STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAS ROUTE 1517 (US 150) SECTION D5 BEAM REPLACE 2008-2 PIATT COUNTY

C-95-078-07

BRIDGE REPAIR
SOUTH BRANCH OF SALT CREEK 1.0 MILE EAST OF FARMER CITY

S. N. 074-0008
STATION 5+25.00

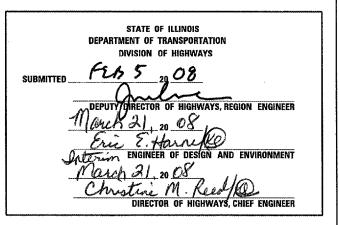
BEAM REPLACEMENT (NORTH BEAMS 1 THRU 4)
FROM STATION 4+89.42 TO STATION 5+60.59

TOTAL LENGTH OF SECTION = 71.17 FEET = 0.0135 MILES

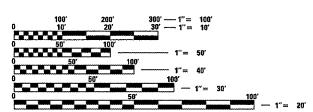
NET LENGTH OF SECTION = 71.17 FEET = 0.0135 MILES

D--95--078--07





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

CURRENT ADT = 1,550 (2007) US 150

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

PROJECT ENGINEER: NANCY FASIG PROJECT MANAGER: TODD BLACK

CONTRACT NO. 70699

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INDEX OF SHEETS

SHEET NO.	<u>ITEM</u>
1	COVER SHEET
2	INDEX OF SHEETS AND LIST OF HIGHWAY STANDARDS
3	GENERAL NOTES
4	SUMMARY OF QUANTITIES
5	EXISTING AND PROPOSED ROADWAY TYPICAL SECTIONS
6	EXISTING AND PROPOSED STRUCTURE TYPICAL SECTIONS & STAGE CONSTRUCTION DETAILS
7-8	SCHEDULES OF QUANTITIES
9	PLAN VIEW & TEMPORARY CONCRETE BARRIER LAYOUT & STAGE CONSTRUCTION PLAN
10-14	BRIDGE PLANS - S.N. 074-0008
15-18	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS) DISTRICT 5 DETAIL 7800AAAA

LIST OF HIGHWAY STANDARDS

STANDARD NO.	NAME OF STANDARD
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
701006-02	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
 701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-02	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701321-09	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701901	TRAFFIC CONTROL DEVICES
704001-04	TEMPORARY CONCRETE BARRIER
780001-01	TYPICAL PAVEMENT MARKINGS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS

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\projects\d570699\70699plans.dgn		DRAWN -	REVISED -
,	PLOY SCALE = 100.0000 '/ IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2008	DATE -	REVISED -

INDEX OF SHEETS AND LIST OF HIGHWAY STANDARDS

SCALE: NA SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| F.A.S. | SECTION | COUNTY | SHEET | SHEET | NO. |
| 1517 | D5 BEAM REPLACE 2008-2 | PIATT | 18 | 2 |
| CONTRACT NO. 70699 |
| FEO. ROAD DIST. NO. | ILLINDIS| FED. AID PROJECT

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.

FILE NAME :	USER NAME = collierbw	DESIGNED -	REVISED -					F.A.S.	SECTION	COUNTY	TOTAL SHEET
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	PLOT SCALE = 100.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION						CONTRAC	T NO. 70699
	PLOT DATE = 2/6/2008	DATE -	REVISED -		SCALE: NA	SHEET NO. 1 OF 1 SHEETS STA.	TO STA.	FED. ROAD	DIST. NO. ILLINOIS FED. AL	ID PROJECT	1 1101 10023

SUMMARY OF QUANTITIES

	LOCATION OF WORK:		FAS 1517 (US 150) PIATT COUNTY
			STA. 4+89.42 STA. 5+60.59
	CONSTRUCTION TYPE CODE:		100% STATE SFTY-2A
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
50102400	CONCRETE REMOVAL	CU YD	1.0
50300300	PROTECTIVE COAT	SQ YD	101.0
50301200	CONCRETE WEARING SURFACE	SQ YD	101.0
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	854.0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,190.0
67100100	MOBILIZATION	L SUM	1.0
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1.0
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	415.0
70400100	TEMPORARY CONCRETE BARRIER	FOOT	225.0
78001110	PAINT PAVEMENT MARKING - LINE 4"	F00 T	1, 395.0
78300100	PAVEMENT MARKING REMOVAL	SQ FT	235.0
X0320047	REMOVAL OF EXISTING PRECAST PRESTRESSED CONCRETE DECK BEAMS	SQ FT	854.0
X0321781	MECHANICAL SPLICE	EACH	72.0
50900905	REMOVINGAND RE-ERECTINEXISTING RAILING	FOOT	73.0
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0

^{*} SPECIALTY ITEM

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c:\projects\d570699\70699plans.dgn		DRAWN -	REVISED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES				1517 D	05 REAM REPLACE 2008-2	PIATT	18 4
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	PLDT DATE = 2/6/2008	DATE -	REVISED -		SCALE: NA	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAL	D DIST. NO. ILLINOIS FED. AI	and the second s	

EXISTING AND PROPOSED ROADWAY TYPICAL SECTION

FAS 1517 (US 150)

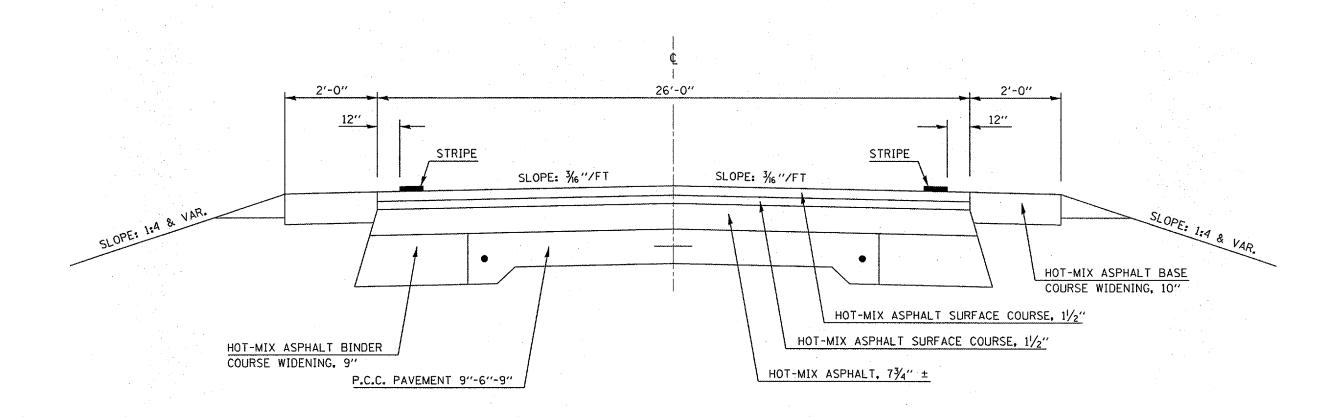
STATION TO STATION

3+04.42

4+69.42 (BRIDGE APPROACH)

(BRIDGE APPROACH) 5+80.59

7+45.59



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	PLOT DATE = 2/6/2008	DATE	-	12-19-2007	REVISED	

STATI	E OF	ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

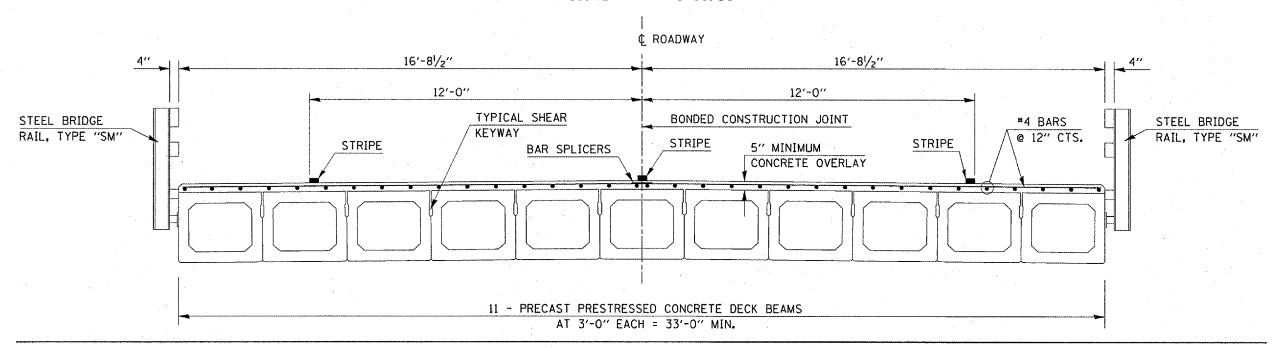
EXISTIN	G AND	PROPOSED	ROADWAY	TYPICAL	SECTIONS	
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RTÉ.		***		SECT				1	COUNTY	TOTAL SHEETS	NO.
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								T	CONTRACT	NO. 7	70699
FED. RO	CAC	DIST.	NO		ELLEN	210	FED.	AID	PROJECT		

EXISTING STRUCTURE TYPICAL SECTION S.N. 074–0008

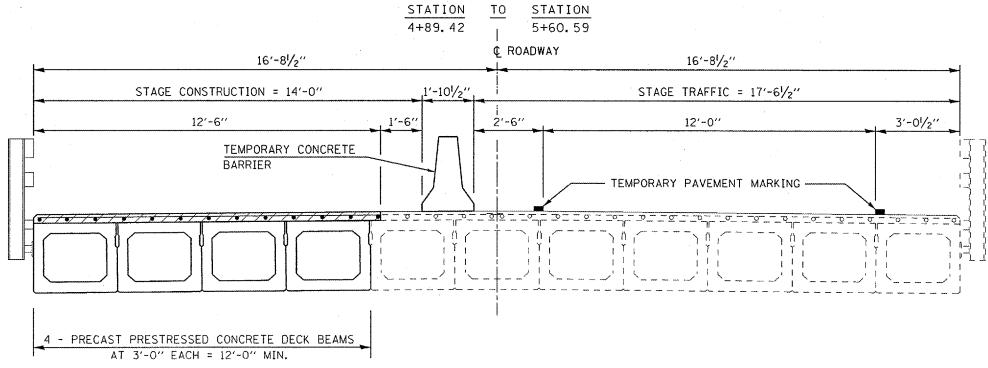
F. A. S. 1517 (US 150)

STATION TO STATION
4+89.42 5+60.59



PROPOSED STRUCTURE TYPICAL SECTION AND STAGE CONSTRUCTION DETAILS

S. N. 074-0008 F. A. S. 1517 (US 150)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING	G AND	PROPOS	ED STRUC	TURE T	YPICAL SEC	TIONS
	AND	STAGE	CONSTRUC	CTION D	ETAILS	•
SCALE: NONE	SHEET N	0. 1 OF 1	SHEETS	STA.	τo	STA.

SCHEDULES OF QUANTITIES

78001110 PAINT PAVEMENT MARKING - LINE 4 INCH

STATION	TO	STATION	OFFSET (FT)	DESCRIPTION	LENGTH (FT)
1+90.50		8+09.50	0.00 CL	YELLOW SKIP DASH	155.00
1+90.50		8+09.50	12.00 LT	WHITE SOLID EDGE LI	NE 620.00
1+90.50		8+09.50	12.00 RT	WHITE SOLID EDGE LI	NE 620.00
				TOTAL	S = 1395.00
.				US	E 1395.00

78300100 PAVEMENT MARKING REMOVAL

STATION	ТО	STATION	OFFSET (FT)	DESCRIPTION	LENGTH (FT)	WIDTH (INCH)	AREA
1+90.50 2+50.50		8+09.50 7+99.50	0.00 CL 12.00 RT	YELLOW SKIP DASH WHITE SOLID EDGE LINE	155.00 549.00	4.0 4.0	51. 20 181. 20
					TOT	ALS =	232.40
					Production	USE	235.00

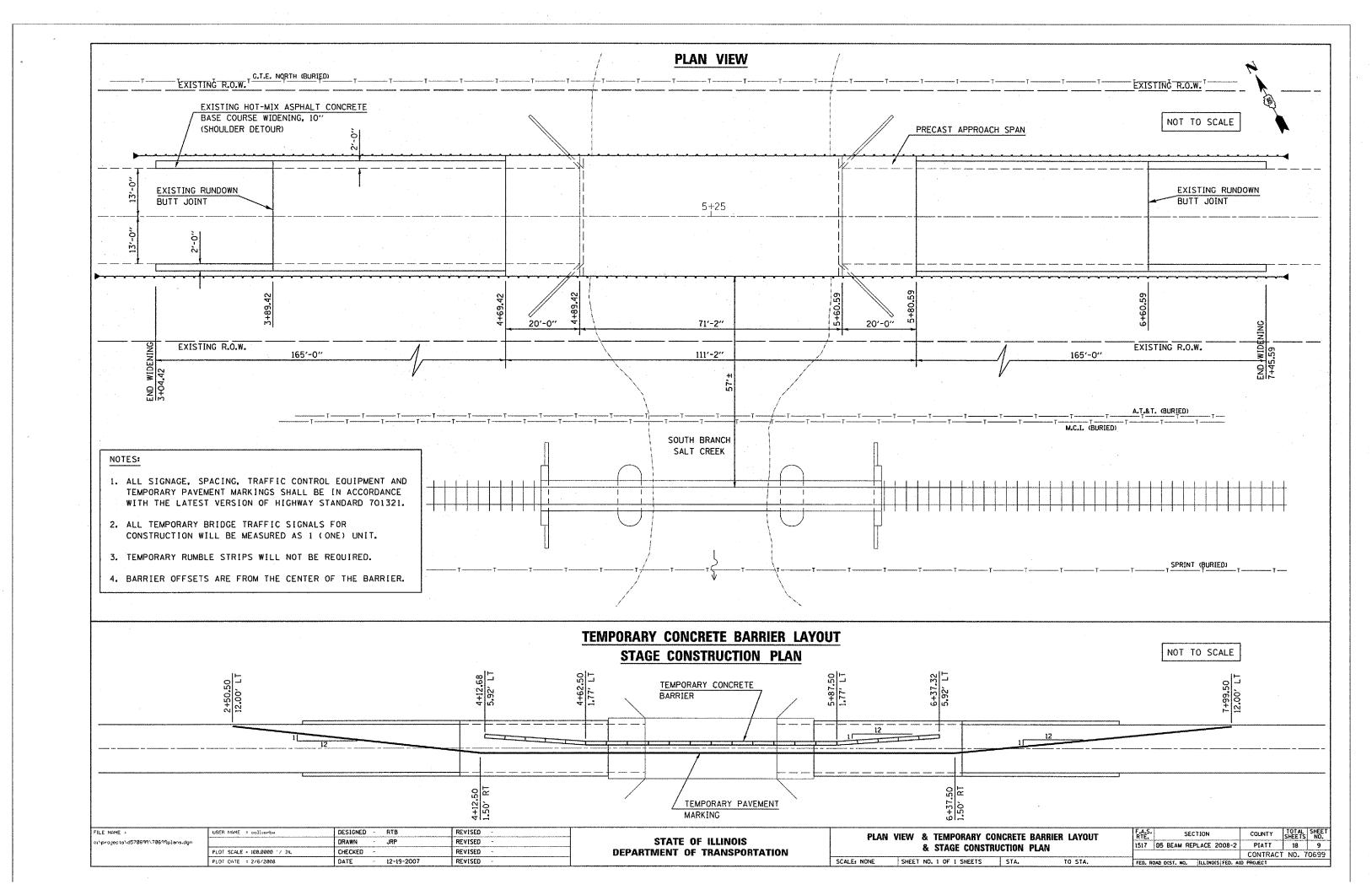
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c:\projects\d570699\70699plans.dgn		ORAWN -	REVISED -	STATE OF ILLINOIS	SCHEDULES OF QUANTITIES	1517	D5 REAM REPLACE 2008-2		18	7
	PLOT SCALE = 100.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			100 000 000 000 000 000 000 000 000 000	CONTRAC	T NO.	70699
	PLOT DATE = 2/6/2008	DATE -	REVISED -		SCALE: NA SHEET NO. 1 OF 2 SHEETS STA. TO STA.	FED.	ROAD DIST, NO. ILLINOIS FED. AL			

SCHEDULES OF QUANTITIES

70400100	TEMPOR	ARY	CONCRETE	BARRIER	
STATION	OFFSET (FT)	TO	STATION	OFFSET (FT)	LENGTH (FT)
4+12.68 4+62.50 5+87.50	5. 92 LT 1. 77 LT 1. 77 LT		4+62.50 5+87.50 6+37.32	1.77 LT 1.77 LT 5.92 LT	50.00 125.00 50.00
				TOTALS =	225.00
				USE	225.00

Z0030250	IMPACT ATTE	NUATORS.	TEMPORARY
	(NON-DIRECT	IVE), TE	ST LEVEL 3
STATION	OFFSET (FT)	EACH	
4+12.68 6+37.32	5.92 LT 5.92 LT	1.00 1.00	
	TOTALS =	2.00	
	USE	2. 00	

FILE NAME :	USER NAME = collierbw	DESIGNED -	REVISED -						F.A.S.	SEC	TION	COUNTY	TOTAL	SHEET
c:\projects\d570699\70699ple	.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	SCHEDULES OF QUANTITIES		1517	05 BEAM REI	PLACE 2008-2	PIATT	18	- 1104 R		
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5 SHEETS

GENERAL NOTES

The contractor is advised that the existing PPC deck beams are in a deteriorated condition with reduced load carrying capacity. It is the contractor's responsibility to account for the condition of the beams when developing construction procedures.

If the contractor's procedure for existing beam removal or placement of new beams involves placement of cranes or other heavy equipment on the bridge, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying that the equipment and procedure used will not overstress the new or existing beams. To distribute load to multiple beams and protect the existing surface, in all cases a double layer mat of heavy timbers shall be used at all times under crane tracks or wheels and any outriggers in the down position. If necessary, shims shall be used under the crane mat to ensure uniform contact with the underlying beams. If heavy equipment will be placed on new PPC deck beams, the following shall be done prior to placement of the timber mats: placement and tightening of transverse tie assemblies, grouting and curing the dowel rods 24 hours minimum and grouting and curing the shear keys.

The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

Plan dimensions and details relative to existing plans are subject to routine 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 based upon the unit

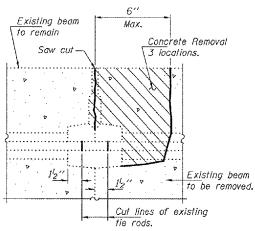
Temporary concrete barrier shall only be anchored into the overlay and not into the PPC deck beams.

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.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Any damage done to the bridge during beam removal shall be repaired by the contractor. Cost to be included in the cost of Removal of Existing PPC Deck Beams The deck surface shall have its final finish timed according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Wearing Surface.



BEAM REMOVAL DETAIL AT TRANSVERSE TIES

DESIGN STRESSES

FIELD UNITS f'c = 3,500 psi fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS f'c = 5,000 psi f'ci = 4,000 psi

 $f's = 270,000 \text{ psi } (\frac{1}{2})'' \text{ low lax strands})$ $f'si = 201,960 psi (\frac{I_2}{2})^{\prime \phi} low lax strands)$

PLAN

ELEVATION

70'-0"

Existing tie rods to

be cut, (Typ.) See detail & Brg.
this sheet E. Abut.

Top of Beam ₡ Span — 72'-2" ANTICIPATED INITIAL CAMBER DIAGRAM

TOTAL BILL OF MATERIAL

UNIT	QUANTITY
Sq. Ft.	854
Sq. Ft.	854
Sq. Yd.	100.7
Pound	1190
Sq. Yd.	101
Each	72
Cu. Yd.	0.7
Foot	73

	Sq. Ft. Sq. Ft. Sq. Yd. Pound Sq. Yd. Each Cu. Yd.

PLAN AND ELEVATION SBI 39 OVER SOUTH BRANCH SALT CREEK PIATT COUNTY SN 074-0008



€ Brg. W. Abut.

Beam 1

Beam 2

Beam 3

Beam 4

Beam 5

Beam 7

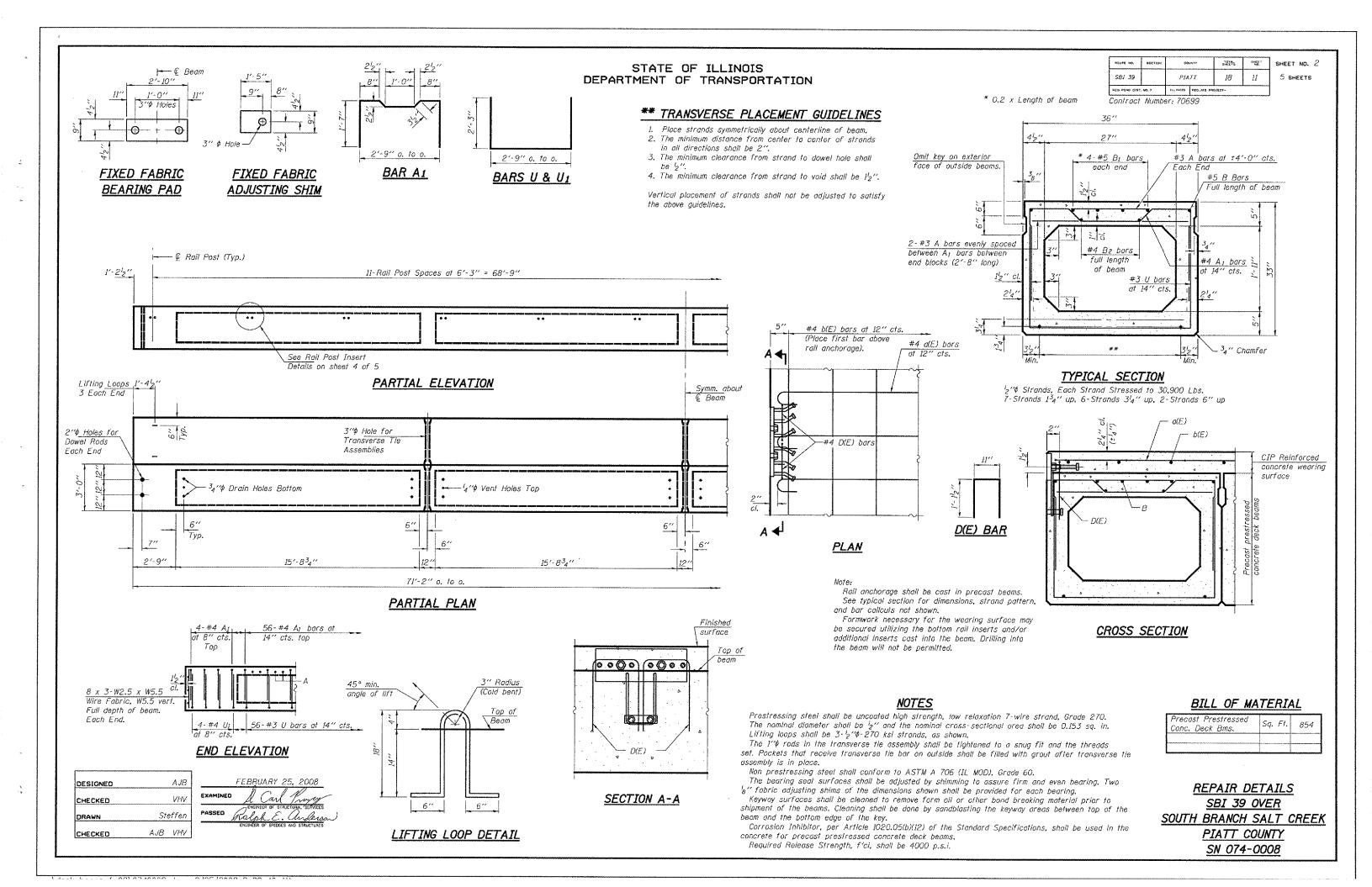
Beam 8 Beam 9

Beam 10

Ream 11

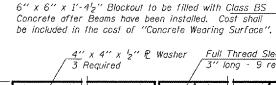
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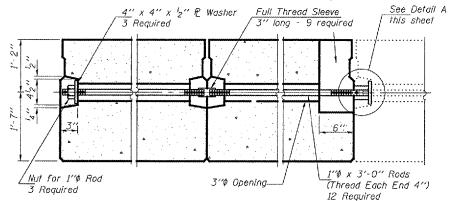
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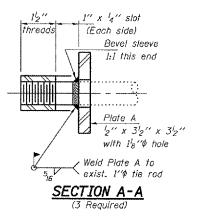


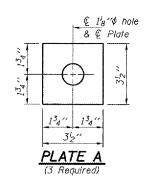
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FEO. ROAD DIST	. NO. 7	ILLINOIS	FEG. ASD PRO	oneat-			

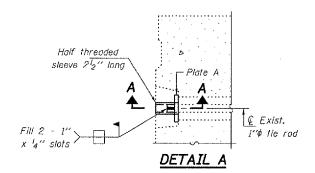
Contract Number: 70699



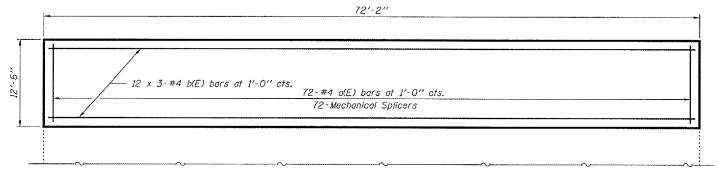




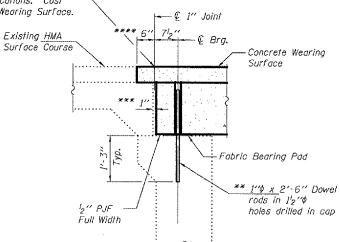




TYPICAL TRANSVERSE TIE ASSEMBLY



Saw cut after resurfacing. ${}^{l}_{4}$ " wide by ${}^{3}_{4}$ " deep. Seal with elastic joint sealer in accordance with Article 589 of the Standard Specifications. Cost included with Concrete Wearing Surface.



a(E) BAR

11'-10''

MIN. BAR LAPS

BILL OF MATERIAL

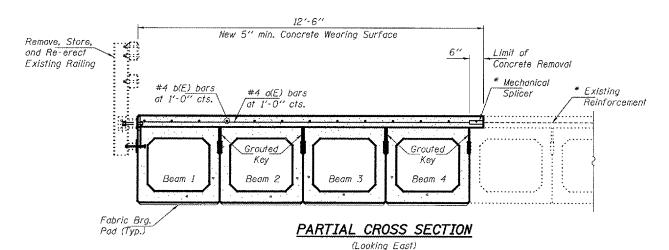
Bar	No.	Size	Length	Shape		
a(E)	72	#4	12'-4''	<u> </u>		
b(E)	36	#4	24'-10''			
	rcement Coatea		Pound	1190		
Concre	ete Rem	oval	Cu. Yd.	0.7		
Concre Surf a	te Wear ce	ing	Sq. Yd.	100.7		

Bars indicated thus 12 x 3-#4 etc. indicates 12 lines of bars with 3 lengths per line.

REPAIR DETAILS SBI 39 OVER SOUTH BRANCH SALT CREEK PIATT COUNTY

SN 074-0008

PARTIAL CONCRETE WEARING SURFACE PLAN



Showing Reinforcement

FEBRUARY 25, 2008 AJBDESIGNED VHV CHECKED PASSED Steffen DRAWN

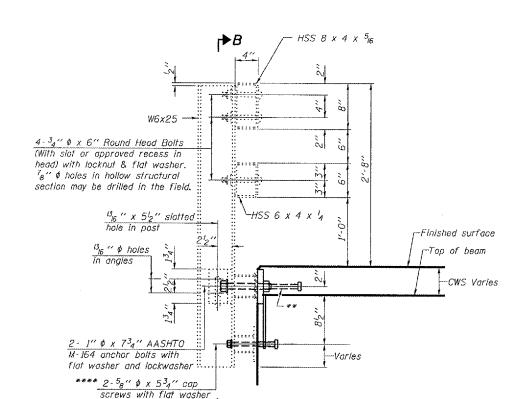
AJB VHV

CHECKED

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

TYPICAL SECTION AT ABUTMENT

- ** Existing dowel rods are to be burned off, ground flush, and sealed with epoxy prior to placement of new beams. Cost included in Removal of Existing PPC Deck Beams, After beams have been erected holes shall be drilled into cap and dowel rods placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure a minimum of 24 hours prior to grouting the shear keys.
- *** 1" Joint shall be filled with non-shrink grout. Dimension may vary to accommodate tolerance in beam lengths.
- **** Limits of HMA Surface Removal. Cost included with Concrete Removal



SECTION AT RAIL POST

SHEETS SHEET MO. SHEET NO. 4 SBI 39 18 13 5 SHEETS FEO. ROAD DIST. NO. 7 SELENDES FEO. AID PROJEC

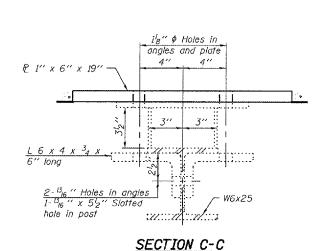
Contract Number: 70699

Notes:

All field drilled holes shall be coated with an approved zinc rich paint before erection.

Steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor



7₈″ ¢ Holes In post

€ Slotted holes

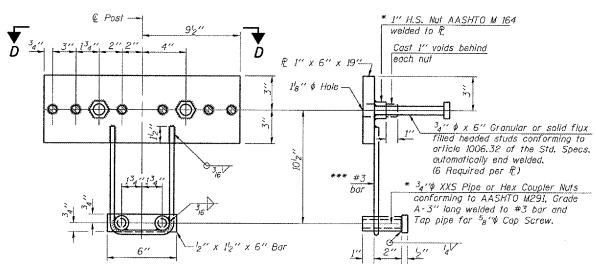
1316 " x 3" Slotted holes -

SECTION B-B

?-34" \$ x 34" H.S. bolts with hex nut &

flat washers

DESIGNED	AJB	FEBRUARY 2
CHECKED	VHV	EXAMINED & Carl
DRAWN	Steffen	PASSED Ralph E.
CHECKED	AJB VHV	ENGINEER OF BRIDGES

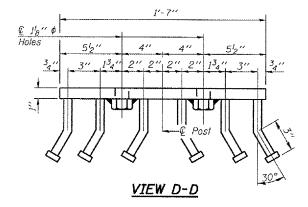


**** Field Drill into Existing Post

ANCHOR DEVICE

* Threaded areas shall be plugged or blocked off during casting of beam, Galvanized after fabrication.

*** Whenever the lower insert assemblies interfere with strand locations the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 12".



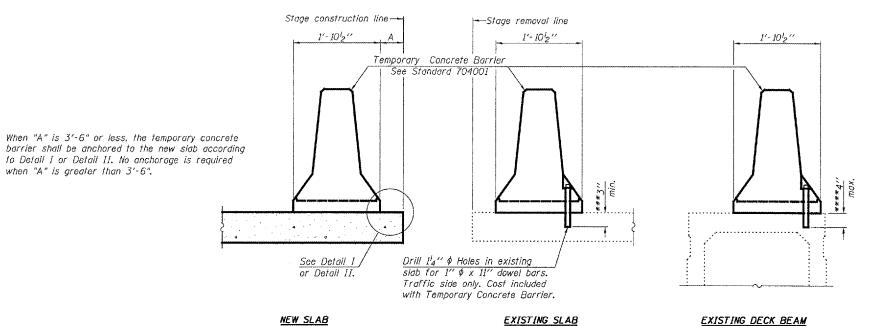
BILL OF MATERIAL

	Unit	Quantity
Removing & Re-erecting Existing Railing	Foot	73

REPAIR DETAILS SBI 39 OVER SOUTH BRANCH SALT CREEK PIATT COUNTY SN 074-0008

ROUTE NO. SECTION		COUNTY		TOTAL SHEET SHEETS NO.		SHEET NO. 5	
SBI 39		PIATT		18	<u>1</u> 4	5 SHEETS	
FED, ROAD DIST, NO. 7		(LEINOIS	NEOL AIG PROJECT				

Contract Number: 70699



NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel P to the top layer of couplers with 2-58" \$\phi\$ bolts screwed to coupler at approximate & of each barrier panel.

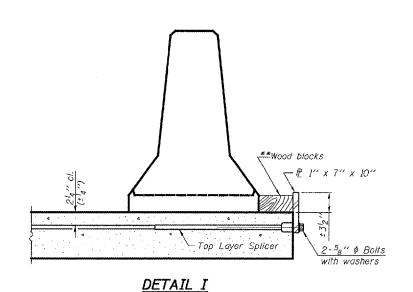
Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel & to the concrete slab or concrete wearing surface with 2-58"\$ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate & of each barrier panel.

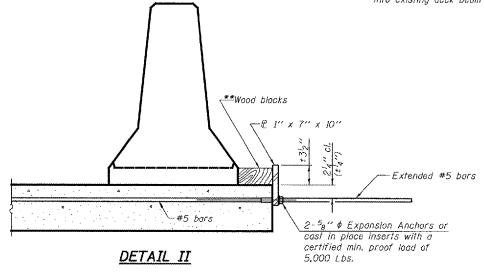
Cost of anchorage is included with Temporary Concrete Barrier. The I" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

SECTIONS THRU SLAB OR DECK BEAM

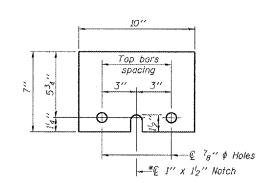
***Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

*****If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.





**Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.



STEEL RETAINER P 1" x 7" x 10"

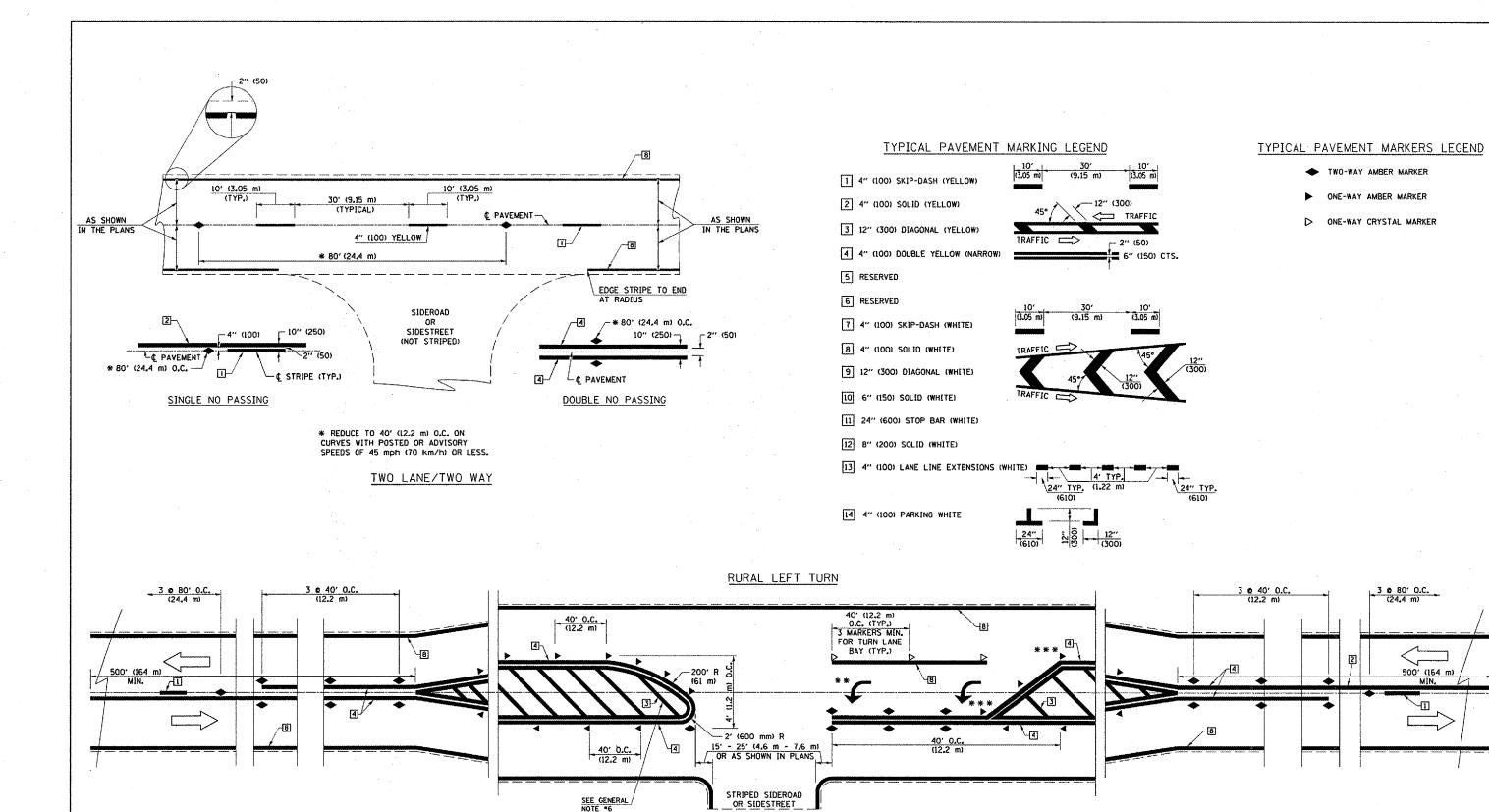
* Required only with Detail II

DESIGNED	AJB	FEBŖU
CHECKED	VHV	EXAMINED A
DRAWN	Steffen	PASSED Ralps
CHECKED	AJB VHV	ENGINÉER
R-27	5	9-3-07

when "A" is greater than 3'-6".

	FEBRUARY 25, 2008
EXAMINED	A Carl Prayey
PASSED	RECINEER OF STRUCTURAL SERVICES
	ENGINEER OF BRIDGES AND STRUCTURES

REPAIR DETAILS SBI 39 OVER SOUTH BRANCH SALT CREEK PIATT COUNTY SN 074-0008

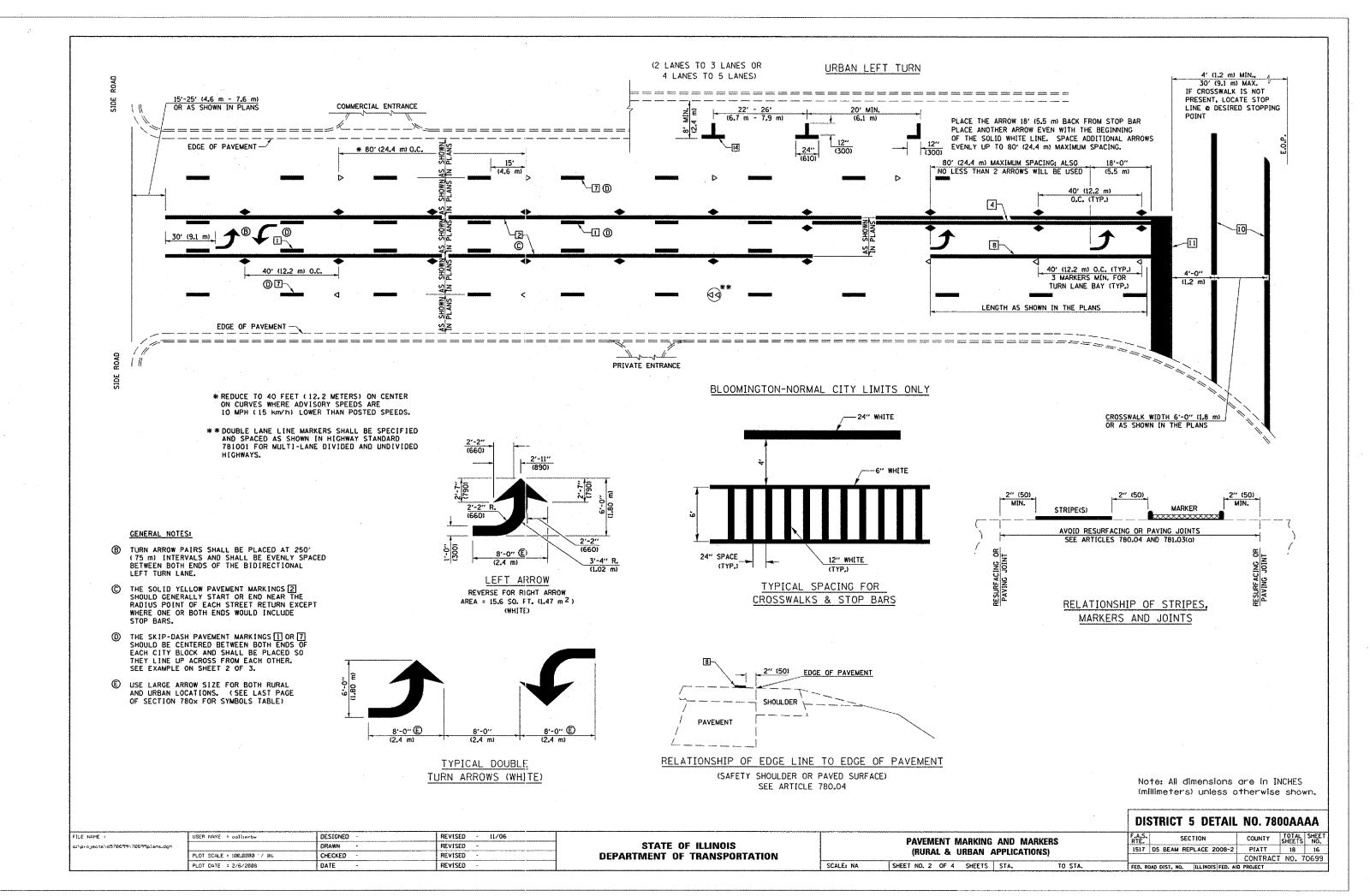


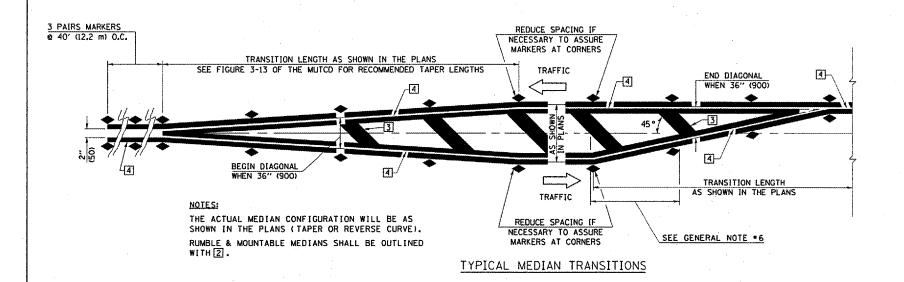
*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET *2.

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

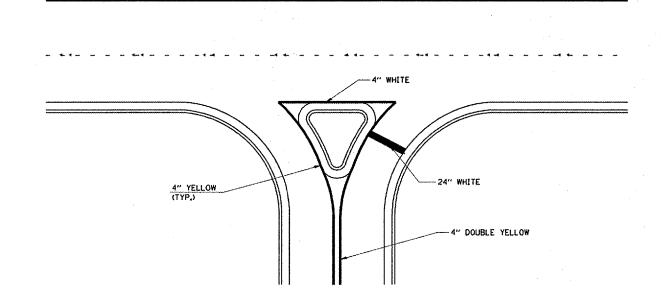
						DISTRICT 5 DETAIL NO. 7800AAAA
FILE NAME :	USER NAME = collierb*	DESIGNED -	REVISED - 11/06		DAVERSTAIT BEADVISIO AND BEADVEDO	F.A.S. SECTION COUNTY TOTAL SHEET
c:\projects\d570699\70699plans.dgn		DRAWN -	REVISED -	STATE OF ILLINOIS	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)	1517 D5 BEAM REPLACE 2008-2 PIATT 18 15
	PLOT SCALE = 100.00000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		CONTRACT NO. 70699
	PLOT DATE = 2/6/2008	DATE -	REVISED -		SCALE: NA SHEET NO. 1 OF 4 SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



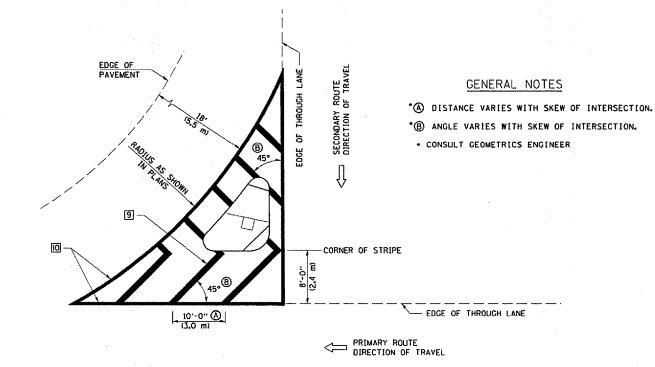


GENERAL NOTES

- 1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
- 2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
- 3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
- 4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
- 5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
- 6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING, <30 MPH USE 15' (<50 km/h USE 4.5 m) 30-45 MPH USE 20' (50-75 km/h USE 6.0 m) >45 MPH USE 30' (>75 km/h USE 9.0 m)



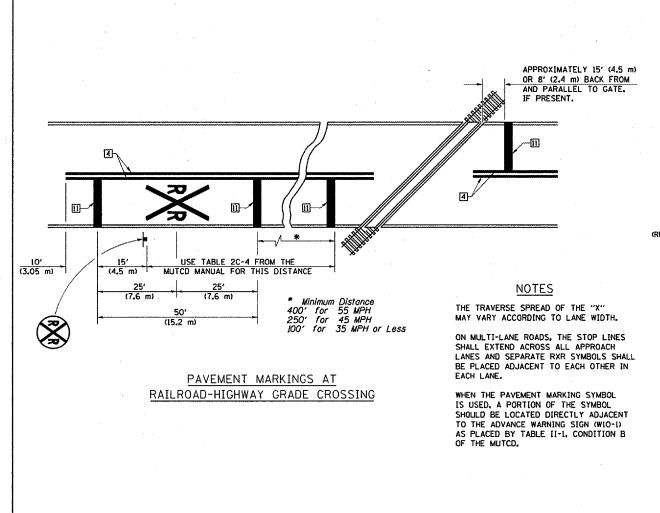
RIGHT IN - RIGHT OUT ACCESS



ISLAND

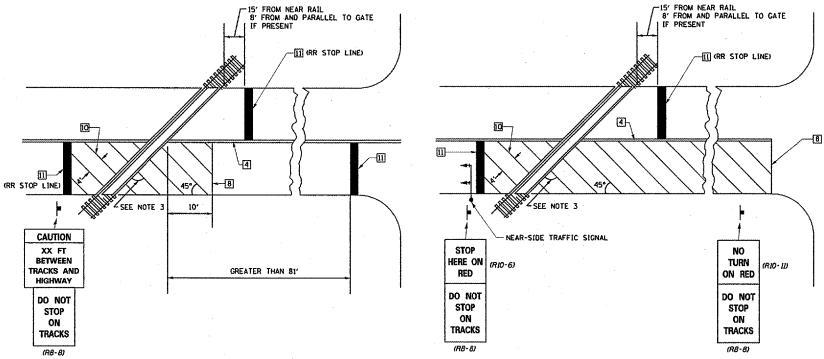
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

						DISTRICT 5 DETAIL	. NO. 7800AAAA
FILE NAME :	USER NAME = collierbw	DESIGNED -	REVISED - 11/06		PAVEMENT MARKING AND MARKERS	F.A.S. SECTION	COUNTY TOTAL SHEET
c:\projects\d570699\70699p]ans.dgn		DRAWN -	REVISED -	STATE OF ILLINOIS		1517 D5 BEAM REPLACE 2008-2	PIATT 18 17
	PLOT SCALE = 100.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	(RURAL & URBAN APPLICATIONS)	101. 03 02/3// 1/2/ 2/3/2 2/3/2	CONTRACT NO. 70699
	PLDI DATE = 2/6/2008	DATE -	REVISED -		SCALE: NA SHEET NO. 3 OF 4 SHEETS STA. TO STA.	FED, ROAD DIST, NO. ILLINOIS FED. AL	



RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

8' (2.4 m) OR AS DIRECTED BY THE ENGINEER. (6' 0) (AOO) LANE (LANE (L

GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- 2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- 3. WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

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

							DISTRICT 5 DETAIL NO. 7800AAAA
FILE NAME :	USER NAME = collierby	DESIGNED -	REVISED - 11/06			PAVEMENT MARKING AND MARKERS	F.A.S. SECTION COUNTY SHEETS NO.
c:\projects\d570699\70699plans.dgn		DRAWN -	REVISED -	STATE OF ILLINOIS			1517 O5 BEAM REPLACE 2008-2 PLATE 18 18
	PLOT SCALE = 100,0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	(RURAL & URBAN APPLICATIONS)		CONTRACT NO. 70699
	PLOT DATE = 2/6/2008	DATE -	REVISED -		SCALE: NA	SHEET NO. 4 OF 4 SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT