03-09-2018 LETTING ITEM 067

 \circ

0

0

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR STATE STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

D-92-116-16



F.A.I. ROUTE 280 (I-280) PROJECT: STP-CXUR(056) SECTION (81–1B)BRR

TYPE of IMPROVEMENT: BRIDGE REPAIRS

ROCK ISLAND COUNTY

C-92-002-17 R.2-1W.

ROCK ISLAND TOWNSHIP, SECTIONS 26 & 35

SN 081-0106-

T.17-18N.

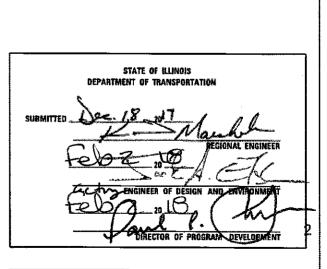


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-868-892-0123
OR 811

PROJECT ENGINEER: DAVID DOSS (815) 284-5416
PROJECT MANAGER: MAHMOUD ETEMADI (815) 284-5393

CONTRACT NO. 64L93



LOCATION OF SECTION INDICATED THUS: - -

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS/STATE STANDARDS/GENERAL NOTES
- 3-4 SUMMARY OF QUANTITIES
- 5-10 STAGE I SN 081-0106
- 11-16 STAGE II SN 081-0106
 - 17 GENERAL PLAN & ELEVATION I-280 OVER THE MISSISSIPPI RIVER SN 081-0106
 - 18 GENERAL NOTES & BEAM END REPAIRS SN 081-0106
 - 19 WEST ABUTMENT REPAIR DETAILS SN 081-0106
 - 20 EAST ABUTMENT REPAIR DETAILS SN 081-0106
 - 21 TROUGH REPLACEMENT DETAILS SN 081-0106
 - 22 ALUMINUM RAILING REPAIR DETAILS SN 081-0106
 - 23 PREFORMED JOINT STRIP SEAL SN 081-0106
 - 24 BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS SN 081-0106

STATE STANDARDS

701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
70142609	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS > 45 MPH
701901-07	TRAFFIC CONTROL DEVICES
704001 09	TEMPORARY CONCRETE RARRIER

GENERAL NOTES

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800–892–0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

Hazards behind Temporary Concrete Barrier Wall

No materials, equipment, vehicles or other hazards shall be within 3'-6" of the temporary concrete barrier wall, measured from the closest point of the barrier wall perpendicular to the hazard. Equipment that is actively working with 3'-6" of the barrier wall may be allowed for a short duration, if approved by the engineer, required for the work activity, and there is not another method to complete the work.

FILE NAME ==	USER WAME = domeN	DESIGNED -	REVISED _			OF SHEE	TS. STA	TE STANDARD	S	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEET NO.				
pw:\\ILD\$4EBIDINTEG.\$fisols.gov:PWIQQT\Dacqueents\IDGT_DHk	ns\District Z\Projects\Operations\Bridge Section\Rook Island\U81-0104	#4DE#MIN 02-sin-cover.den	REVISED _	 STATE OF ILLINOIS	& GENERAL NOTES						1			280	(81-16)BRR	ROCK ISLAND	24 2
	PLOT SCALE = 42.0000 '/m.	CHECKED —	REVISED	 DEPARTMENT OF TRANSPORTATION									CONTRACT	NO. 64L93			
Default.	PLOT DATE = Nov-02-2017 09:50:51 AM	DATE -	REVISED -		SCALE:	SHEET	0F	SHEETS	STA	TO STA.	L	RLENGES FED.	ALD PROJECT				

SUMMARY OF QUANTITIES

50% Iowa/50% Illinois 0047

		<u> </u>
Description	Unit	Quantity
		GRBAN
CONCRETE REMOVAL	CUYD	27.6
CONCRETE SUPERSTRUCTURE	CU YD	28.8
REINFORCEMENT BARS, EPOXY COATED	POUND	3,560
BAR SPLICERS	EACH	8
PREFORMED JOINT STRIP SEAL	FOOT	165
MOBILIZATION	L SUM	1
TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	2
TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	43,600
TEMPORARY CONCRETE BARRIER	FOOT	8,675
RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	8,675
PAINT PAVEMENT MARKING - LINE 4"	FOOT	18,620
PAVEMENT MARKING REMOVAL - WATERBLASTING	SQ FT	6,210
TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	14,544
STRUCTURAL STEEL REPAIR	POUND	8970
	CONCRETE REMOVAL CONCRETE SUPERSTRUCTURE REINFORCEMENT BARS, EPOXY COATED BAR SPLICERS PREFORMED JOINT STRIP SEAL MOBILIZATION TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 TEMPORARY PAVEMENT MARKING - LINE 4" TEMPORARY CONCRETE BARRIER RELOCATE TEMPORARY CONCRETE BARRIER PAINT PAVEMENT MARKING - LINE 4" PAVEMENT MARKING REMOVAL - WATERBLASTING TEMPORARY PAVEMENT MARKING REMOVAL	CONCRETE REMOVAL CONCRETE SUPERSTRUCTURE CU YD REINFORCEMENT BARS, EPOXY COATED POUND BAR SPLICERS EACH PREFORMED JOINT STRIP SEAL FOOT MOBILIZATION L SUM TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 EACH TEMPORARY PAVEMENT MARKING - LINE 4" FOOT RELOCATE TEMPORARY CONCRETE BARRIER FOOT PAINT PAVEMENT MARKING - LINE 4" FOOT PAVEMENT MARKING REMOVAL - WATERBLASTING SQ FT TEMPORARY PAVEMENT MARKING REMOVAL SQ FT

	* >Le et U (A 1 1 c W																		
FALE NAME ==	USER NAME = dosaód	DESIGNED _	REVISED _						FAI.	SECTION	COUNTY	TOTAL SHEE	1						
ave:\\ILD\$4EBROINTEQ.Binois.gov:PWTD0T\Documents\ID0T_0ffse	a/District Z/Projects/Operations/Bridge Section/Sock Island/051-0106	64 DRANO V/02-att-cover.dgs	REVISED _	STATE OF ILLINOIS	SUMMARY OF QUANTITIES							SUMMARY OF QUANTITIES			280	(81–1B)BRR	ROCK ISLAND	24 3	1
	PLOT SCALE = 40,0000 '/m.	CHECKED _	REVISED _	DEPARTMENT OF TRANSPORTATION	SCALE: SHEET OF SHEETS STA. TO STA.								CONTRACT	NO. 64L93	7				
Default	PLOT BATE = Nov-02-2017 05:00:24 AM	DATE _	REVISED _									ILLINOIS	FED. AID PROJECT		1				

SUMMARY OF QUANTITIES

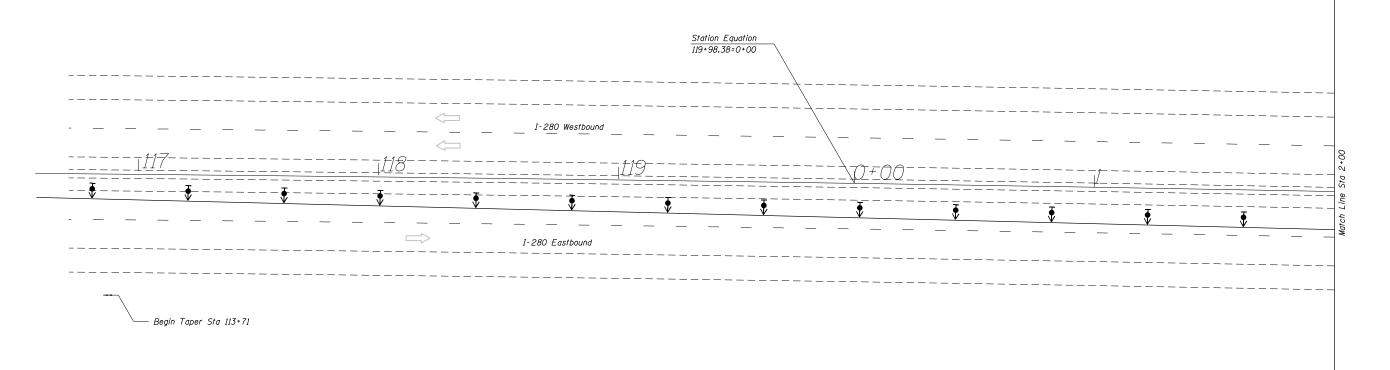
50% Iowa/50% Illinois 00.サブ

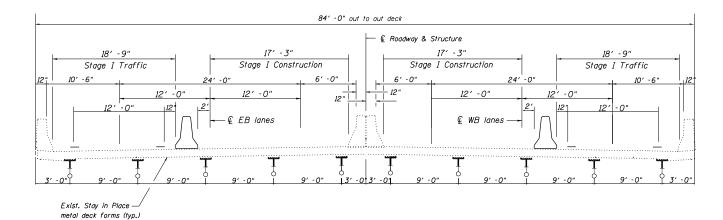
Pay Item#	Description	Unit	Quantity
			URBAN
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2
10600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2
x032 67/9	FALCON PROTECTION	EACH	a
·			
		· · · · · · · · · · · · · · · · · · ·	
		The Assets of Land	

'\

FILE NAME =	USER NAME = dosadd	DESIGNED ~	REVIȘED _			_					FAI. BTE	SECTION	COUNTY	SHEETS	NO.
pw:\\8.684EBIDHNTE9.Emph.gov:PWIDGT\Documents\iDGT_0ff	icus/District Z\Projects\Operations\Bridge Section\Rock island\U81-0101	###DECMON\D2-ett-cover.dgs	REVISED	STATE OF ILLINOIS	SUMMARY OF QUANTITIES					280	(81-1B)BRR	ROCK ISLAND	24	4	
	PLOT SCALE = 40.0000 '/le.	CHECKED -	REVISED _	DEPARTMENT OF TRANSPORTATION							-	CONTRACT	T NO. 64L93	3	
Defailt	PLOT DATE = Nov-02-2017 09:00:33 AM	T	REVISED _		SCALE: SHEET OF SHEETS STA. TO STA.					ELINORS	ELINOIS FED. AED PROJECT				

Traffic Control Plan Stage I IOWA APPROACH Refer to Standard 701402 for additional signs and devices.





1000' Temporary Pavement Marking (Yellow)

TYPICAL CROSS SECTION - STAGE I

Pavement Marking Removal

	-	
I	owa shift+tangent+Illinois shift	Sq Ft
Stage I		
Eastbound		
Right edgeline	4,610' x 6"	2 ,3 05
Westbound		
Right edgeline	4,610' x 6"	2 , 305
Stage II		
Eastbound		
Left edgeline	4,610' x 6"	2 ,3 05
Westbound		
Left edgeline	4,610′ x 6"	2 ,3 05
		9,220 Sq Ft

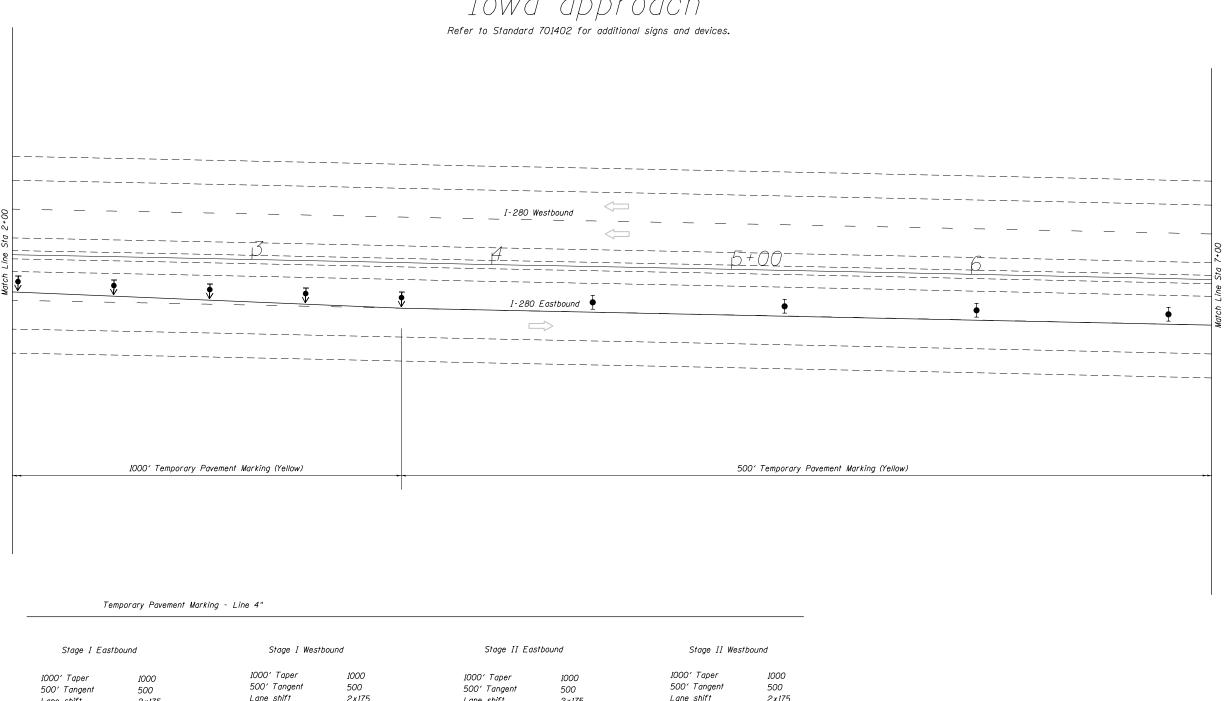
FILE NAME =	USER NAME = dossdd	DESIGNED _	REVISED _
pw:\\IL084EBIDINTEG.■Inols.gov:PWID0T\Documents\ID0T Offic	ces\District 2\Projects\Operations\Bridge Section\Rock Island\0810106\	64 DR:AXA/10 ∖D2–sht–⊆over.dgn	REVISED _
	PLOT SCALE = 40.0000 '/ln.	снескер _	REVISED _
Default	DLOT DATE - New 02 2017 00:00:47 AM	DATE	PENICED

STATI	E OI	F ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

SCALE:

	TRAFFIC CONTROL PLAN						SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
	SN 081-0106 STAGE LIOWA APPROACH		DDBUVCH	280	(81–16)BRR		ROCK ISLAND	24	5		
		WA 7	II I IIOAUII					CONTRACT	NO. 64L93			
	SHEET	OF	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	D PROJECT		

Traffic Control Plan Stage I Iowa approach for to Staderd 701002 for additional piece and do



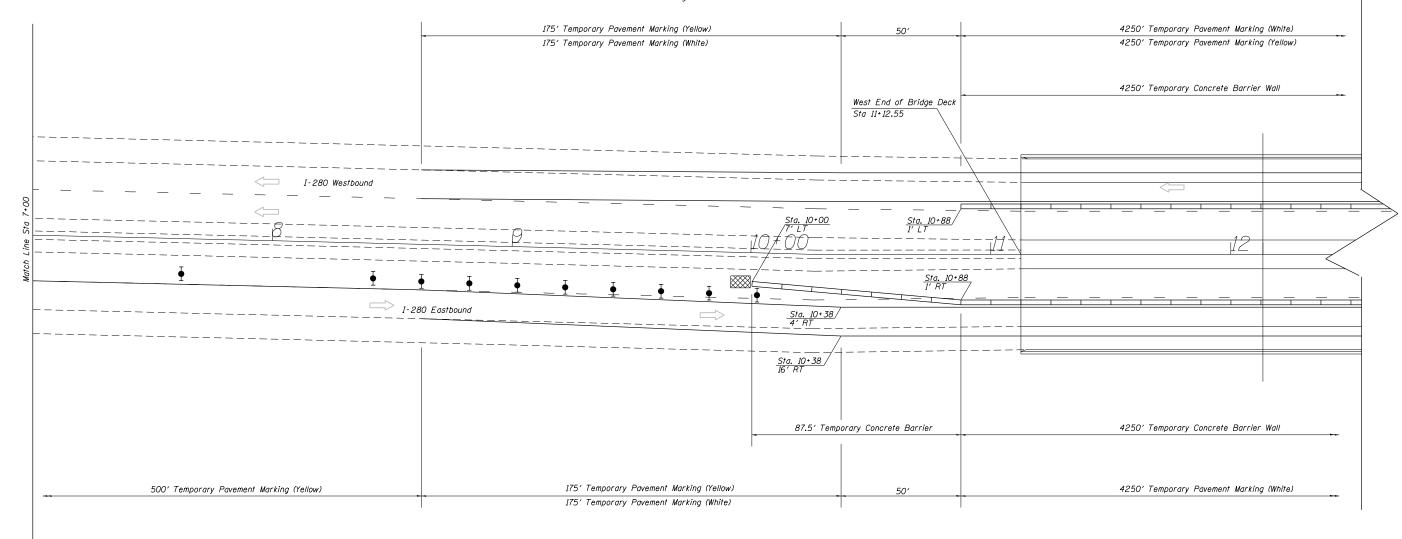
Stage I Eastbound		Stage I Westt	pound	Stage II Eas	stbound	Stage II Westbound				
1000' Taper 500' Tangent Lane shift 50' Ext. Bridge 50' Ext Lane shift	1000 500 2×175 2×50 2×4250 2×50 2×175	1000' Taper 500' Tangent Lane shift 50' Ext. Bridge 50' Ext Lane shift	1000 500 2x175 2x50 2x4250 2x50 2x175	1000' Taper 500' Tangent Lane shift 50' Ext Bridge 50' Ext Lane shift	1000 500 2×175 2×50 2×4250 2×50 2×175	1000' Taper 500' Tangent Lane shift 50' Ext. Bridge 50' Ext Lane shift	1000 500 2×175 2×50 2×4250 2×50 2×175			
	10,900		10,900		10,900		10,900			

Total 4x10,900 = 43,600 Ft

FILE NAME =	USER NAME = dossdd	DESIGNED _	REVISED _		TRAFFIC CONTROL PLAN						F.A.I. RTE	SECTION	N	COUNTY	TOTAL S SHEETS	ET 0.	
pw:\\IL084EBIDINTEG.#inols.gov:PWID0T\Documents\ID0T Office	s\District 2\Projects\Operations\Bridge Section\Rock Island\081010	06\64 DR/(XA/N \D2-sht-cover.dgn	REVISED _	STATE OF ILLINOIS	SN 081-0106 STAGE I IOWA APPROACH					280	(81–1B)BF	RR	ROCK ISLAND	24	ò		
	PLOT SCALE = 40.0000 '/ln.	CHECKED _	REVISED _	DEPARTMENT OF TRANSPORTATION	SN 081-0106 STAGE TOWA APPROACH SCALE: SHEET OF SHEETS STA. TO STA.)				CONTRACT	NO. 64L93	\neg
Default	PLOT DATE = Nov-02-2017 09:00:57 AM	DATE _	REVISED _								TO STA.		I I	LLINOIS FE	D. AID PROJECT		

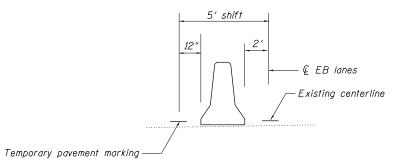
Traffic Control Plan Stage I Iowa approach

Refer to Standard 701402 for additional signs and devices.



Temporary Concrete Barrier Wall Stage I 87.5+4250 = 4,337.5 Westbound 87.5+4250 = 4.337.5 Total 8,675 Ft

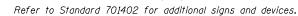
Temporary Impact Attenuators Stage I Westbound Total 2 Each

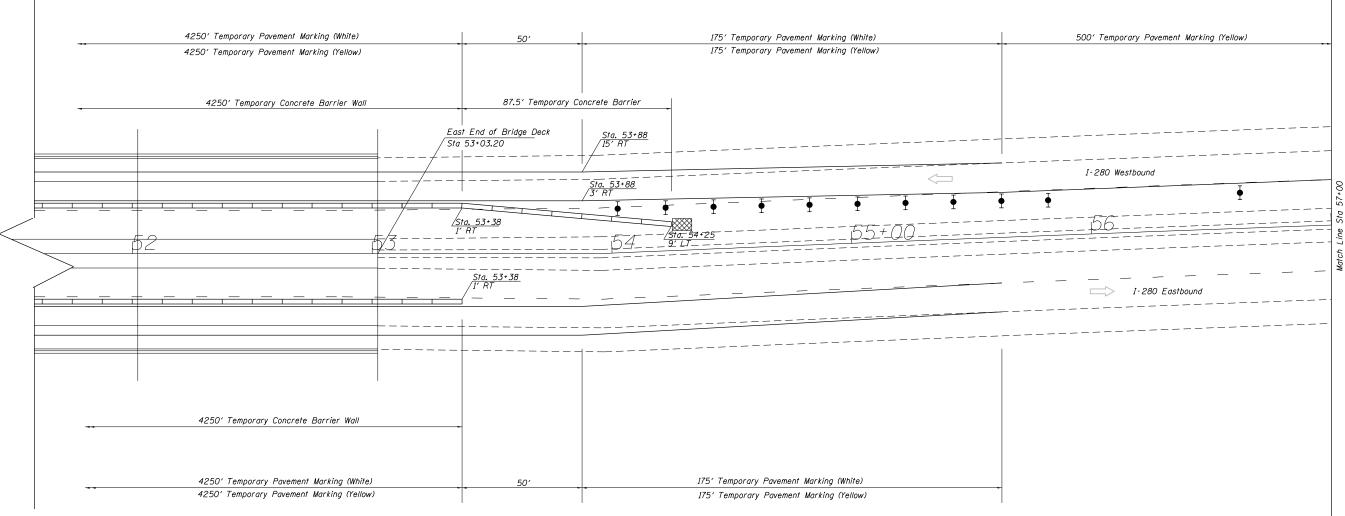


Barrier wall/Traffic Shift detail

FILE NAME =	USER NAME = dossdd	DESIGNED _	REVISED _		TRAFFIC CONTROL PLAN SN 081-0106 STAGE I IOWA APPROACH		F.A.I. SECTION		COUNTY	TOTAL SHEETS	EET				
pw:\\IL084EBIDINTEG. inols.gov:PWID0T\Documents\ID0T 0	fices\District 2\Projects\Operations\Bridge Section\Rock island\081-010	6\64 DR/CA/N \D2-sht-cover.dgn	REVISED _	STATE OF ILLINOIS			280	(81–1B)BRR	ROCK ISLAND	24	,				
	PLOT SCALE = 40.0000 '/ln.	CHECKED _	REVISED _	DEPARTMENT OF TRANSPORTATION			IUACH			CONTRACT NO. 64L9		\neg			
Default	PLOT DATE = Nov-02-2017 09:01:08 AM	DATE _	REVISED _		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.	. AID PROJECT		

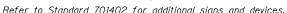
Traffic Control Plan Stage I Illinois approach

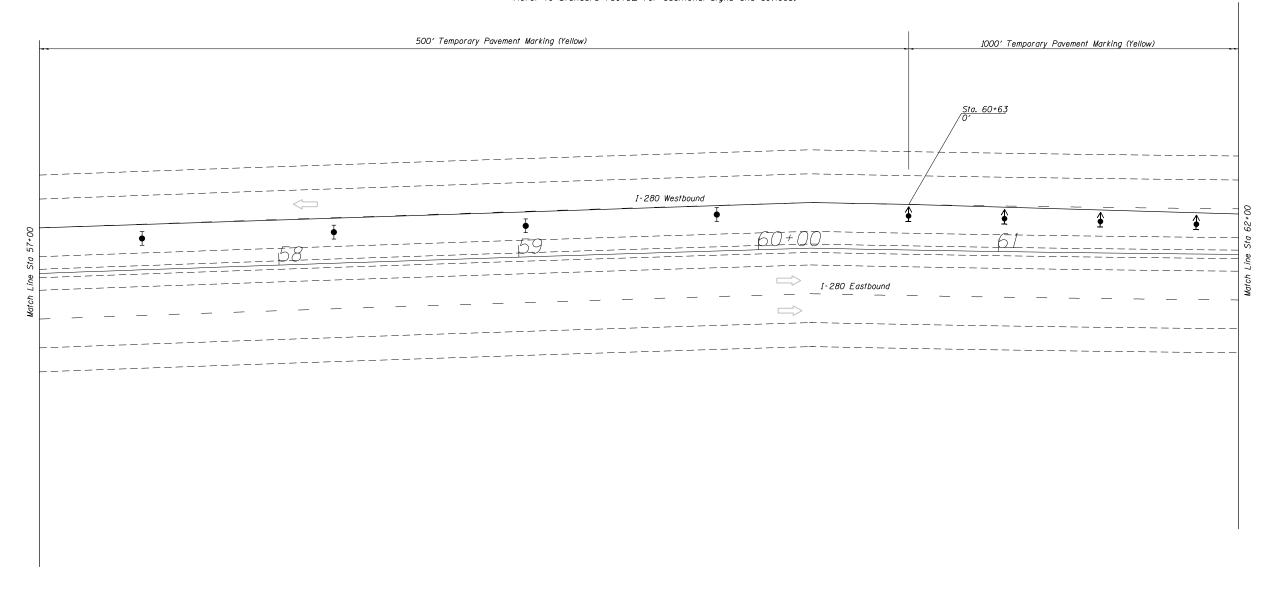




FILE NAME =	USER NAME = dossdd	DESIGNED _	REVISED _	TRAFFIC CONTROL PLAN		TRAFFIC CONTROL PLAN		F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET			
pw:\\IL084EBIDINTEG.IIInols.gov:PWIDOT\Documents\IDOT Off	ces\District 2\Projects\Operations\Bridge Section\Rock island\081-0106	64 DRAXAN I∖D2—sht—cover.dgn	REVISED _	STATE OF ILLINOIS	SN 081-0106 STAGE LILLINOIS APPROACH		280	(81–1B)BRR	ROCK ISLAND		8				
	PLOT SCALE = 40.0000 '/in.	CHECKED _	REVISED _	DEPARTMENT OF TRANSPORTATION			SIV 001-0100 STAGE FILLINOIS AFFROACH			CONTRACT	NO. 64L93				
Default	PLOT DATE = Nov-02-2017 09:01:16 AM	DATE _	REVISED _		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FE	ED.AID PROJECT		

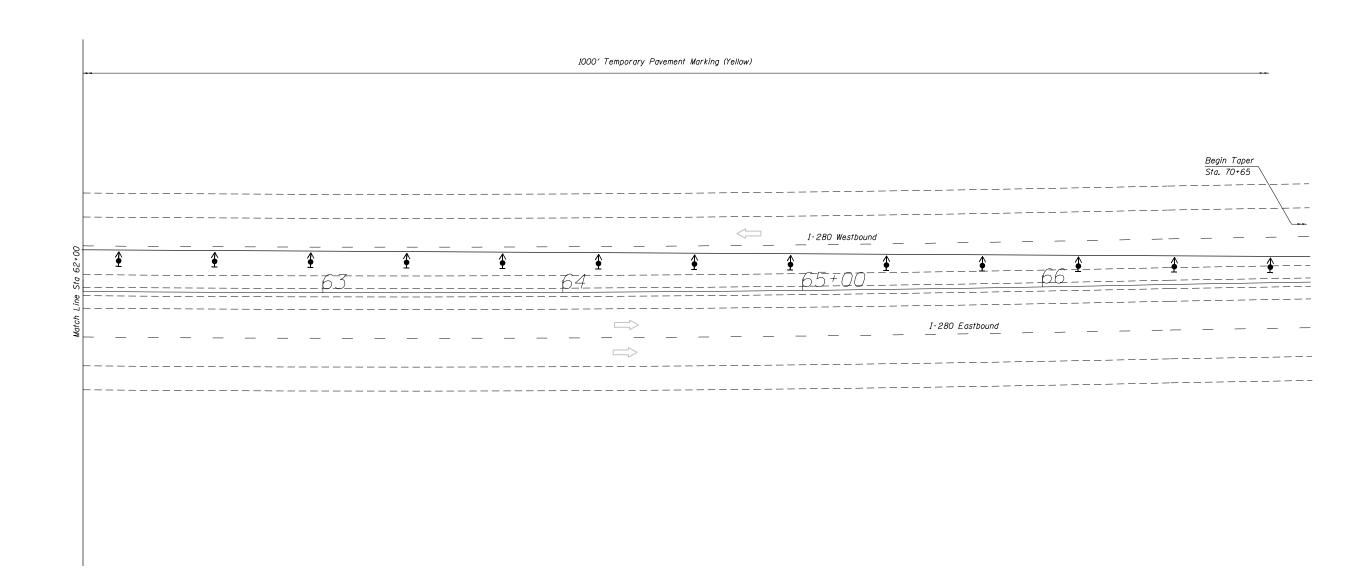
Traffic Control Plan Stage I I//inois approach Refer to Standard 701402 for additional signs and devices.





	FILE NAME =	USER NAME	= dossdd	DESIGNED _	REVISED _		TRAFFIC CONTROL PLAN		TRAFFIC CONTROL PLAN		TRAFFIC CONTROL PLAN		SECTION		COUNTY	TOTAL SHEETS	SHEET		
	pw:\\L084EBIDINTEG. Inds.gov:PMIDOT\Documents\IDOT Office\\District 2\\rangle Projects\\Operations\\Bridge Section\\Rock island\\081-0166\\ 64DEXMN\\081-0166\\ 64DEXM\\081-0166\\ 64DEXM\		20-11 The Common		Obstract 2\Projects Operations\Bridge Section\Rock Island\(081-0105\Gallet DRKWIN)(D2-oht-caver.dgn REVISED _		STATE OF ILLINOIS							280	(81–1B)BRR	ROC		24	9
					REVISED _	DEPARTMENT OF TRANSPORTATION	SN 081-0106 STAGE I ILLINOIS APPROACH				AUT				CONTRACT NO. 6				
	Default	PLOT DATE	= Nov-02-2017 09:01:25 AM	DATE _	REVISED _		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS	FED. AID PROJ	IECT			

Traffic Control Plan Stage I Illinois approach Refer to Standard 701402 for additional signs and devices.



Default	PLOT DATE = Nov-02-2017 09:01:32 AM	DATE _	REVISED _
	PLOT SCALE = 40.0000 '/in.	CHECKED _	REVISED _
pw:\\IL084EBIDINTEG. IIInois.gov:PWIDOT\Documents\IDOT Offic	es\District 2\Projects\Operations\Bridge Section\Rock Island\081–0106\	64 DR:(CALTO \D2—sht-cover.dgn	REVISED _
FILE NAME =	USER NAME = dossdd	DESIGNED _	REVISED _

STAT	E OF	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

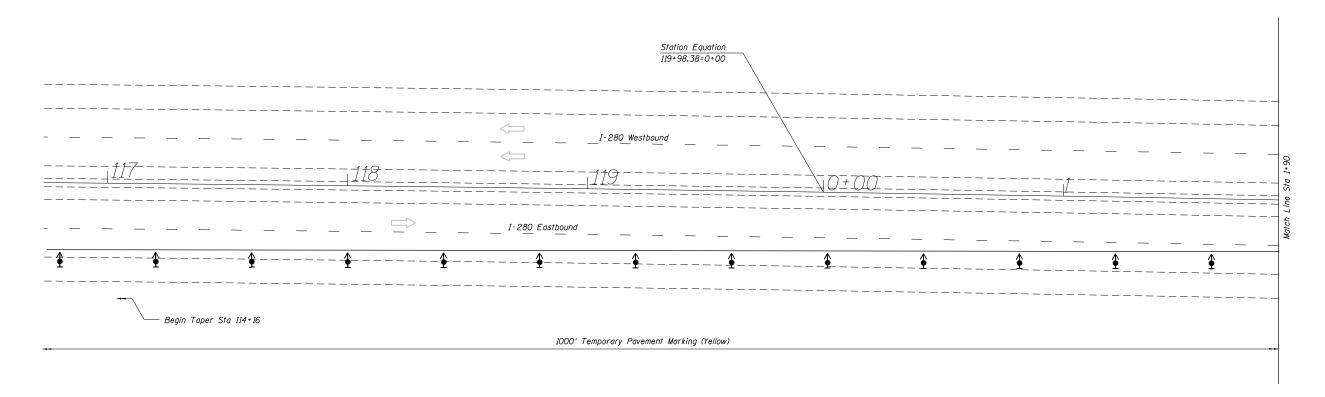
	TRAFFIC CONTROL PLAN SN 081-0106 STAGE I ILLINOIS APPROACH								
	3N 001-0100 STAGE FILLINOIS AFFROACH								
	SHEET	OF	SHEETS	ΔT2	ATS OT		_		

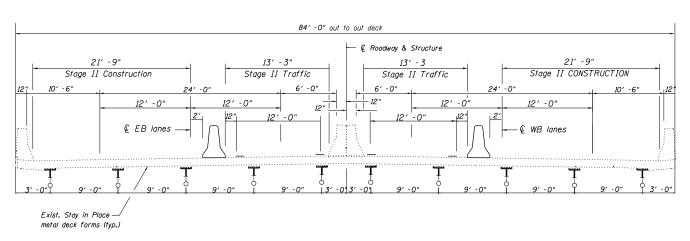
	SECT	rion		COUNTY	TOTAL SHEETS	SHEET No.		
	(81–18	B)BRR		ROCK ISLAND	24 10			
				CONTRACT	NO. 64L93			
_	ILLINOIS FED. AID PROJECT							

Traffic Control Plan Stage II

Iowa approach

Refer to Standard 701402 for additional signs and devices.

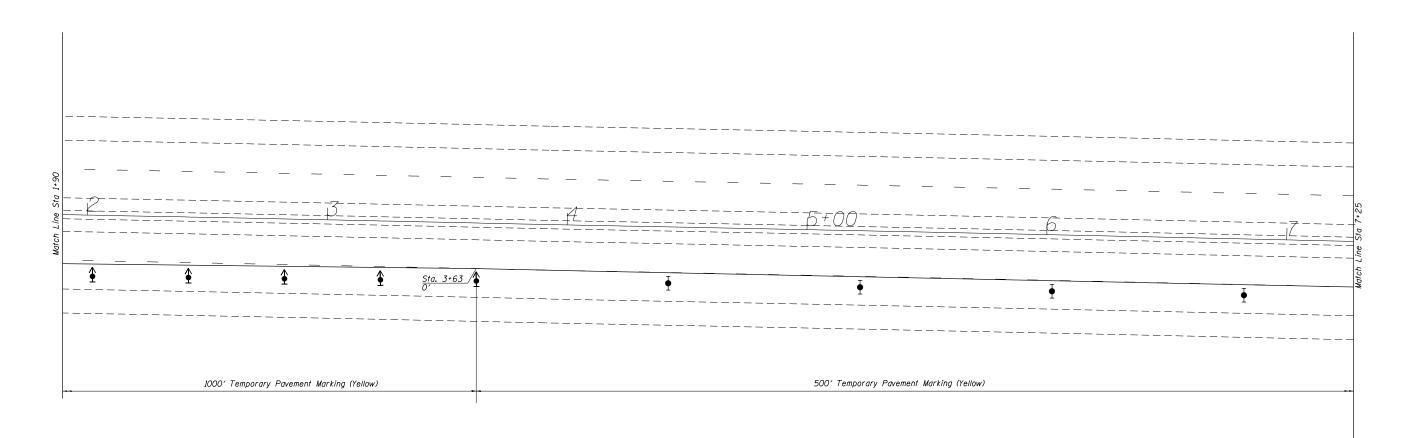




TYPICAL CROSS SECTION - STAGE II

FILE NAME =	USER NAME = dossdd	DESIGNED _	REVISED _		TRAFFIC CONTROL PLAN SN 081–0106 STAGE II IOWA APPROACH		F.A.I. RTE.	SECTION	N	COUNTY	TOTAL SHEETS	SHEET NO.				
pw:\\IL084EBIDINTEG.#Inols.gov:PWID0T\Docum	nents\IDOT Offices\District 2\Projects\Operations\Bridge Section\Rock isl	and\081–0106\64 DRAXAM \D2–sht–cover.dgn	REVISED _	STATE OF ILLINOIS			280	(81–1B)BR	RR	ROCK ISLAND	24	11				
	PLOT SCALE = 40.0000 '/ln.	CHECKED _	REVISED _	DEPARTMENT OF TRANSPORTATION						CONTRACT N	IO. 64L93					
Default	PLOT DATE = Nov-02-2017 09:01:39 AM	DATE _	REVISED		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILL	LINOIS FED. AID	PROJECT		-

Traffic Control Plan Stage II IOWA Approach Refer to Standard 701402 for additional signs and devices.



Workzone Pavement	Marking Removal	
Stage I	Sq Ft	
Eastbound Westbound	3,575 3,575	
Stage II		
Eastbound Westbound	3,575 3,575	
	Total 14,300 Sq Ft	

FILE NAME =	USER NAME = dossdd	DESIGNED _	REVISED _
pw:\\IL084EBIDINTEG.IIInols.gov:PWID0T\Documents\ID0T Offic	es\District 2\Projects\Operations\Bridge Section\Rock Island\081-0106\	64 DR:(CAIN) D2-sht-cover.dgn	REVISED _
	PLOT SCALE = 40.0000 '/ln.	CHECKED _	REVISED _
Default	PLOT DATE = Nov-02-2017 09:01:46 AM	DATE _	REVISED _

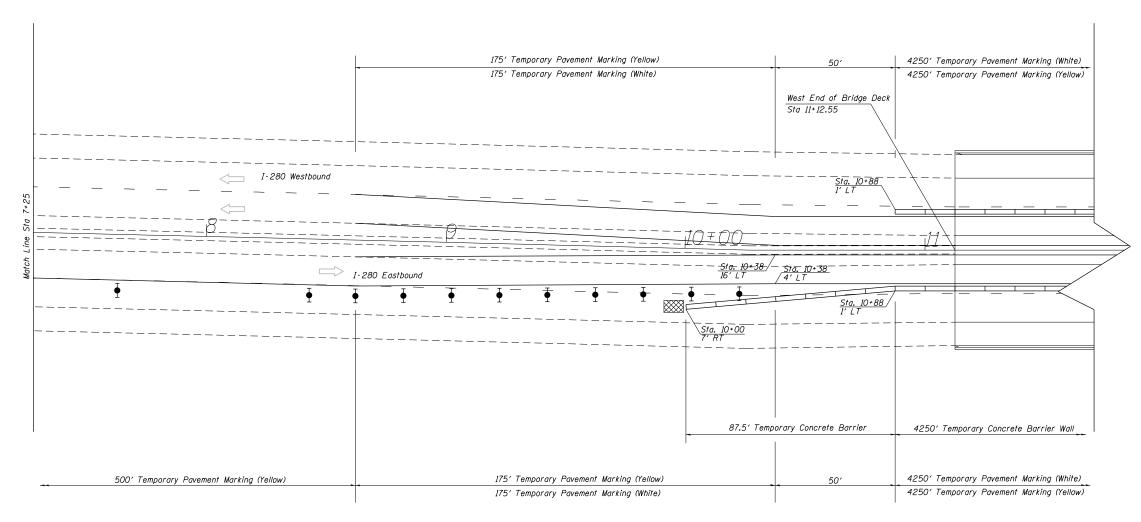
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	TRAFFIC	CONTRO	F.A.I. RTE.		COUN				
SN O	81-0106 ST	280	(81–18)BRR		ROCK IS			
314 0	01-0100 31	AUL II IU					CONT		
SHEET	OF	SHEETS	STA	TO STA			STORETH	EED A	D DDO IECT

Traffic Control Plan Stage II

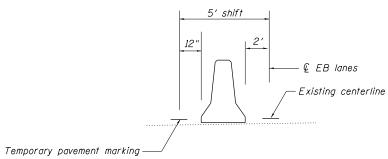
Iowa approach

Refer to Standard 701402 for additional signs and devices.



	Ft	
4250 =	4,337.5	
4250 =	4,337. 5	
	+4250 =	+4250 = 4,337.5 +4250 = 4,337.5 Total 8,675

Relocate Temporary	Impact Attenuators
Stage II	Each
Eastbound	1
Westbound	1
	Total 2 Each



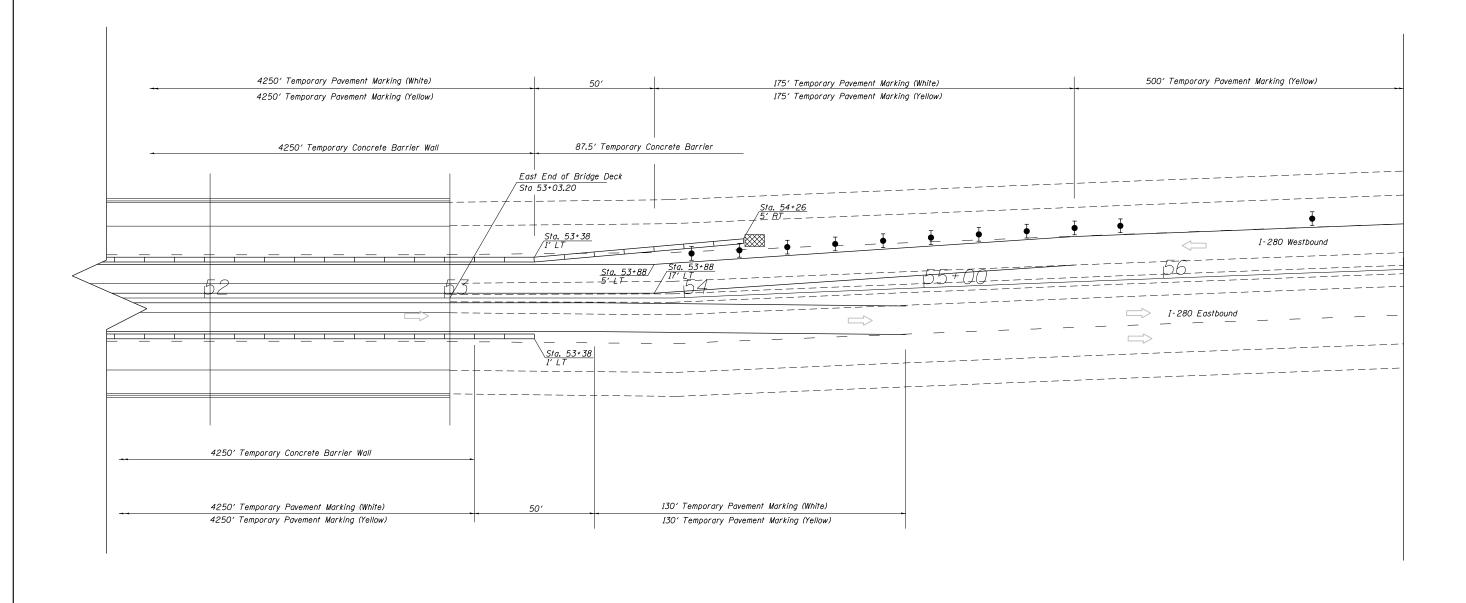
Barrier wall/Traffic Shift detail

FILE NAME =	USER NAME = dossdd	DESIGNED _	REVISED _				TRAFFIC	: CON	ITROL P	AN		F.A.I. RTE.	SECTION	N	COUNTY	TOTAL S SHEETS	HEET NO.
pw:\\IL084EBIDINTEG. inols.gov:PWID0T\Documents\ID0T 0ffl	es\District 2\Projects\Operations\Bridge Section\Rock Island\081-010	06\64 DR/(XA/N \D2-sht-cover.dgn	REVISED _	STATE OF ILLINOIS						APPROAC	·u	280	(81–1B)BF	RR	ROCK ISLAND	24	13
	PLOT SCALE = 40,0000 '/in.	CHECKED _	REVISED _	DEPARTMENT OF TRANSPORTATION		314 001	-0100 31.	IAGE	II IUWA	AFFRUAG	л				CONTRACT	NO. 64L93	\neg
Default	PLOT DATE = Nov-02-2017 09:01:55 AM	DATE _	REVISED _		SCALE:	SHEET	OF	SHE	ETS STA.		TO STA.		ILI	LINOIS FE	D. AID PROJECT		



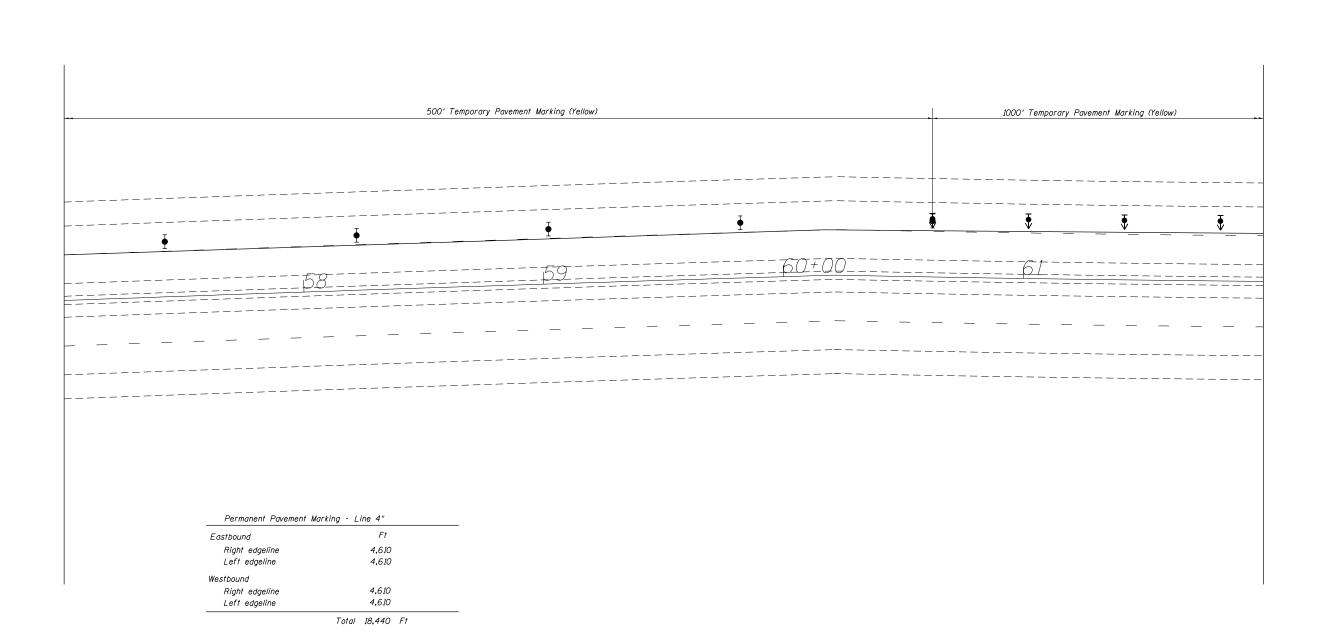
Traffic Control Plan Stage II Illinois approach

Refer to Standard 701402 for additional signs and devices.



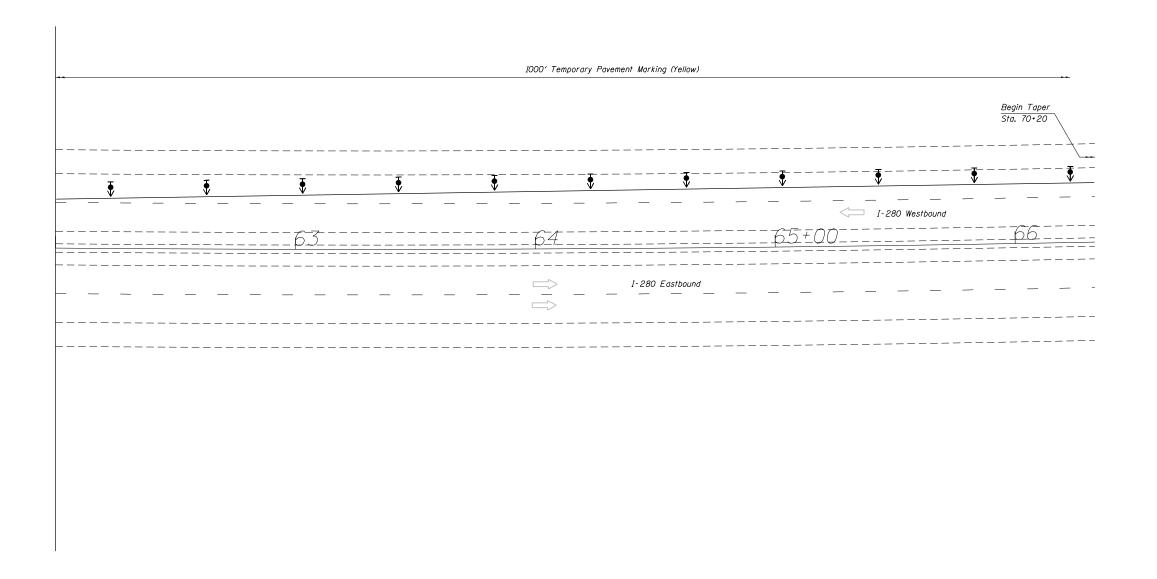
FILE NAME =	USER NAME = dossdd	DESIGNED _	REVISED _				TRAFFIC	CONTR	ROL PLAN		F.A.I.	SECTION	COUNTY	TOTAL SHEET
pw:\\IL084EBIDINTEG. inols.gov:PWID0T\Documents\ID0T Office	pw:\\IL084EBIDINTEG.IIInols.gov:PWIDOT\Documents\IDOT Offices\District 2\Projects\Operations\Bridge Section\Rock Island\081-0105 64DR.CAMIN\D2-sht-cover.dgn		REVISED _	STATE OF ILLINOIS		ON 004				DO A OLI	280	(81–1B)BRR	ROCK ISLAND	24 14
	PLOT SCALE = 40.0000 '/ln.	CHECKED _	REVISED _	DEPARTMENT OF TRANSPORTATION		2M 081-	0100 21A	AGE II IL	LINOIS APP	RUACH		,,	CONTRACT	NO. 64L93
Default	PLOT DATE = Nov-02-2017 09:02:03 AM	DATE _	REVISED _		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILUNOIS FED.	AID PROJECT	

Traffic Control Plan Stage II I//inois approach Refer to Standard 701402 for additional signs and devices.



FILE NAME =	USER NAME	= dossdd	DESIGNE	ED _	REVISED _				TRAFFIC	CONTR	N DIAN		F.A.I.	SECTION	COUNTY	TOTAL	SH
pw:\\IL084EBIDINTEG.@inols.gov:PWIDOT\Documents\IDOT Offi	ces\District 2\Proje	cts\Operations\Bridge Section\Rock island\081-010	06\64 DR;(XXXIV)	\D2-sht-cover.dgn	REVISED _	STATE OF ILLINOIS						O A CII	280	(81–1B)BRR	ROCK ISLAND	24	1
	PLOT SCALE	= 40.0000 '/ln.	CHECKE	D _	REVISED _	DEPARTMENT OF TRANSPORTATION		2M 081-0	0106 21A	GE II ILI	INOIS APPR	SUACH		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CONTRACT		93
Default	PLOT DATE	= Nov-02-2017 09:02:10 AM	DATE	_	REVISED _		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS	FED. AID PROJECT		

Traffic Control Plan Stage II IIIIOIS APPROACH Refer to Standard 701402 for additional signs and devices.

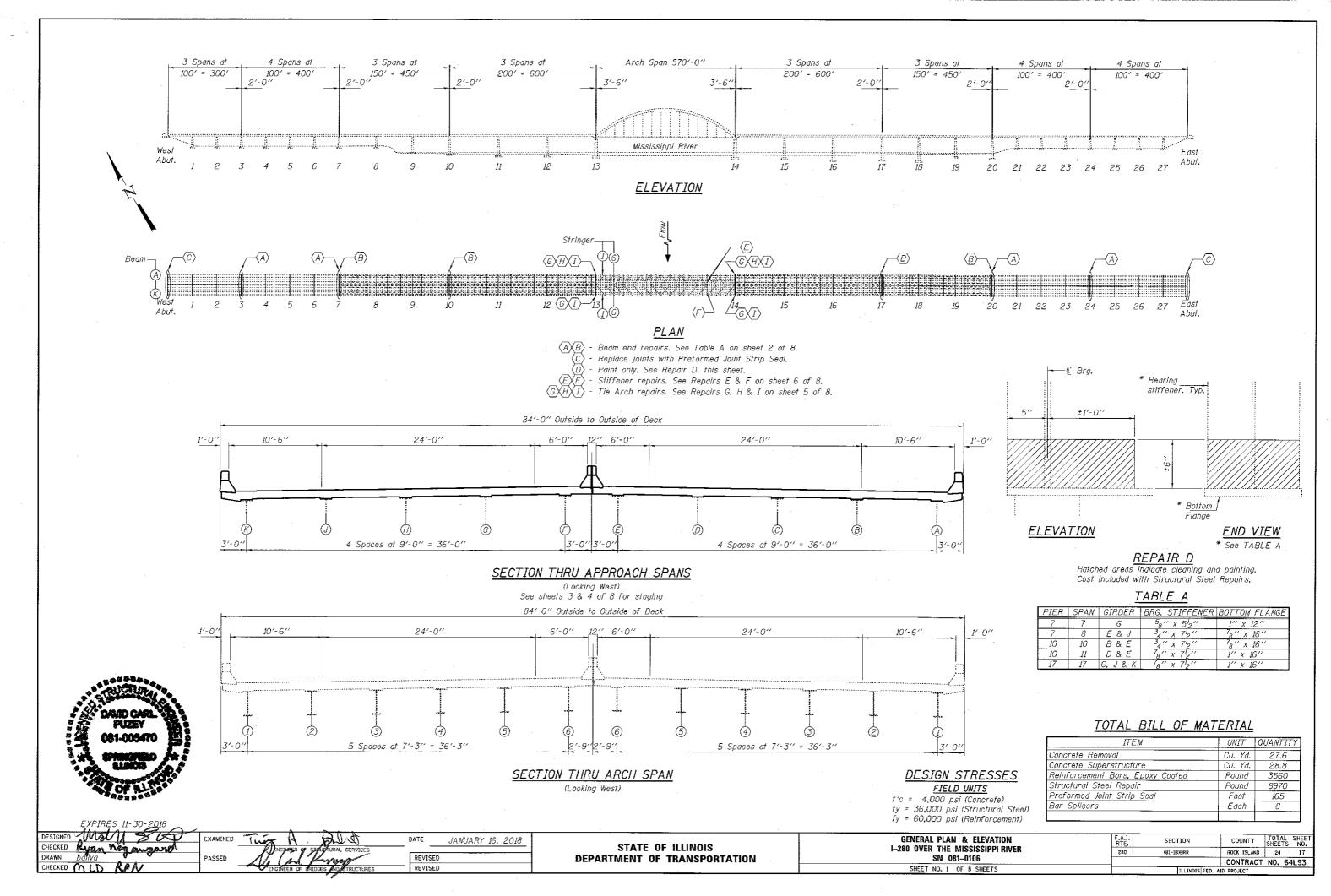


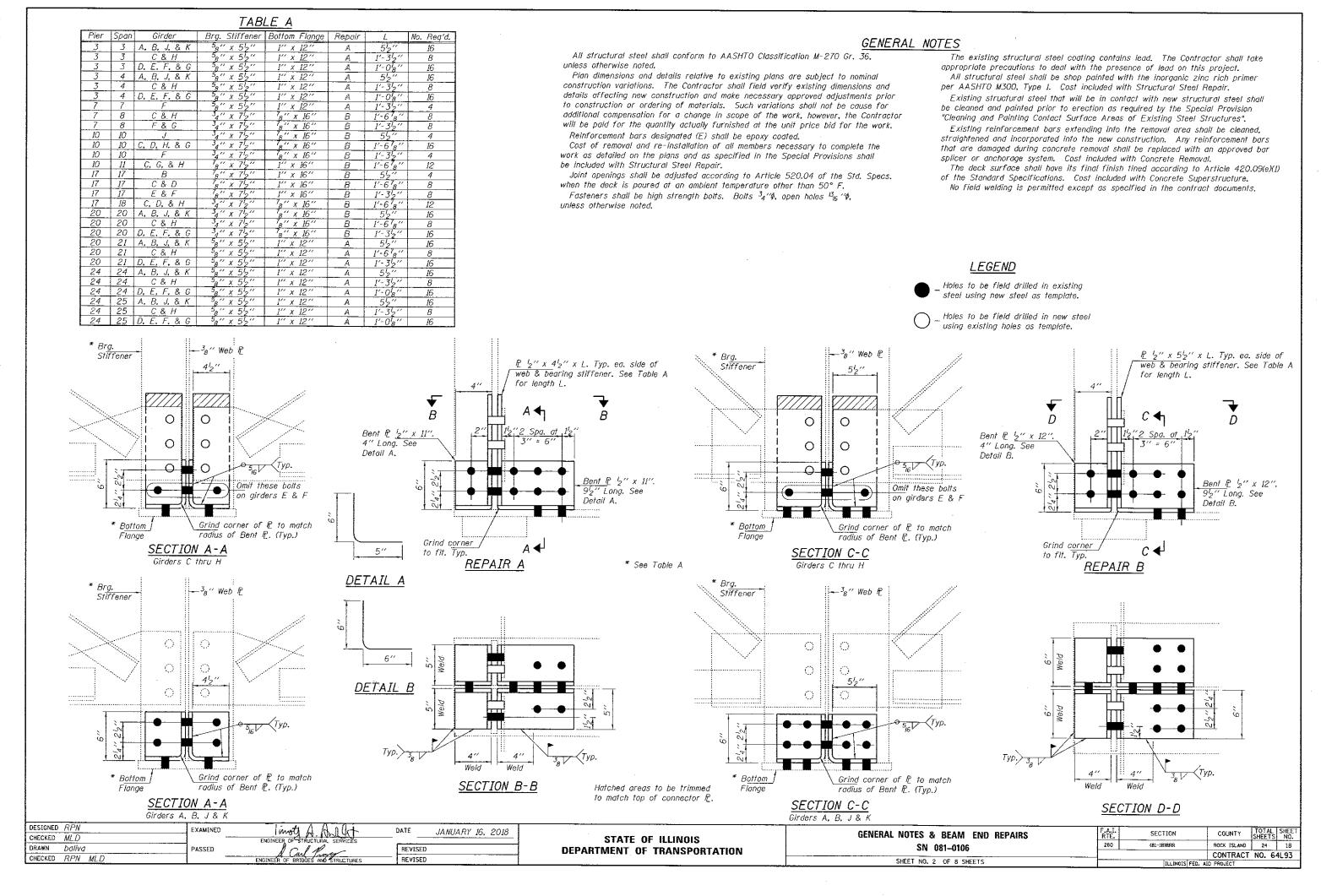
FILE NAME =	USER NAME = dossdd	DESIGNED _	REVISED _	
pw:\\IL084EBIDINTEG.Binois.gov:PWIDOT\Documents\IDOT Offic	es\District 2\Projects\Operations\Bridge Section\Rock Island\081–0106\	64 DR:(CAIN) D2-sht-cover.dgn	REVISED _	
	PLOT SCALE = 40.0000 '/ln.	CHECKED _	REVISED _	
Default	PLOT DATE = Nov-02-2017 09:02:20 AM	DATE _	REVISED _	

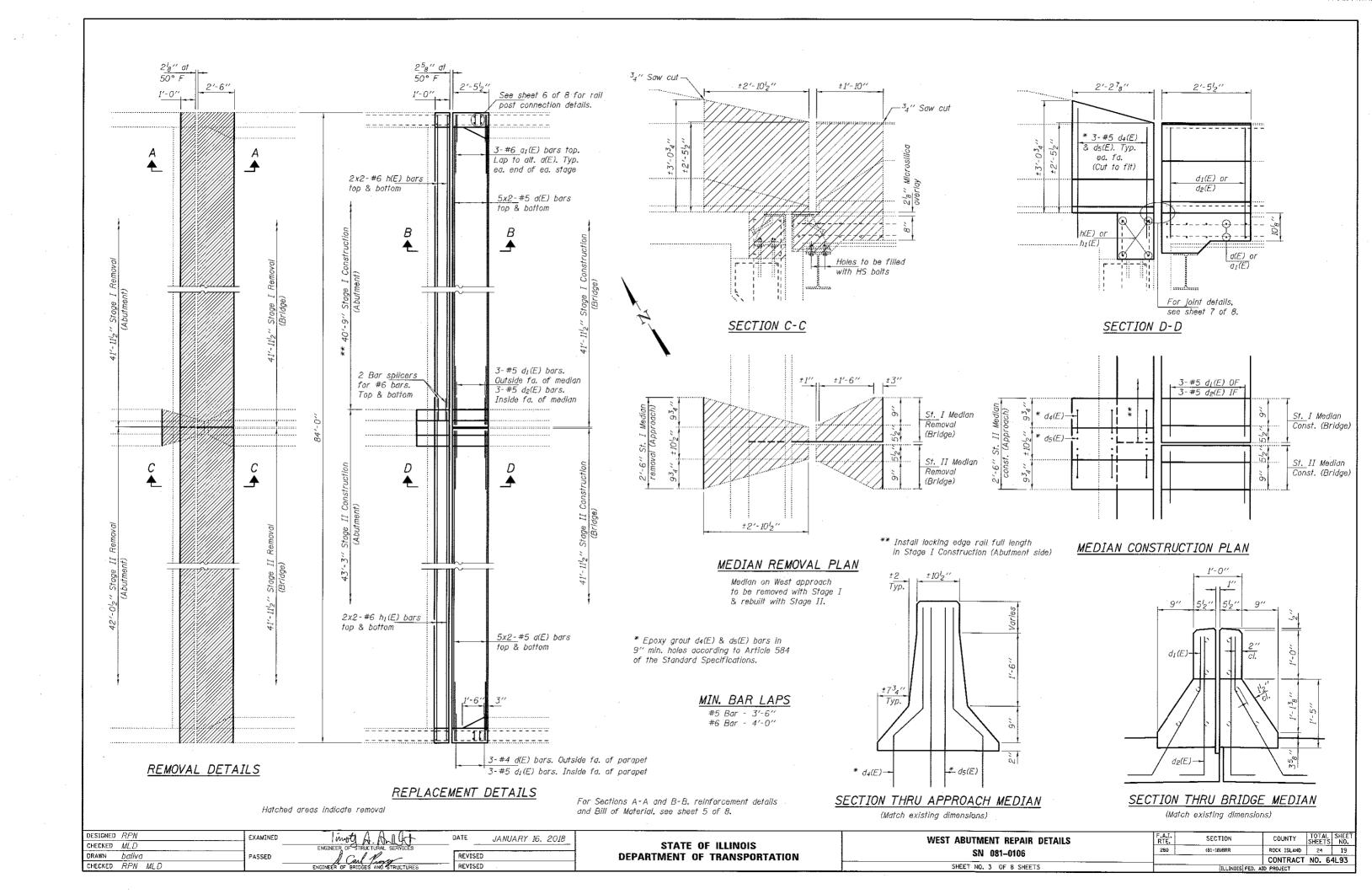
STATI	STATE OF ILLINOIS							
DEPARTMENT	0F	TRANSPORTATION						

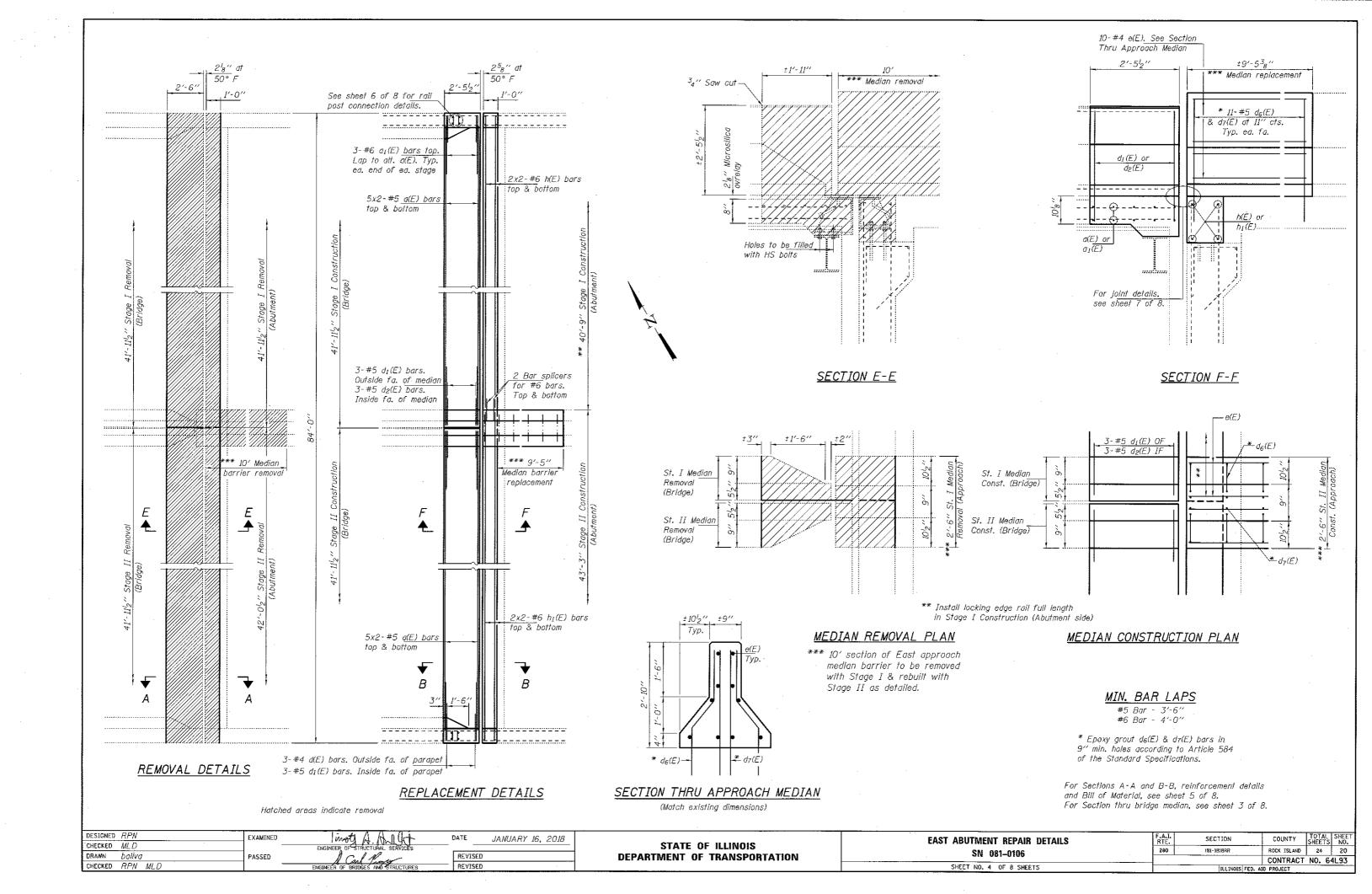
	TRAFFIC	CONTRO	L PLAN		F.A.I. RTE.	SECTION
SN 081–	0106 STA	280	(81–1B)BRR			
JIV 001-	0100 317					
SHEET	OF	SHEETS	STA.	TO STA.		ILUNOIS

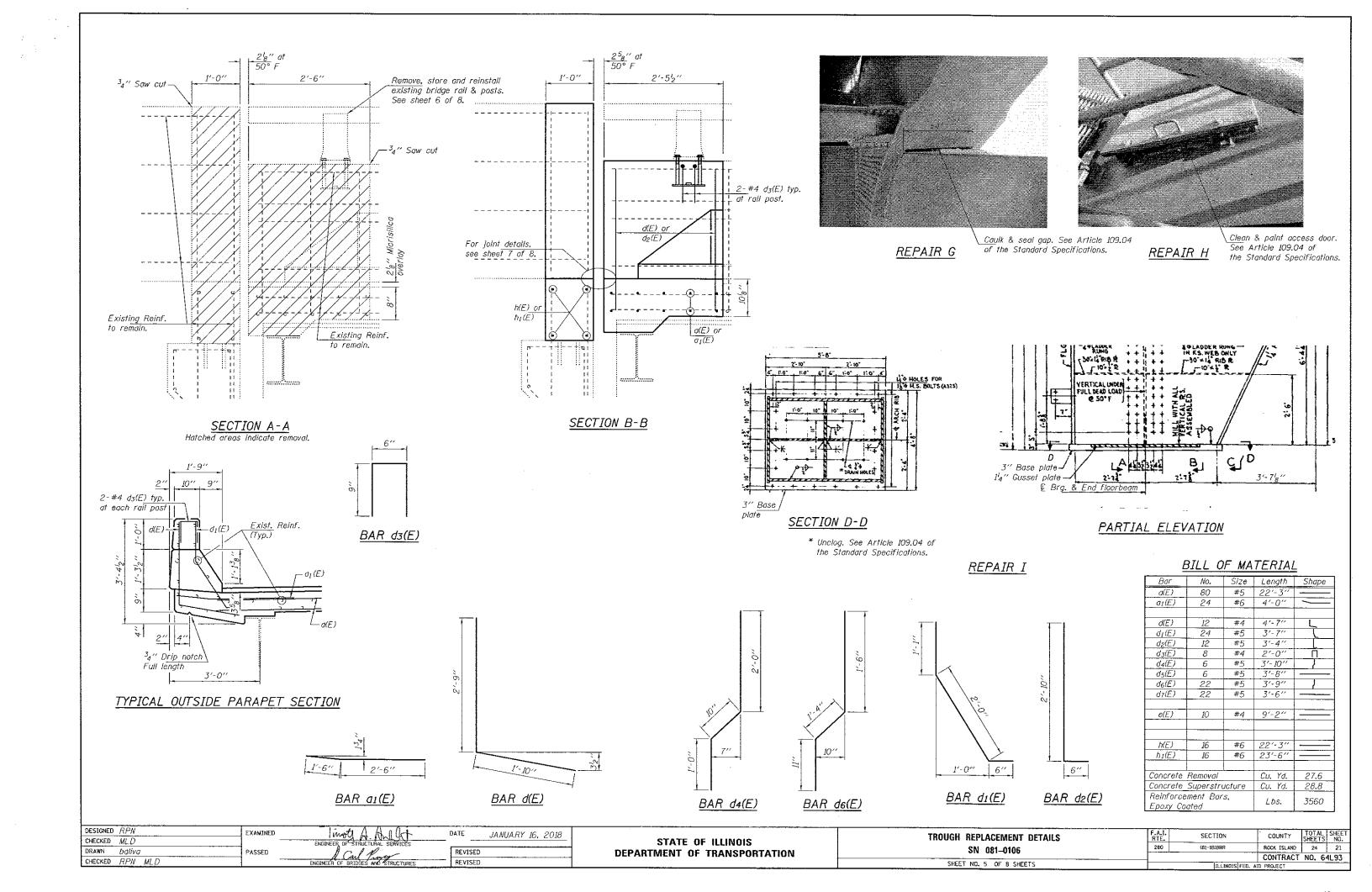
F.A.I. RTE.	SECT	rion		COUNTY	TOTAL SHEETS	SHEET NO.
280	(81–18	B)BRR		ROCK ISLAND	24	16
			CONTRACT	NO. 64L93		
		ILLINOIS	FED. A	D PROJECT		

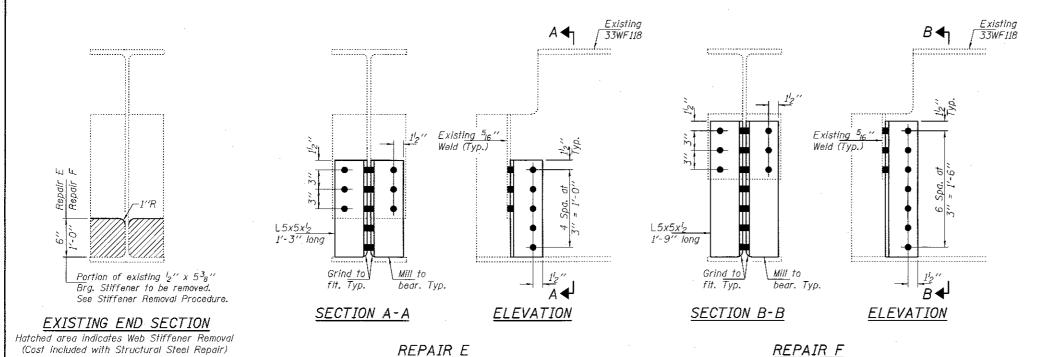






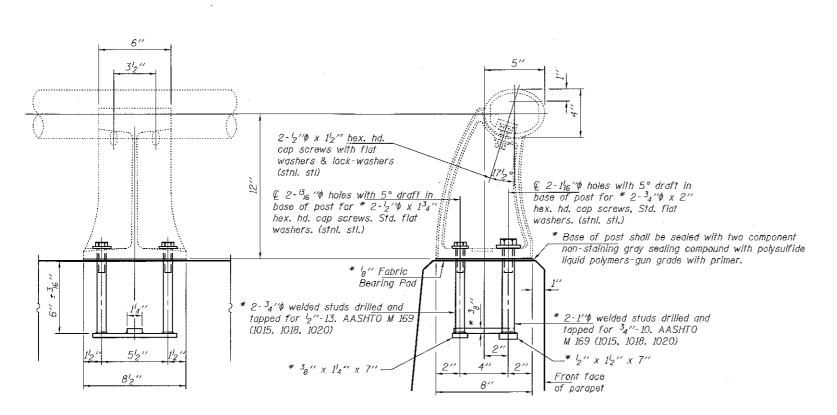






STIFFENER REMOVAL PROCEDURE

- 1. Cut existing web stiffener as shown. The minimum distance from cut to face of web shall be the larger of \(^1_4\)" or web to plate weld size, with removal of remaining material by grinding as described below. The cut shall be made parallel to the web without angling the cut towards the web. Equipment and method of cutting shall be approved by the Engineer. Any method of removal to be used shall ensure that no damage is done to the existing web.
- Cutting shall be done in a manner such that the paint on the opposite face of the web is not damaged. If damage occurs, the damaged area shall be repainted at the contractor's expense and procedures shall be modified to prevent damage at subsequent removal locations.
- 3. The web surface at the modification shall be inspected using dye penetrant or magnetic particle (MT) methods. Any cracks found shall be identified and reported to the Bureau of Bridges and Structures for further disposition.

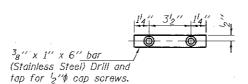


See sheet 1 of 8 for locations.

RAIL POST DETAILS

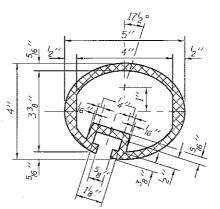
* New Rail Post anchorage devices will be required at each location where posts are connected to new construction.

Cost included with Concrete Superstructure.

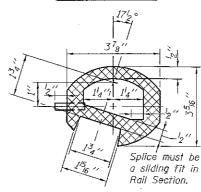


CLAMP BAR

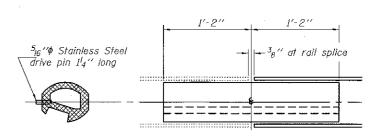
See sheet 1 of 8 for location.



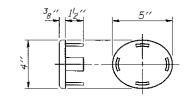
SEC. THRU ELLIPTICAL RAIL SECTION



SEC. THRU SPLICE



RAIL SPLICE



CAST END CAP

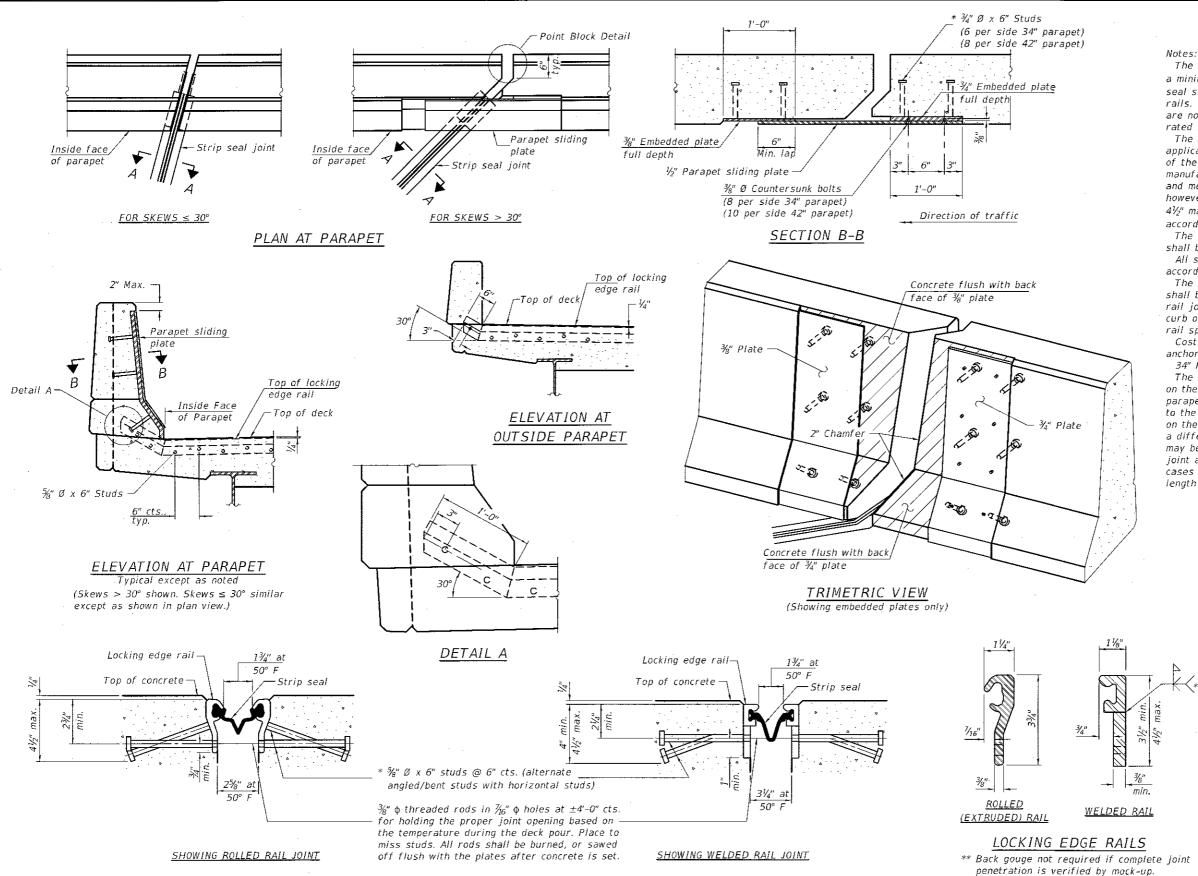
DRIVE FIT TYPE

DESIGNED	RPN	EXAMINED	I mote of Aprilot	DATE	JANUARY 16, 2018
CHECKED	MLD		ENGINEER OF STRUCTURAL SERVICES		
DRAWN	baliva	PASSED	A Carl A and	REVISED	
CHECKED	RPN MLD		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALUMINUM	RA	ILI	NG	R	EPAIR	DETAILS
	SN	0	81–	01	06	
SHEET	NO.	6	0F	8	SHEETS	

.I. E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	(81-1B)BRR	ROCK ISLAND	24	22
		CONTRACT	NO. 6	4L93
	ILLINOIS FED. AT	D PROJECT		



The strip seal shall be made continuous and shall have a minimum thickness of $\frac{1}{4}$ ". 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 41/2" 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 $\frac{3}{16}$ " 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. 34" F-shape barrier shown, 42" F-shape 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.

LOCKING EDGE RAIL SPLICE

Omit weld seal openii

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	165
,		

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

SECTION A-A

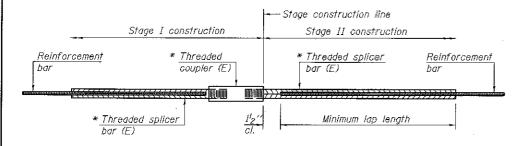
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PREFORMED JOINT STRIP SEAL SN 081-0106 SHEET NO. 7 OF 8 SHEETS

SECTION 280 ROCK ISLAND 24 23 (81-1B)BRF CONTRACT NO. 64L93

8-11-17

	the state of the s				
DESIGNED	RPN	EXAMINED	mot A. Allet	DATE	JANUARY 16, 2018
CHECKED	MLD		ENGINEER OF STRUCTURAL SERVICES		
DRAWN	baliva	PASSED	A Cal Prom	REVISED	
CHECKED	RPN MLD		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

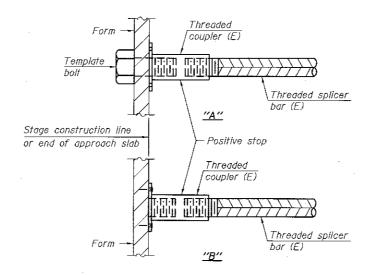


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + $1_2'''$ + thread length

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

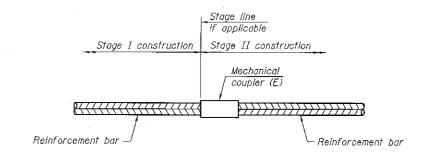
Location	Bar size	No. assemblies required	Minimum lap length
W. Abut. (HB)	#6	4	4'-0"
E. Abut. (HB)	#6	4	₫′- 0′′
			·



INSTALLATION AND SETTING METHODS

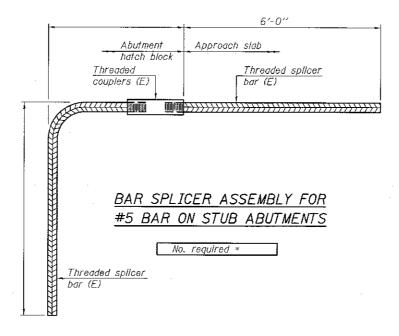
"A": Set bar splicer assembly by means of a template boit.
"B": Set bar splicer assembly by nalling to wood forms or cementing to steel forms.

(E): Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



<u>NOTES</u>

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

6-8-15

DESIGNED RPN EXAMINED WITH A ALICH DATE	JANUARY 16, 2018
CHECKED MLD ENGINEER OF STRUCTURAL SERVICES	07.1107.177.107.2010
DRAWN baliva PASSED REV	SED
CHECKED RPN MLD ENGINEER OF BRIDGES AND STRUCTURES REV	SED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS

SN 081-0106

SHEET NO. B OF B SHEETS