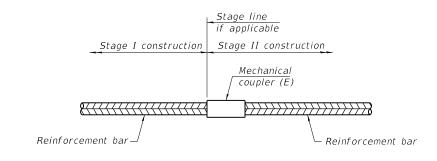
Location	Bar size	No. assemblies required	Minimum lap length
Hatch Blocks	#6	16	4'-0"
Deck Ends	#5	8	3′-6"



INSTALLATION AND SETTING METHODS

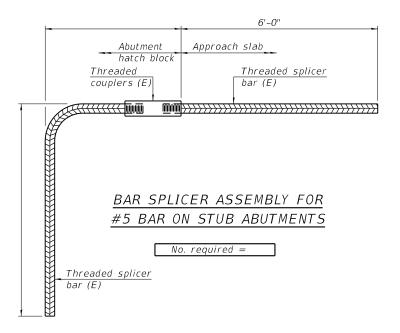
"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



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

2-17-2017

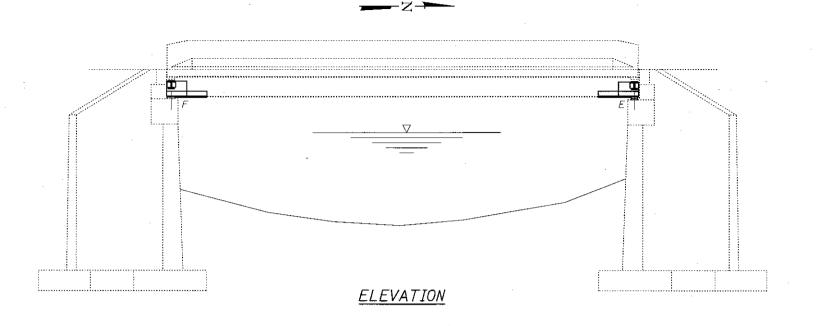
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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2017	DATE -	REVISED -

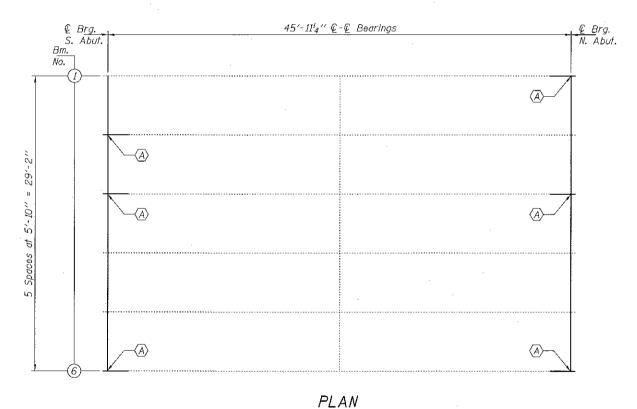
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BAR

SCALE:

SPLIC	ER ASSEN	/IBLY AN	ID MEC	HANICAI	L SPLICER	DETAILS	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	STRUCTURE NO.					760	(125)BJR	PIATT	36	20	
	STRUCTORE NO.							CONTRACT	NO. 7	C98	
	CHEET 11	OE 22	сысстс	CTA	TC	CTA		THE PROPERTY OF THE PARTY OF TH	D DDD LEGT		





FLA

(A) - Repair end of beam Replace all diaphragms Replace all bearings at North abutment

NOTE

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

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

Diaphragm connection holes shall be 15 ₁₆ ' 4 for 3 ₄' 4 bolts. Two hardened washers shall be required at diaphragm connections.

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".

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Structural Steel Repair.

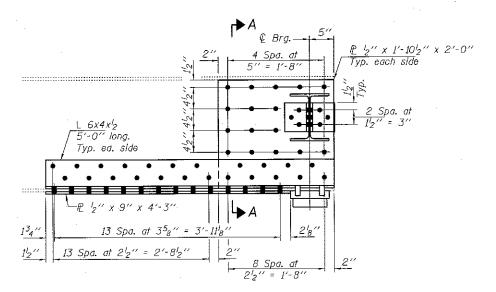
Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Furnishing and Erecting Structural Steel.

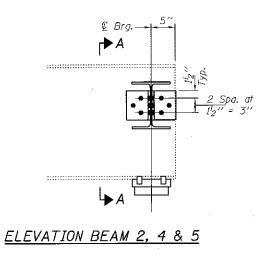
Fasteners shall be high strength bolts. Bolts $^34'$, open holes 13 ₁₆ $^{\prime\prime}$, unless otherwise noted.

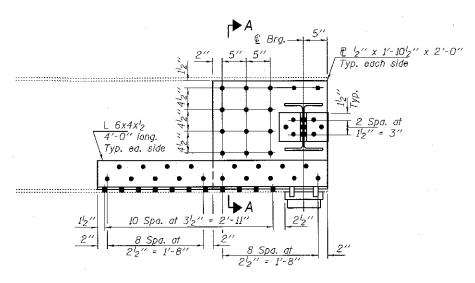
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	2580
Structural Steel Removal	Pound	2250
Furnishing and Erecting Structural Steel	Pound	2320
Jack and Remove Existing Bearings	Each	6
Elastomeric Bearing Assembly Type I	Each	6
Anchor Bolts 1"#	Each	12
•		

DESIGNED MLD CHECKED ATH EXAMINED MOST A MILE ENGINEER OF TRICTIFIAL SERVICES	DATEMARCH 16, 2018	STATE OF ILLINOIS	PLAN AND ELEVATION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
DRAWN Daliva PASSED CAL FUNGER OF STRUCTURAL SERVICES CHECKED MLD ATH ENGINEER OF STRUCTURAL SERVICES ENGINEER OF BRIDGES AND STRUCTURES	REVISED	DEPARTMENT OF TRANSPORTATION	FAP 760 (IL 48) OVER CREEK SN 074-0015 SHEET NO. 1 OF 4 SHEETS	760	(125)8JR	PIATT CONTRAC	36 CT NO. 70
CHECKED WED ATTI ENGINEER OF SHIDGES AND STREETCHES	NE VISED		SHEEL NO. 1 OF 4 SHEELS		ILLINOIS FED.	AID PROJECT	

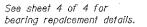


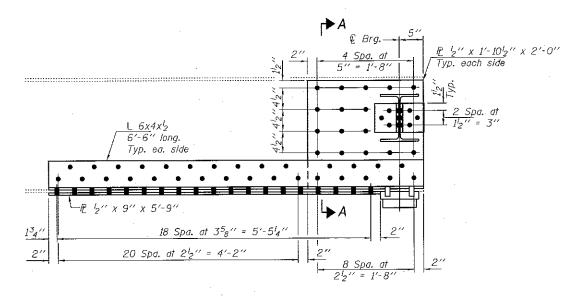




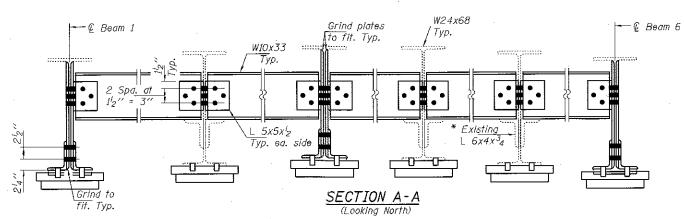
** ELEVATION BEAM 3

** ELEVATION BEAM 1





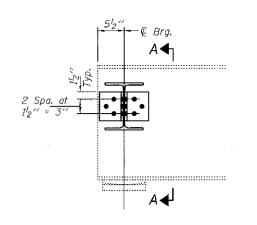
** ELEVATION BEAM 6



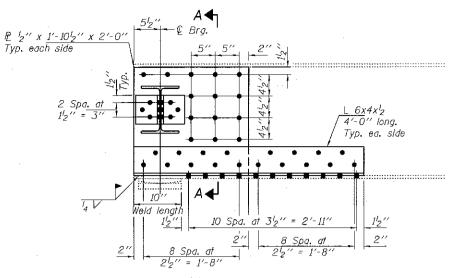
* Existing clip L to be removed using the dir-arc method and grind smooth all weld material remaining on the web. Cost included with Structural Steel Removal

- ** Cleaning and painting of this connection shall meet the requirements for Primary Connections as specified in the special provision for "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
- lacksquare Holes to be field drilled in existing ℓ using new ℓ as template.
- Holes to be field drilled in new £ & L using existing holes as template.

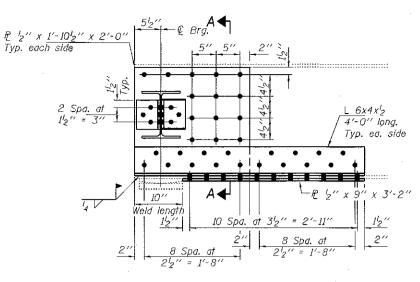
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CHECKED ATH		ENGINEER OF STRUCTURAL SERVICES		STATE OF ILLINOIS	SN 074-0015	760	(125)BJR	PIATT	36	22
DRAWN balliva CHECKED MI D. ATH	PASSED	ENGINEER OF PRINCES AND STREETHES	REVISED .	DEPARTMENT OF TRANSPORTATION	SHEET NO. 2 OF 4 SHEETS	1	ILLINOIS FED.	CONTRACT	F NO. 7	DC98



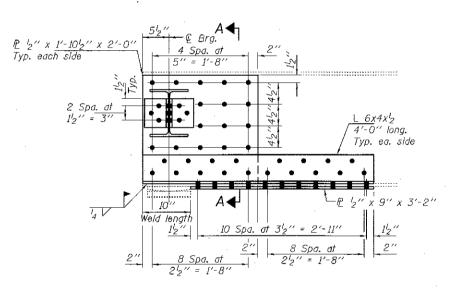
ELEVATION BEAM 1, 4 & 5



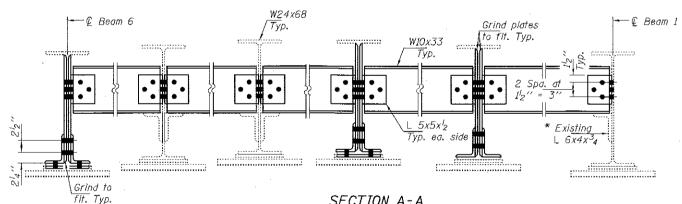
** ELEVATION BEAM 2



** ELEVATION BEAM 3



** ELEVATION BEAM 6



SECTION A - A
(Looking South)

* Existing clip L to be removed using the air-arc method and grind smooth all weld material remaining on the web. Cost included with Structural Steel Removal

- ** Cleaning and painting of this connection shall meet the requirements for Primary Connections as specified in the special provision for "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
- $igoplus ext{Holes to be field drilled in existing} \ ext{\mathbb{E} using new \mathbb{E} as template.}$
- Holes to be field drilled in new £ & L using existing holes as template.

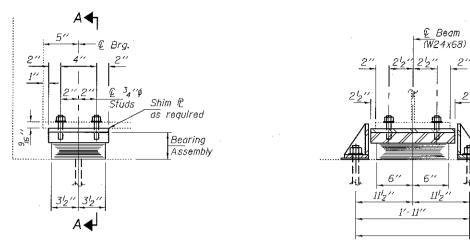
DESIGNED	MLD	EXAMINED	Invot A. April 4	DATE	MARCH 16. 2018	
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DRAWN	baliva	PASSED	A. Carl Prover	REVISED		
CHECKED	MID ATH	-	ENGINEED OF BRIDGES AND STRUCTURES	REVISED		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIR A DETAILS AT SOUTH ABUTMENT
SN 074-0015

SHEET NO. 3 OF 4 SHEETS

A.P. SECTION COUNTY TOTAL SHEET NO.												
	A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.						
CONTRACT NO 70000	760	760 (125)BJR PIATT 36 23										
CONTRACT NO. 10096												
ILLINOIS FED. AID PROJECT												



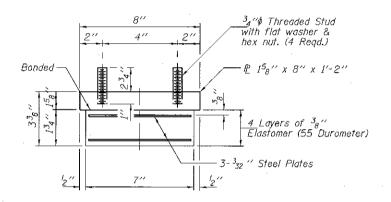
ELEVATION AT ABUTMENT

SECTION A-A

Side Retainer (Typ.)

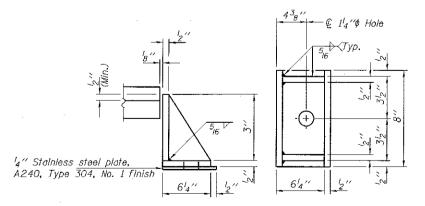
<u>€ 1''∮ x 12''</u> Anchor Bolts with 2'_{4''} x 2'_{4''} x ⁵₁₆'' € washer under nut.

TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY

Shim plates shall not be placed under Bearing Assembly.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BEAM REACTIONS

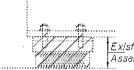
R₽	(K)	21.4
R4	(K)	<i>36.3</i>
Imp.	(K)	10.6
R (Total)	(K)	68.3

Notes:
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
Adjustment must account for deck heave due to pack rust (if present).

(if present).
Min. Jack capacity = 35 Tons.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of ASTM E1554. in lieu of ASTM F1554.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

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



Existing Bearing

Burn existing anchor bolts flush with existing concrete surface. Grind existing anchor bolt smooth and seal with epoxy.

EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.

BILL OF MATERIAL

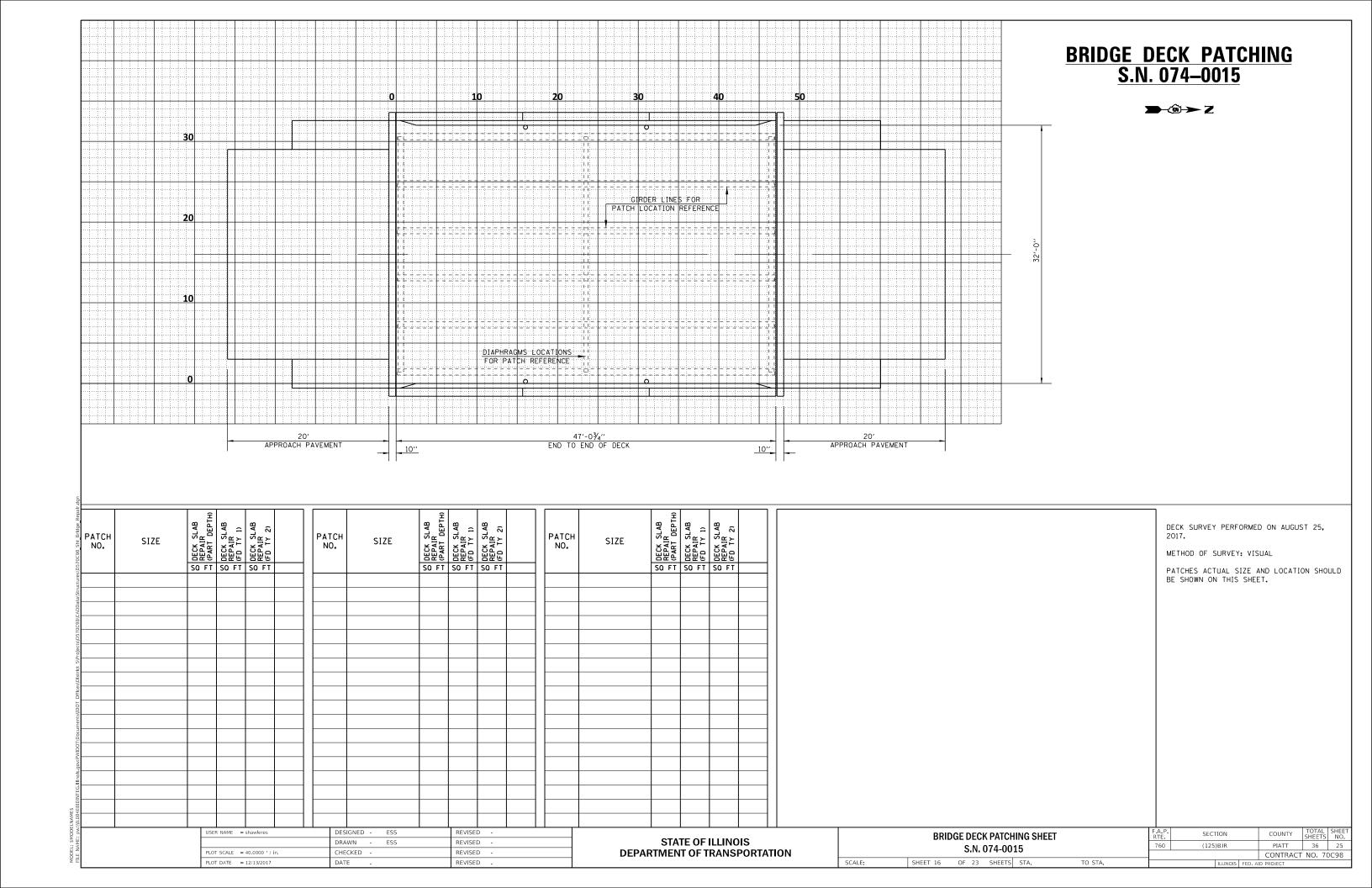
Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	6
Jack and Remove Existing Bearings	Each	6
Anchor Bolts I''	Each	12

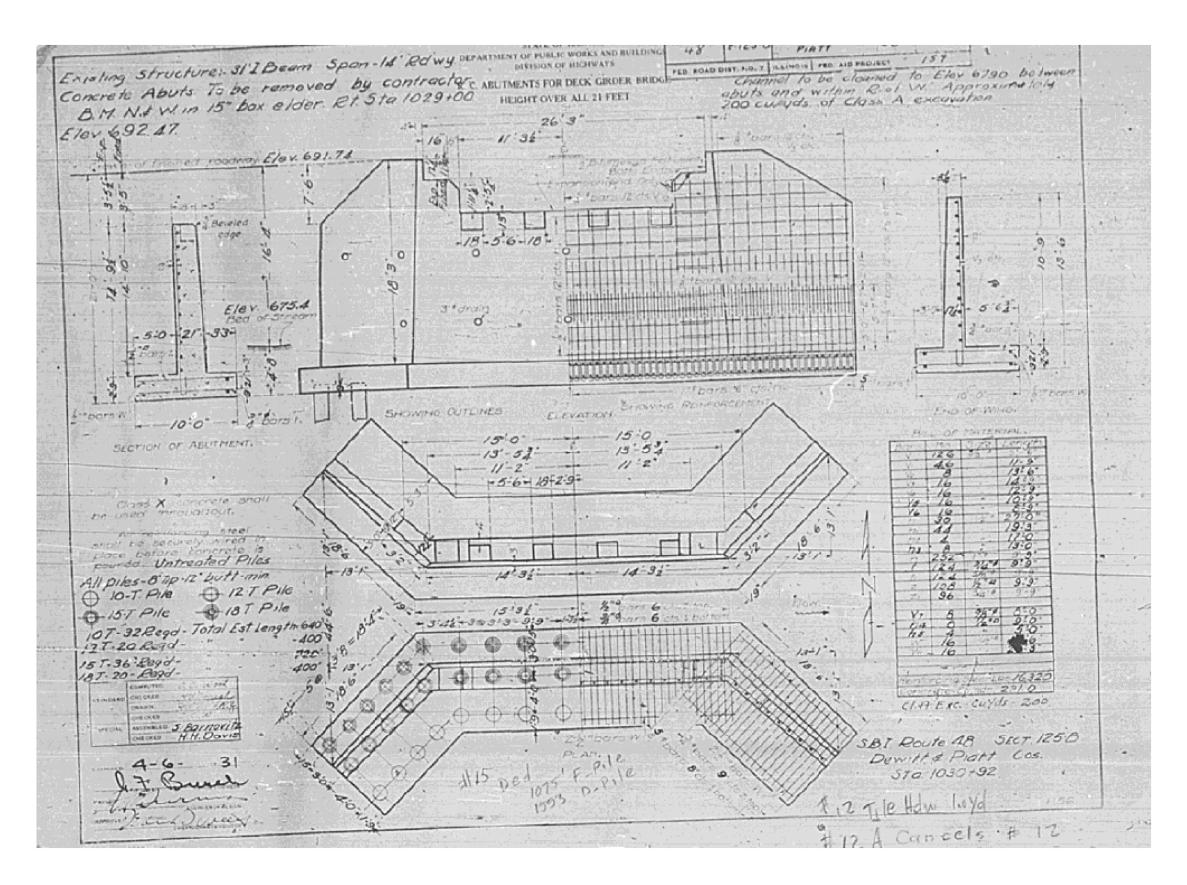
TYI/REPS 1-18-2017

DESIGNED	MLD	EXAMINED	limote A A I lat	DATE	MARCH 16, 2018	П
CHECKED	ATH]	ENGINEER OF STRUCTURAL SERVICES	-		
DRAWN	baliva	PASSED	& Carl Provey	REVISED		
CHECKED	MLD ATH	·	ENGINEER OF BRIDGES AND STRUCTURES	REVISED		1

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** NORTH ABUTMENT BEARING REPLACEMENT SN 074-0015 SHEET NO. 4 OF 4 SHEETS

COUNTY TOTAL SHEETS NO.
PIATT 36 24 SECTION (125)BJR CONTRACT NO. 70C98





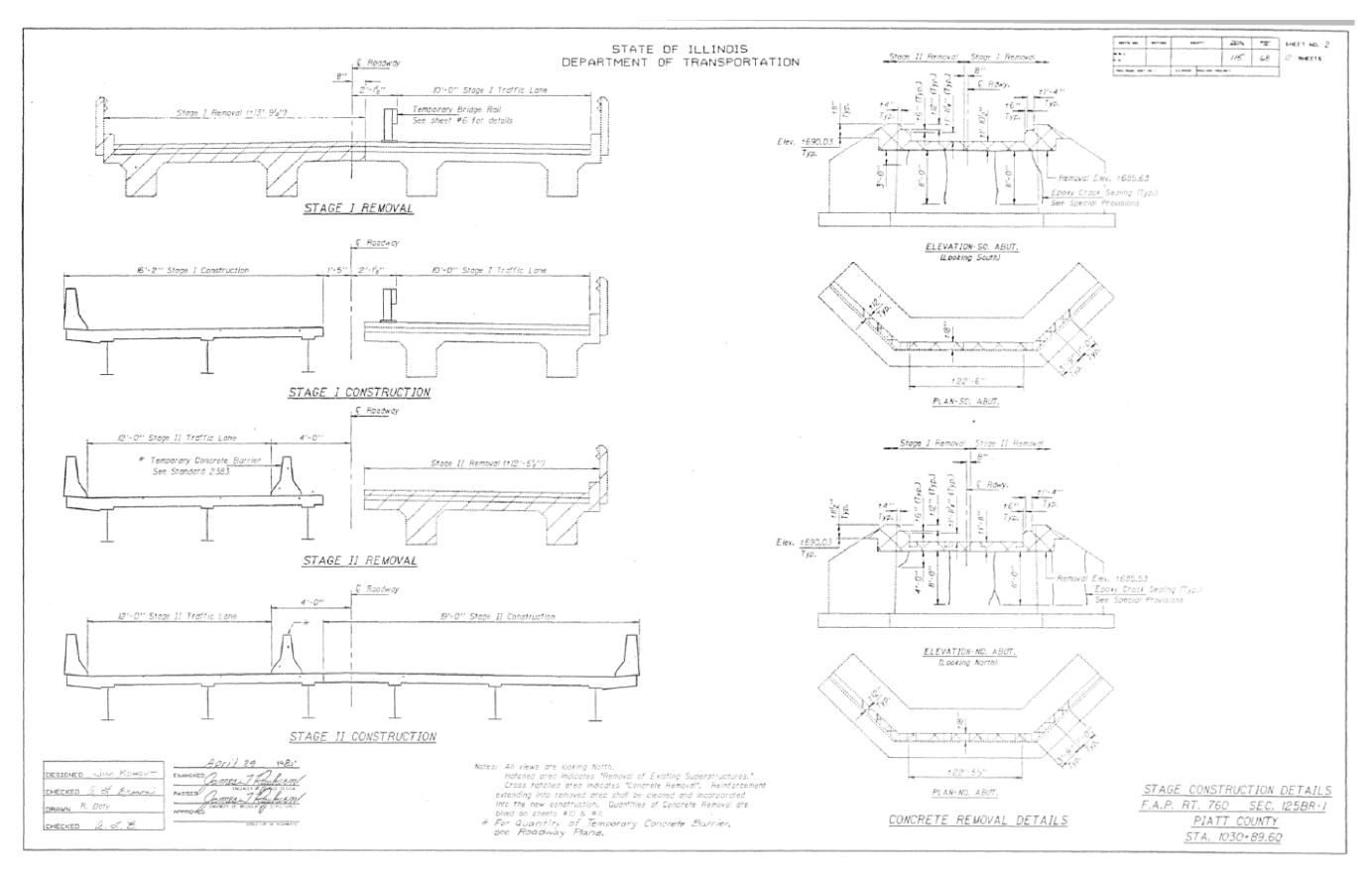
MODEL \$MODELNAME\$

AS-BUILT PLANS
FOR INFORMATION ONLY

SHEET 17 OF 23 SHEETS STA.

A.P. SECTION COUNTY TOTAL SHEETS NO.
760 (125)BJR PIATT 36 26

CONTRACT NO. 70C98



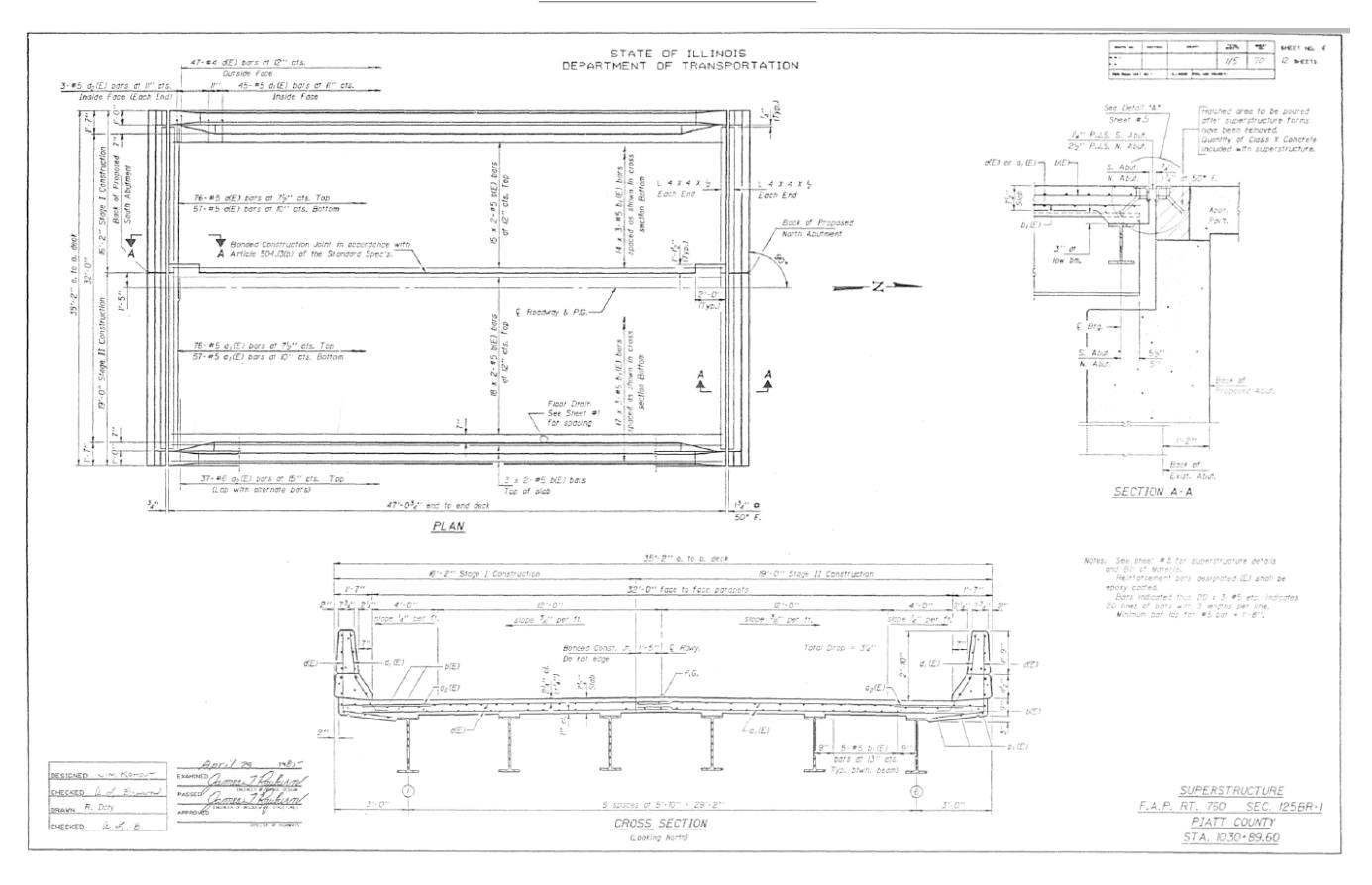
STATE OF ILLINOIS

JSER NAME = shawleres DESIGNED -REVISED DRAWN REVISED **DEPARTMENT OF TRANSPORTATIO** CHECKED REVISED PLOT DATE = 12/13/2017 DATE REVISED

ON	
	SCALE:

AS-BUILT PLANS FOR INFORMATION ONLY SHEET 18 OF 23 SHEETS STA. TO STA.

SECTION COUNTY PIATT 36 27 (125)BJR CONTRACT NO. 70C98



MODEL: \$MODELNAME\$

JSER NAME = shawleres

REVISED

DESIGNED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE:

 AS-BUILT PLANS
 F.A.P. RTE.
 SECTION RTE.

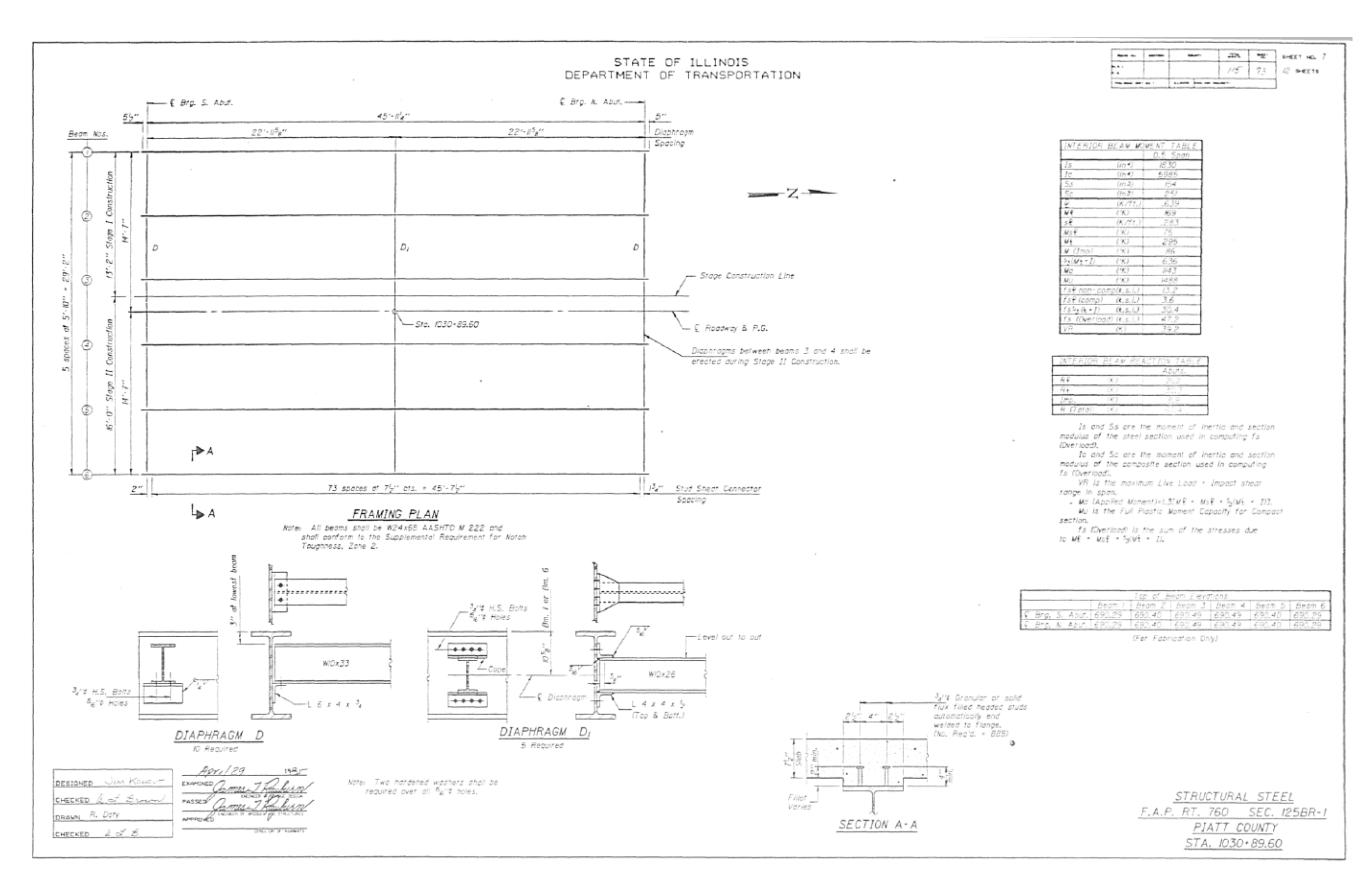
 FOR INFORMATION ONLY
 760
 (125)BJR

 SHEET 19
 OF 23
 SHEETS STA.
 TO STA.
 ILLINO

A.P. SECTION COUNTY TOTAL SHEET NO.

60 (125)BJR PIATT 36 28

CONTRACT NO. 70C98



FILE NAME: pw:\\IL084EBIDINTEG.I

JSER NAME = shawleres

REVISED

DESIGNED -

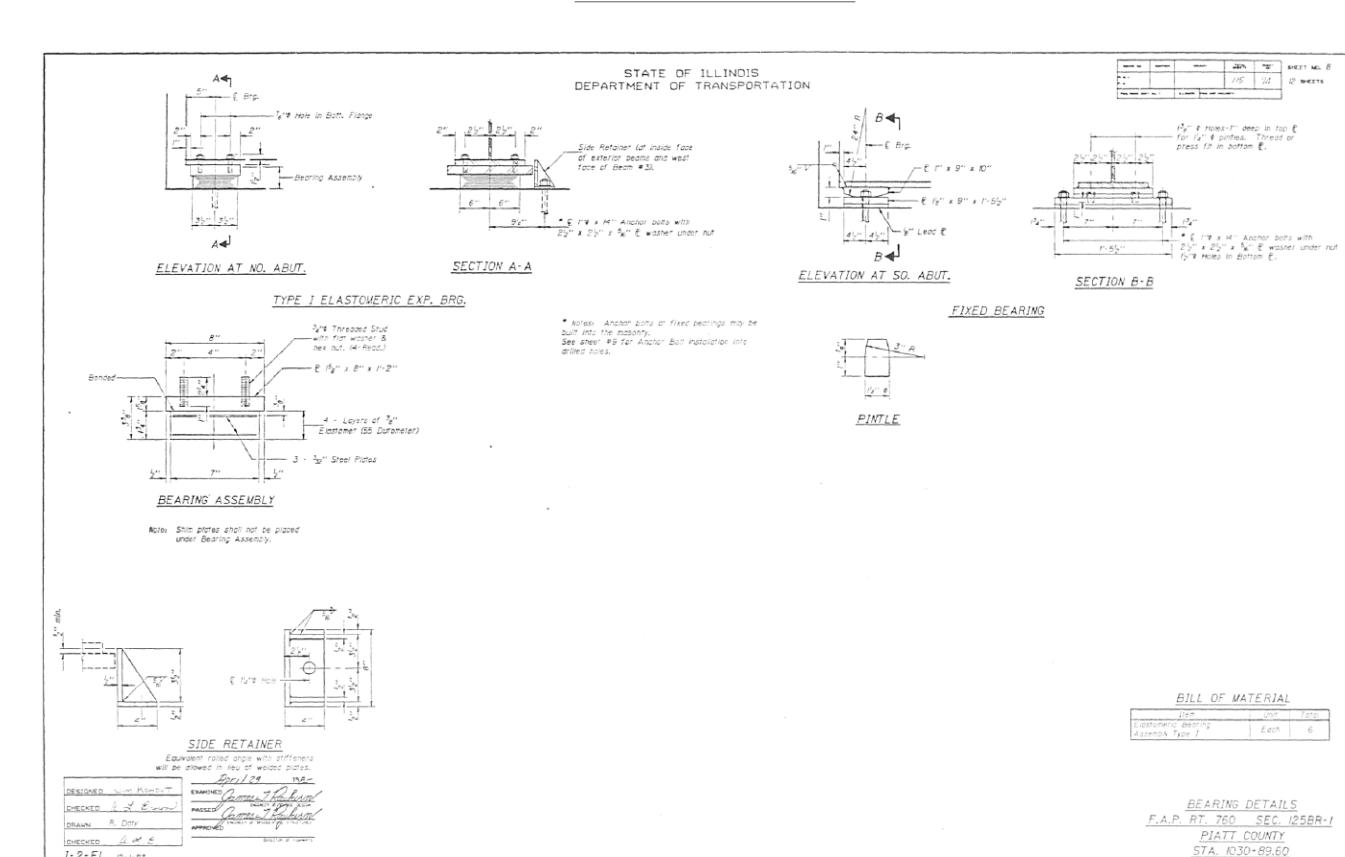
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE:

AS-BUILT PLANS
FOR INFORMATION ONLY

SHEET 20 OF 23 SHEETS STA. TO STA.

| A.P. | SECTION | COUNTY | TOTAL SHEETS | NO. 760 | (125)BJR | PIATT | 36 | 29 | | CONTRACT | NO. 70C98 | | ILLINOIS | FED. AID PROJECT | NO. 70C98 | | CONTRACT | NO. 70C98 | CONTRAC



USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2017	DATE -	REVISED -

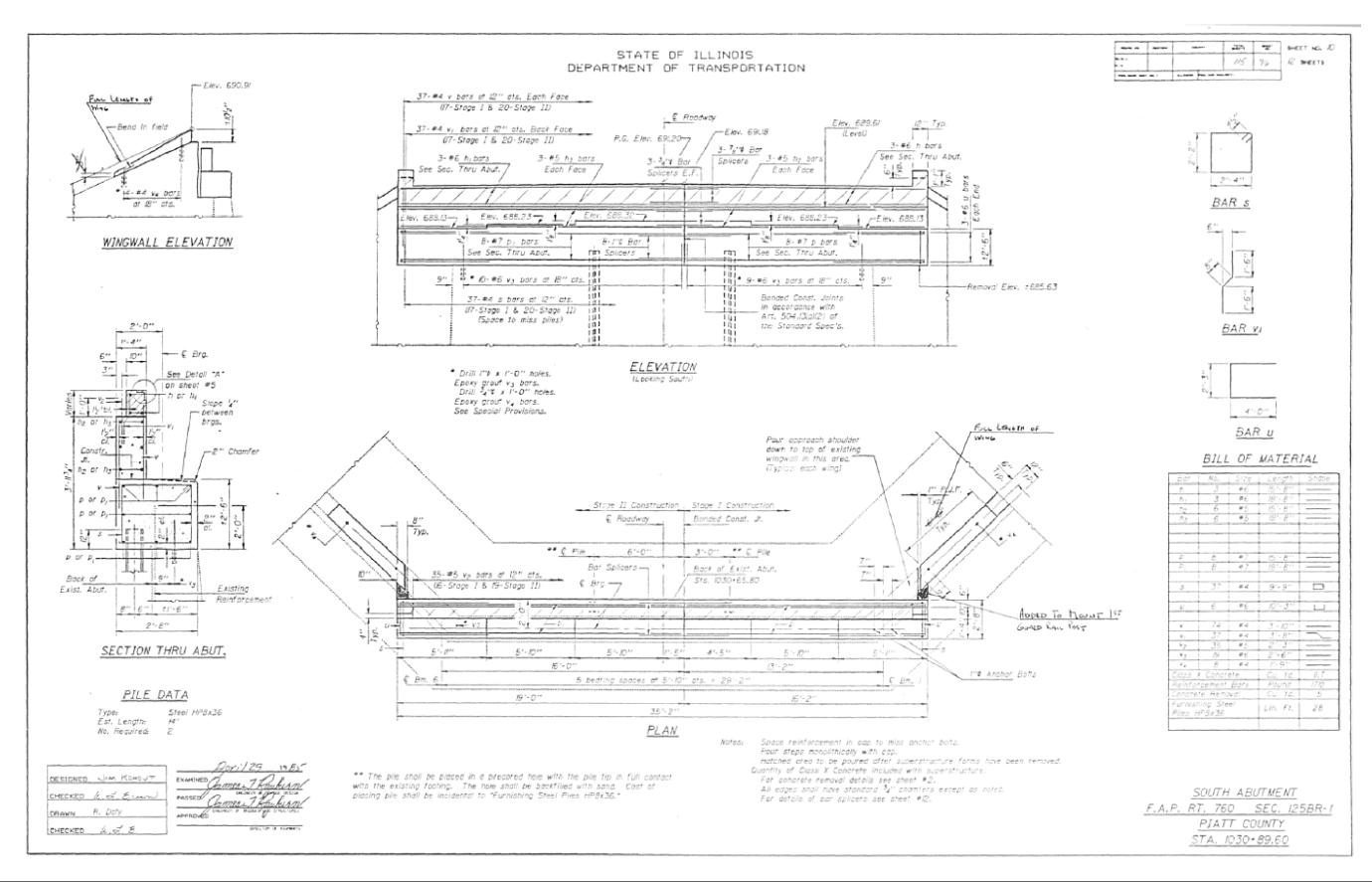
I-2-E1 12-1-83

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE:

	A	S-B	UILT PLA	ANS		F.A.P. RTE	
	FOR I	NFC	RMATIO	N ONLY	,	760	
	TOIL	VI	INIVIATIO	IN OINE			
SHEET 21	OF	23	SHEETS	STA.	TO STA.		

SECTION COUNTY (125)BJR PIATT 36 30 CONTRACT NO. 70C98



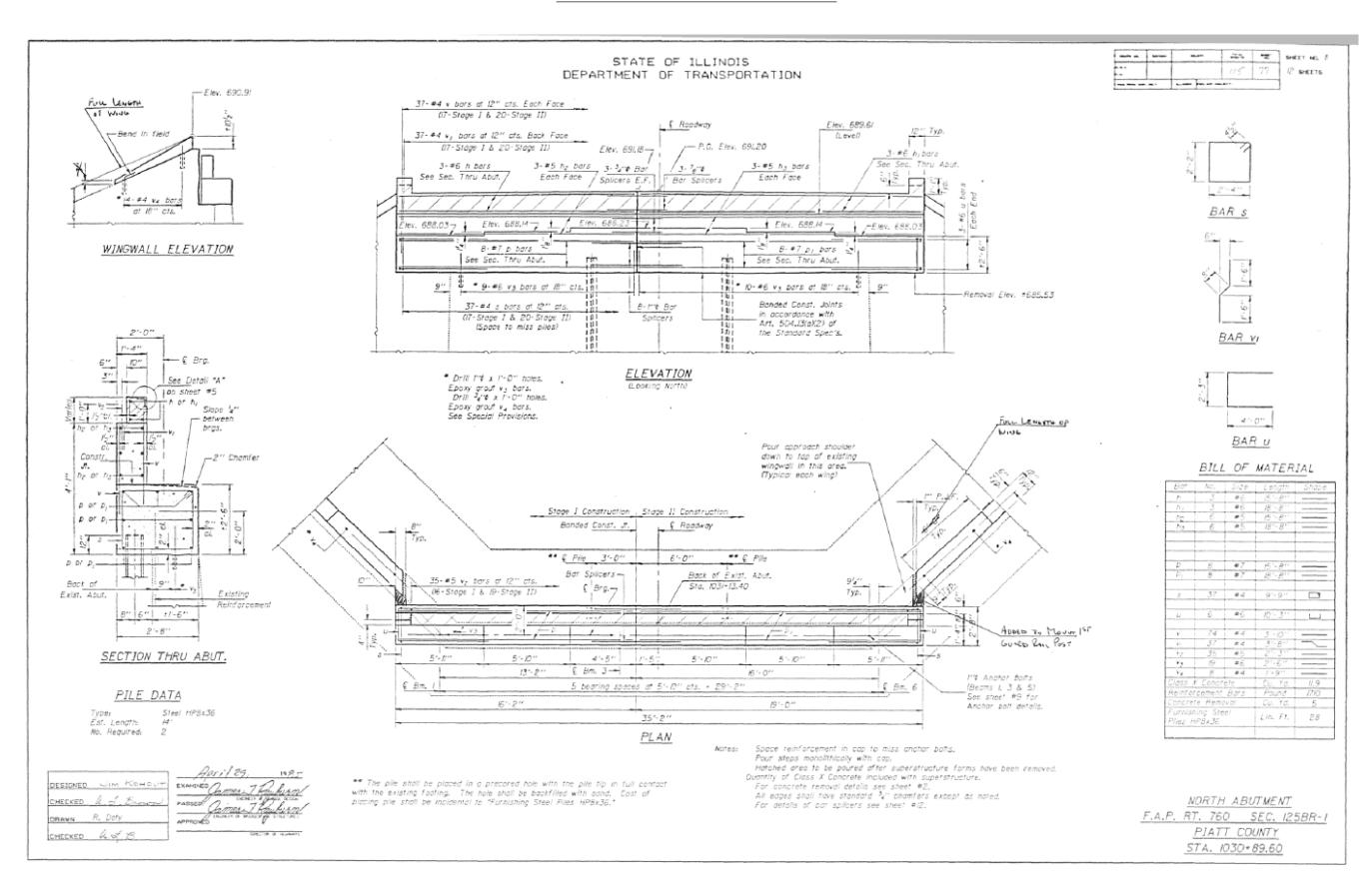
MODEL: \$MODELNAME\$

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE:

AS-BUILT PLANS
FOR INFORMATION ONLY

SHEET 22 OF 23 SHEETS STA. TO STA.



 USER NAME
 = shawleres
 DESIGNED REVISED

 DRAWN REVISED

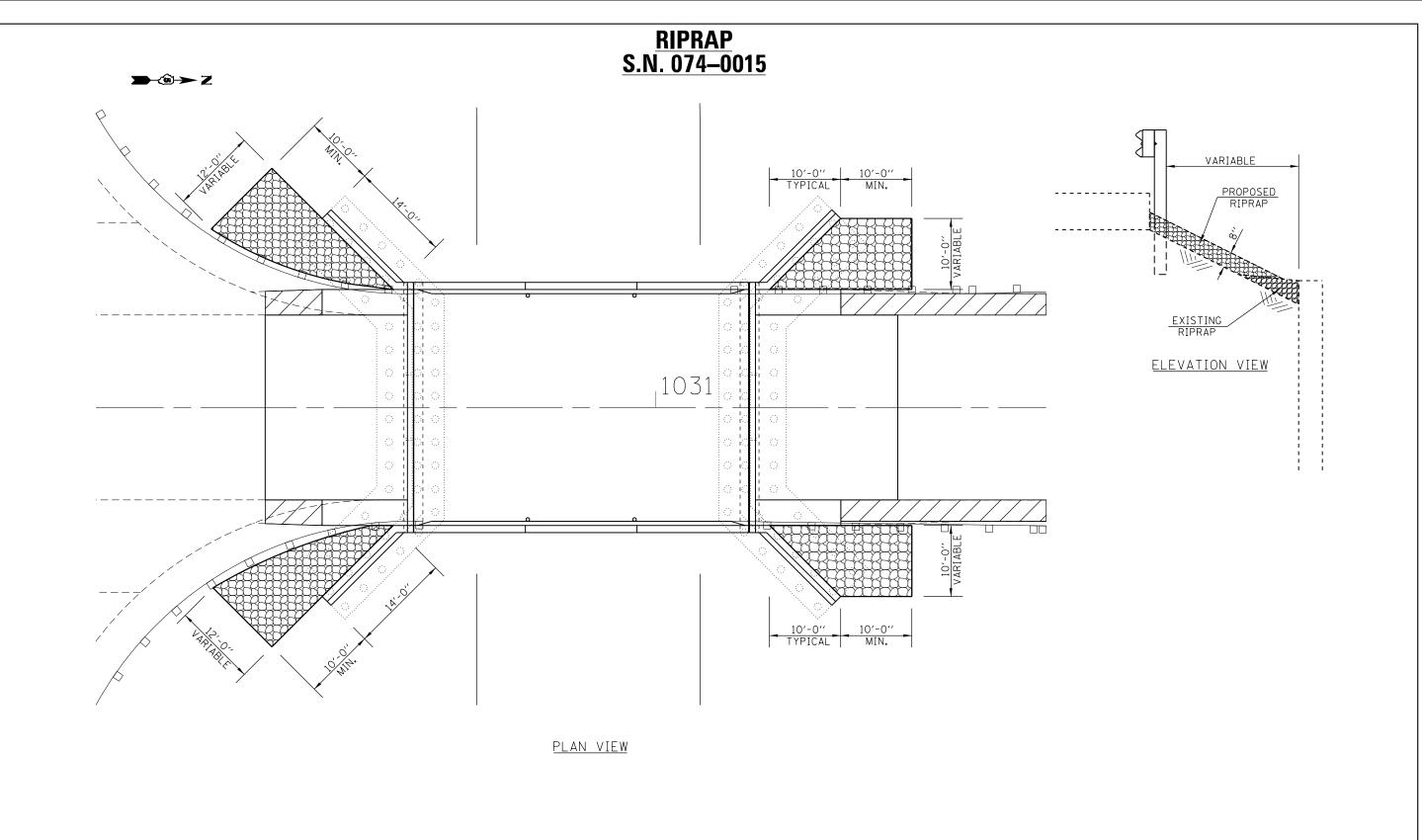
 PLOT SCALE = 40,0000 ' / in.
 CHECKED REVISED

 PLOT DATE = 12/13/2017
 DATE REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE:

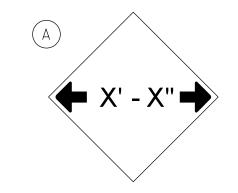
MODEL: \$MODELNAME\$



BILL OF MATERIALS

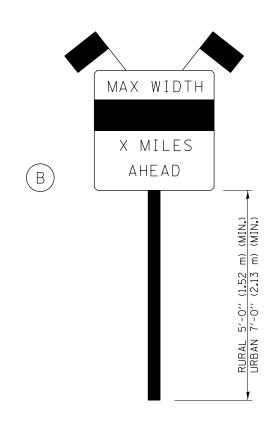
ITEM	UNIT	TOTAL
STONE RIPRAP, CLASS A3	TON	25.0

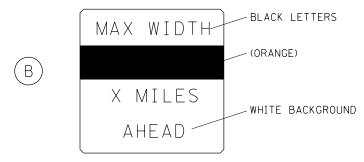
	USER NAME = shawleres	DESIGNED - ESS	REVISED -		RIPRAP		RIPRAP LO	OCATION	N SHEET		F.A.P. SECTION			COUNTY	TOTAL	SHEET
		DRAWN - ESS	REVISED -	STATE OF ILLINOIS						760	(125)BJR		PIATT		33	
	PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	S.N. 074-0015								ONTRACT	NO. 70	C98	
	PLOT DATE = 12/13/2017	DATE -	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.			TO STA.		ILLINOIS	ILLINOIS FED. AID F		ID PROJECT			



W12-2(0)-48"×48"(1200×1200)

SIGN (A) 2 SIGNS - W12-2(0)-48"×48"(1200×1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.





W12-I103(0)-48"×48"(1200×1200)
"D" LETTERS/NUMBERS

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 = 12'-0'' ACTUAL; 10'-6'' POSTED; REQUIRED STAGE 2 WIDTH = 13'-0'' ACTUAL; 11'-6'' POSTED; REQUIRED

SIGN PANEL, TYPE II

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.

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DISTRICT 5 DETAIL NO. X7200201

FILE	E NAME =	USER NAME = shawleres	DESIGNED -	REVISED -	03/11 - KJT					F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\	\\IL084EBIDINTEG.ıllınoıs.gov:PWIDOT\Do	,			05/08	STATE OF ILLINOIS	WIDTH RESTRICTION SIGNING			760	(125)BJR	PIATT	36	34
		PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -	10/08 - KJT	DEPARTMENT OF TRANSPORTATION						CONTRACT	T NO. 7	0098
\$M0[DDELNAME\$	PLOT DATE = 12/13/2017	DATE -	REVISED -	07/09 - KJT		SCALE:	SHEET 1 OF 2 SHEETS STA.	TO STA.		ILLINOIS FED	. AID PROJECT		

S.N. 074-0015

B1 IL-48 NORTHBOUND
ERECT BY JUCTION I-72 SIGN
4 MILES AHEAD

IL-48 NORTHBOUND

ERECT 75' PAST RAMP

INCLUDE 4 MILES AHEAD SIGN

WIDTH RESTRICTION SIGNINGS FOR IL-48 TRAFFIC



(A2)

I-72 EASTBOUND EXIT RAMP
ERECT BY LEFT SIDE DO NOT ENTER SIGN
INCLUDE DIRECTION ARROW SIGN (LEFT)



4.0 MILES
(21" X 15")



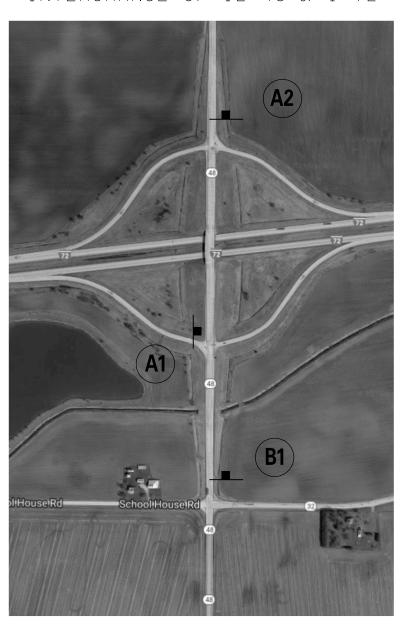
IL-48 SOUTHBOUND ERECT BY CHAMPAIGN/CLINTON ARROW SIGN 4 MILES AHEAD



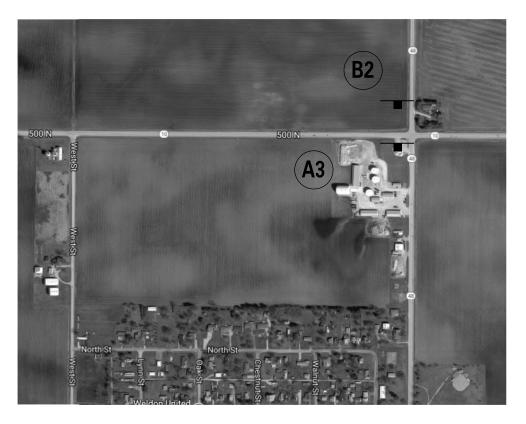
IL-48 SOUTHBOUND ERECT BY SOUTH IL-48, NO PARKING SIGN INCLUDE 4 MILES AHEAD SIGN

4.0 MILES
(21" X 15")

NORTHWEST OF CISCO INTERCHANGE OF IL-48 & I-72



WELDON INTERSECTION OF IL-48 & IL-10

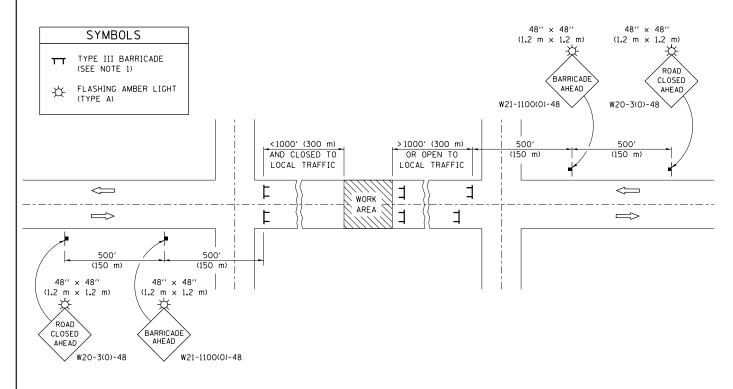


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OT\Documents\IDOT_Offices\District_5\Projects\D570C98\CADData\Structures\

ROAD CLOSURE

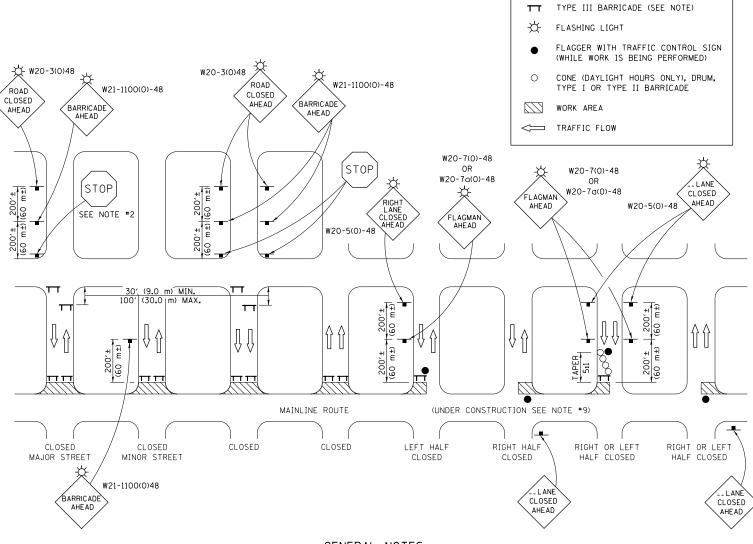
SIDEROAD / STREET CLOSURE



GENERAL NOTES

- 1. TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK ARFA.
- 3. WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- 4. STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- 5. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.

- 6. REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TY III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- 7. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- 8. A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- 9. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- 10. FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- 11. WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- 12. AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.



GENERAL NOTES

- 1. TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- 3. STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- 4. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- 5. ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- 6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- 7. FORMS BT 725 AND BT 726 ARE REQUIRED.
- 8. THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.

SYMBOLS

9. ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

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

DISTRICT 5 DETAIL NO. 70200000

	FILE NAME =	USER NAME = showleres	DESIGNED -	REVISED -			TRAFFIC CONTROL & PROTECTION DEVICES	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
	pw:\\IL084EBIDINTEG.:111:no:s.gov:PWIDOT\Do	cuments\IDOT Offices\District 5\Projects\D5	70 098A0M0 Data\ S tructures\D570C98_Sht_Det	IRENISED -	STATE OF ILLINOIS			760	(125)BJR	PIATT	36	36
		PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	(ROAD & SIDEROAD/STREET CLOSURES)				CONTRACT	ľ NO.	70098
- 1	\$MODELNAME\$	PLOT DATE = 12/13/2017	DATE -	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.		ILL INOIS F	ED. AID PROJECT		