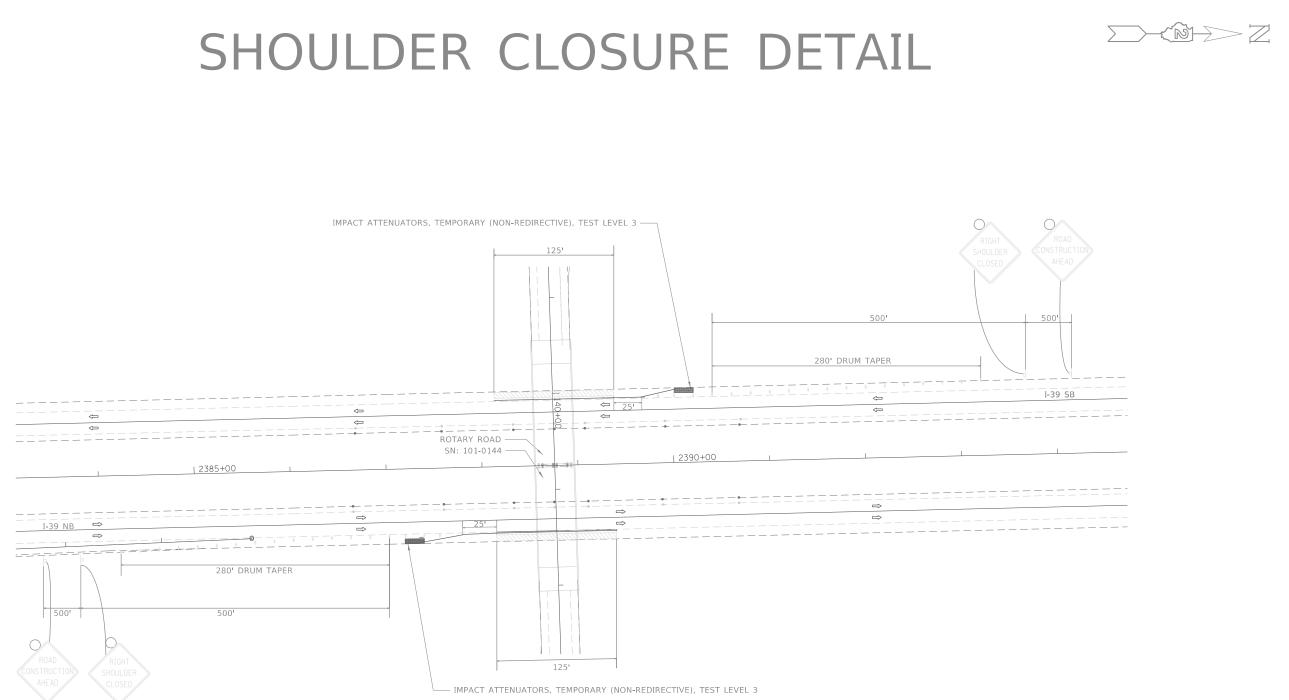


	SUMN	ARY OF QUA	ANTITIES	0013 100% State Funds
CODE NUMBER		ITEM	UNIT	TOTAL QUANTITY
50102400	CONCRETE REMOVAL		CU YD	3.8
50300255	CONCRETE SUPERSTRUCTURE		CU YD	3.8
50500405	FURNISHING & ERECTING STRU	CTURAL STEE.	POUND	2310
50800205	REINFORCEMENT BARS, EPOXY C	OATED	POUND	710
52000110	PREFORMED JOINT STRIP SEAL		FOOT	81
52100010	ELASTOMERIC BEARING ASSEME	BLY, TYPE I	EACH	12
52100520	ANCHOR BOLTS, 1"		EACH	48
67100100	MOBILIZATION		L SUM	1
70100700	TRAFFIC CONTROL AND PROTEC	FION, STANDARD 701406	L SUM	1
70400100	TEMPORARY CONCRETE BARRIER		FOOT	450
70600250	IMPACT ATTENUATORS, TEMPOR	ARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2
X7010216	TRAFFIC CONTROL AND PROTEC	FION, SPECIAL	L SUM	1
Z0001899	JACK AND REMOVE EXISTING E	EARINGS	EACH	12
ED	REVISED  -    181-8144  6@@@@Sⅅ\D2=sht=cover.dgn    REVISED  -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMI	MARY OF QUANTITIES

FILE NAME =	USER NAME = Rollinsks	DESIGNED -	REVISED -		
pw://ILØ84EBIDINTEG.1llinois.gov:PWIDOT/Do	uments\IDDT Offices\District 2\Projects\Ope	alRAWNBridge-Section\Winnebago\101-0144	6@@@S&DDD2-sht-cover.dgn	STATE OF ILLINOIS	SUMMARY OF QU
	PLDT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	
Default	PLOT DATE = Oct-17-2018 08:58:35 AM	DATE -	REVISED -		SCALE: SHEET OF SHEETS



# NOTES:

"ROAD CONSTRUCTION AHEAD" AND "RIGHT SHOULDER CLOSED" SIGNS SHALL BE PLACED ON I-39 NORTH BOUND ALONG WITH THE ON RAMP FROM BAXTER ROAD TO I-39 NORTH BOUND.

SIGNS AND DEVICES SHALL BE ACCORDING TO STANDARD 701101

USER NAME = Rollinsks	DESIGNED	REVISED			F.A.I. BTE	SECTION	COUNTY TOTAL SHEET
	DRAWN	REVISED	STATE OF ILLINOIS	SHOULDER CLOSURE DETAIL	39	D2 BJR 2019-1	WINNEBAGO 12 3
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED	DEPARTMENT OF TRANSPORTATION				CONTRACT NO. 64N30
PLOT DATE = Oct-17-2018 08:59:25 AM	DATE	REVISED		SCALE:   SHEET  OF  SHEETS  STA.		ILLINOIS FED. A	ND PROJECT





WORK AREA

SIGN

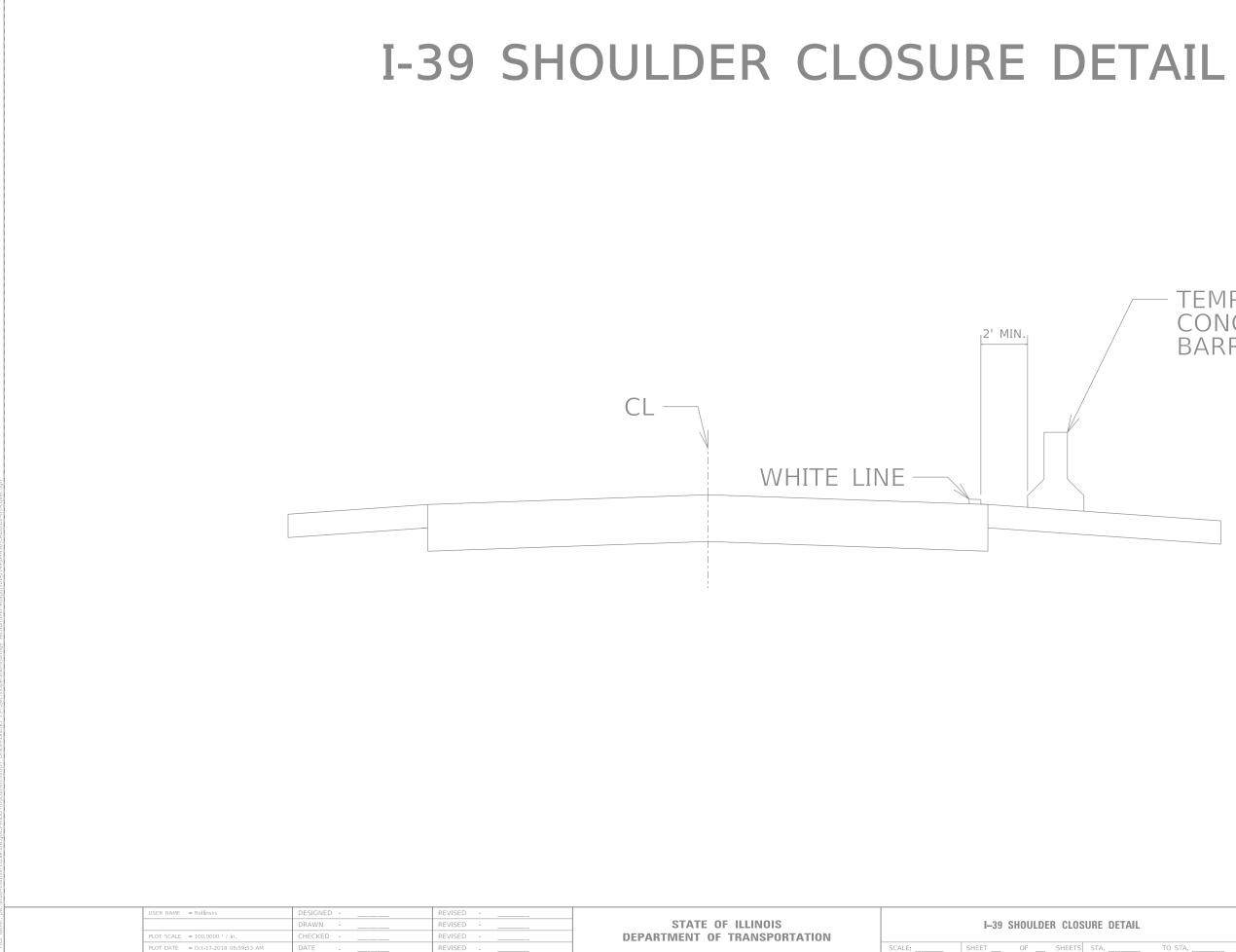


TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE, WITH STEADY BURN MONODIRECTIONAL LIGHT

TEMPORARY CONCRETE BARRIER

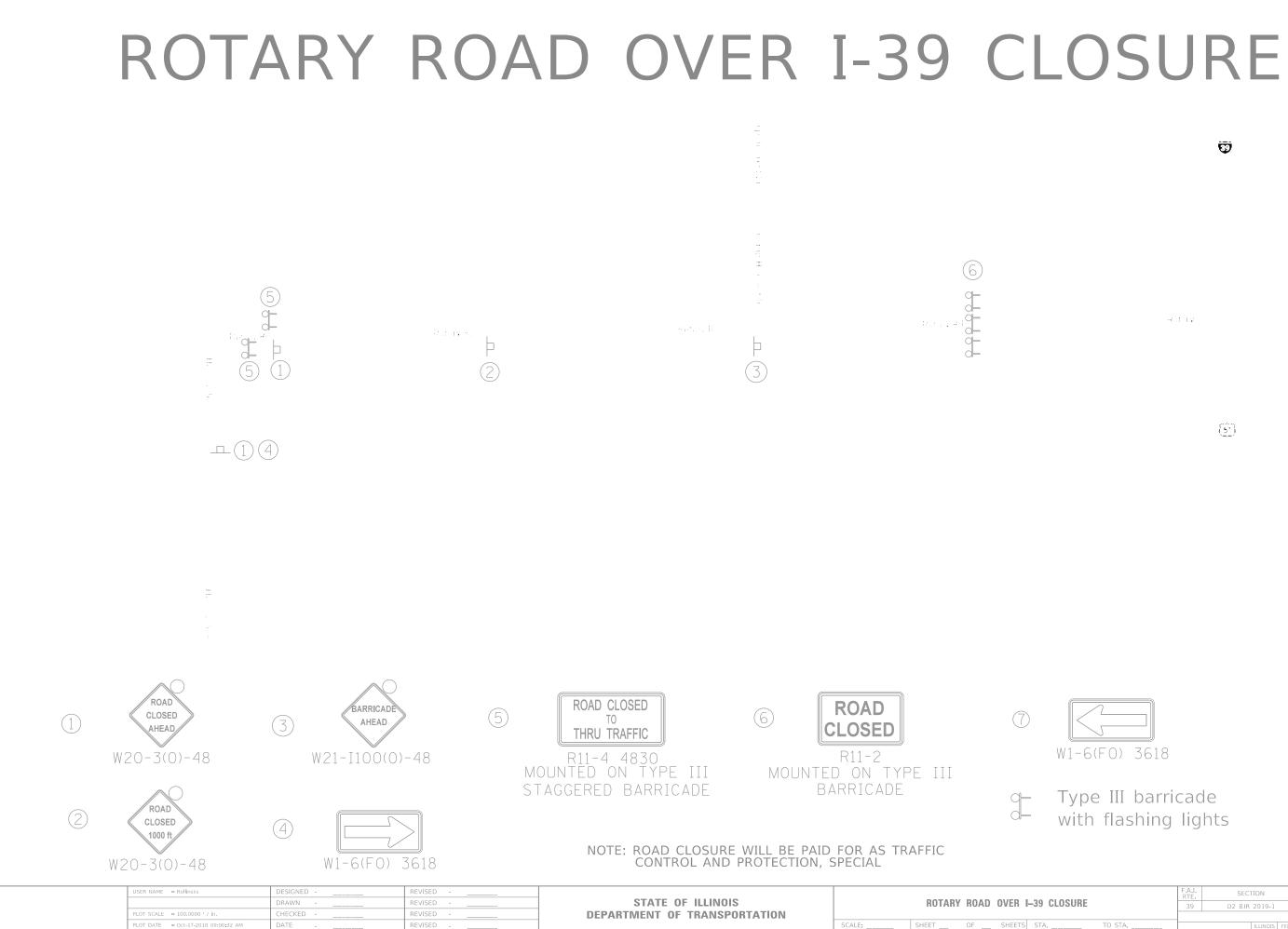


IMPACT ATTENUATOR



SER NAME = Rollinsks	DESIGNED -	REVISED -			F.A.I. SECTION	COUNTY TOTAL SHEET
	DRAWN	REVISED -	STATE OF ILLINOIS	I-39 SHOULDER CLOSURE DETAIL	39 D2 BJR 2019-1	WINNEBAGO 12 4
LOT SCALE = 100.0000 ' / in.	CHECKED	REVISED -	DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 64N30
OT DATE = Oct-17-2018 08:59:53 AM	DATE	REVISED		SCALE:   SHEET  OF  SHEETS  STA.   TO STA.	ILLINOIS FED. A	ID PROJECT

# TEMPORARY CONCRETE BARRIER WALL



# $\overline{\mathbf{v}}$

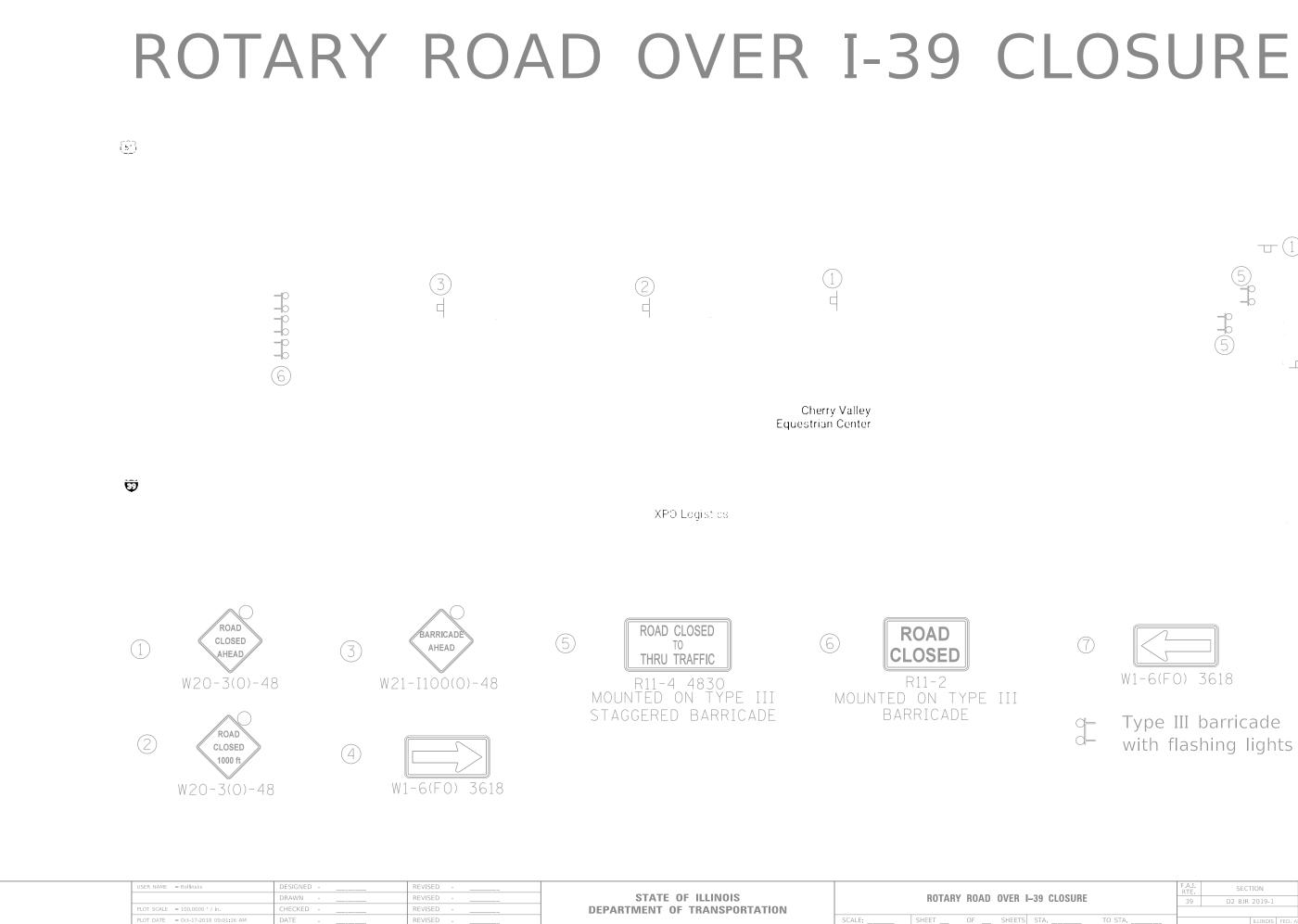
 $\mathbb{N}$ 

국 네 너무

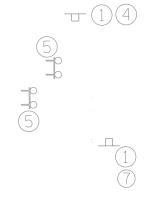
 $(\widehat{s})$ 

# Type III barricade with flashing lights

	F.A.I. RTE.	SECT	TION		COUNTY	TOTAL SHEETS	SHEET NO.
I–39 CLOSURE	39 D2 BJR 2019-1 WINI		WINNEBAGO	12	5		
					CONTRACT	NO. 64	1N30
TS STA TO STA			ILLINOIS	FED, AI	D PROJECT		



OF \_\_\_\_\_SHEET

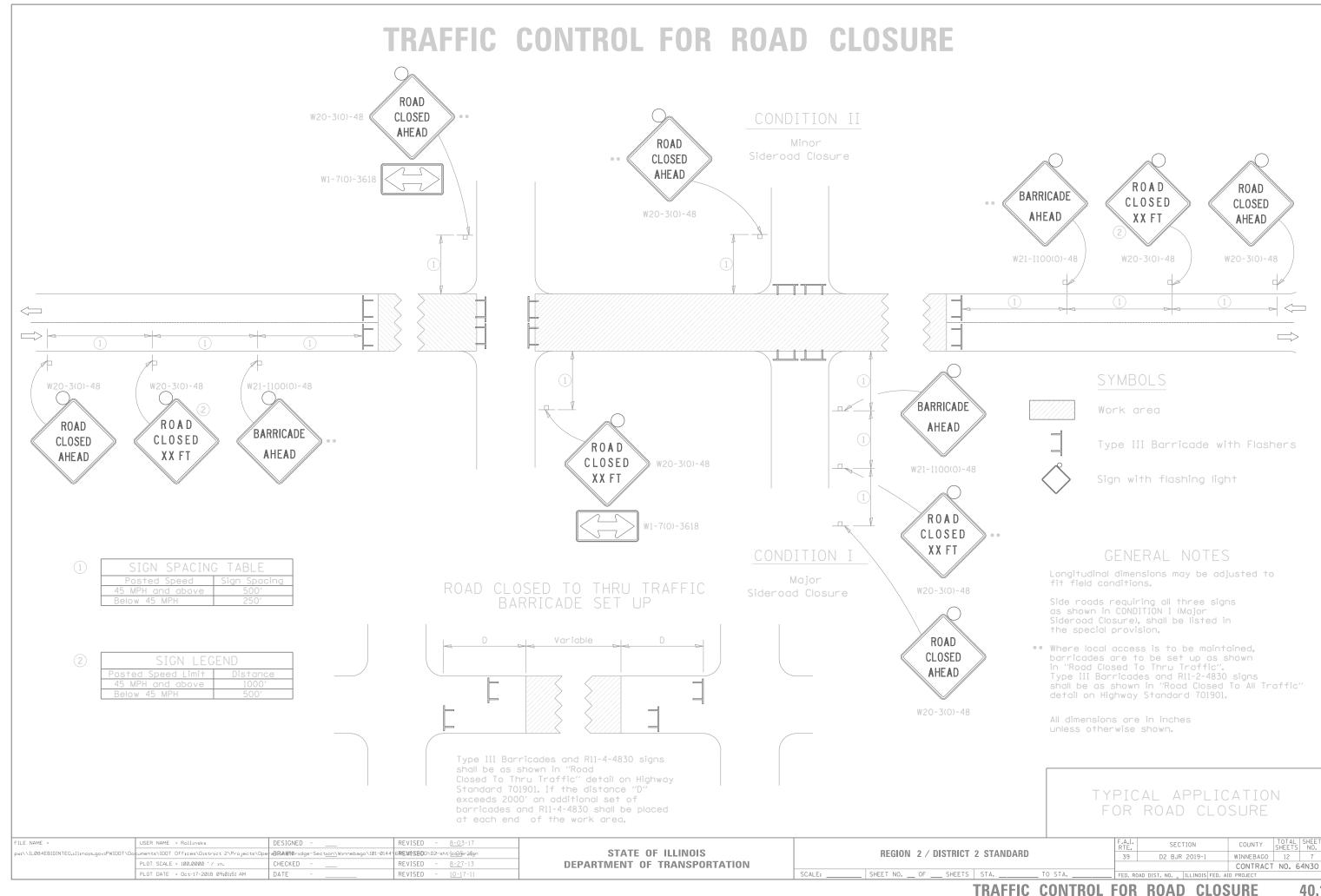


 $\mathbb{N}$ 

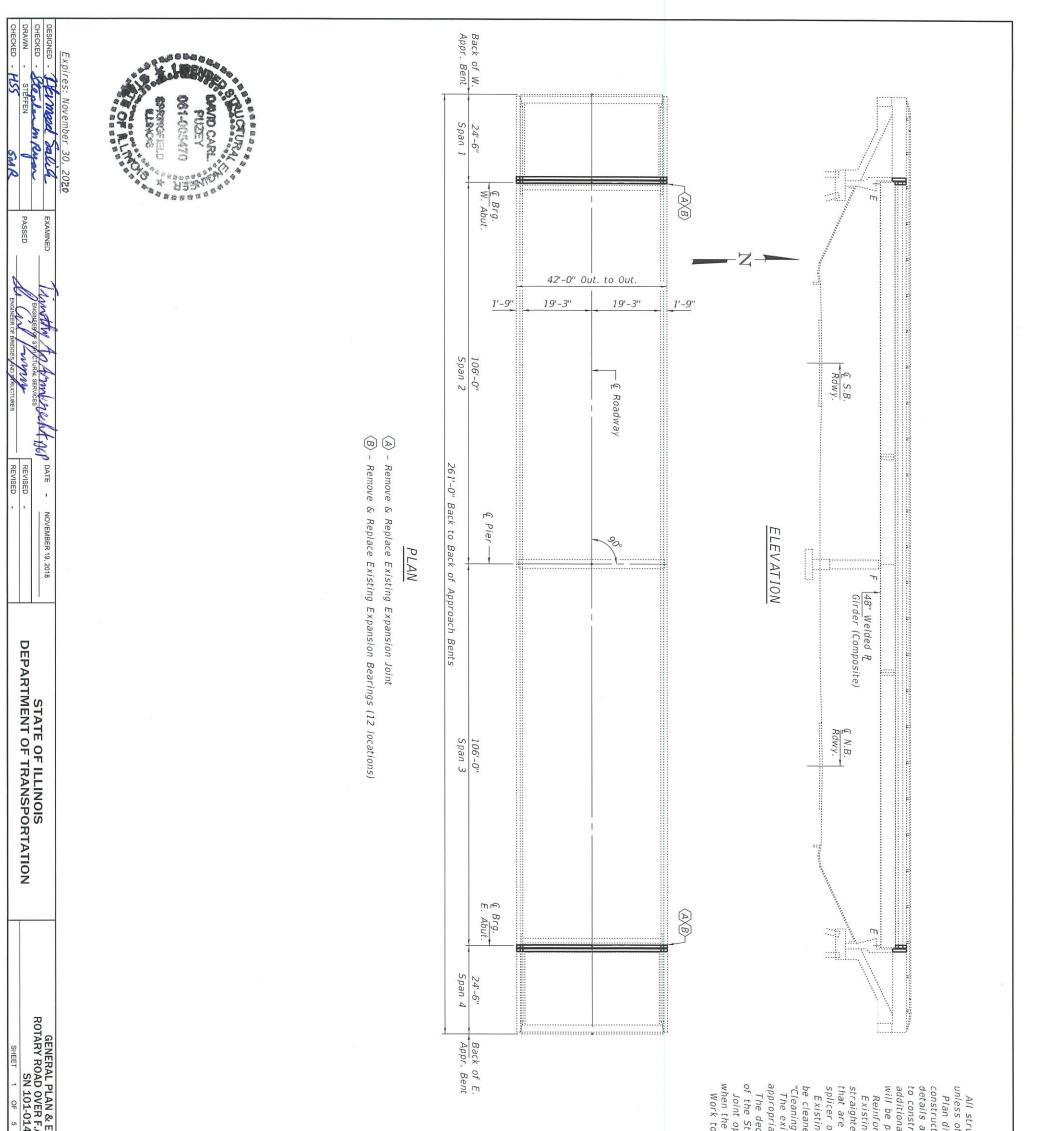


Type III barricade with flashing lights

			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	-39 CLOSURE		39	D2 BJR 2019-1	WINNEBAGO	12	6
				CONTRACT	NO. 64	1N30	
TS	STA	TO STA		ILLINOIS FED. A	ID PROJECT		



<sup>40.1</sup> 



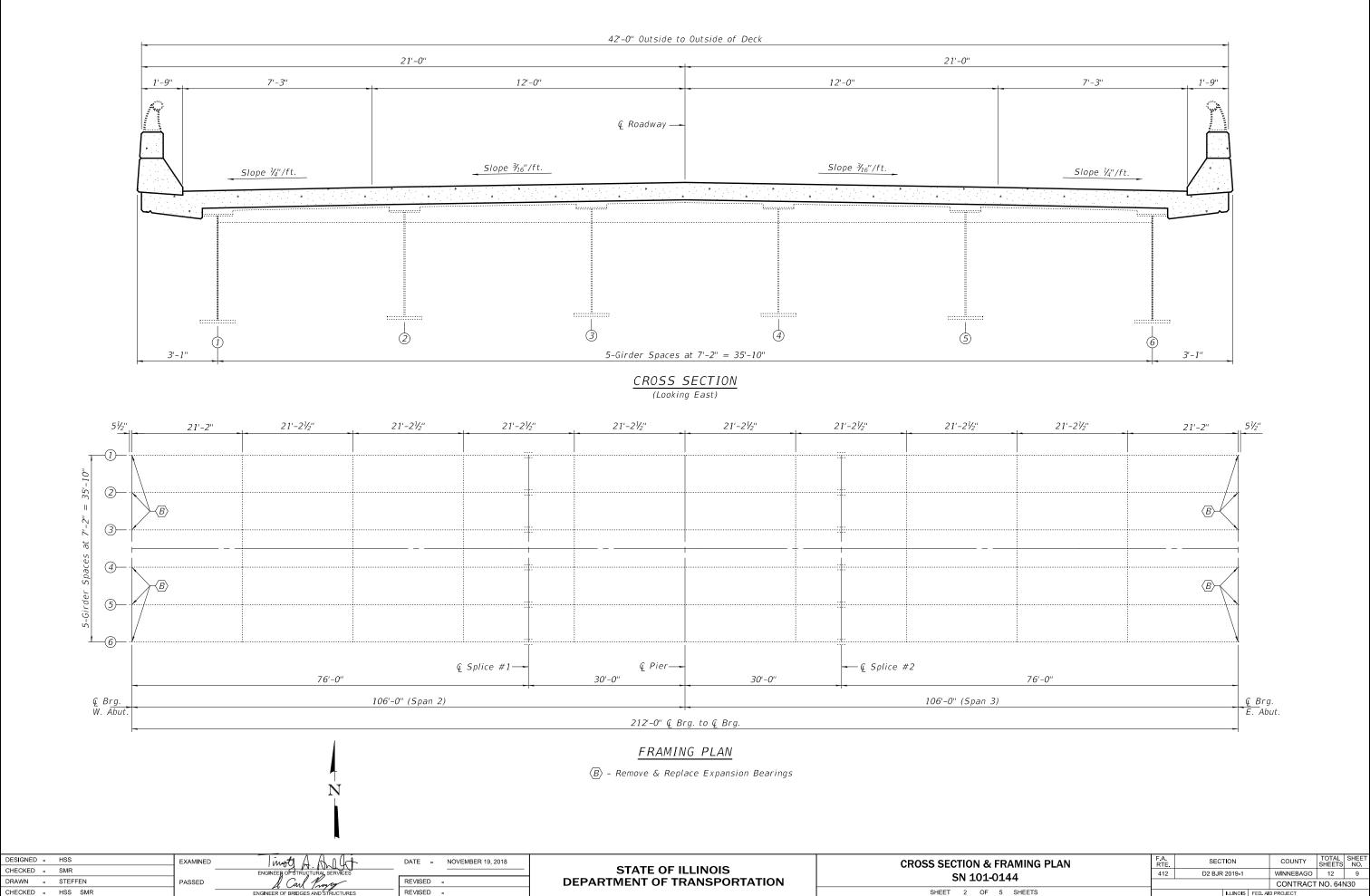
5 SHEETS	L44	r.A. RUUIE 412	ELEVATION	
		412	F.A. RTE.	
ILLINOIS		D2 BJR 2019-1	SECTION	
ILLINOIS   FED. AID PROJECT				
ROJECT	CONTRACT NO. 64N30	WINNEBAGO	COUNTY	
	NO. 641	12	SHEETS NO.	
	V30	8	SHEET NO.	

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	3.8
Concrete Superstructure	Cu. Yd.	3.8
Reinforcement Bars, Epoxy Coated	Pound	710
Preformed Joint Strip Seal	Foot	18
Jack and Remove Existing Bearings	Each	12
Elastomeric Bearing Assembly, Type I	Each	12
Furnishing & Erecting Structural Steel Pound	Pound	2310
Anchor Bolts, 1"Ø	Each	48

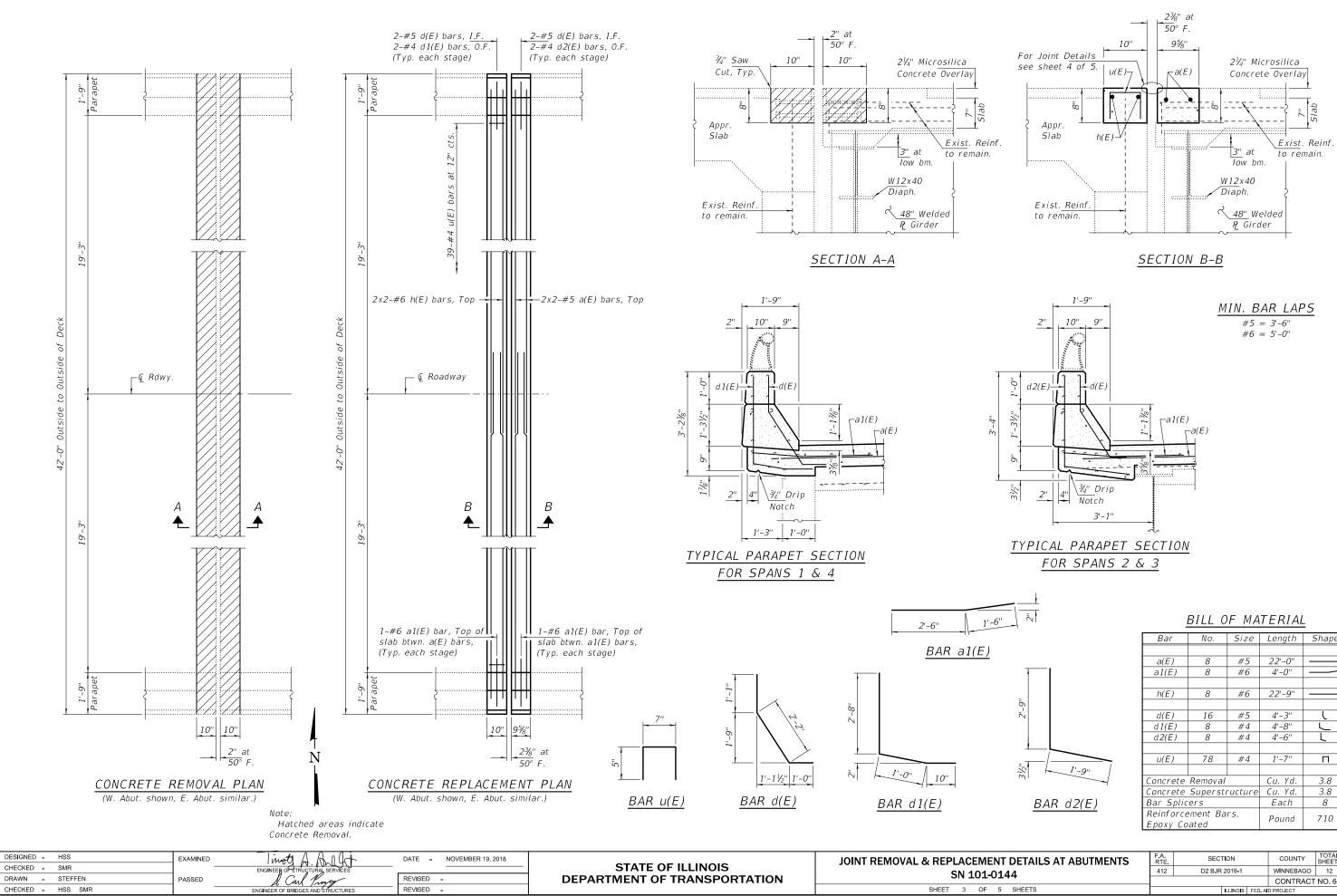
TOTAL BILL OF MATERIAL

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. Reinforcement bars designated (E) shall be epoxy coaled. Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars splicer or anchorage system. Cost included with Concrete Removal. Existing structural steel that will be in contact with new structural steel shall be cleaned and painting Contact Surface Areas of Existing Steel Structures". The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project. Joint openings shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure. Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. When the deck is poured at an ambient temperature other than 50° F.

GENERAL NOTES



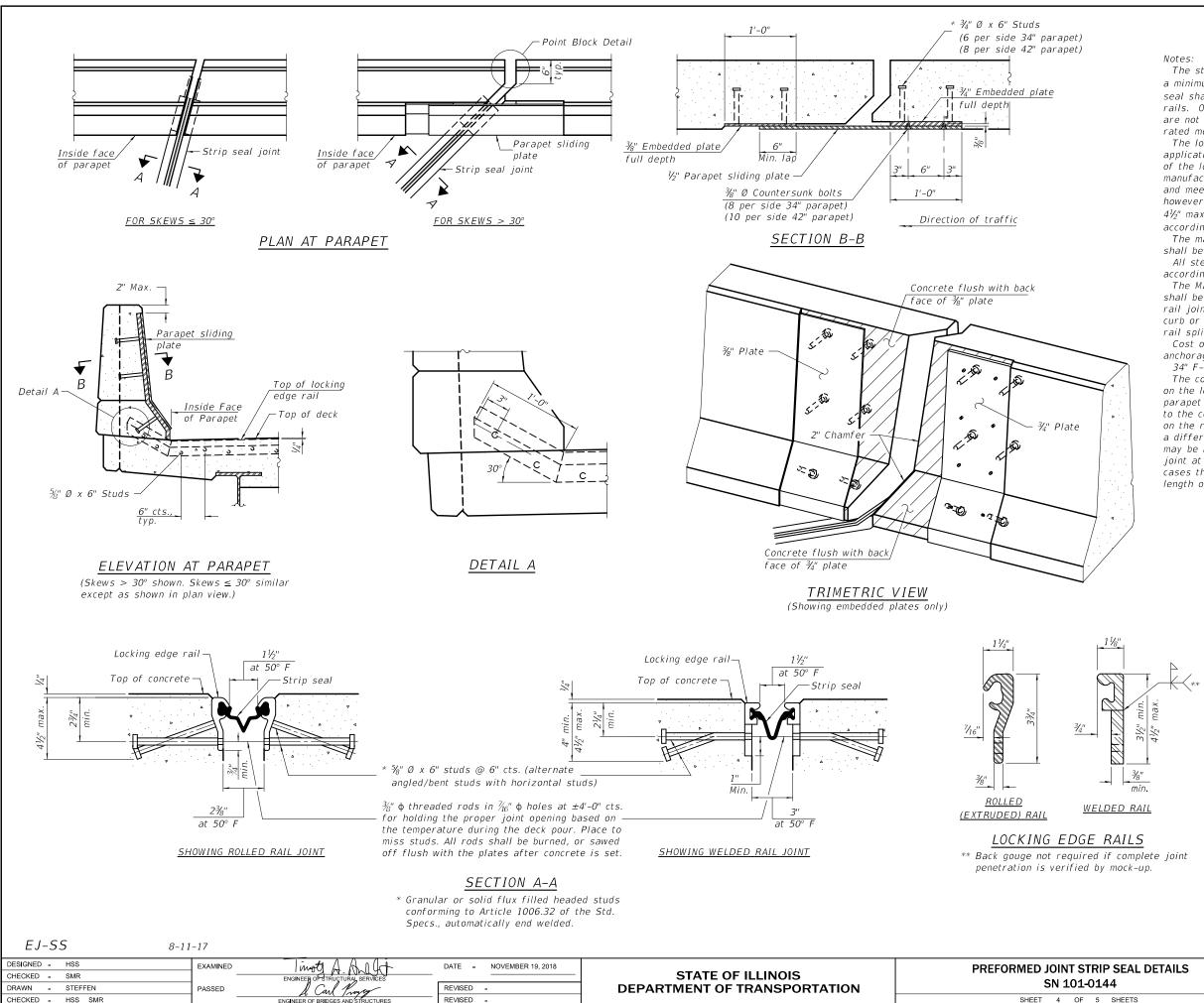
5 SHEETS



-	BILL O	F MA	TERIAL	1
Bar	No.	Size	Length	Shape
a(E)	8	#5	22'-0''	
a1(E)	8	#6	4'-0''	
h(E)	8	#6	22'-9''	
d(E)	16	#5	4'-3''	Ĺ
d1(E)	8 #4		4'-8''	<u> </u>
d2(E)	8 #4		4'-6''	Ĺ
u(E)	78 #4		1'-7''	Π
Concrete	Removal	Cu.Yd.	3.8	
Concrete Superstructure			Cu.Yd.	3.8
Bar Splic	ers		Each	8
Reinforce Epoxy Co		rs,	Pound	710

BIL	LUF	MAI	ERIAL

IT DETAILS AT ABUTMENTS	F.A. RTE	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.
144		D2 BJR	2019-1		WINNEBAGO	12	10
744					CONTRACT	NO. 641	130
5 SHEETS		ILLINOIS FED. A		FED. A	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 4<sup>1</sup>/<sub>2</sub>" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

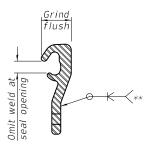
The manufacturer's recommended installation methods shall be followed.

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  $\frac{3}{6}$ " 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.



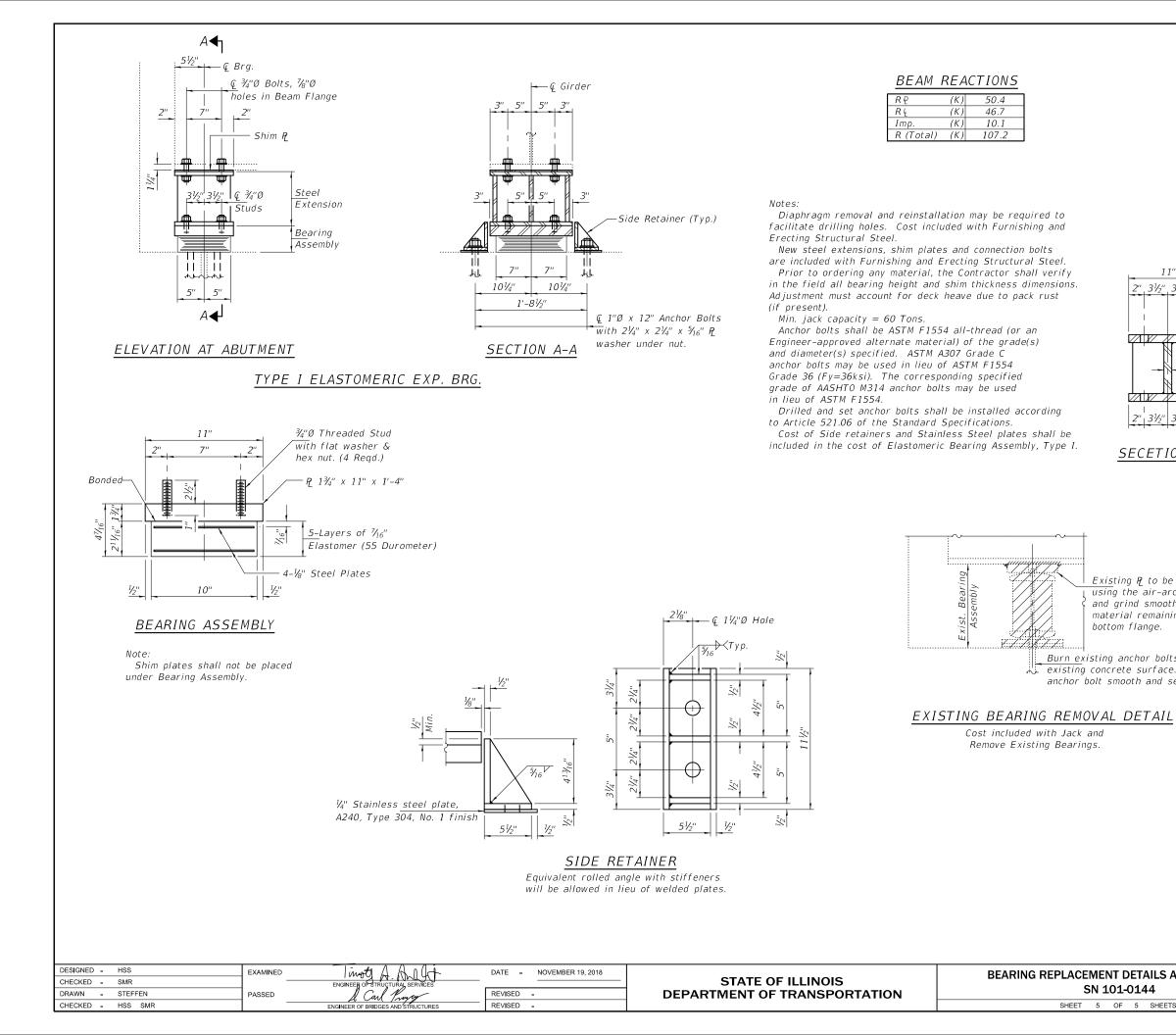
# LOCKING EDGE RAIL SPLICE

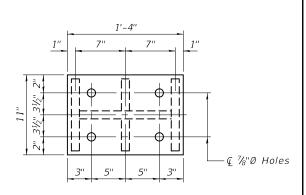
The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

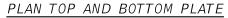
### BILL OF MATERIAL

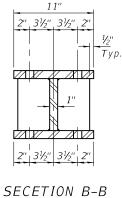
Item	Unit	Total
Preformed Joint Strip Seal	Foot	81

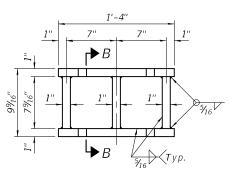
RIP SEAL DETAILS 144		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
		D2 BJR 2019-1			WINNEBAGO	12	11
			CONTRACT NO. 64N30				
5 SHEETS			ILLINOIS	FED. AID PROJECT			

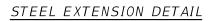












Existing P\_ to be removed using the air-arc method and grind smooth all weld material remaining on the

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

# BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	12
Jack and Remove Existing Bearings	Each	12
Furnishing and Erecting Structural Steel	Pound	2310
Anchor Bolts, 1"Ø	Each	48

ETAILS AT ABUTMENTS 144		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
		D2 BJR 2019-1			WINNEBAGO	12	12
			CONTRACT NO. 64N30				
5 SHEETS			ILLINOIS	FED. A	D PROJECT		