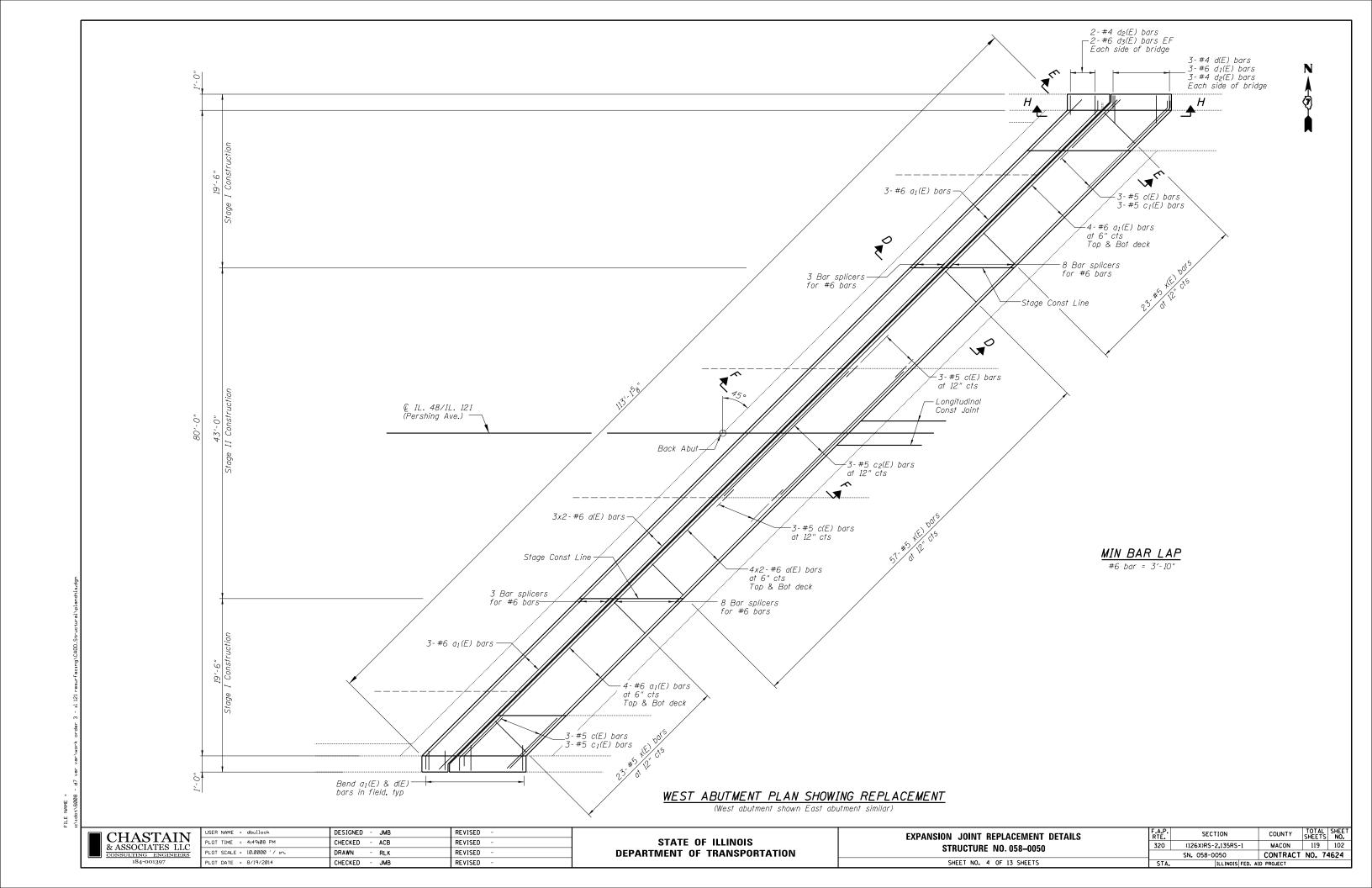
CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS 184-001397

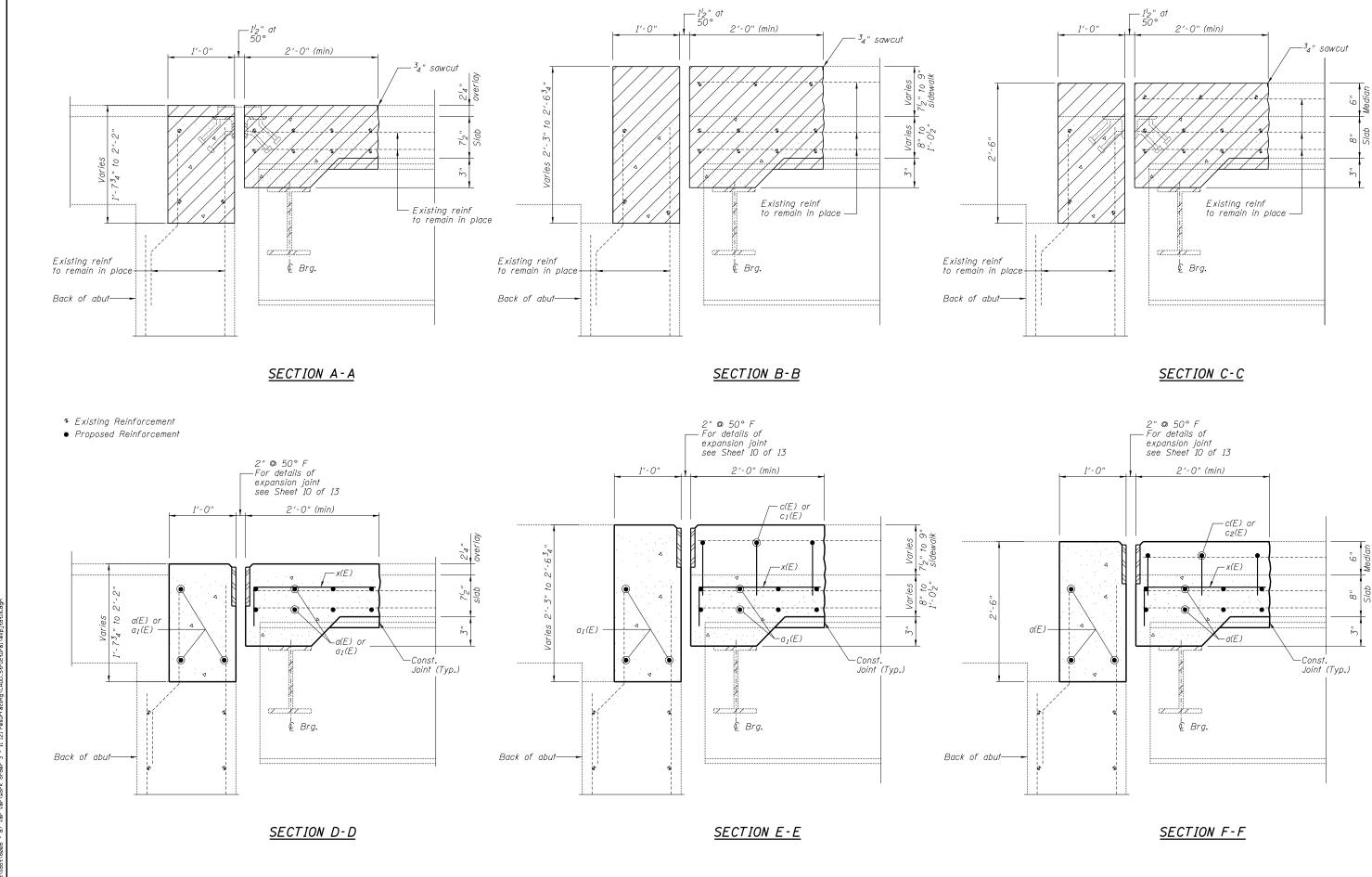
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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** STRUCTURE NO. 058-0050 SHEET NO. 3 OF 13 SHEETS

COUNTY TOTAL SHEET NO.

MACON 119 101 F.A.P. RTE. 320 (126X)RS-2,135RS-1 CONTRACT NO. 74624 SN. 058-0050



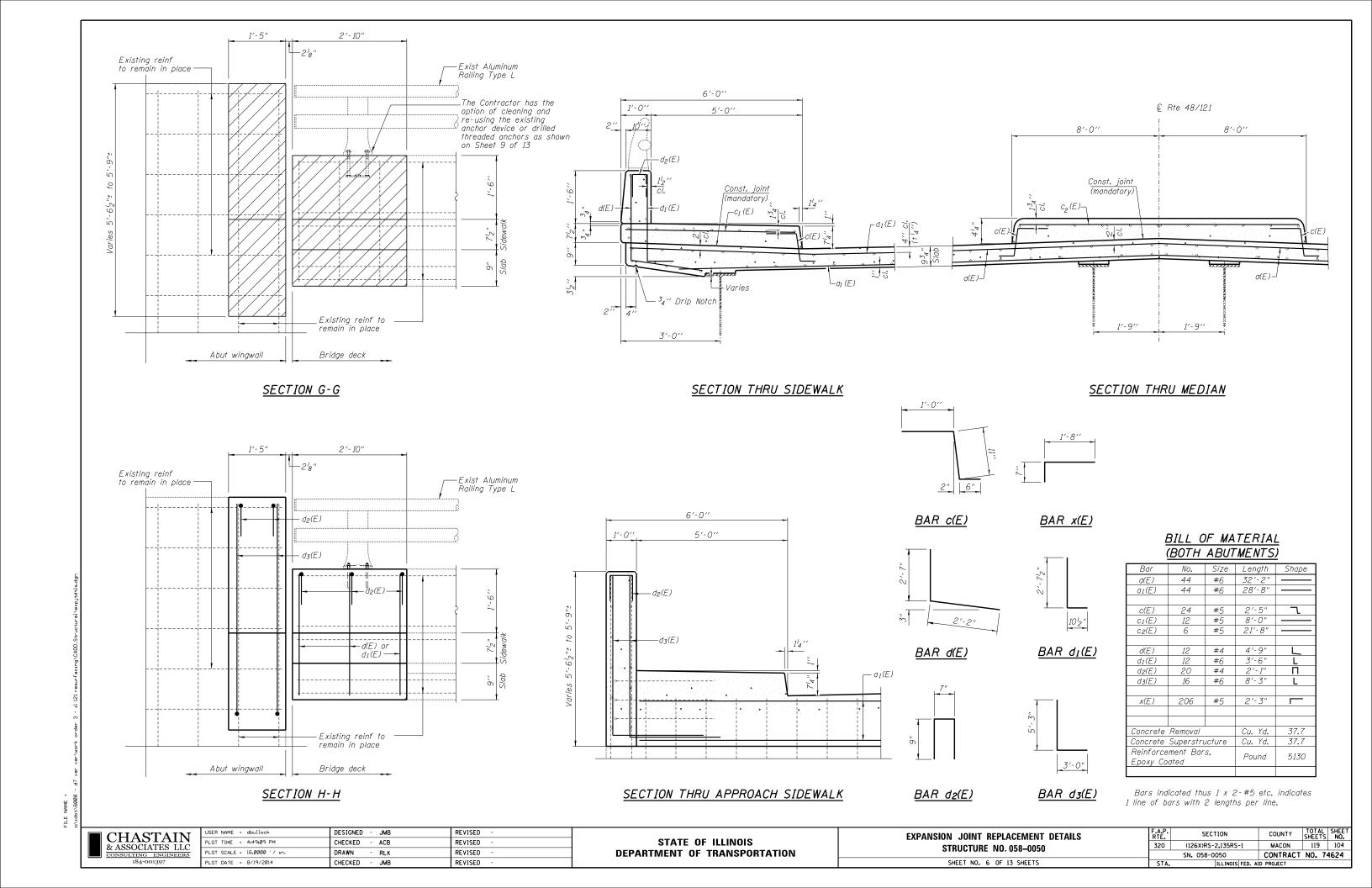


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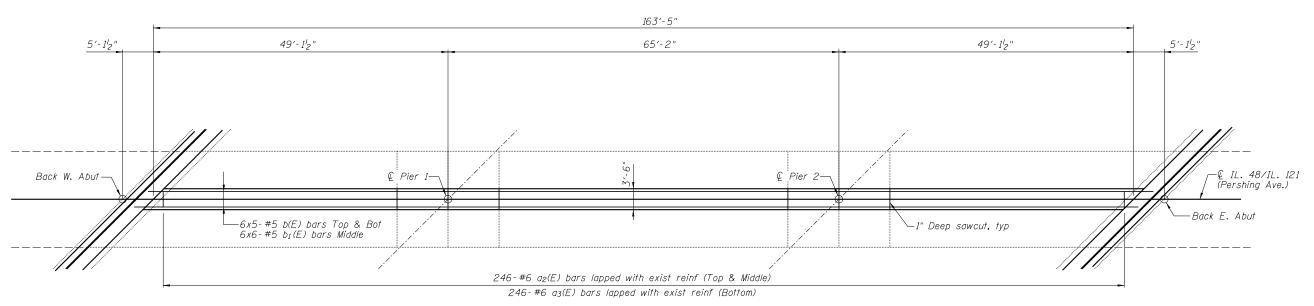
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION EXPANSION JOINT REPLACEMENT DETAILS
STRUCTURE NO. 058-0050

SHEET NO. 5 OF 13 SHEETS



DECK PLAN SHOWING LONGITUDINAL JOINT REMOVAL - STAGE II

MIN BAR LAP #5 bar = 2'-6"



DECK PLAN SHOWING LONGITUDINAL JOINT RECONSTRUCTION - STAGE II

Hatched areas indicate concrete sections to be be saw cut ${}^3\!4''$ prior to the removal of the concrete.

Existing reinforcement shall be cleaned and incorporated into the new construction.

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PLOT DATE = 8/19/2014	CHECKED - JMB	REVISED -

LONGITUDINAL JOINT REPLACEMENT DETAILS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 058-0050	320	(126X)RS-2,135RS-1	MACON	119	105
0111001011E 140: 030 0030		SN. 058-0050	CONTRACT	NO. 7	4624
SHEET NO. 7 OF 13 SHEETS	STA.	ILLINOIS FED. AI	D PROJECT		

3'-2" 4'-6"

BAR a₃(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a ₂ (E)	492	#6	3'-2"	
a3(E)	246	#6	4'-6"	ى
b(E)	60	#5	35′-0"	
b1(E)	36	#5	29′-8"	
Concrete Removal			Cu. Yd.	24.8
Concrete Superstructure			Cu. Yd.	24.8
Reinforcement Bars, Epoxy Coated			Pound	7310
Structural Repair of Concrete (Depth > 5")			Sq. Ft.	338
Structural Repair of Concrete (Depth =< 5")			Sq. Ft.	150

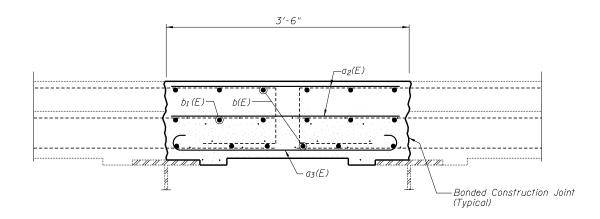
Bars indicated thus 1 x 2-#5 etc. indicates 1 line of bars with 2 lengths per line.

Note:

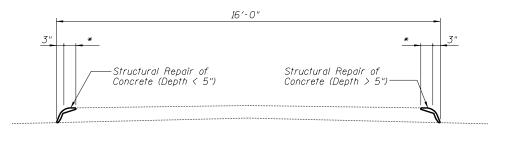
Hatched areas indicate concrete sections to be be saw cut $\frac{3}{4}$ " prior to the removal of the concrete. Existing reinforcement shall be cleaned and incorporated into the new construction.

Saw cuts in existing median near piers shall be extended through new median section.

EXISTING MEDIAN LONGITUDINAL JT. CROSS SECTION



RECONSTRUCTED MEDIAN LONGITUDINAL JOINT



Quantity of repairs are estimated based on a visual survey and does not limit the amount of repair required as directed by the Engineer.

* Width as directed by the Engineer.

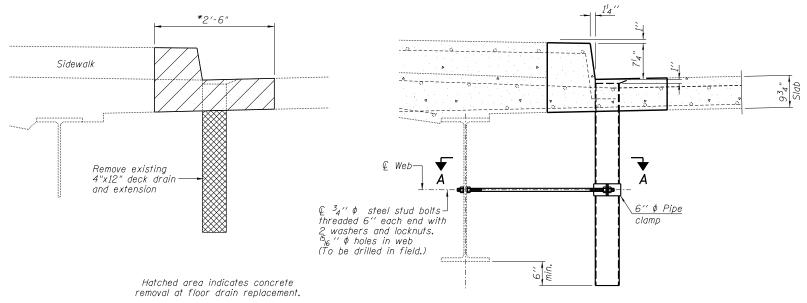
BRIDGE MEDIAN REPAIR

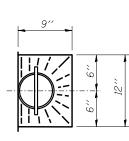
(Looking West)

CHASTAIN & ASSOCIATES LLC

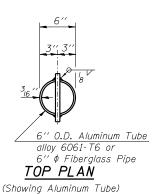
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PLOT DATE = 8/19/2014	CHECKED - JMB	REVISED -

F.A.P. RTE.	SECT	ION			COUNTY	TOTAL SHEETS	SHEE1
320	(126X)RS-	2,135RS	-1	Т	MACON	119	106
	SN. 058-0	050		Т	CONTRACT	NO. 7	4624
STA.		ILLINOIS	FED.	AII	PROJECT		





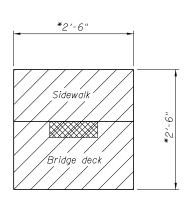
TOP PLAN



BILL OF MATERIAL

Item	Unit	Total
Floor Drains	Each	22
Deck Slab Repair (Full Depth Type II)	Sq. Yd.	15.4

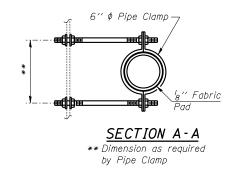
SECTION THRU EXISTING FLOOR DRAIN

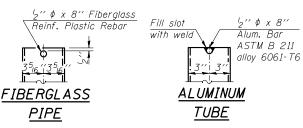


PLAN AT DECK DRAIN REMOVAL

* Concrete removal and replacement dimensions shall be determined by the Engineer based on the extent of deck deterioration of each drain.

DRAIN REPLACEMENT DETAIL





Notes:

The exterior surfaces of the floor drains shall be cleaned and painted as specified in Section 506 of the Standard Specifications.

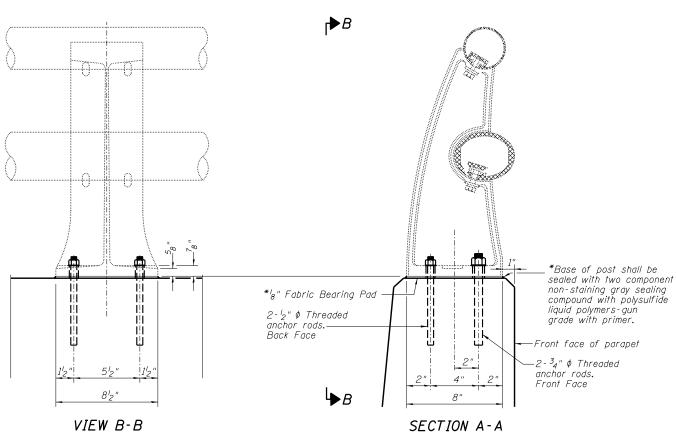
Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.

Galvanize clamping device according to AASHTO M232. Cost of clamping device and inserts is included with Floor Drains.

See Sheet 1 of 13 for floor drain replacement locations.

Concrete removal and replacement quantities for floor drains are included in Deck Slab Repair (Full Depth Type II).

Existing reinforcement in the removal area shall be cleaned and straightened and incorporated into the new construction.



RAIL POST DETAILS

* New Rail Post anchorage devices will be required at each location where posts are connected to new construction when existing anchorage devices cannot be salvaged.

Cost shall be included with Concrete Superstructure.

Notes:

The Contractor shall drill and set stainless steel anchor rods (ASTM A193, B7 or equivalent), according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturers specifications.

All Posts shall be normal to parapet.

Provide $1^{-}l_{8}$ " and $2^{-}l_{6}$ " Aluminum Shims for the Posts. Horizontal rail element & rail posts shown are for information only.

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& ASSOCIATES LLC
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184-001397

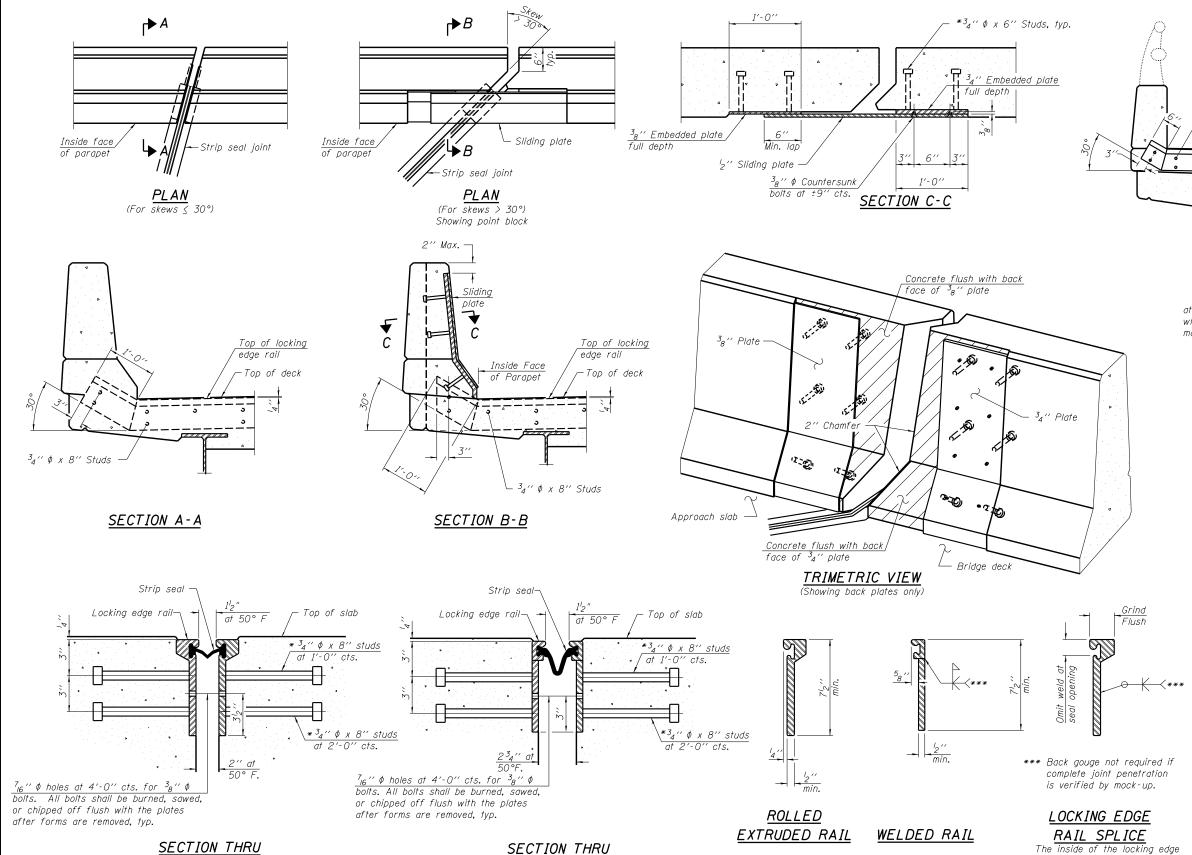
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 PLOT DATE
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



<u>SECTION THRU</u> ROLLED RAIL JOINT

<u>SECTION THRU</u> <u>WELDED RAIL JOINT</u>

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded. The inside of the locking edge rail groove shall be free of weld residue.

Rolled rail shown, welded rail similar.

LOCKING EDGE RAILS

TYPICAL END TREATMENT AT SIDEWALK OR MEDIAN

 3_4 " ϕ x 8" Studs

Top of sidewalk

or median

Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of '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.

Top of locking

edge rail

The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.

The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications. Maximum space between rail segments shall be $^{3}_{16}$ ', sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

Parapet plates and anchorage studs for skews > 30° included in the cost of Preformed Joint Strip Seal.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	235

& ASSOCIATES LLC CONSULTING ENGINEERS 184-001397

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

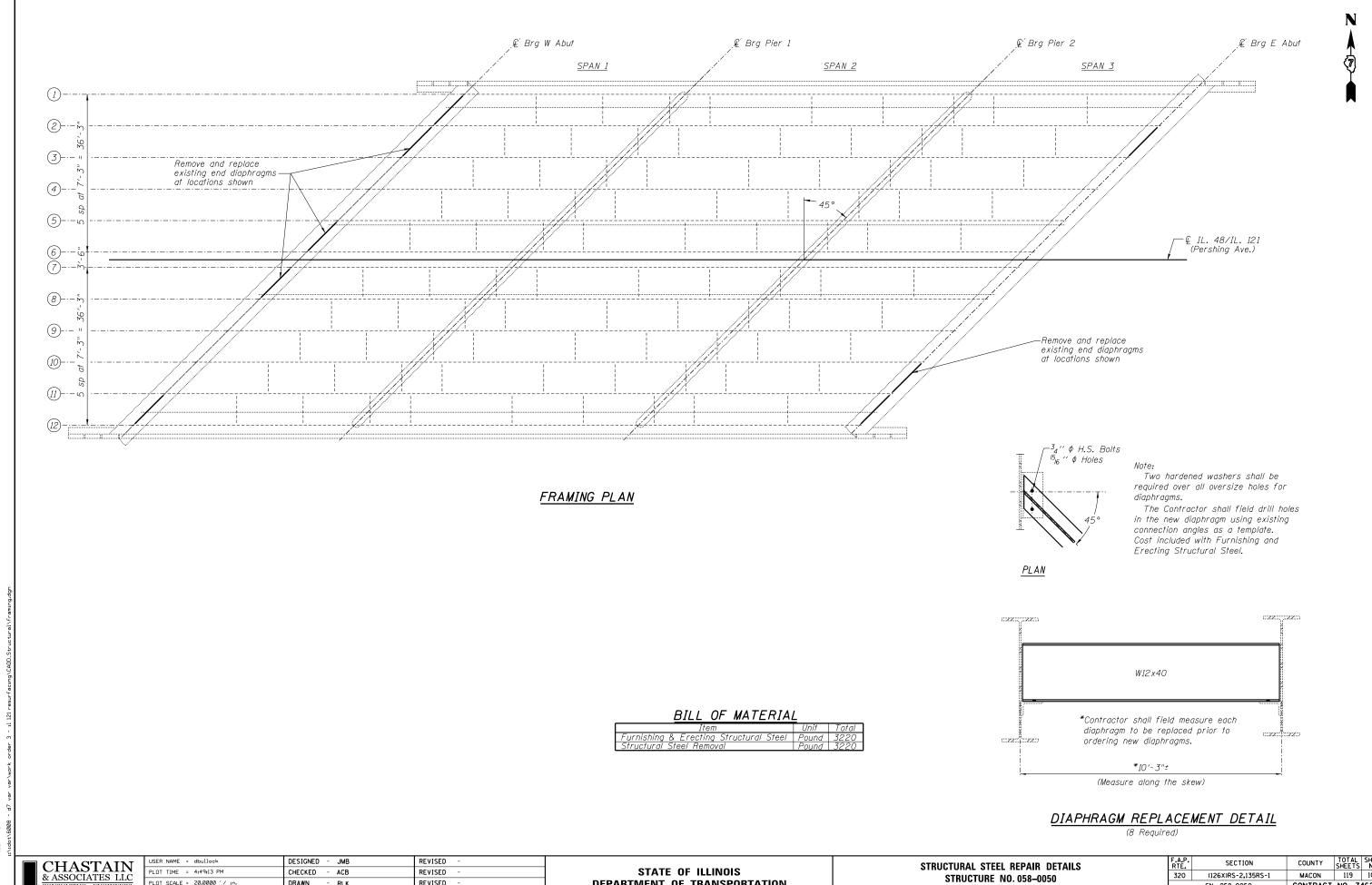
PREFORMED JOINT STRIP SEAL STRUCTURE NO. 058-0050

SHEET NO. 10 OF 13 SHEETS

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS NO. 320 (126X)RS-2,135RS-1 MACON 119 108

SN. 058-0050 CONTRACT NO. 74624

STA. ||ILLINOIS|FED. AID PROJECT



STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

COUNTY

MACON 119 109

CONTRACT NO. 74624

320

(126X)RS-2,135RS-1

SN. 058-0050

STRUCTURAL STEEL REPAIR DETAILS

STRUCTURE NO. 058-0050

SHEET NO. 11 OF 13 SHEETS

PLOT TIME = 4:49:13 PM

PLOT DATE = 8/19/2014

PLOT SCALE = 20.0000 '/ in.

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STANDARD BAR SPLICER ASSEMBLY

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

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

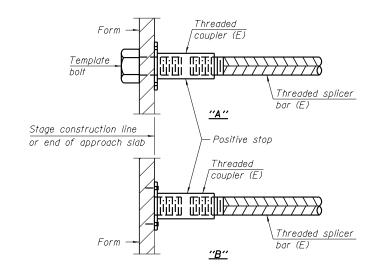
Table 5: Epoxy bar, Class C

Table 6: Epoxy bar, Top bar top, Class C

Threaded splicer bar length = min. lap length + $1\frac{1}{2}$ " + thread length

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

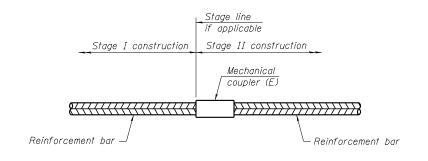
l ocation	Bar	No. assemblies	Table for minimum
Locurion	size	required	lap length
West Abutment	#6	22	Table 3
East Abutment	#6	22	Table 3



INSTALLATION AND SETTING METHODS

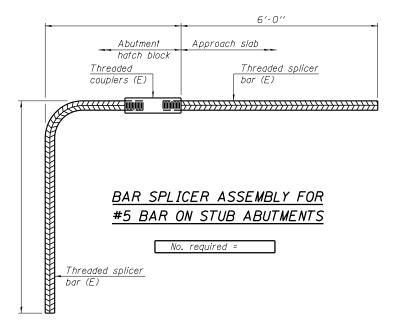
"A": Set bar splicer assembly by means of a template bolt. "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E): Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



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

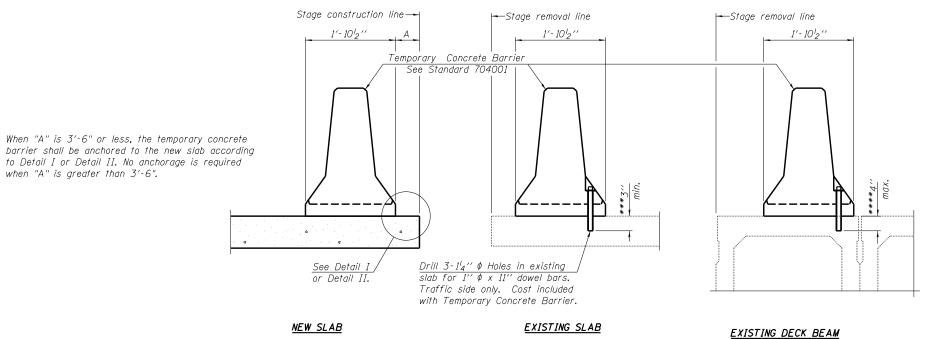
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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS STRUCTURE NO. 058-0050 SHEET NO. 12 OF 13 SHEETS

SECTION COUNTY MACON 119 110 320 (126X)RS-2,135RS-1 SN. 058-0050 CONTRACT NO. 74624



NOTES

Detail I - With Bar Splicer or Couplers: Connect one (1) 1" x 7" 'x "W" steel P to the top layer of couplers with $2^{-5}8'' \phi$ bolts screwed to coupler at approximate © of each barrier panel.

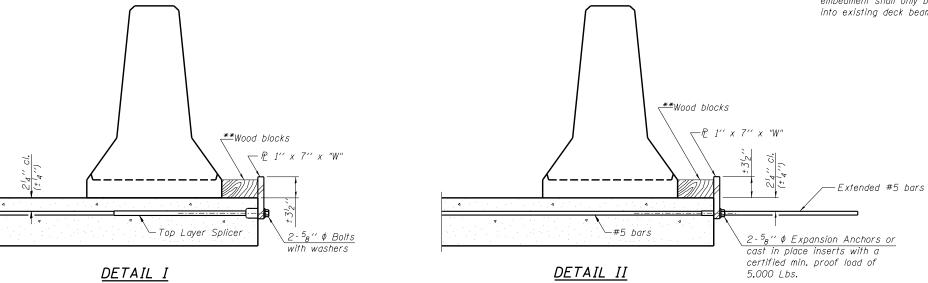
Detail II - With Extended Reinforcement Bars:

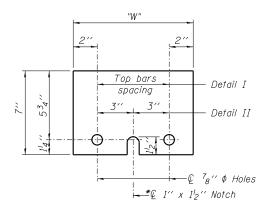
Connect one (1) 1" x 7" x "W" steel P to the concrete slab or concrete wearing surface with $2^{-\frac{5}{8}}$ " ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate & of each barrier panel.

Cost of anchorage is included with Temporary Concrete Barrier. The I'' x 7'' x ''W'' 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.





STEEL RETAINER P 1" x 7" x "W" * Required only with Detail II

** 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,

"W" = Top bars spacing + 4"

R-27

CHASTAIN & ASSOCIATES LLC

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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION STRUCTURE NO. 058-0050 SHEET NO. 13 OF 13 SHEETS

SECTION COUNTY 320 (126X)RS-2.135RS-1 MACON 119 111 SN. 058-0050 CONTRACT NO. 74624 ILLINOIS FED. AID PROJECT

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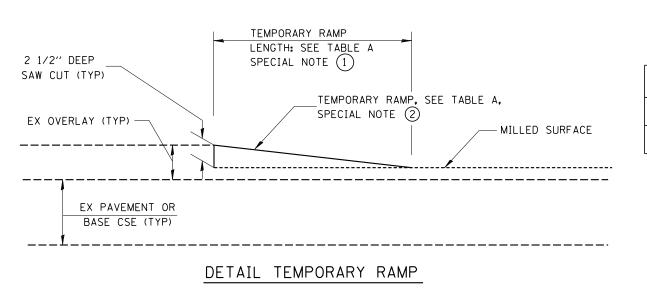
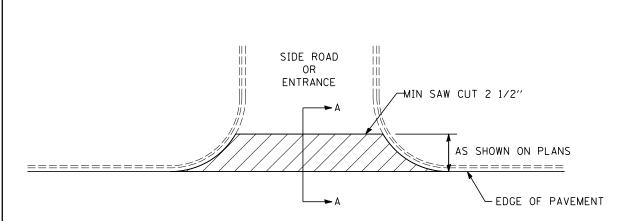


TABLE A
(LENGTHS AND TAPER RATES)

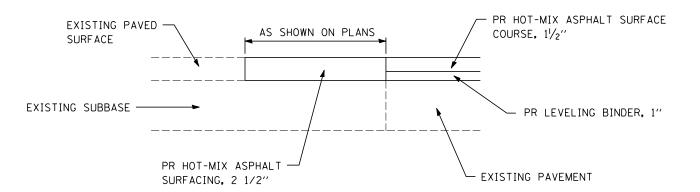
SPECIAL NOTE NUMBER	ELEMENT	RATE/LENGTH
1)	TEMPORARY RAMP TAPER RATE	1:40
2	TEMPORARY RAMP LENGTH	8 . 33′

GENERAL NOTES

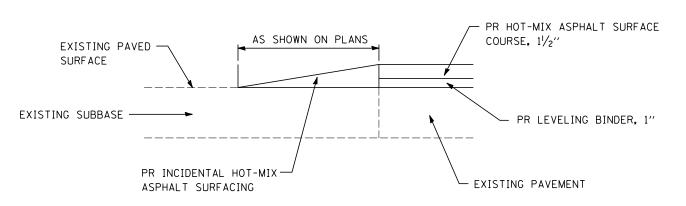
- THIS WORK SHALL BE DONE IN ACCORDANCE WITH ARTICLE 406.08, AND THE DETAILS IN THE PLANS.
- 2. THE PAVEMENT SURFACE TO BE REMOVED MAY BE EITHER HOT-MIX ASPHALT OR P.C. CONCRETE. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH ARTICLE 440.04 AND THE DETAILS IN THE PLANS.
- 3. THE SAW CUT JOINTS SHALL BE PRIMED JUST PRIOR TO THE PLACING OF BITUMINOUS MATERIAL. THIS WORK WILL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF ARTICLE 406.05.



PLAN - SIDE ROAD AND ENTRANCE IMPROVEMENTS



SECTION A-A (SIDE ROAD)

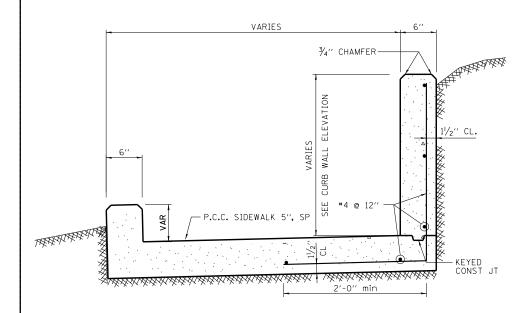


SECTION A-A (ENTRANCE)



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"

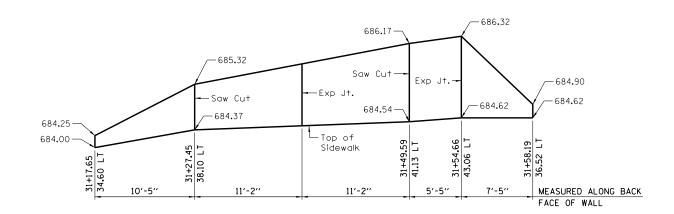
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		CHECKED -	JMB	REVISED -	DEPARTMENT OF TRANSPORTATION			I AI J2	•					CONTRAC	T NO. 74624
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CONCRETE CURB WALL

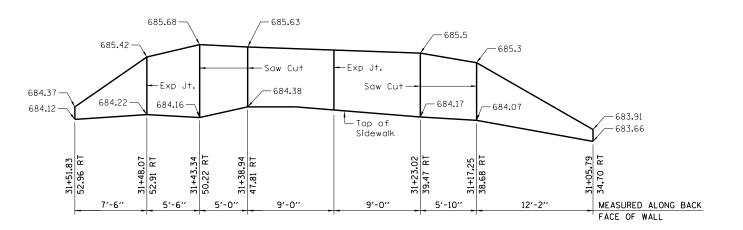
NOT TO SCALE

- REINFORCING BARS SHALL BE EPOXY COATED AND SHALL BE FURNISHED IN CONFORMANCE WITH SECTION 508. COST TO FURNISH AND PLACE REINFORCING BARS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SOUARE FOOT OF PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL.
- 2. THE CURB WALL AND SIDEWALK PORTIONS OF PCC SIDEWALK 5 INCH SPECIAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 503 (FOR WALL AND REINFORCING BAR PLACEMENT) AND SECTION 424 FOR THE SIDEWALK SLAB PORTION.
- 3. EXPANSION JOINTS CONSISTING OF $\frac{1}{2}$ " PJF SHALL BE USED ON THE WALLS AT THE DESIGNATED LOCATIONS ON WALL ELEVATION DETAILS. LONGITUDINAL REINFORCEMENT BARS SHALL STOP 2" PRIOR TO THE EXPANSION JOINTS.
- 4. CURB WALLS SHALL BE SAW CUT AT A MINIMUM DEPTH OF 1" AT THE DESIGNATION LOCATIONS ON WALL ELEVATION DETAILS.



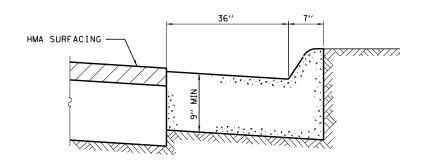
CURB WALL ELEVATION

(VICKI DR. - NW QUADRANT)



CURB WALL ELEVATION

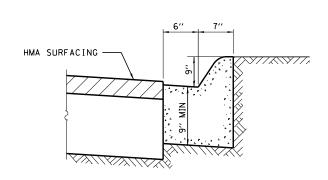
(VICKI DR. - SW QUADRANT)



COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL)

NOT TO SCALE

1. CURB AND GUTTER SHALL CONFORM TO HIGHWAY STANDARD 606001 EXCEPT AS NOTED ABOVE.

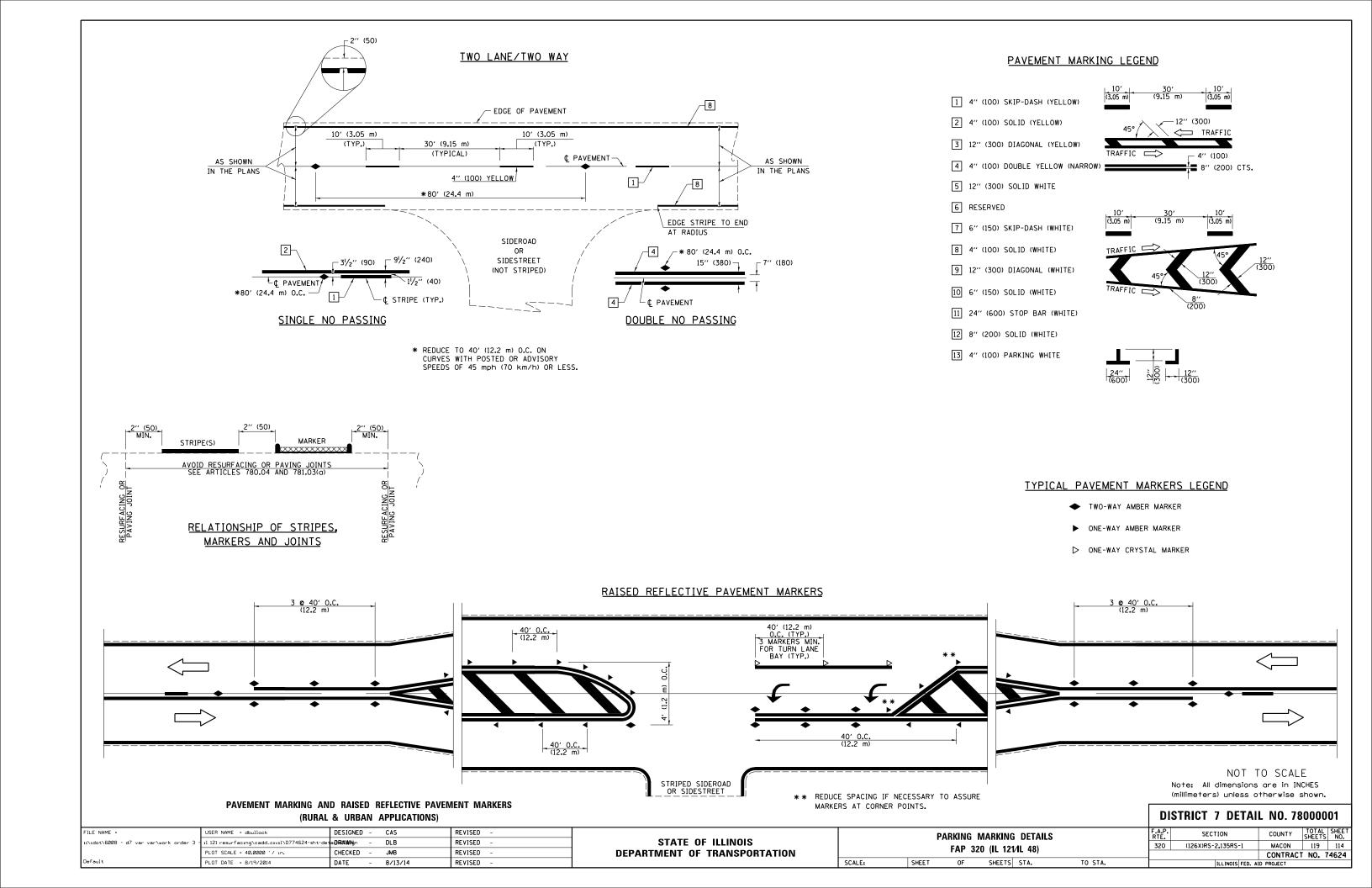


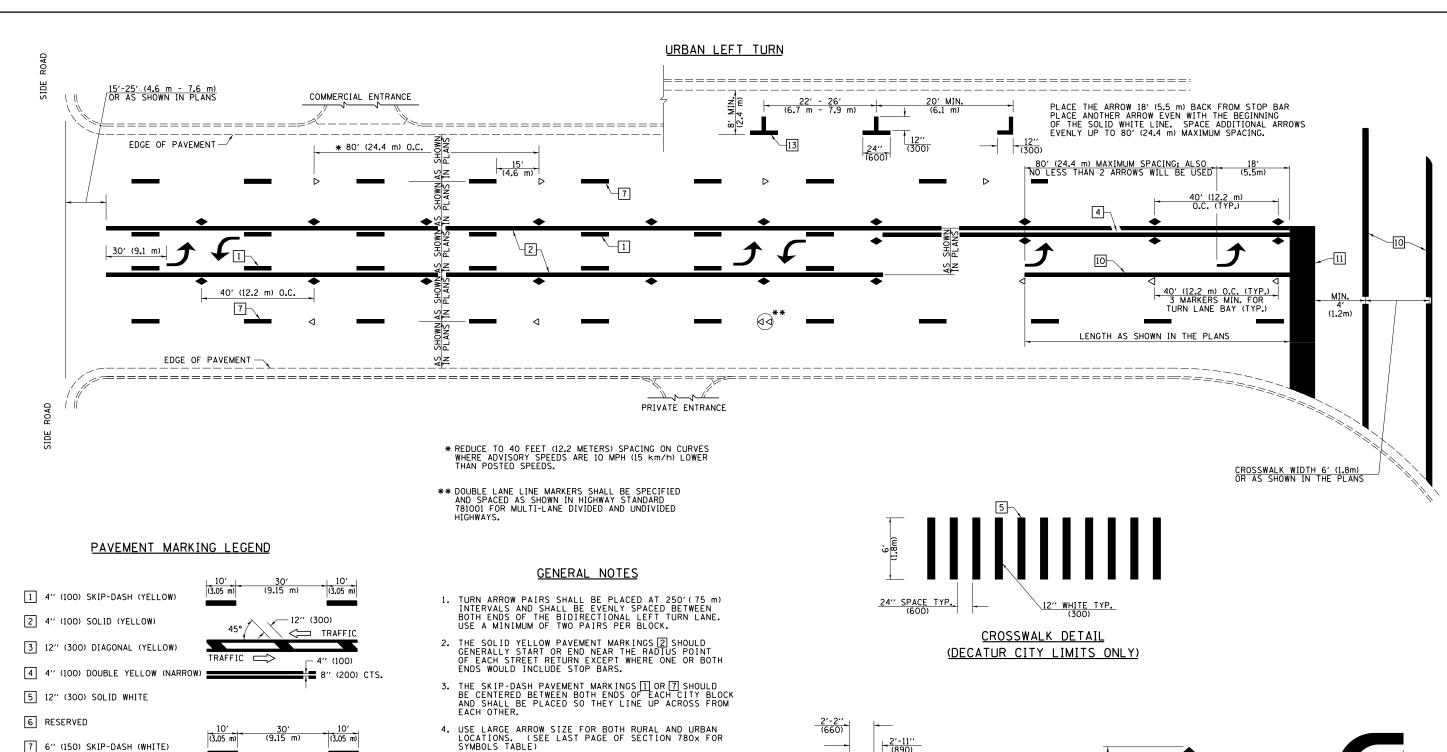
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.06 (SPECIAL)

NOT TO SCALE

1. CURB AND GUTTER SHALL CONFORM TO HIGHWAY STANDARD 606001 EXCEPT AS NOTED ABOVE.

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Default	PLOT DATE = 8/20/2014	DATE -	8/13/14	REVISED -								ILLINOIS FE	. AID PROJECT							







7 6" (150) SKIP-DASH (WHITE)

8 4" (100) SOLID (WHITE) 9 12" (300) DIAGONAL (WHITE)

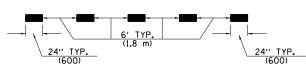
10 6" (150) SOLID (WHITE)

12 8" (200) SOLID (WHITE)

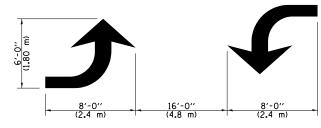
13 4" (100) PARKING WHITE

11 24" (600) STOP BAR (WHITE)

5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.



LANE LINE EXTENSIONS



TYPICAL DOUBLE TURN ARROWS (WHITE)

NOT TO SCALE

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

PAVEMENT	MARKING	AND	RAISED	REFLECTIVE	PAVEMENT	MARKERS
	(RUI	RAL &	URBAN	APPLICATIO	NS)	

2'-2"

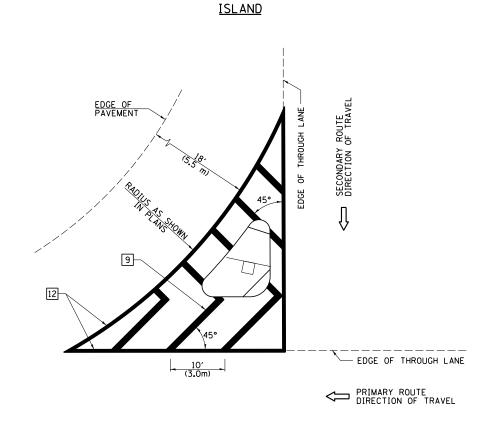
LEFT ARROW

REVERSE FOR RIGHT ARROW

AREA = 15.6 SQ. FT. (1.47 m^2)

(WHITE)

					PRTATION FAP 320 (IL 121/IL 48) S20 (IL 121/IL 48) CONTRACT		000001				
FILE NAME =	USER NAME = dbullock	DESIGNED - CAS	REVISED -			PAVEMENT MARKING	C DETAILS	F.A.P.	SECTION	COUNTY	TOTAL SHEET
1:\1dot\6008 - d7 var var\work order 3 -	ıl 121 resurfacıng\cadd_civil\D774624-sht-de	t⇔ ORÆWN g∩ – DLB	REVISED -	STATE OF ILLINOIS				320	(126X)RS-2.135RS-1	MACON	119 115
	PLOT SCALE = 40.0000 '/ in.	CHECKED - JMB	REVISED -	DEPARTMENT OF TRANSPORTATION		FAP 320 (IL 121	/IL 48)				NO. 74624
Default	PLOT DATE = 8/19/2014	DATE - 8/13/14	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.		ILLINOIS FED. A		



\<u>8</u>

4

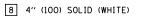
500' (164 m) MIN. NO PASSING ZONE 8

PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW) 3 12" (300) DIAGONAL (YELLOW)



- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)



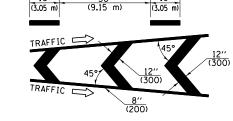
9 12" (300) DIAGONAL (WHITE)

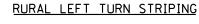
10 6" (150) SOLID (WHITE)

11 24" (600) STOP BAR (WHITE)

12 8" (200) SOLID (WHITE)

13 4" (100) PARKING WHITE





GENERAL NOTES

2. SOME OF THE INFORMATION INCLUDED WITH THIS

PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

THE DIAGONAL PAVEMENT MARKING SPACING:

<30 MPH (<50 km/h)
30-45 MPH (50-75 km/h
>45 MPH (>75 km/h

1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH 2 IF PRESENT.

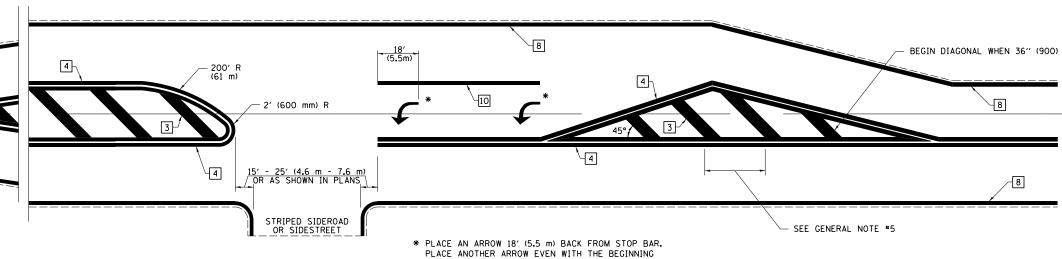
DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.

4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.

5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING

15' (4.5 m)

20' (6.0 m) 30' (9.0 m)



PLACE AN ARROW 16 (3.5 III) BACK FROM STOP BAR.
PLACE ANOTHER ARROW EVEN WITH THE BEGINNING
OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS
EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING.
USE MINIMUM OF 2 ARROWS.

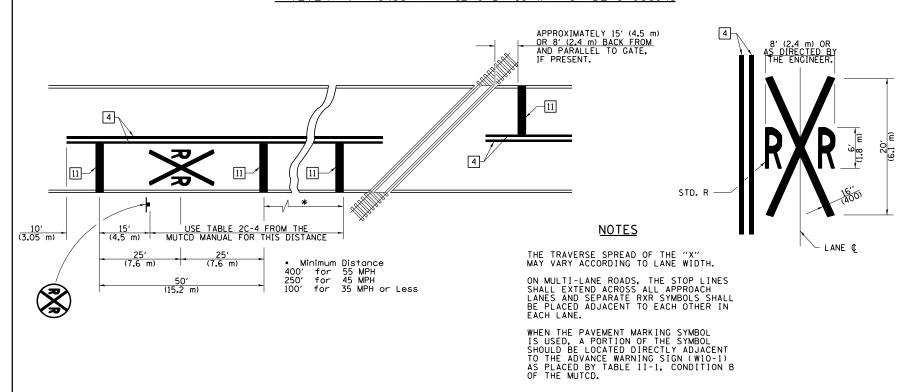
NOT TO SCALE

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

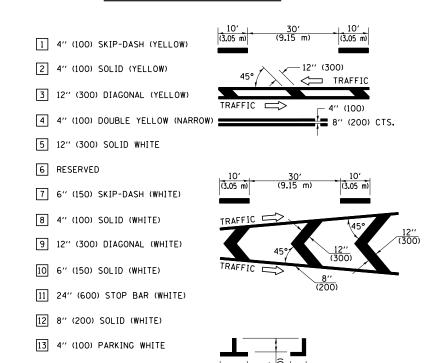
PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS	
(RURAL & URBAN APPLICATIONS)	DISTRICT 7 DETAIL NO. 78000001

														<u> </u>
FILE NAME =	USER NAME = dbullock	DESIGNED - CAS	REVISED -			P/	VEMENT	MARKING	DETAILS		F.A.P.	SECTION	COUNTY	TOTAL SHEET
1:\1dot\6008 - d7 var var\work order 3 -	ıl 121 resurfacıng\cadd_civil\D774624-sht-de	oto-0-6242WAgn – DLB	REVISED -	STATE OF ILLINOIS		.,					320	(126X)RS-2.135RS-1	MACON	119 116
	PLOT SCALE = 40.0000 ' / in.	CHECKED - JMB	REVISED -	DEPARTMENT OF TRANSPORTATION			FAP 32	20 (IL 121/II	L 48)					T NO. 74624
Default	PLOT DATE = 8/19/2014	DATE - 8/13/14	REVISED -		SCALE:	SHEET	OF	SHEETS S	STA.	TO STA.		TILLINOIS FED. A	AID PROJECT	

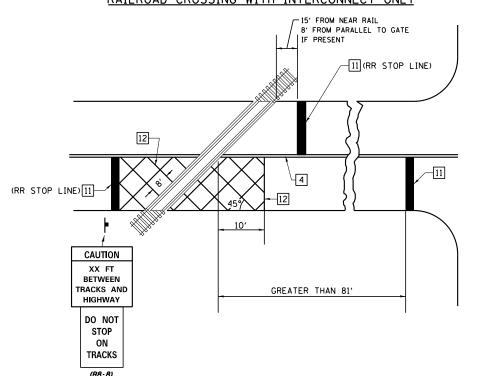
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



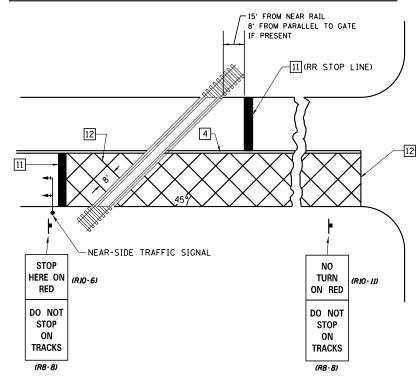
PAVEMENT MARKING LEGEND



RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



GENERAL NOTES

- 1. 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.

TO STA.

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

NOT TO SCALE Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(126X)RS-2,135RS-1	MACON	119	117
		CONTRACT	NO 7	14624

DISTRICT 7 DETAIL NO. 78000001

FILE NAME =	USER NAME = dbullock	DESIGNED	-	CAS	REVISED	=
1:\1dot\6008 - d7 var var\work order 3 -	ıl 121 resurfacıng\cadd_cıvıl\D774624-sht-det	o.DFXXXWNg∩	-	DLB	REVISED	=
	PLOT SCALE = 40.0000 '/ in.	CHECKED	-	JMB	REVISED	-
Default	PLOT DATE = 8/19/2014	DATE	-	8/13/14	REVISED	-

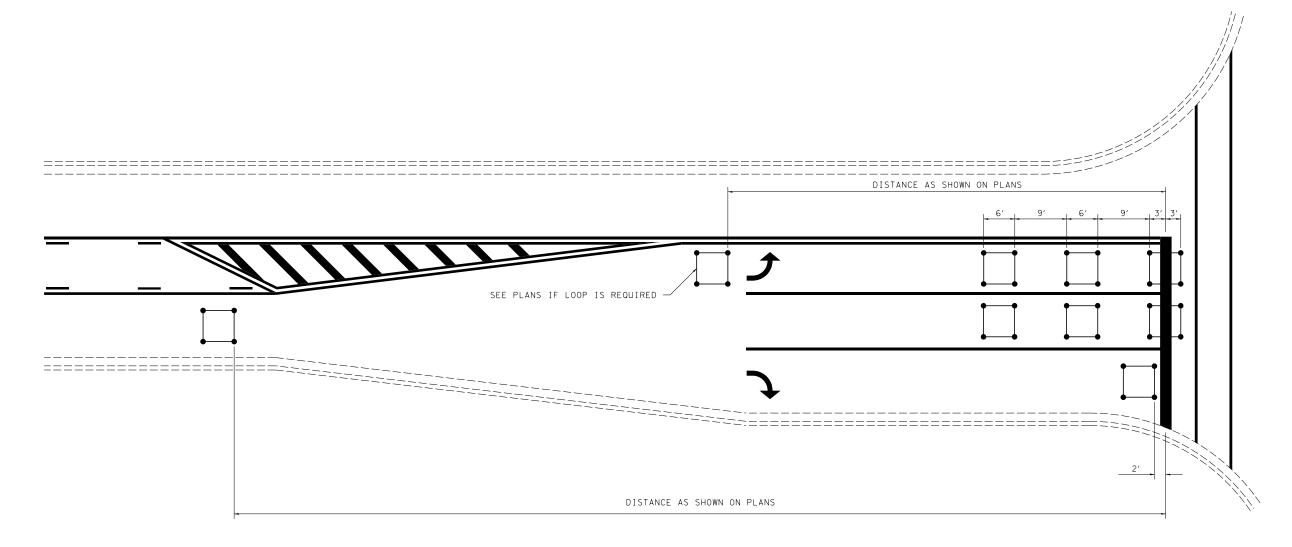
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS FAP 320 (IL 121/IL 48) SHEETS STA. SHEET

SCALE:

ILLINOIS FED. AID PROJECT

TYPICAL APPLICATION OF DETECTOR LOOPS

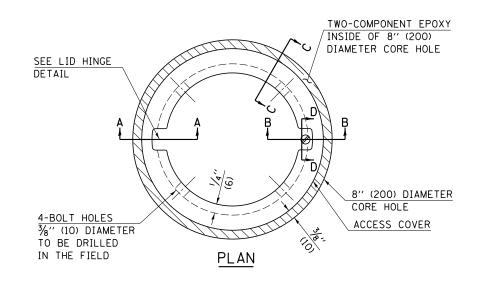


NOTE:

- 1. EACH LOOP SHALL HAVE ITS OWN HOMERUN TO THE GULFBOX/HANDHOLE.
- 2. LOOPS SHOULD BE CENTERED IN EACH LANE.
- 3. USE 6' BY 6' LOOPS FOR LANE WIDTHS OF 11' OR GREATER.
- 4. USE 5' BY 5' LOOPS IF LANE WIDTH IS LESS THAN 11'.

NOT TO SCALE

						1 Y	PICAL APPI	LICATION	18 OF DETECTOR LOC	JPS	DIS	TRICT 7 DETAIL	L NO. 8	88600100)
FILE NAME =	USER NAME = dbullock	DESIGNED -	CAS	REVISED -			DI	FTECTOR	LOOP DETAILS		F.A.P.	SECTION	COUNTY	TOTAL SHI	EET
1:\1dot\6008 - d7 var var\work order 3	- il 121 resurfacing\cadd_civil\D774624-sht-de	ta-DRAWNg∩ -	DLB	REVISED -	STATE OF ILLINOIS						320	(126X)RS-2,135RS-1	MACON	119 1	18
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	JMB	REVISED -	DEPARTMENT OF TRANSPORTATION		l	FAP 320	(IL 121/IL 48)					T NO. 746	24
Default	PLOT DATE = 8/19/2014	DATE -	8/13/14	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED. A			_



LEGEND

- ALUMINUM CASTING

- 5" (125) OR 6" (150) P.V.C. PIPE

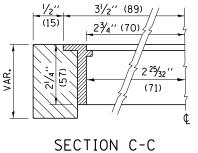
- TWO-COMPONENT EPOXY

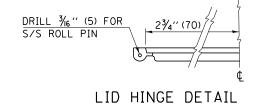
T = THICKNESS OF PAVEMENT STRUCTURE

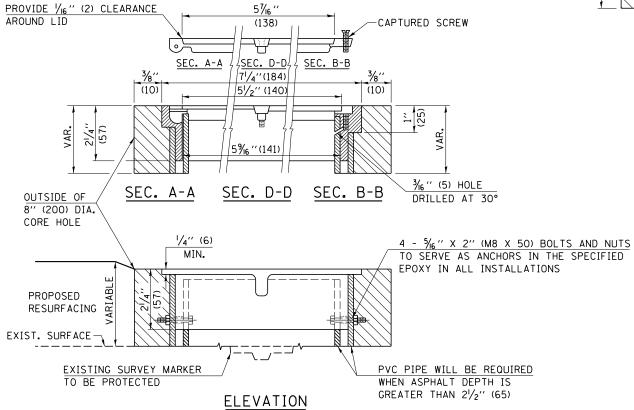
H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)

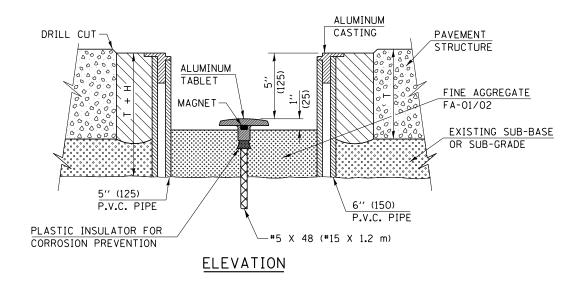
BILL OF MATERIAL

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 4 EACH - \(\frac{1}{16} \)" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).









EXISTING SURVEY MARKER

PROPOSED SURVEY MARKER

NOT TO SCALE

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

											DIS	TRICT 7 DETAI	L NO. ZO	070202
FILE NAME =	USER NAME = dbullock	DESIGNED -	CAS	REVISED -				SURVEY	VAULT DETAILS		F.A.P.	SECTION	COUNTY	TOTAL SHEET
1:\1dot\6008 - d7 var var\work order 3	ıl 121 resurfacıng\cadd_cıvıl\D774624-sht-d	eta .0-RAWN g∩ -	DLB	REVISED -	STATE OF ILLINOIS						320	(126X)RS-2.135RS-1	MACON	119 119
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	JMB	REVISED -	DEPARTMENT OF TRANSPORTATION			FAP 3	20 (IL 121/IL 48)					T NO. 74624
Default	PLOT DATE = 8/19/2014	DATE -	8/13/14	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED.	AID PROJECT	