

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7878	(4) BDR	CHRISTIAN	13	1
		ILLINOIS	CONTRACT NO. 72L76	

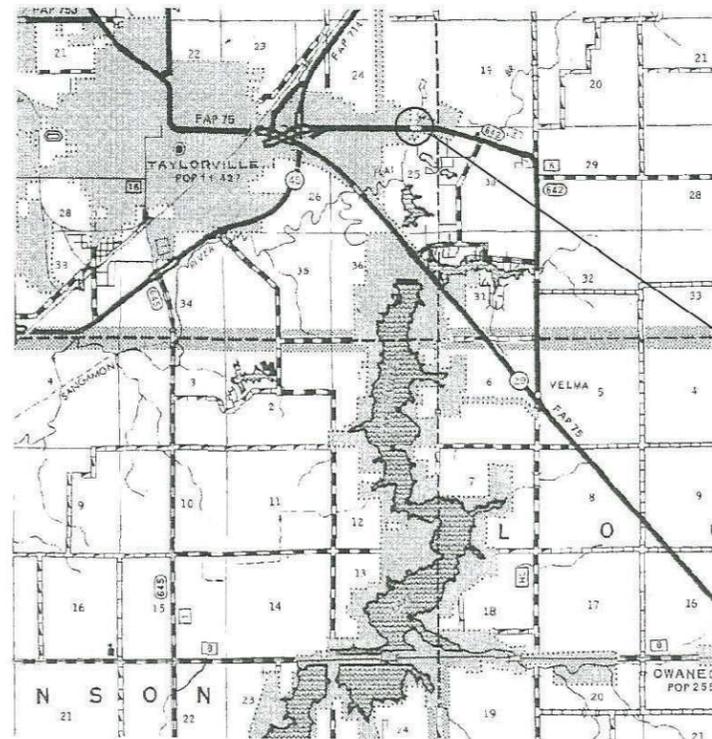
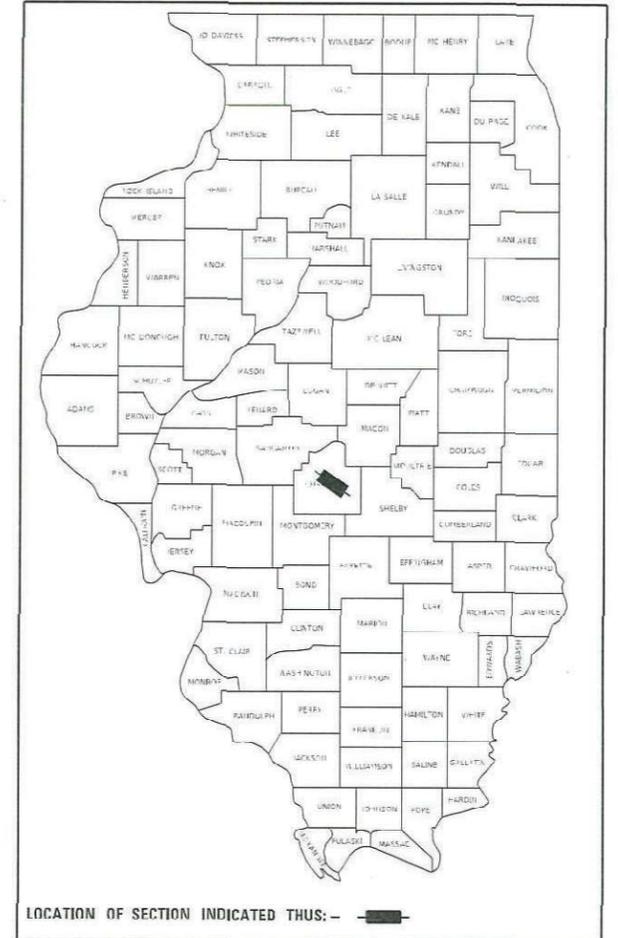
FOR INDEX OF SHEETS, SEE SHEET NO. 2

# PROPOSED CONTRACT MAINTENANCE

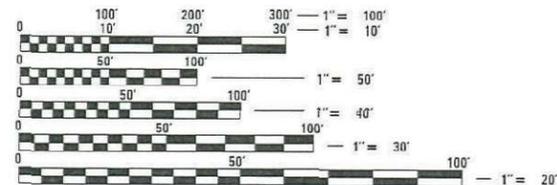
FAU 7878 (LINCOLN TRAIL)  
SECTION (4) BDR  
BRIDGE DECK PATCHING  
CHRISTIAN COUNTY

C-96-064-20

D-96-041-20



SN 011-0033  
LINCOLN TRAIL  
OVER FLAT BRANCH  
1.1 MI. EAST OF IL 48



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 EXCAVATORS  
1-800-892-0123  
OR 811

BRIDGE MAINTENANCE ENGINEER: BRANDON DUDLEY (217) 785-9290  
DESIGNER: JARED FRYE

CONTRACT NO. 72L76

GROSS LENGTH = 3676 FT. = 0.7 MILE  
NET LENGTH = 338 FT. = 0.06 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 20 2020  
*[Signature]* REGIONAL ENGINEER

May 8, 2020 *[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 8, 2020 *[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

INDEX OF SHEETS:

- 1 COVER SHEET
- 2 INDEX OF SHEETS
- 3-4 SUMMARY OF QUANTITIES
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- 10 GENERAL PLAN AND ELEVATION
- 11 DECK PATCHING PLANS
- 12 JOINT REPAIR DETAILS
- 13 BAR SPLICERS

HIGHWAY STANDARDS:

- 000001-07
- 001001-02
- 001006
- 701201-05
- 701301-04
- 701316-13
- 701001-02
- 701006-05
- 701901-08

GENERAL NOTES:

FULL DEPTH DECK REPAIRS & APPROACH JT. REPLACEMENT AREA SHALL BE COVERED WITH STEEL PLATES OVERNIGHT.

AREAS OF DECK REPAIRS SHOWN ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

MIXTURE USE:	HMA BASECOURSE WIDENING (BOTTOM LIFTS)	HMA BASECOURSE WIDENING (TOP 1.5")
PG GRADE:	PG 64-22	PG 64-22
MIXTURE COMPOSITION:	1L-19.0	1L-9.5
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50
FRICTION AGGREGATE:	N/A	MIX C
QUALITY MANAGEMENT:	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6</b>	
EXAMINED	March 16 20 20
 ENGINEER OF OPERATIONS	
EXAMINED	March 12 20 20
 ENGINEER OF PROJECT IMPLEMENTATION	
EXAMINED	March 18 20 20
 ENGINEER OF PROGRAM DEVELOPMENT	

SHOULDER IMPROVEMENT SCHEDULE							
STA	TO	STA	SIDE	BASE COURSE WIDENING 12" (SQ YD)	EARTH EX. WIDENING (CU YD)	AGG WEDGE SHLDR (TON)	PAVED SHLD. REMOVAL (SQ YD)
791+76	-	792+99.33	LT	60	14	3.75	20.5
791+76	-	792+99.33	RT	60	14	3.75	20.5
796+20.67	-	797+44	LT	60	14	3.75	20.5
796+20.67	-	797+44	RT	60	14	3.75	20.5
<b>TOTALS</b>				240	56	15	82.0

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PLOT DATE = 3/19/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS, &amp; SIGNATURES</b>	
SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7878	(4) BDR	CHRISTIAN	13	2
CONTRACT NO. 72L76				
ILLINOIS FED. AID PROJECT				

URBAN

0-02174-6033

SN 011-0033

100% STATE

BRIDGE

0047

CHRISTIAN

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
20200500	EARTH EXCAVATION (WIDENING)	CU YD	56.0	56.0
28100205	STONE RIPRAP, CLASS A3	TON	20.0	20.0
35650520	BASE COURSE WIDENING 12"	SQ YD	240.0	240.0
44004250	PAVED SHOULDER REMOVAL	SQ YD	82.0	82.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	15.0	15.0
50102400	CONCRETE REMOVAL	CU YD	0.9	0.9
50300225	CONCRETE STRUCTURES	CU YD	0.9	0.9
50800205	REINFORCEMENT BARS (EPOXY COATED)	POUND	140.0	140.0
50800515	BAR SPLICERS	EACH	4.0	4.0
54261712	STEEL FLARED END SECTIONS 12"	EACH	1.0	1.0
60103500	PIPE DRAINS, CORRUGATED STEEL 12"	FOOT	10.0	10.0
67100100	MOBILIZATION	LSUM	1.0	1.0
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1.0	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1.0	1.0
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1.0	1.0

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REV. - MS

USER NAME = FRYEIL	DESIGNED - JLF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - JLF	REVISIONS -	7878					(4) BDR	CHRISTIAN	13	3	
PLOT SCALE = 90.0000' / in.	CHECKED -	REVISIONS -		SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 72L76				
PLOT DATE = 3/19/2020	DATE -	REVISIONS -					ILLINOIS FED. AID PROJECT				

URBAN

0-02174-6033

SN 011-0033

100% STATE

BRIDGE - URBAN

0047

CHRISTIAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
70106700	TEMPORARY RUMBLE STRIPS	EACH	6.0	6.0
X0323586	PIPE DRAIN REMOVAL	FOOT	37.0	37.0
X5930100	CONTROLLED LOW-STRENGTH MATERIAL, SPECIAL	CU YD	5.0	5.0
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1.0	1.0
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	9.0	9.0
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	6.0	6.0
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	27.0	27.0
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	38.0	38.0
Z0032500	JOINT SEALING (PATCHES)	FOOT	568.0	568.0

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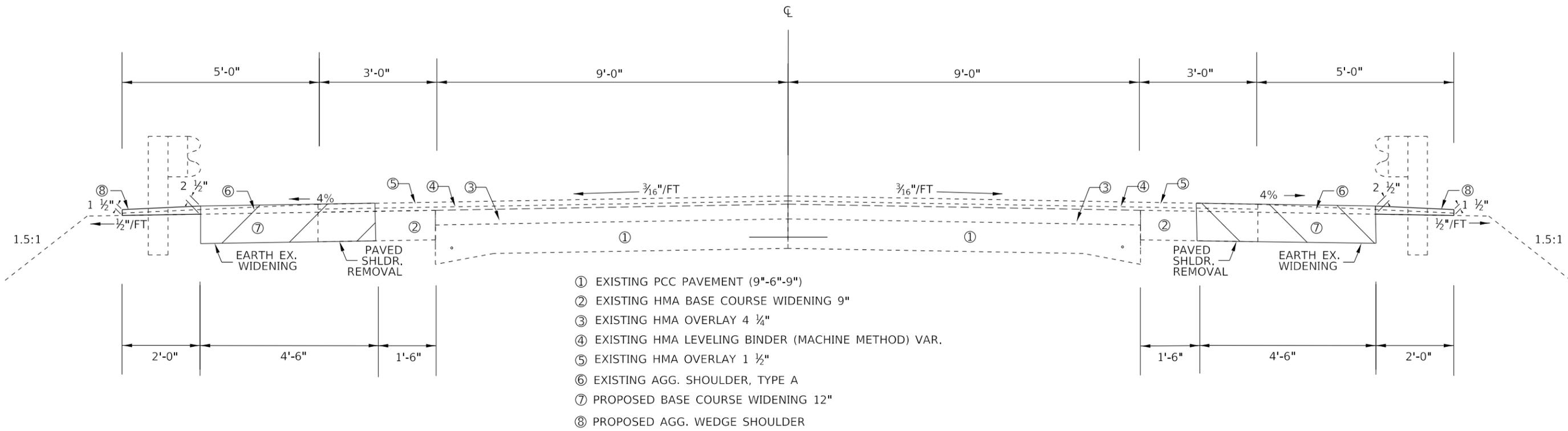
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

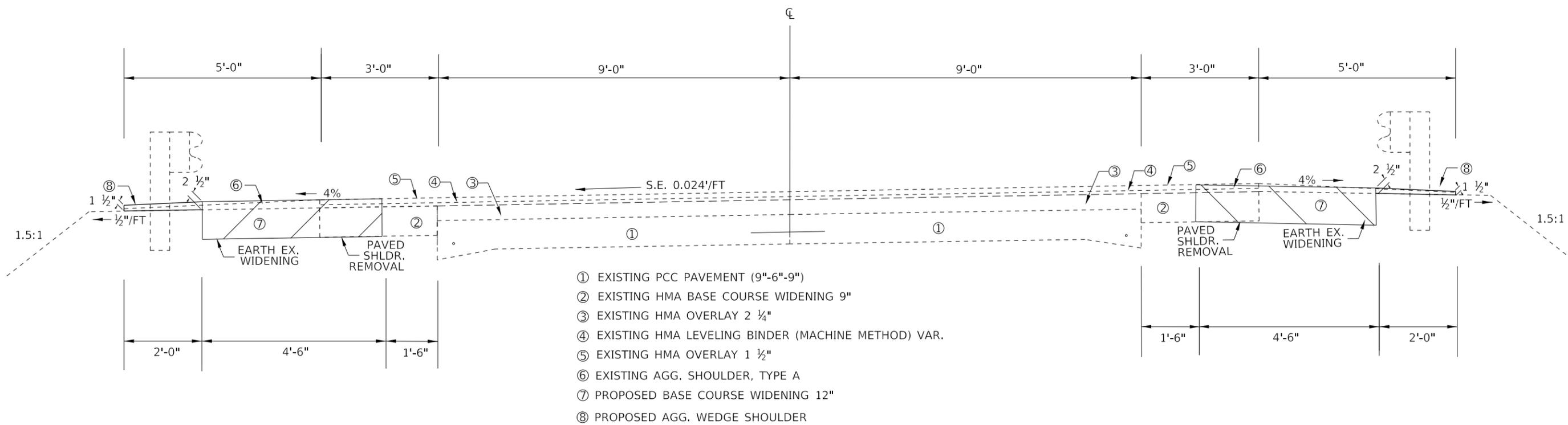
SUMMARY OF QUANTITIES

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7878	(4) BDR	CHRISTIAN	13	4
			CONTRACT NO. 72L76	
		ILLINOIS	FED. AID PROJECT	



Sta. 791+76 TO 792+91.41



Sta. 796+28.59 TO 797+44

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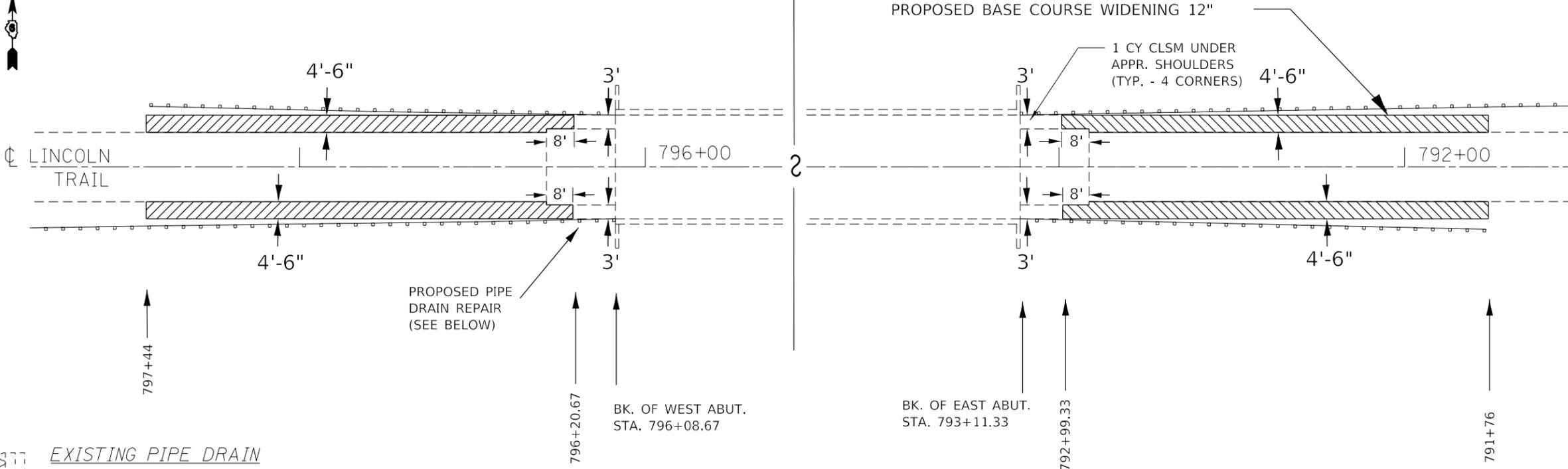
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

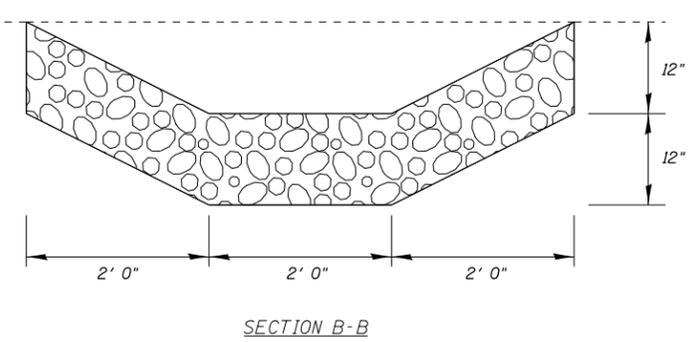
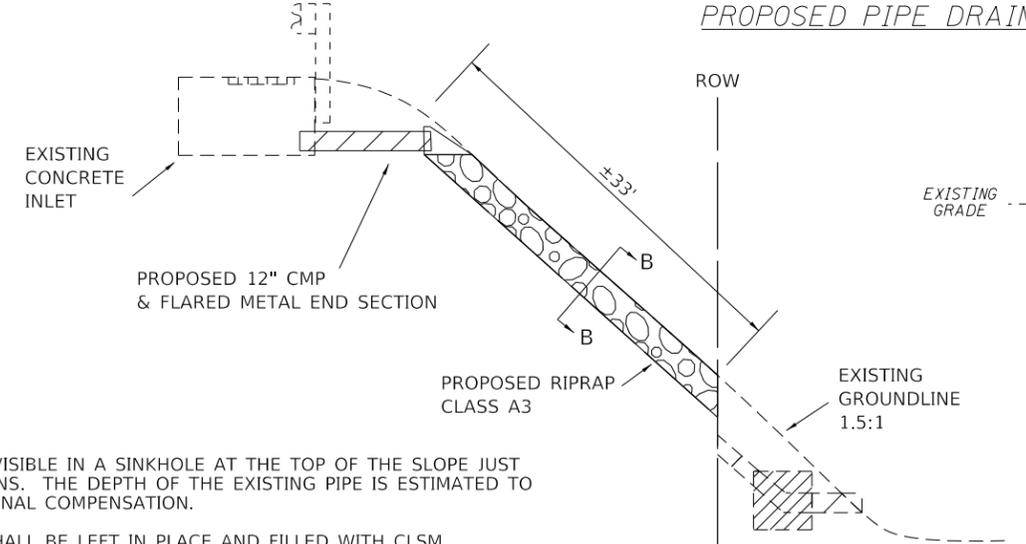
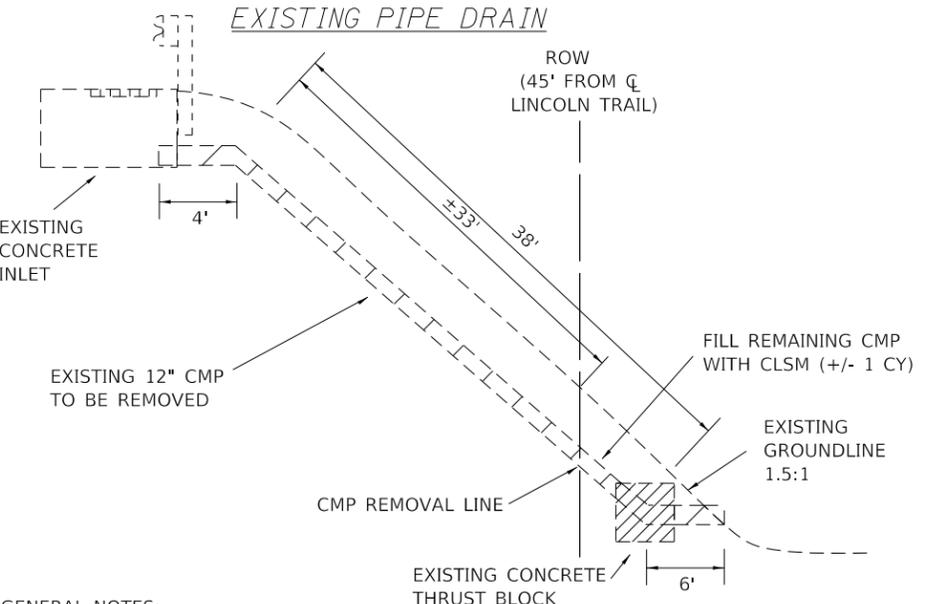
**TYPICAL SECTION**

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7878	(4) BDR	CHRISTIAN	13	5
CONTRACT NO. 72L76			ILLINOIS FED. AID PROJECT	



SHOULDER IMPROVEMENT PLAN



GENERAL NOTES:

1. THE EXACT EXISTING PIPE ALIGNMENT AND OUTLET LOCATION COULD NOT BE VERIFIED. THE PIPE IS VISIBLE IN A SINKHOLE AT THE TOP OF THE SLOPE JUST BEHIND THE INLET BOX AND THE EXISTING ALIGNMENT WAS APPROXIMATED BASED ON SITE CONDITIONS. THE DEPTH OF THE EXISTING PIPE IS ESTIMATED TO BE ±3'. MINOR DEVIATIONS FROM EXISTING INFORMATION SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION.
2. EXISTING CMP SHALL BE CUT AT ROW LINE AND REMAINDER OF PIPE AND CONCRETE THRUST BLOCK SHALL BE LEFT IN PLACE AND FILLED WITH CLSM. RIPRAP SHALL BE PLACED TO ROW LINE.
3. PIPE DRAIN LENGTH ESTIMATED, SHALL BE TRIMMED TO ALLOW FLARED END SECTION TO BE FLUSH WITH RIPRAP AT OUTLET.
4. ALL EXCAVATION FOR RIPRAP PLACEMENT SHALL BE CONSIDERED INCIDENTAL AND SHALL NOT BE MEASURED FOR PAYMENT SEPARATELY. EXCAVATED MATERIAL MAY BE USED TO BACKFILL VOIDS RESULTING FROM REMOVAL OF THE EXISTING CMP. ANY SURPLUS EXCAVATED MATERIAL SHALL BE DISPOSED OF. COSTS ASSOCIATED WITH MATERIAL DISPOSAL SHALL BE INCLUDED IN THE BID PRICE FOR STONE RIPRAP, CLASS A3.
5. ANY BRUSH OR STUMP REMOVAL NECESSARY FOR CONSTRUCTION OF RIPRAP AREAS SHALL BE CONSIDERED INCIDENTAL TO RIPRAP PLACEMENT AND SHALL NOT BE MEASURED FOR PAYMENT SEPARATELY.
6. ALL DISTURBED AREAS SHALL BE SEEDED PER SECTION 250 OF THE STANDARD SPECIFICATIONS. CLASS 2 SEED MIX SHALL BE USED. ALL WORK AND MATERIALS ASSOCIATED WITH THIS NOTE SHALL BE CONSIDERED INCIDENTAL TO THE STONE RIPRAP, CLASS A3 PAY ITEM AND SHALL NOT BE MEASURED FOR PAYMENT SEPARATELY.
7. THE PROPOSED PIPE DRAIN SHALL BE CONNECTED TO THE EXISTING CONCRETE INLET. THE EXISTING OPENING FOR THE PIPE CONNECTION SHALL BE ENLARGED, SO THAT THE OPENING DIAMETER IS 4" WIDER THAN THE PIPE. THE CONNECTION SHALL BE SEALED WITH A COLLAR CONSTRUCTED OF CLASS SI CONCRETE, WITH A MINIMUM OF 2" OF NEW CONCRETE AROUND THE CIRCUMFERENCE OF THE PROPOSED PIPE, INCLUDING THE FLOWLINE. THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF PIPE DRAIN.

BILL OF MATERIAL - PIPE DRAIN REPAIR		
ITEM	UNIT	TOTAL QUANTITY
STONE RIPRAP, CLASS A3	TON	20.0
PIPE DRAIN REMOVAL	FOOT	37.0
PIPE DRAINS, CORRUGATED STEEL 12"	FOOT	10.0
STEEL FLARED END SECTIONS 12"	EACH	1.0
CONTROLLED LOW-STRENGTH MATERIAL, SPECIAL	CU YD	1.0

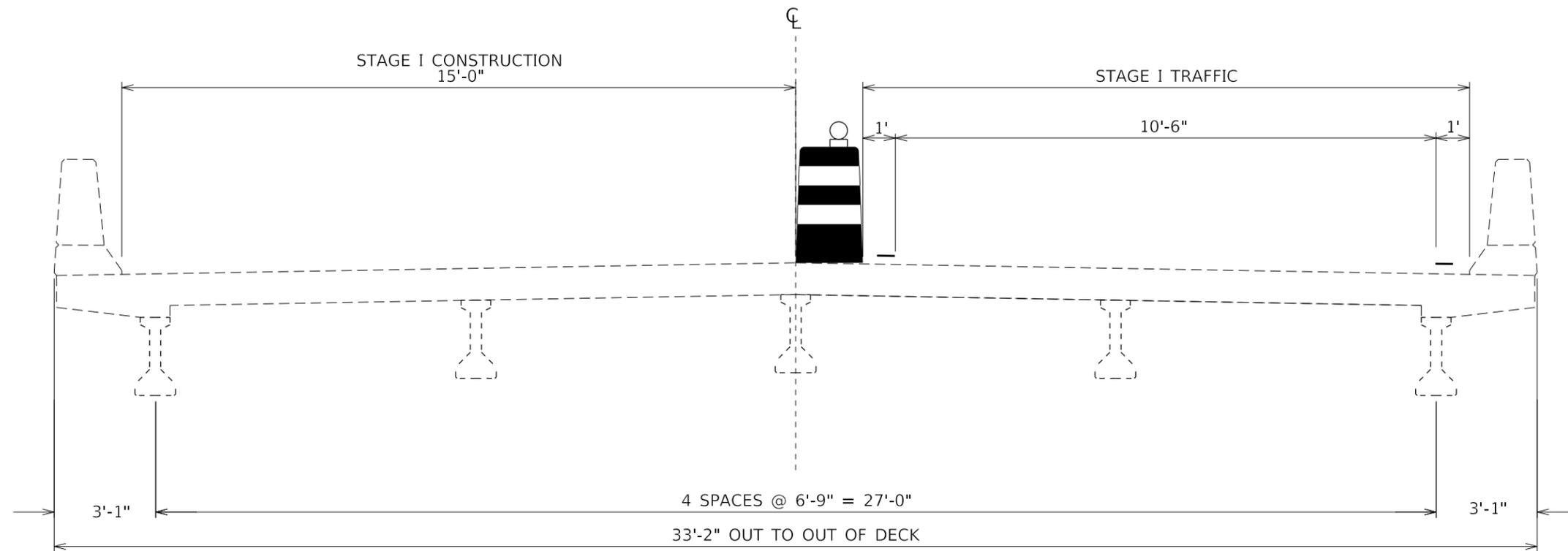
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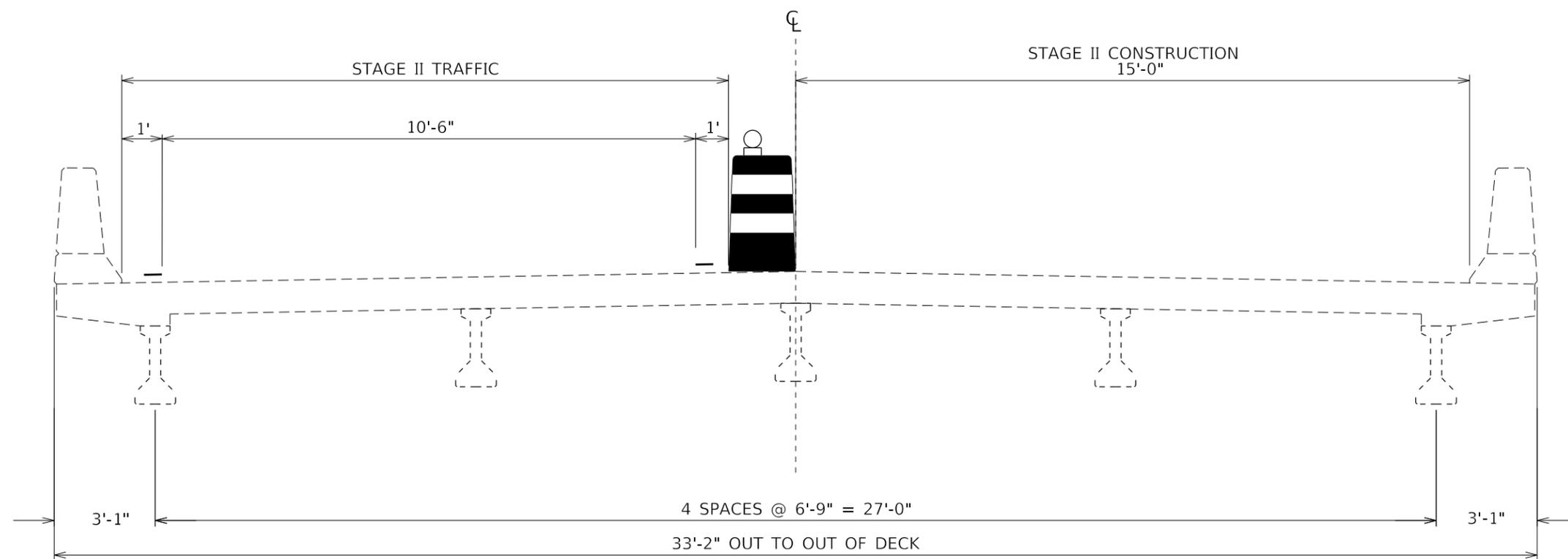
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7878	(4) BDR	CHRISTIAN	13	6
CONTRACT NO. 72L76			ILLINOIS FED. AID PROJECT	



STAGE I CROSS SECTION TYPICAL (LOOKING WEST)



STAGE II CROSS SECTION TYPICAL (LOOKING WEST)

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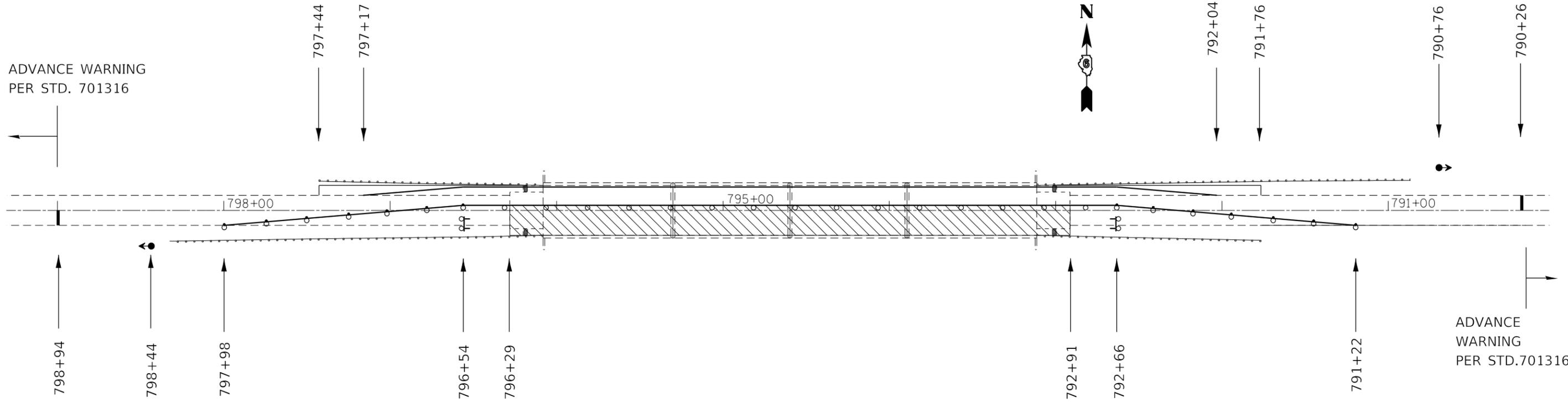
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PLOT DATE = 3/19/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING  
SN 011-0033

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7878	(4) BDR	CHRISTIAN	13	7
CONTRACT NO. 72L76				
ILLINOIS FED. AID PROJECT				



**SYMBOLS**

-  Work area
-  Sign
-  Traffic signal
-  Drum with steady burn bi-directional light
-  Type III barricade with flashing lights
-  Drum

**NOTES**

- TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701316 AND AS SHOWN ON THIS SHEET.
- RUMBLE STRIPS SHOWN IN STANDARD 701316 WILL BE REQUIRED.
- REMOVAL OF EXISTING PAVEMENT MARKINGS WILL NOT BE REQUIRED.

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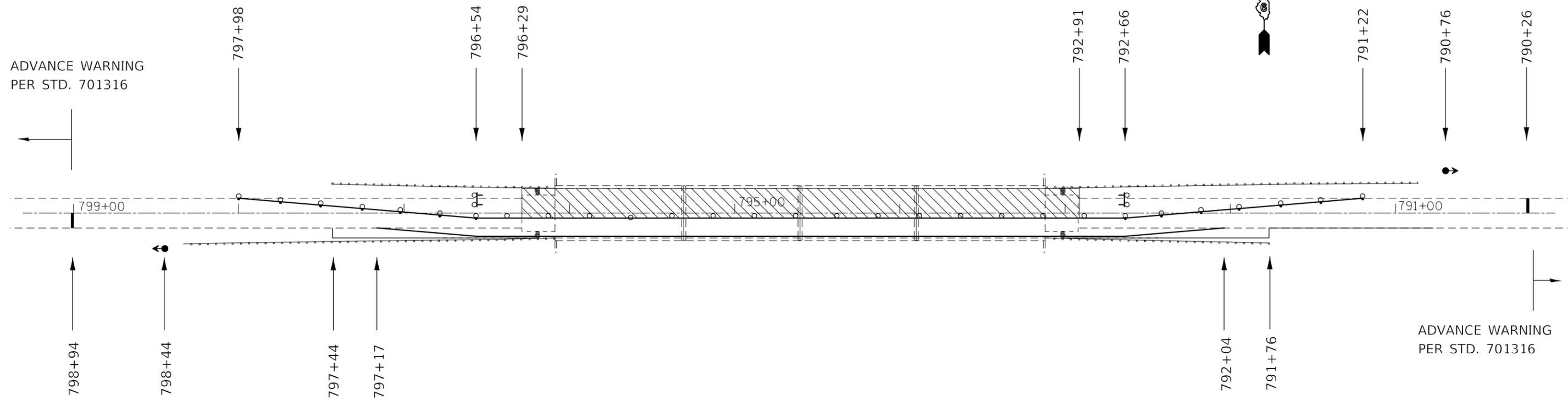
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLAN - STAGE I**  
**SN 011-0033**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7878	(4) BDR	CHRISTIAN	13	8
CONTRACT NO. 72L76				
ILLINOIS FED. AID PROJECT				

ADVANCE WARNING  
PER STD. 701316



ADVANCE WARNING  
PER STD. 701316

**SYMBOLS**

-  Work area
-  Sign
-  Traffic signal
-  Drum with steady burn bi-directional light
-  Type III barricade with flashing lights
-  Drum

**NOTES**

TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701316 AND AS SHOWN ON THIS SHEET.

RUMBLE STRIPS SHOWN IN STANDARD 701316 WILL BE REQUIRED.

REMOVAL OF EXISTING PAVEMENT MARKINGS WILL NOT BE REQUIRED.

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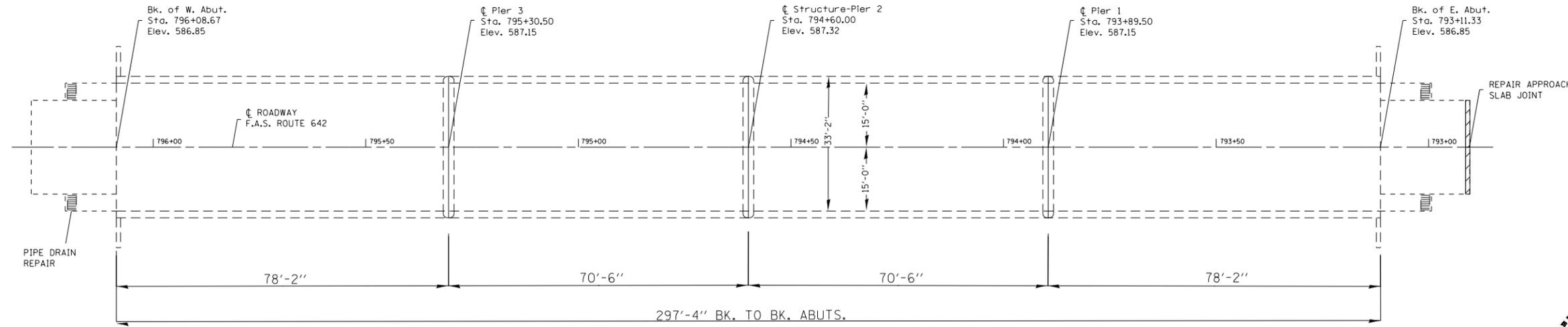
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

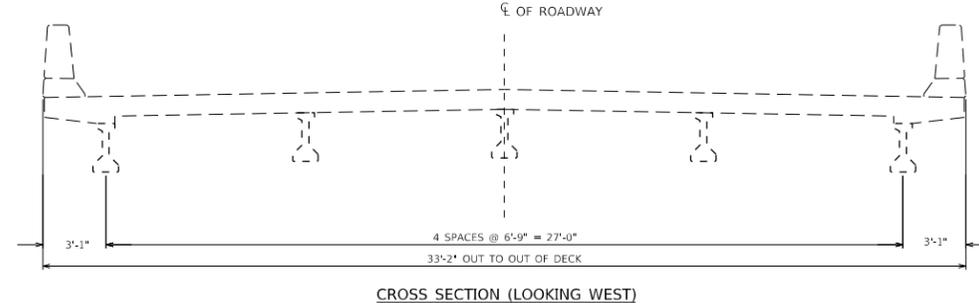
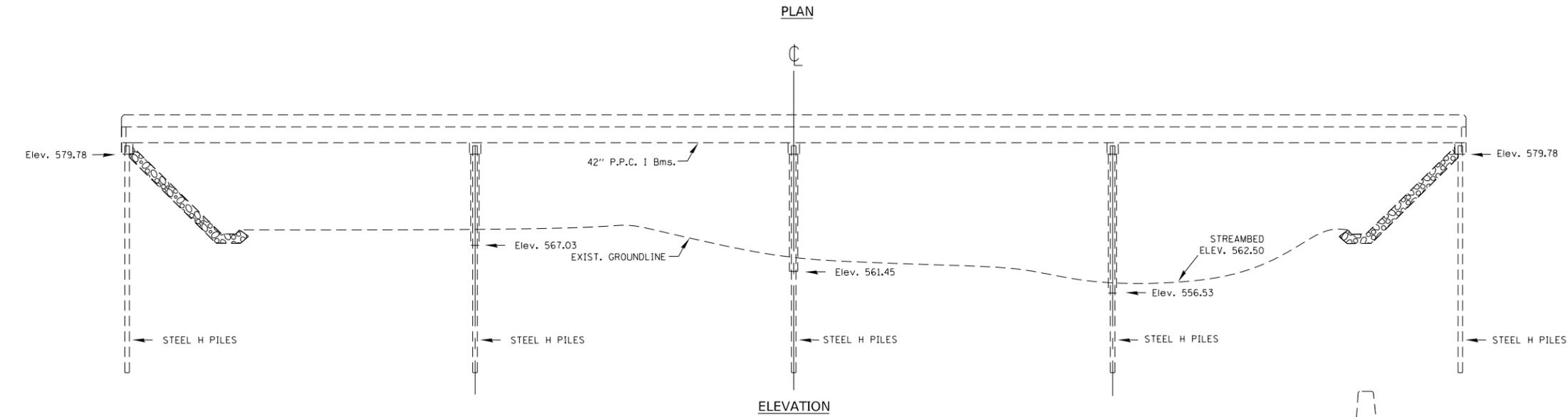
**TRAFFIC CONTROL PLAN - STAGE II  
SN 011-0033**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7878	(4) BDR	CHRISTIAN	13	9
CONTRACT NO. 72L76			ILLINOIS FED. AID PROJECT	



Expires 11-30-2020  
*David Carl Puzey*  
 5/6/2020



BENCH MARK: \*70 CHISLED "□" ON SOUTHWEST WINGWALL OF BRIDGE. STA. 794+60. ELEV. 586.39

STRUCTURE GENERAL NOTES:

JOINT SEALING (PATCHES) SHALL BE PLACED AS DESCRIBED IN THE SPECIAL PROVISIONS.

PRIOR TO POURING THE NEW CONCRETE PATCHES, ALL HEAVY OR LOOSE MILL SCALE AND OTHER LOOSE OR POTENTIALLY DETRIMENTAL FOREIGN MATERIAL SHALL BE REMOVED FROM THE SURFACES IN CONTACT WITH CONCRETE. TIGHTLY ADHERED PAINT MAY REMAIN UNLESS OTHERWISE NOTED. REMOVAL SHALL BE ACCOMPLISHED BY METHODS THAT WILL NOT DAMAGE THE STEEL AND THE COST WILL BE INCLUDED IN CONCRETE REMOVAL.

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 THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED, AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

TOTAL BILL OF MATERIAL SN 011-0033

ITEM	UNIT	TOTAL QUANTITY
CONCRETE REMOVAL	CU YD	0.9
CONCRETE STRUCTURES	CU YD	0.9
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	9.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	38.0
JOINT SEALING (PATCHES)	FOOT	568.0
STRUCTURAL REPAIR OF CONCRETE (= or < 5")	SQ FT	6.0
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	27.0
REINFORCEMENT BARS (EPOXY COATED)	POUND	140.0
BAR SPLICERS	EACH	4

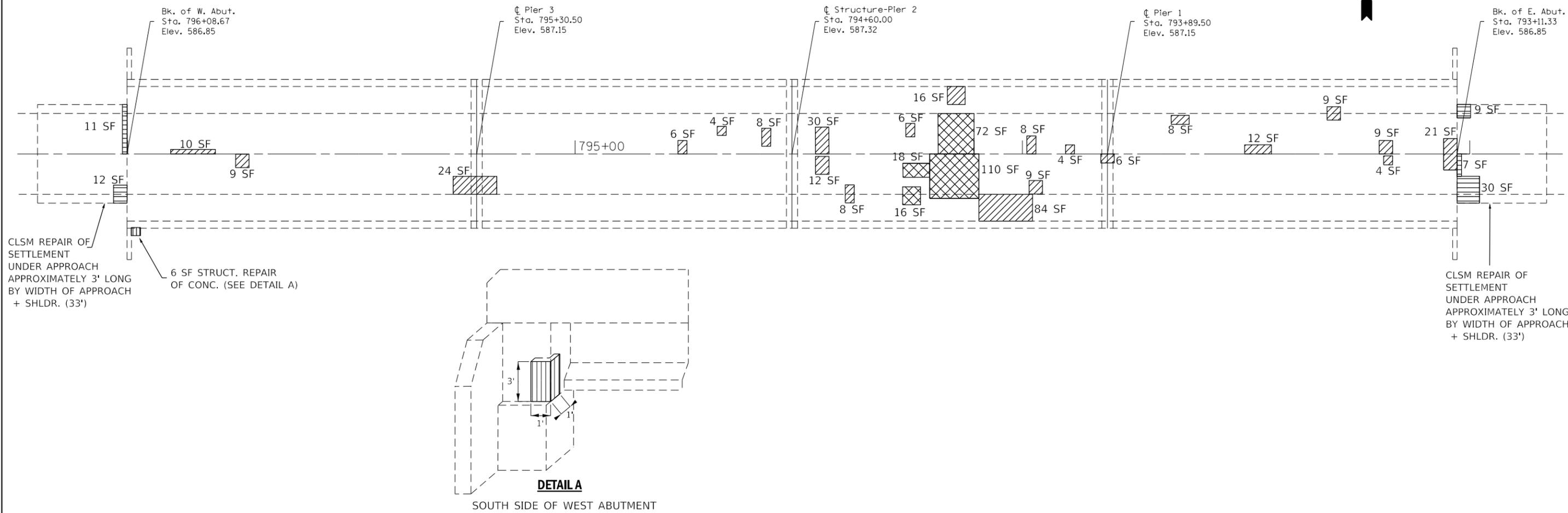
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PLOT SCALE = 31.6710' / in.	DRAWN - JLF	REVISED - _____
PLOT DATE = 5/6/2020	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION  
 SN 011-0033**  
 SCALE: \_\_\_\_\_ SHEET 1 OF 1 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A. RTE. 7878	SECTION (4) BDR	COUNTY CHRISTIAN	TOTAL SHEETS 13	SHEET NO. 10
CONTRACT NO. 72L76			ILLINOIS FED. AID PROJECT	



-  PARTIAL DEPTH SLAB REPAIR AREAS
-  APPROACH SLAB REPAIR AREAS
-  STRUCTURAL REPAIR OF CONCRETE AREAS
-  CONTROLLED LOW STRENGTH MATERIAL REPAIR AREA
-  FULL DEPTH SLAB REPAIR AREAS

BILL OF MATERIAL - SN 011-0033		
ITEM	UNIT	TOTAL QUANTITY
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	9.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	38.0
JOINT SEALING (PATCHES)	FT.	568.0
STRUCTURAL REPAIR OF CONCRETE (D=OR<5")	SQ FT	6.0
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	27.0

**GENERAL NOTES:**

- THE PATCH SIZES AND LOCATIONS SHOWN ON THE PLAN SHEETS ARE ESTIMATED. THE FINAL PATCH LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- ALL PATCHES SHALL BE SEALED AROUND THEIR PERIMETER.
- STEEL PLATES SHALL BE USED TO COVER FULL DEPTH PATCHES OVERNIGHT. COST SHALL BE INCLUDED IN PRICE FOR FULL DEPTH PATCHES.

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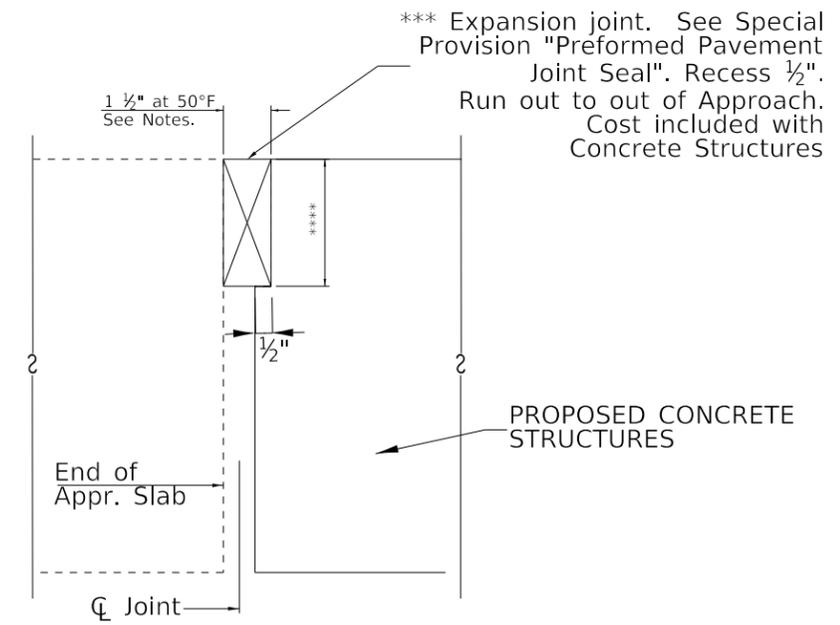
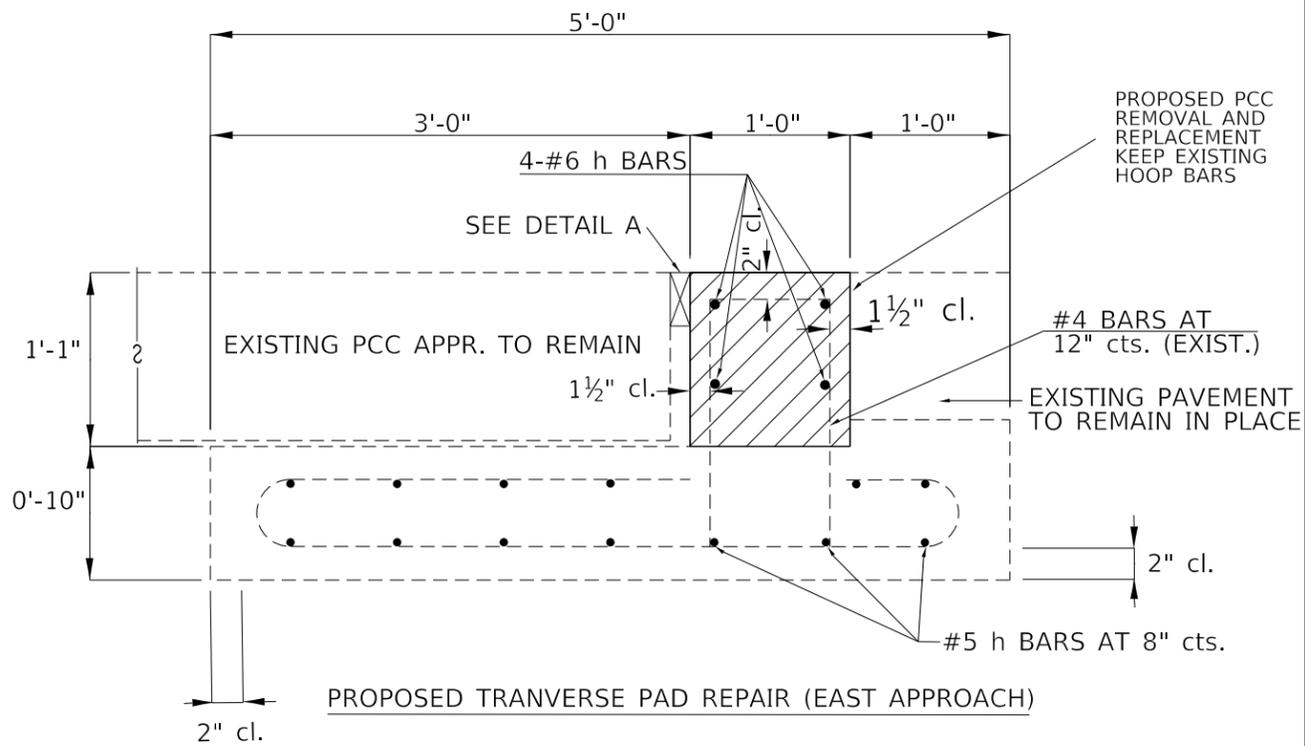
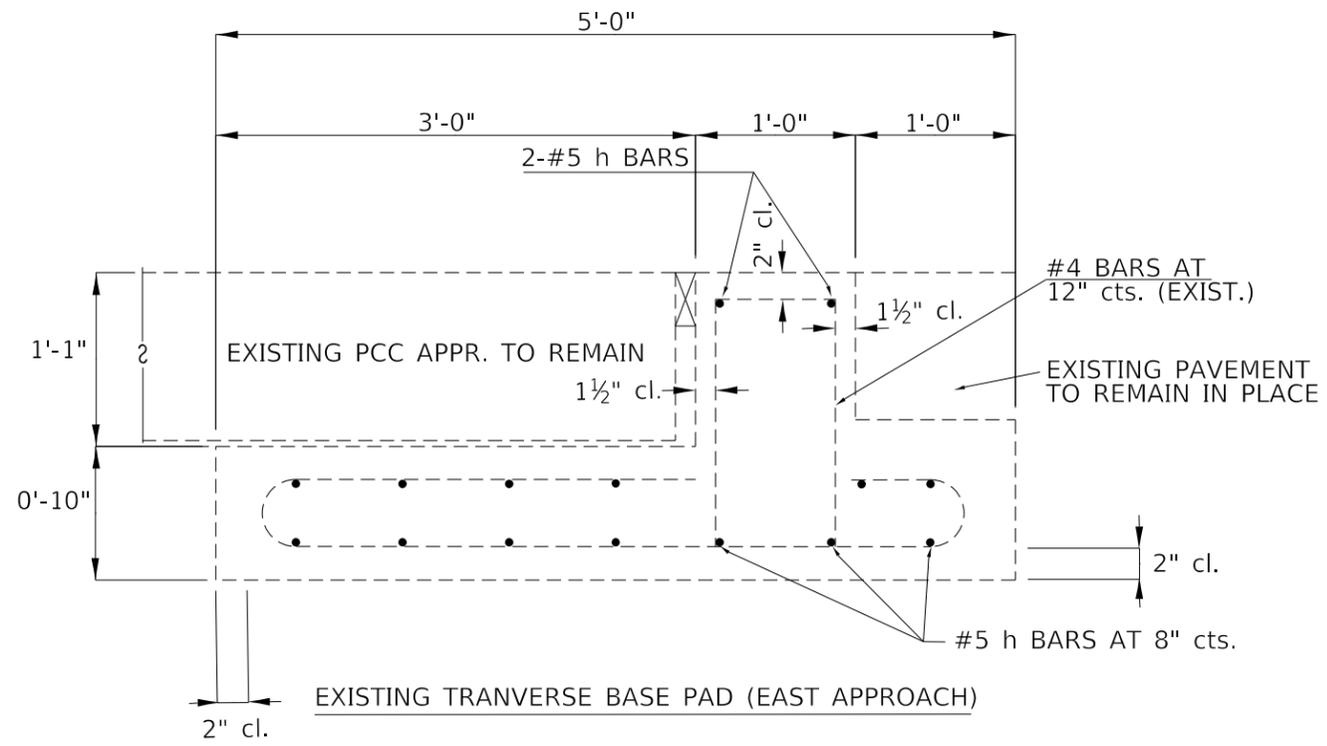
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DECK REPAIR PLAN  
SN 011-0033**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7878	(4) BDR	CHRISTIAN	13	11
CONTRACT NO. 72L76			ILLINOIS FED. AID PROJECT	



DETAIL A - EAST APPROACH  
 \*\*\*\* Per manufacturer recommendations

NOTES:  
 JOINT WIDTHS SPECIFIED IN PLANS ARE AT 50° F. THE CONTRACTOR SHALL ADJUST WIDTHS ACCORDING TO ARTICLE 520.04 IN THE STANDARD SPECIFICATIONS.  
 THE ESTIMATED LENGTH OF PREFORMED JOINT SEAL TO COMPLETE JOINT REPAIR IS 22' BUT SHALL BE FIELD VERIFIED. SEAL WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF CONCRETE STRUCTURES.  
 THE COST OF REMOVING AND DISPOSING OF EXISTING JOINT SEAL MATERIAL SHALL BE INCLUDED WITH CONCRETE REMOVAL.

BILL OF MATERIALS REINF. BARS (EPOXY CTD.)					
BAR	No.	SIZE	LENGTH	SHAPE	
h(E)	8	#6	10'-8"	—	
Reinforcement Bars (Epoxy Coated)				Lbs.	140.0

BILL OF MATERIAL - JOINT REPAIR		
ITEM	UNIT	TOTAL QUANTITY
CONCRETE REMOVAL	CU YD	0.9
CONCRETE STRUCTURES	CU YD	0.9

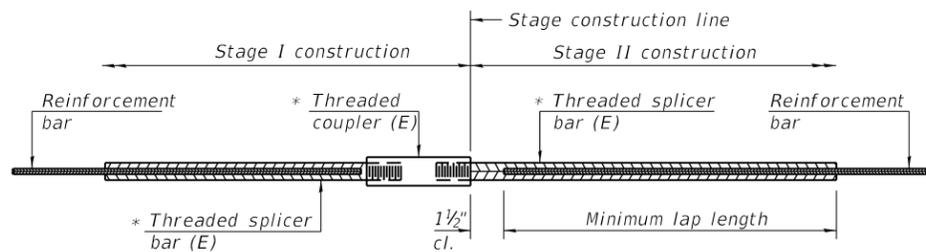
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	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

APPROACH SLAB JOINT REPAIR DETAIL  
 SN 011-0033  
 SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7878	(4) BDR	CHRISTIAN	13	12
CONTRACT NO. 72L76				
ILLINOIS FED. AID PROJECT				

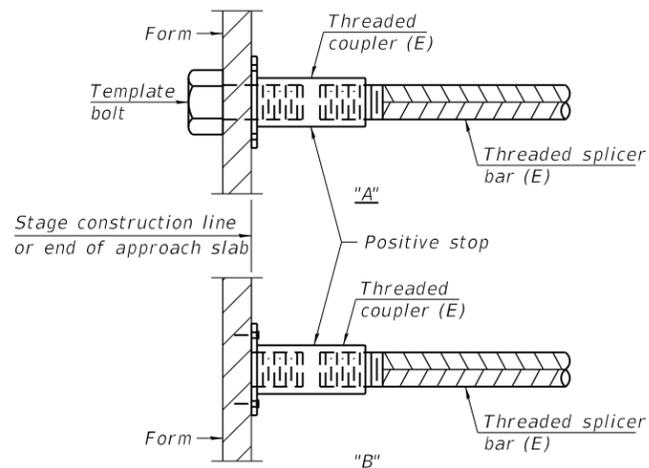


**STANDARD BAR SPLICER ASSEMBLY**

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

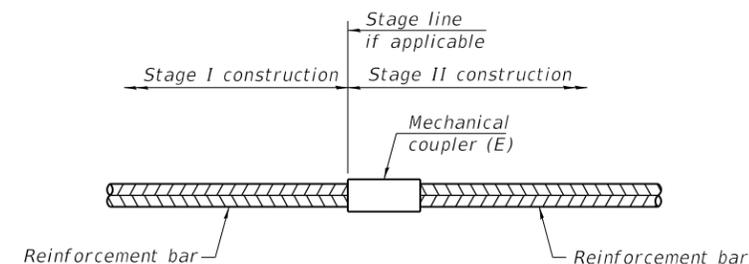
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
JOINT REPAIR	#6	4	4' 0"



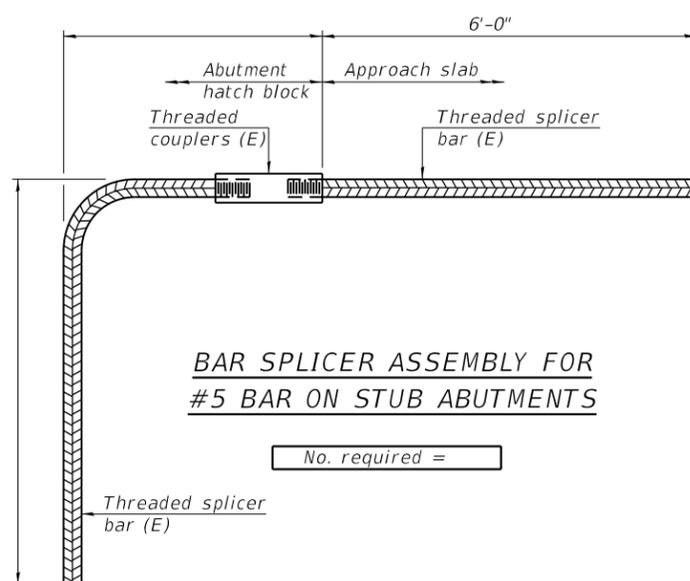
**INSTALLATION AND SETTING METHODS**

"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



**BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS**

No. 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

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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS  
SN 011-0033**

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

F.A.S. RTE. 7878	SECTION (4) BDR	COUNTY CHRISTIAN	TOTAL SHEETS 13	SHEET NO. 13
CONTRACT NO. 72L76			ILLINOIS FED. AID PROJECT	