STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

FOR INDEX OF SHEETS, SEE SHEET NO. 3

 \circ

 \circ

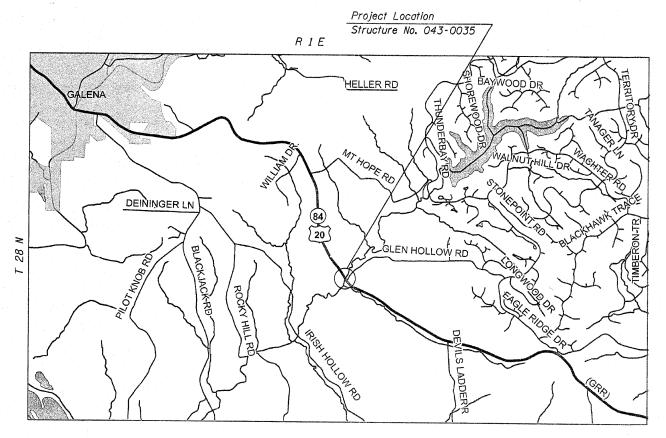
0

PROPOSED HIGHWAY PLANS

FAP ROUTE 301 (US 20) SECTION (29B-1)M-1

BRIDGE REPAIR
JO DAVIESS COUNTY

C-92-061-11



0 100' 200' 300' — 1" = 100' 0 10' 20' 30' — 1" = 10' 0 50' 100' 1" = 50' 0 50' 100' 1" = 40' 0 50' 100' — 1" = 30'

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

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

BRIDGE MAINTENANCE ENGINEER: Mahmoud Etemadi 815/284-5393 PLAN TECHNICIAN: Dan Link 815/284-5416

CONTRACT NO. 64G81

| F.A.P. | SECTION | COUNTY | TOTAL | SHEET |

D-92-032-11



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 8 20/0

February 4 20 11
Scott E. Stitt DE la

acting ENGINEER OF DESIGN AND ENVIR

DIRECTOR OF HIGHWAYS, CHIEF ENGINEE

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

SUMMARY OF QUANTITIES

			100% State	
PAY ITEM #	DESCRIPTION	UNIT	QUANTITY	
			-	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	69.5	
Z0004556	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	705,8	
50102400	CONCRETE REMOVAL	CU YD	24.8	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	24.6	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,680	
50800515	BAR SPLICERS	EACH	22	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	63	
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	705.8	
67100100	MOBILIZATION	LSUM		
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH		
70106700	TEMPORARY RUMBLE STRIPS	EACH		
70106800	CHANGEABLE MESSAGE SIGN	CAL MO		
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	28	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2,46	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	87	

				100% State
	PAY ITEM #	DESCRIPTION	UNIT	QUANTITY
-				
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	36
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	412.5
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	362,5
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3,425
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	280
	X032 <i>219</i> 4	POLYMER MODIFIED PORTLAND CEMENT MORTAR	5Q FT	180
	XZ030256	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL,	EACH	2
	XZ030260	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST	EACH	2
	X5030530	LEVEL 3 FLOOR DRAIN EXTENSION	EACH	24
	Z0012754	STRUCTURAL REPAIR OF CONCRETE(DEPTH EQUAL TO OR LESS THANS INCHES)	SQ FT	125
	Z0015802	PLUG EXISTING DECK DRAINS	EACH	42
	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EAÇH	2
	Z0030350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2
	X5080600	MECHANICAL SPLICERS	EACH	10

* specialty Hems

								Re	_V .
FILE NAME =	USER NAME = linkdj	DESIGNED	REVISED		CHESISSON OF CHARTETING	F.A.P.	SECTION	COUNTY TO	OTAL SHEET
0:\BR\CADD plans\Jo Daviess County\0430	335\PLANeng.dgn	DRAWN	REVISED	STATE OF ILLINOIS	SUMMARY OF QUANTITIES	RTE.	3LC I TOR	SH'	EETS NO.
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -		Structure No. 043-0035	301	(29B-1)M-1	Jo Daviess	16 2
	PLOT DATE = Wed Dec 08 10:57:40 2010	DATE -	PEVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE. CHEET NO OF CHEETS STA. TO STA			CONTRACT	NO. G4G81
	1 201, 07/12 - #00 D00 D0 1007146 2016	UNIC	MEA12ED -		SCALE: SHEET NO OF SHEETS STA TO STA		ILLINOIS FF	ED. AID PROJECT	

GENERAL NOTES

The final top four inches of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils.

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 seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A autter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches. This work will be included in the contract unit price per Cubic Yard for CONCRETE REMOVAL.

Fertilizer shall be applied to all disturbed areas and incorporated into the seedbed prior to seeding or placement of sod at the rate specified in Sections 250 and 252 of the Standard Specifications. This work shall be included in the cost of CONCRETE REMOVAL.

Mulch Method II shall be applied over all seeded areas. This shall be included in the cost of the CONCRETE REMOVAL.

At bridge expansion joints, if temporary expansion joint bulkheads are attached to adjacent deck slabs or abutments for support, the Contractor shall cut the attachments as soon as the concrete has set to prevent joint damage due to horizontal contraction or expansion.

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.

One section of temporary concrete barrier wall either side of the expansion joints replacement shall be pinned to the pavement/bridge deck. Cost included in Temporary Concrete Barrier,

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface	Sand Layer
PG:	PG 64-22	PG 64-22
Design Air Voids	4.0 @ N70	4.0 @ N50
Mixture Composition		
(Gradation Mixture)	IL 9.5 or 12.5	IL 4.75
Friction Aggregate	D	N/A
20 Year ESAL	0.0	
Mix Unit Weight	112 lbs/sy/in	

DESIGNED - ___ JSER NAME = linkdj REVISED - ____ DRAWN - ____ NBR\CADD plans\Jo Daviess County\0430035\PLANeng.dgn REVISED ---- ------PLOT SCALE = 50 0000 '/ IN CHECKED -REVISED -PLOT DATE = Wed Dec 08 10:44-14 2010 DATE REVISED

INDEX OF SHEETS

1. Cover sheet

2. Summary of Quantities

3. General Notes, Index of Sheets, Standards

4. Informational Warning Sign, Stop Line Sign

5. Traffic Control Plan Stage I

6. Traffic Control Plan Stage II

7. Staging Cross Sections

Bridge Plans

8. General Plan & Elevation

9. Cross Sections

10. Concrete Removal at Abutments

11. Concrete Replacement at Abutments

12. Preformed Joint Strip Seal

13. Wearing Surface Replacement & Drain Details

14. P.P.C. I-Beam Repairs at Abutments

15. P.P.C. I-Beam Fascia Repairs

16. P.P.C. I-Beam Fascia Repairs

17. Bar Splicer and Mechanical Splicer Details

STANDARDS

701006-03 Off-Road Operations, 2L, 2W, 15' (4.5 m) to 24" (600 mm) From Pavement Edge

701011-02 Off-Road Moving Operations, 2L, 2W, Day Only

701201-04 Lane Closure, 2L, 2W, Day Only, for Speeds > 45 MPH

701301-04 Lane Closure, 2L, 2W, Short Time Operations

701311-03 Lane Closure, 2L, 2W, Moving Operations - Day Only

701321-11 Lane Closure, 2L, 2W, Bridge Repair with Barrier

701901-01 Traffic Control Devices

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

704001-06 Temporary Concrete Barrier

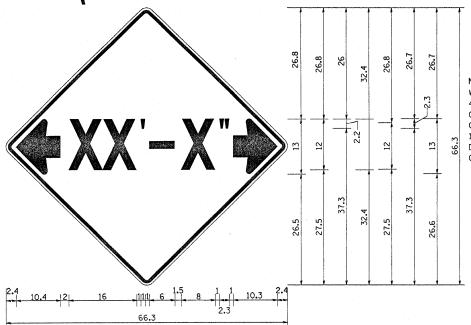
720011-01 Metal Posts for Signs, Markers and Delineators

728001-01 Telescoping Steel Sign Support

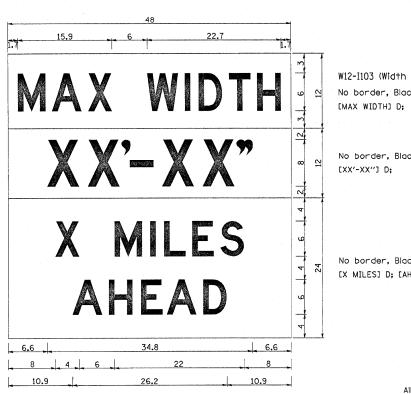
729001-01 Applications of Types A and B Metal Posts (For Signs & Markers)

GENERAL NOTES, INDEX (29B-1)M-1 Jo Daviess OF SHEETS, STANDARDS CONTRACT NO. 64G81 SHEET NO. __ OF __ SHEETS STA. ____

INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



W12-2 - Horizontal Clearance Sign 48.0" across sides, 1.9" Radius. 0.8" Border, 0.5" Indent, Black on Orange; Standard Arrow Custom 10.4" X 8.1" 180° Black 11 Inch D Series Lettering; Standard Arrow Custom 10.4" X 8.1" 0°



W12-I103 (Width is 8D); No border, Black on White:

No border, Black on Orange:

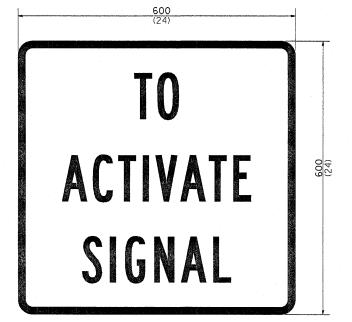
No border, Black on White: [X MILES] D; [AHEAD] D;

> All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards

ALL DIMENSIONS ARE IN INCHES UNLESS

REVISED - 5-15-09

STOP LINE SIGN FOR TEMPORARY SIGNALS



SIZE: $600(24) \times 600(24)$

100(4) CAPITAL LETTERS - BLACK

13(1/2) BORDER - BLACK

WHITE REFLECTIVE - TYPE AP HIGH INTENSITY PRISMATIC SHEETING

GENERAL NOTE:

THIS SIGN SHALL BE INSTALLED AT THE STOP LINE AS DIRECTED BY ENGINEER.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

STOP LINE SIGN FOR TEMPORARY SIGNALS

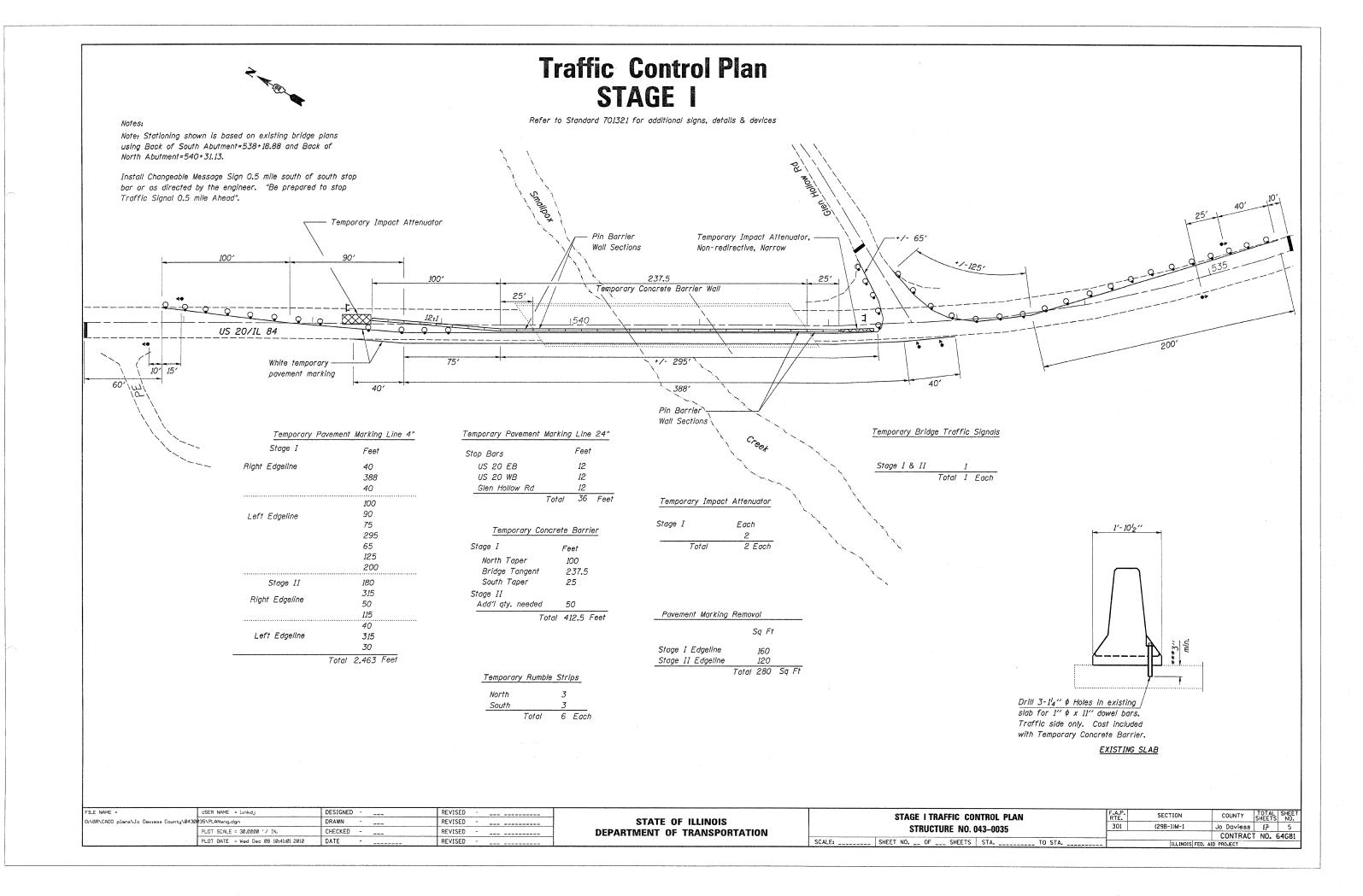
99.4

and shall not be paid for separately.

OTHERWISE NOTED.

REVISED		F	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET
REVISED	REGION 2 / DISTRICT 2 STANDARD	301	(29B-1)M-1	Jo Daviess	17	4	
REVISED					CONTRACT	NO. 6	34G81
REVISED	SCALE: 50.0000 '/_IN SHEET NO OF SHEETS STA TO	STA, F	FED. ROAD DIST. NO ILLINOIS FED. AID PROJECT				

REVISED - 1-22-07



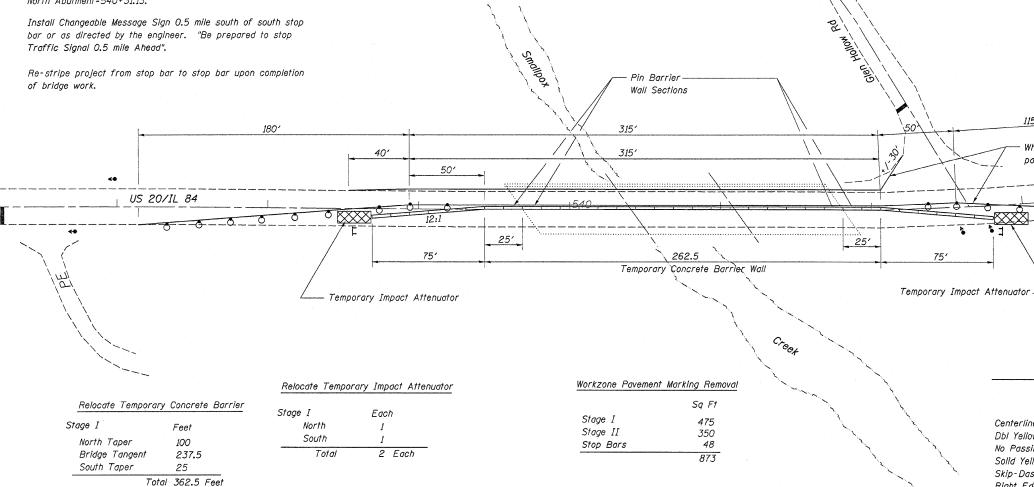


Refer to Standard 701321 for additional signs, details & devices

- Te

Nota.

Note: Stationing shown is based on existing bridge plans using Back of South Abutment=538+18.88 and Back of North Abutment=540+31.13.



Paint Pavement Marking - Line 4"

White temporary pavement marking

Foot

3,425 Foot

Centerline

Dbl Yellow (south stop bar to south abut.)

No Passing Zone Southbound (north stop bar to south abut.)

Solid Yellow

Skip-Dash

Right Edgeline

Left Edgeline

Dbl Yellow (south stop bar to south abut.)

385 x 2 = 770

565

190

950

Short Term Pavement Marking

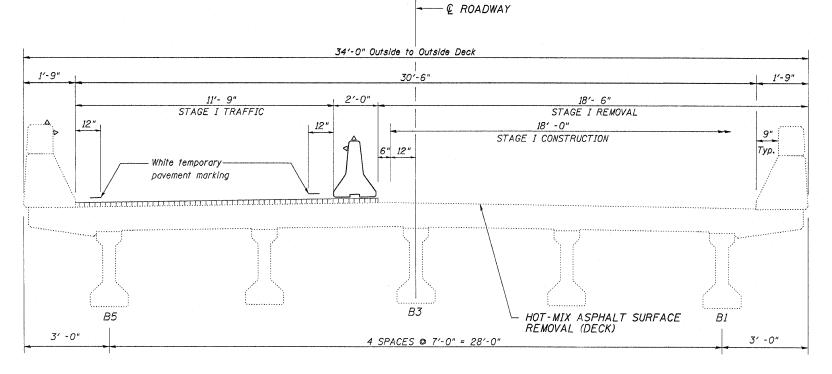
Bridge Deck (No Passing Zone Southbound)
Feet

į	FILE NAME =	USER NAME = lankdj	DESIGNED	-	 REVISED -	
1	0:\BR\CADD plans\Jo Daviess County\0430	35\PLANeng.dgn	DRAWN	-	 REVISED -	
1		PLOT SCALE = 30.0000 '/ IN.	CHECKED	-	 REVISED -	
		PLDT DATE = Wed Dec 08 10:40:54 2010	DATE	-	 REVISED -	

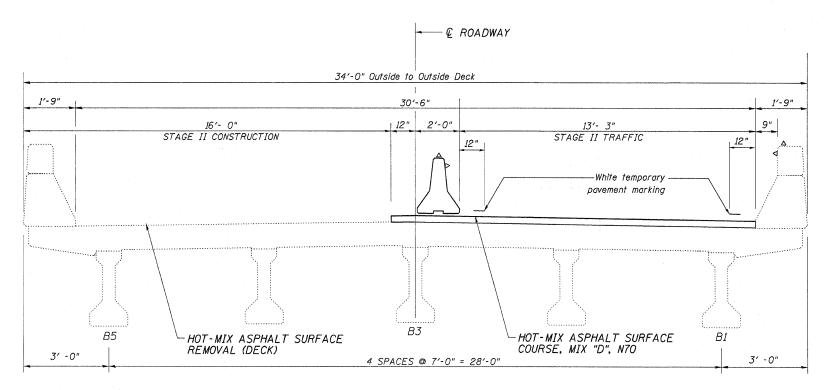
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: ____

· · · · · · · · · · · · · · · · · · ·					
	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 043-0035	301	(29B-1)M-1	Jo Daviess	17	6
			CONTRACT	NO. 6	54G81
SHEET NO OF SHEETS STA TO STA	ILLINOIS FED. AID PROJECT				

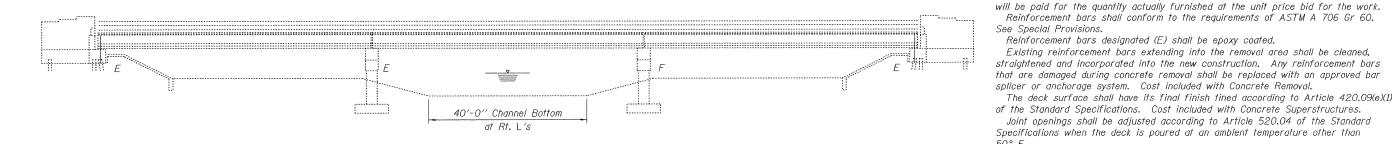


<u>STAGE I</u> LOOKING NORTH

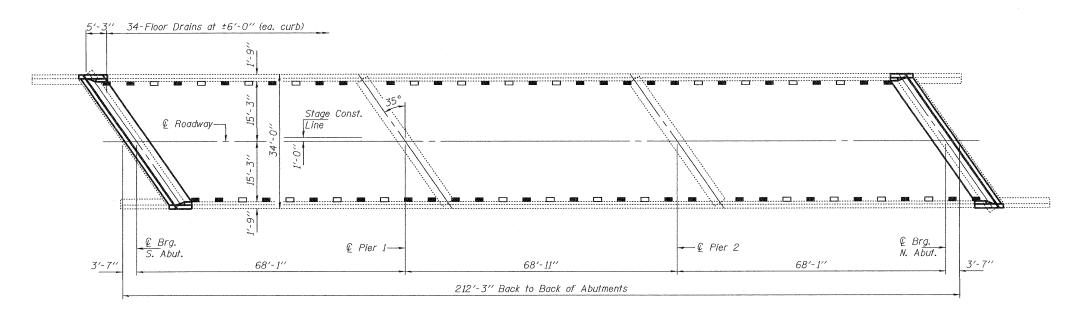


<u>STAGE II</u> LOOKING NORTH

FILE NAME =	USER NAME = linkdj	DESIGNED	REVISED -		Staning Cross Sociens	F.A.P. SECTION	COUNTY TOTAL SH
0:\BR\CADD plans\Jo Daviess County\0430	35\PLANeng.dgn	DRAWN	REVISED -	STATE OF ILLINOIS	Staging Cross Sections	301 (20D-1)M-1	In Daviess 17
	PLOT SCALE = 30.00000 '/ IN.	CHECKED	REVISED -	DEPARTMENT OF TRANSPORTATION	Structure No. 043–0035	301 (29B-1)M-1	CONTRACT NO. 64G
	PLOT DATE = Wed Dec 08 10:40:49 2010	DATE -	REVISED -		SCALE: SHEET NO OF SHEETS STA TO STA	ILL INOIS FED.	AID PROJECT



ELEVATION



PLAN

LEGEND

- Existing Drain to be Extended (See Detail sheet 6 of 10)
- Existing Drain to be Eliminated (See Detail sheet 6 of 10)

SCOPE OF WORK

- 1. Existing HMA Overlay & Water-Proofing Membrane System to be Removed & Replaced.
- 2. Eliminate Designated 4" x 12" Rectangular Drains (See Legend)
- 3. Extend Designated 4" x 12" Rectangular Drains (See Legend)
- 4. Repair PPC I-Beams
- 5. Replace Existing Neoprene Joints at Abutments with Preformed Joint Strip Seal

TOTAL BILL OF MATERIAL

GENERAL NOTES

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

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

The Contractor shall use extreme care during concrete removal so as not to

unless otherwise noted.

damage the PPC I-Beam.

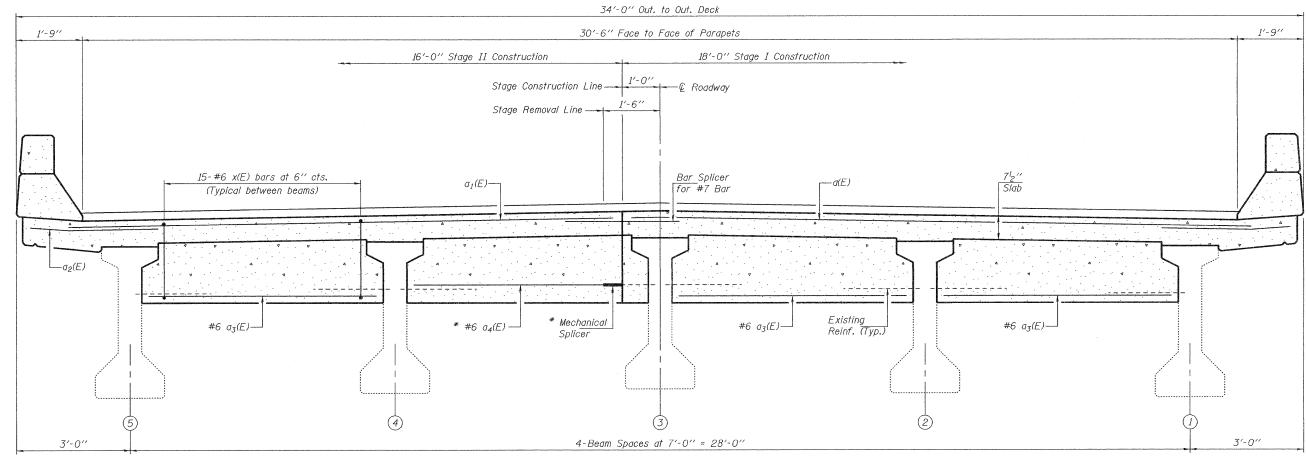
ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	24.8
Concrete Superstructure	Cu. Yd.	24.6
Reinforcement Bars, Epoxy Coated	Pound	3680
Bar Splicer	Each	22
HMA Surface Removal (Deck)	Sq. Yd.	705.8
HMA Surface Course Mix "D" N70	Tons	69.5
Preformed Joint Strip Seal	Foot	83
Plug Existing Deck Drain	Each	42
Floor Drain Extension	Each	24
Polymer Modified Portland Cement Mortar	Sq. Ft.	180
Structural Repair of Concrete ≤ 5 inches	Sq. Ft.	3.4
Water-Proofing Membrane System	Sq. Yd.	705.8
Mechanical Splicer	Each	10

U.S. ROUTE 20 / IL ROUTE 84

OVER SMALLPOX CREEK

Expires: November 30, 2012 DESIGNED TO CHECKED WAY TO CHECKED WAY TO CHECKED WAY TO CHECKED WAY TO CHECKED TO CHECK F.A.P. RTE. 301 COUNTY TOTAL SHEET NO.

JODAVIESS 17 8 EXAMINED JANUARY 13, 2011 SECTION **GENERAL PLAN & ELEVATION** STATE OF ILLINOIS (29B-1)M-1 SN 043-0035 **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 64G81 PASSED SHEET NO. 1 OF 10 SHEETS CHECKED GUE: OUY



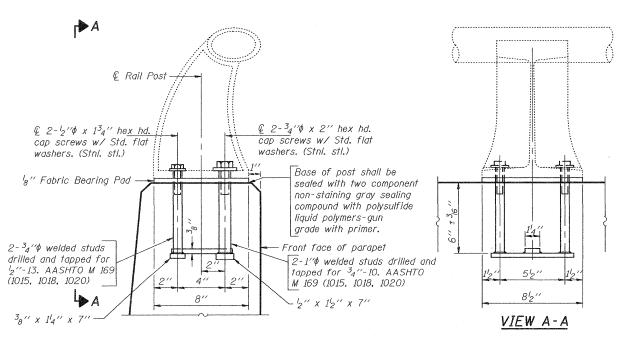
CROSS-SECTION AND STAGE CONSTRUCTION DETAILS

(Looing North)

* Attach to existing reinforcement with mechanical splicers. Existing reinforcement to extend 6" into the removal area to allow attachment of the mechanical splicers.

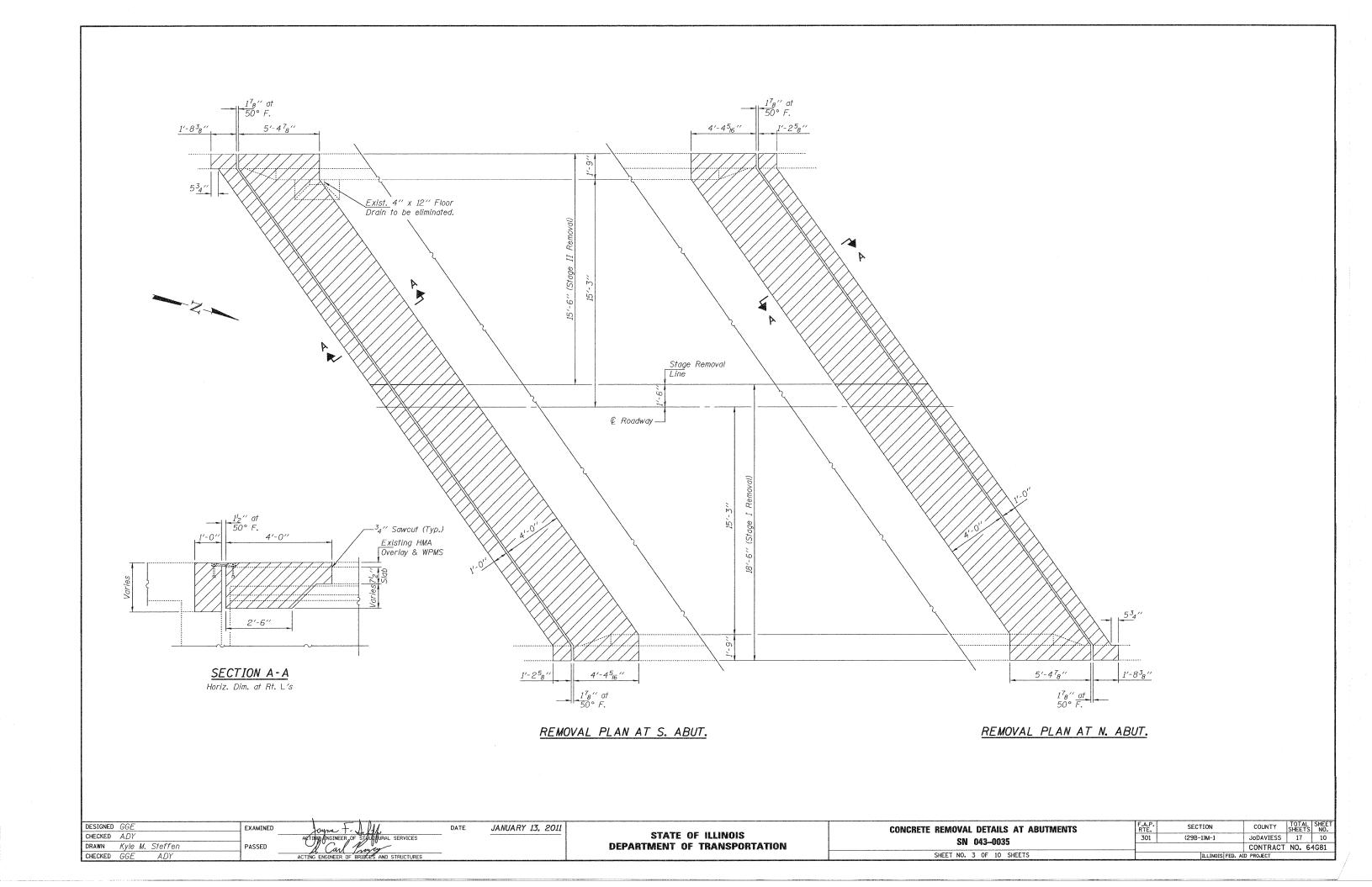
Note:

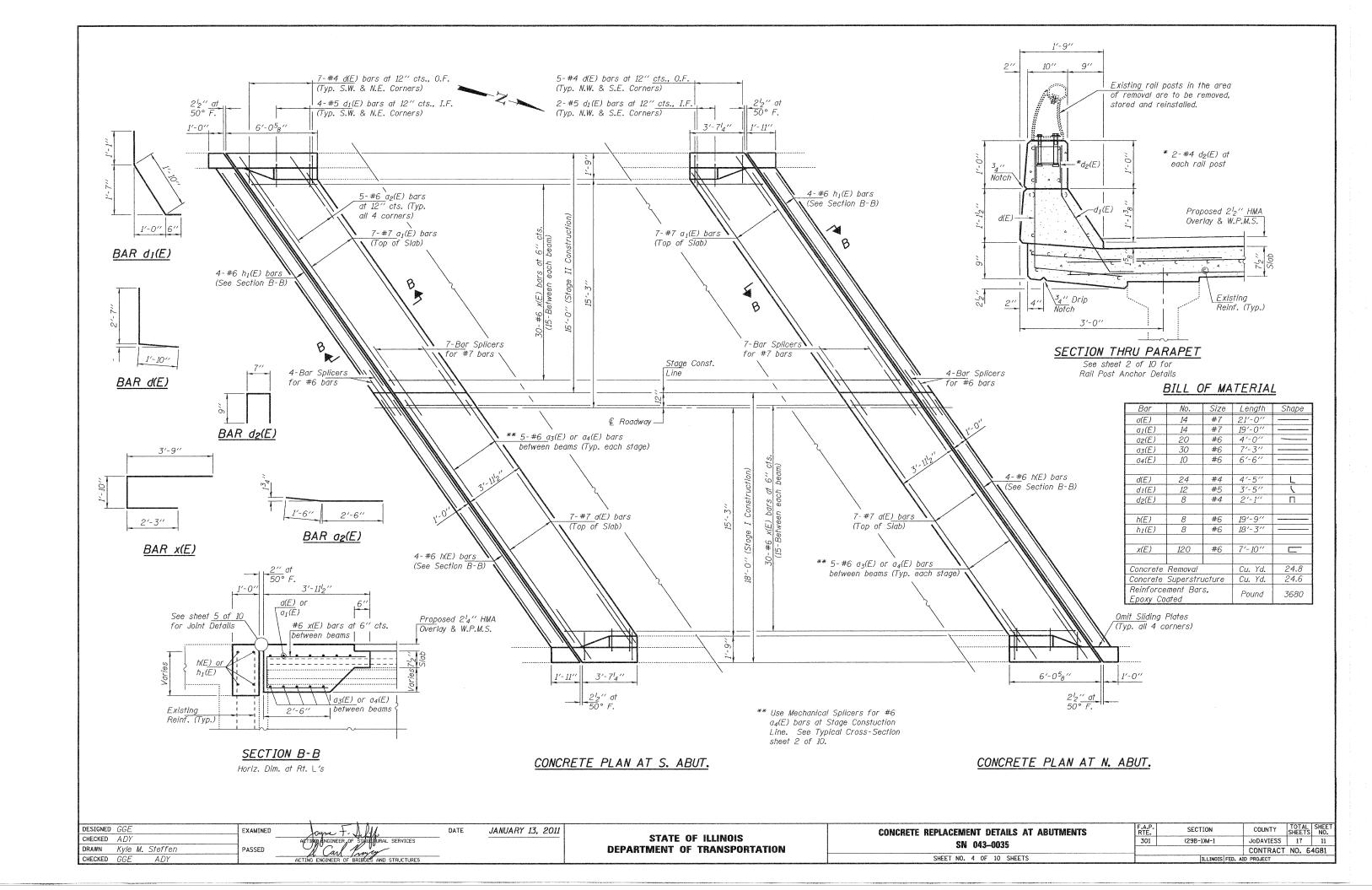
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting stainless steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

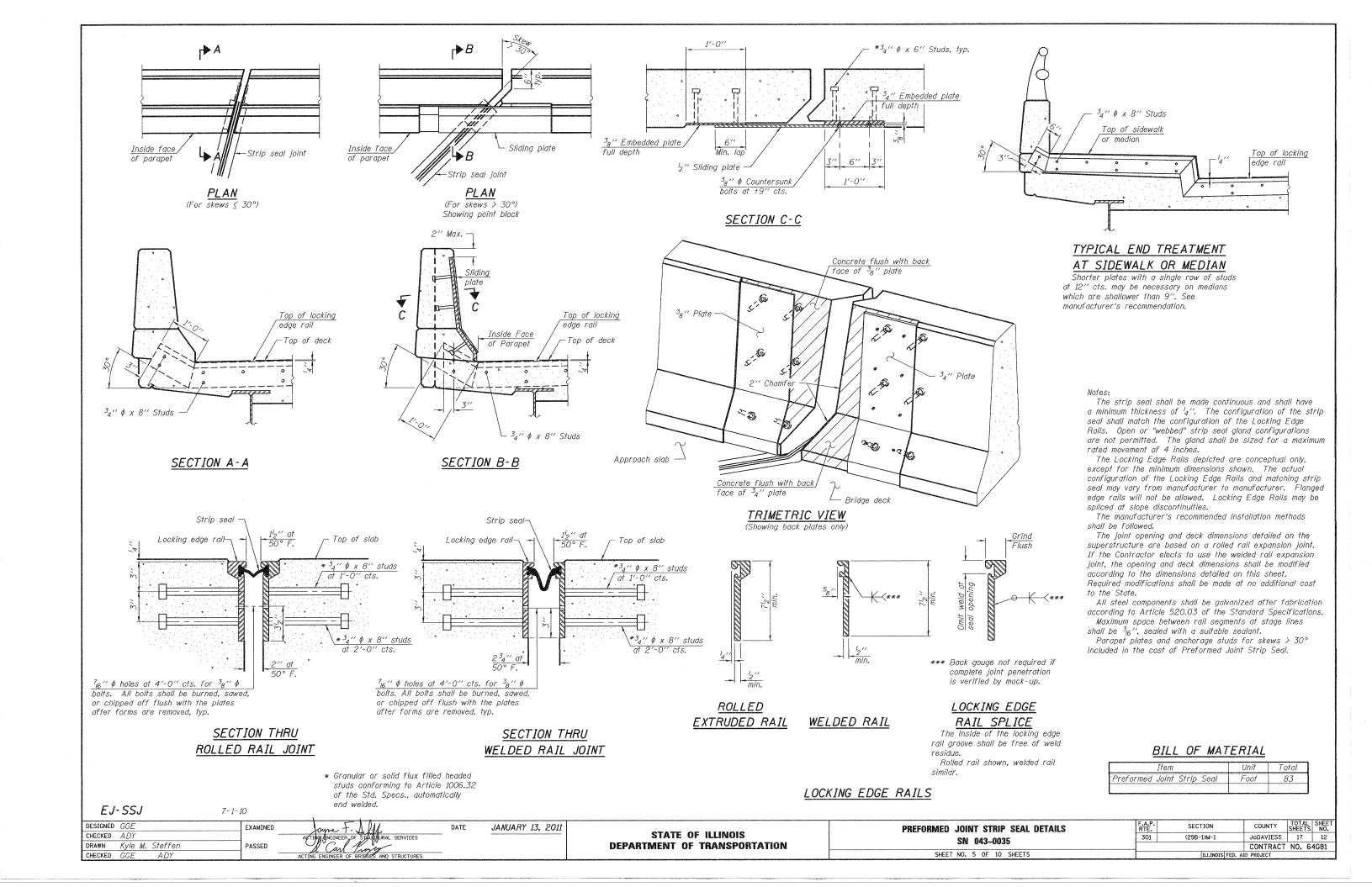


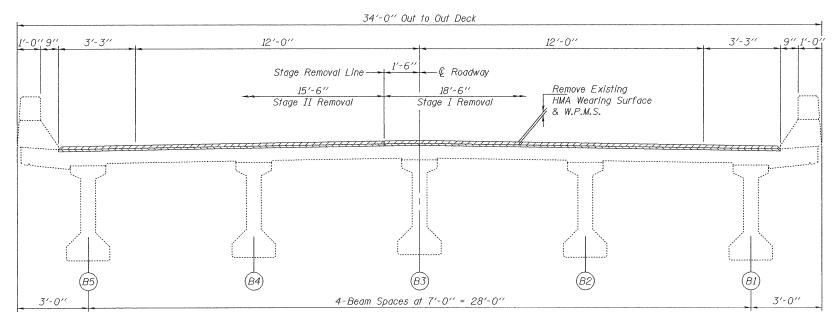
RAIL POST ANCHOR DETAIL

DESIGNED GGE CHECKED ADY EXAMINED ONE SYSTEM URAL SERVICES DATE JANUARY 13.	STATE OF ILLINOIS	CROSS-SECTION & STAGE CONSTRUCTION DETAILS SN 043-0035	F.A.P. SECTION COUR 301 (29B-1)M-1 JODAN	NTY TOTAL SHEET NO. VIESS 17 9
DRAWN Kyle M. Steffen CHECKED GGE ADY PASSED ACTING ENGINEER OF BRIDGES AND STRUCTURES	DEPARTMENT OF TRANSPORTATION	SHEET NO. 2 OF 10 SHEETS	ILLINOIS FED. AID PROJECT	RACT NO. 64G81



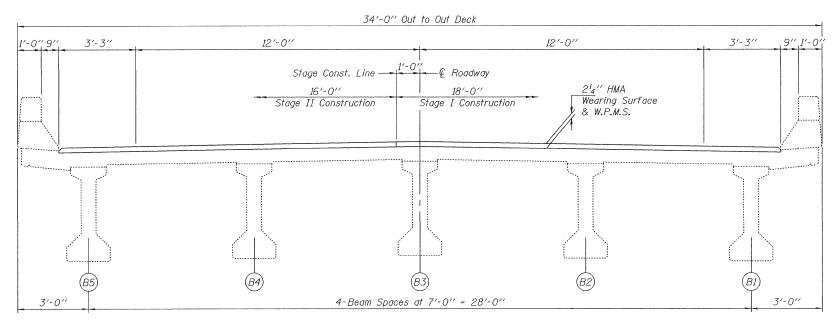






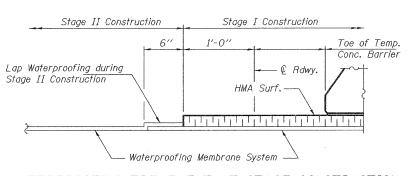
CROSS-SECTION SHOWING H.M.A. REMOVAL

(Looking North)



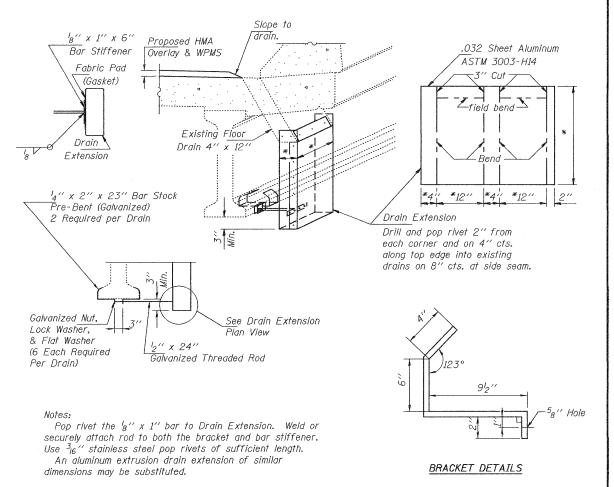
CROSS-SECTION SHOWING NEW WEARING SURFACE

(Looking North)



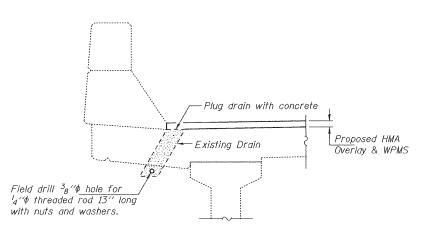
WATERPROOFING TREATMENT AT STAGE CONSTRUCTION

DESIGNED GGE CHECKED ADY DRAWN Kyle M. Steffen PASSED DATE JANUARY 13, 2011 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



DRAIN EXTENSION DETAILS

* Field measure cut to fit existing drain.

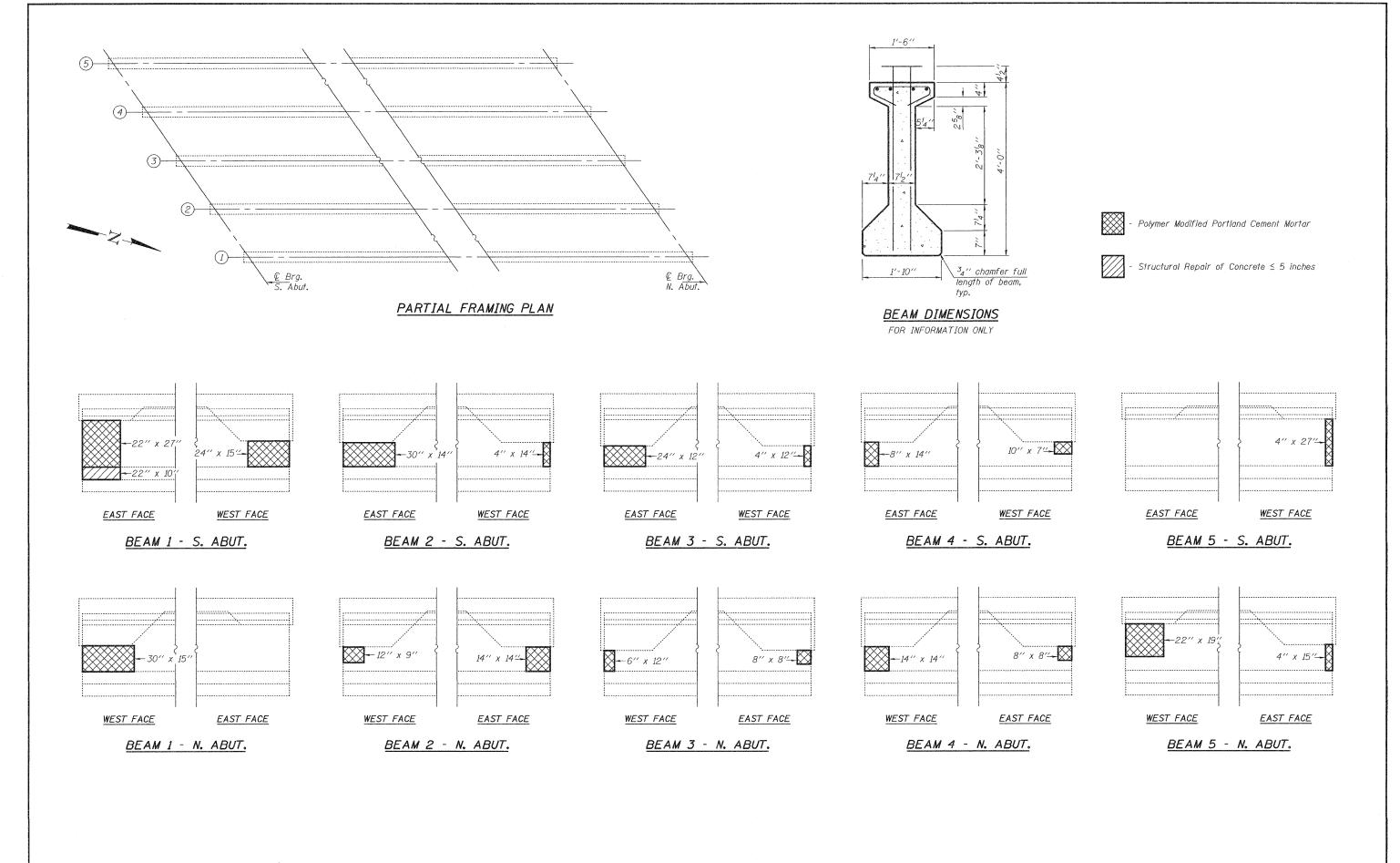


DRAIN ELIMINATION DETAIL

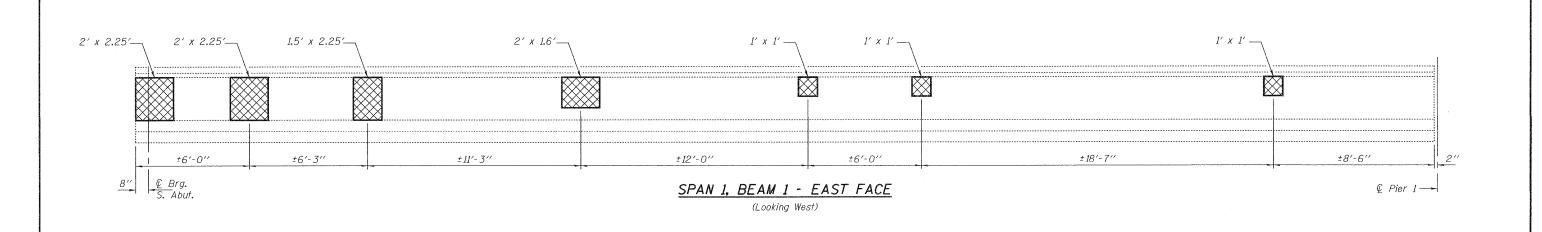
AND 0430035	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	301	(29B-1)M-1		JoDAVIESS	17	13
				CONTRACT	NO. 6	4G81
	ILLINOIS FED. AID PROJECT					

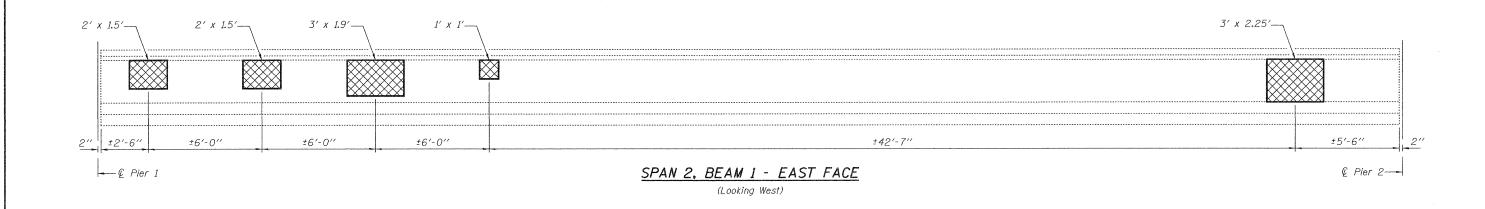
WEARING SURFACE REMOVAL & REPLACEMENT AND DRAIN EXTENSION & ELIMINATION DETAILS SN 043-0035

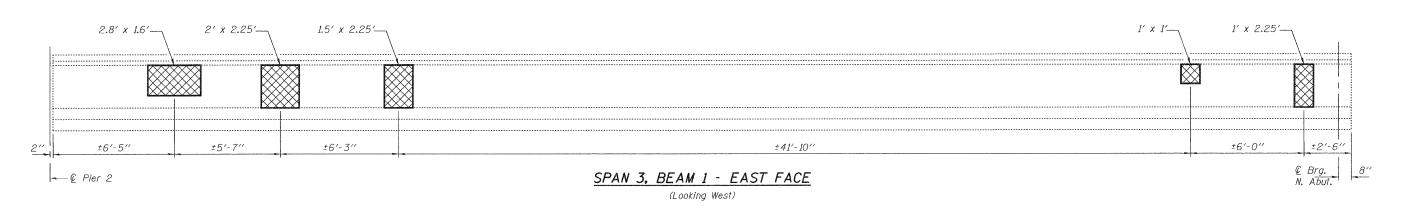
SHEET NO. 6 OF 10 SHEETS



DESIGNED GGE	EXAMINED	Jame F. All	DATE	JANUARY 13, 2011		P.P.C. I-BEAM END REPAIRS	F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
CHECKED ADY DRAWN Kyle M. Steffen	PASSED	ACTING ANGINEER OF STRUMBURAL SERVICES			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 043-0035	301	(29B-1)M-1	JoDAVIESS CONTRACT	17 F NO. 6	14 4G81
CHECKED GGE ADY	-	ACTING ENGINEER OF BRIDGES AND STRUCTURES	_			SHEET NO. 7 OF 10 SHEETS		ILLINOIS FED. A	D PROJECT		1001

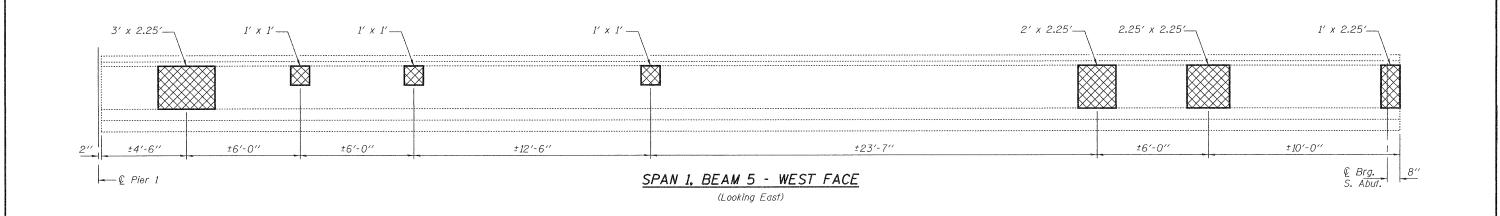


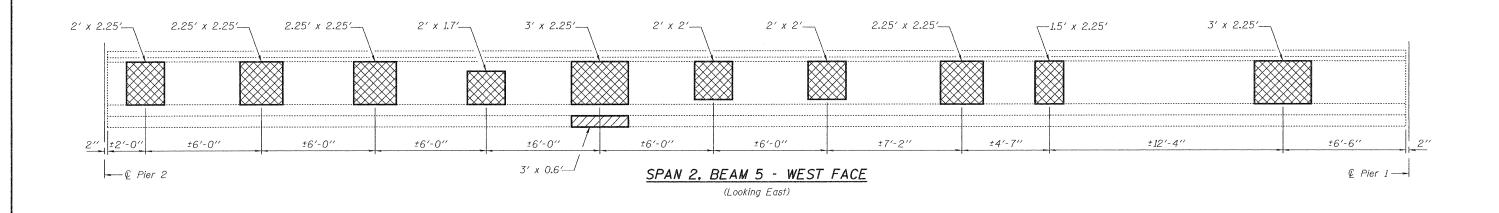


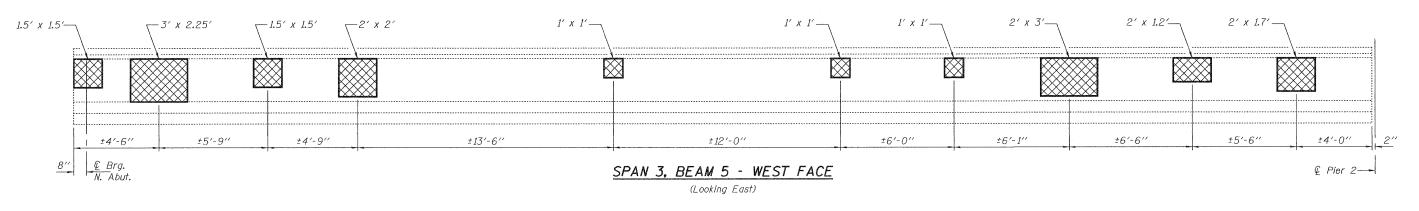


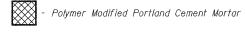


DESIGNED GGE CHECKED ADY	EXAMINED	Joyne F. J. J. SERVICES	DATE	JANUARY 13, 2011	STATE OF ILLINOIS	P.P.C. I-BEAM FASCIA REPAIRS	F.A.P. RTE.	SECTION	COUNTY TOTAL SHEET NO. JODAVIESS 17 15
DRAWN Kyle M. Steffen	PASSED	ACTING AND FRANCES			DEPARTMENT OF TRANSPORTATION	SN 043-0035	301	(230-1)W-1	CONTRACT NO. 64G81
CHECKED GGE ADY		ACTING ENGINEER OF BRIDGES AND STRUCTURES	_			SHEET NO. 8 OF 10 SHEETS		ILLINOIS FED.	AID PROJECT



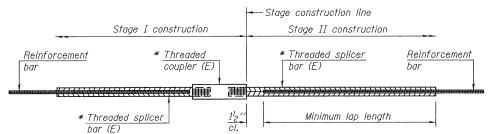






- Structural Repair of Concrete ≤ 5 inches

DESIGNED GGE	DATE OF STRUMBURAL SERVICES DATE	JANUARY 13, 2011	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	P.P.C. I–BEAM FASCIA REPAIRS SN 043–0035	F.A.P. SECTION 301 (29B-1)M-1	COUNTY TOTAL SHEET NO. JODAVIESS 17 16 CONTRACT NO. 64G81
CHECKED GGE ADY ACT	TING ENGINEER OF BRIDGES AND STRUCTURES			SHEET NO. 9 OF 10 SHEETS	ILLINOIS FE	ED. AID PROJECT



STANDARD BAR SPLICER ASSEMBLY

		Minimum Lap	Lengths		
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5''	1'-11''	2'-1''	2'-4''	2'-3"
5	1'-9''	2'-5"	2'-7"	2'-11''	2'-10''
6	2'-1''	2'-11''	3'-1''	3′-6′′	3'-4''
7	2'-9''	3'-10''	4'-2''	4'-8''	4'-6''
8	3'-8''	5'-1''	5′-5″	6'-2"	5′-10′′
9	4'-7''	6′-5″	6'-10''	7'-9"	7′-5′′

Table 1: Black bar, 0.8 Class C

Table 2: Black bar, Top bar lap, 0.8 Class C

Table 3: Epoxy bar, 0.8 Class C

Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Table 5: Epoxy bar, Top bar lap, Class B

Bridge Deck

<u>Threaded</u>

couplers (E)

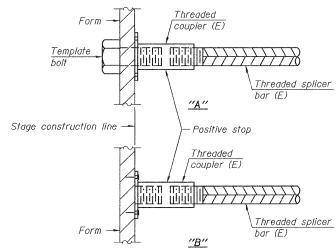
Reinforcement

Bars

Threaded splicer bar length = min. lap length + I_2^{l} " + thread length

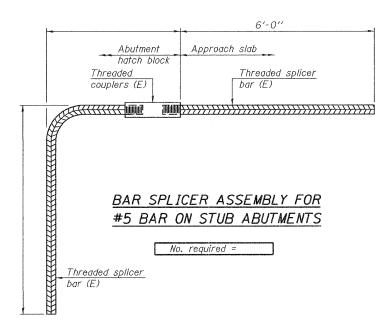
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

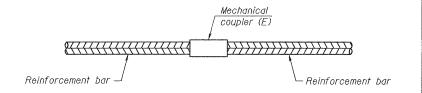
Location	Bar size	No. assemblies required	Table for minimum lap length
Deck	#7	14	4
Abutment	#6	8	4



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

Bar size	No. assemblies required
#6	10
	size

Approach Slab

6'-0"

Threaded splicer

bar (E)

BSD-1

7-1-10

Threaded splicer bar (E)

DESIGNED GGE JANUARY 13, 2011 EXAMINED CHECKED ADY DRAWN Kyle M. Steffen PASSED CHECKED GGE

BAR SPLICER ASSEMBLY FOR #5 BAR ON

INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS 301 (29B-1)M-1 SN 043-0035 SHEET NO. 10 OF 10 SHEETS

<u>NOTES</u>

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi vield 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 special provision for Mechanical Splicers.

JoDAVIESS 17 17

CONTRACT NO. 64G81

See approved list of bar splicer assemblies and mechanical splicers for alternatives.