

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	119RS-3	MOULTRIE	20	1
		ILLINOIS	CONTRACT NO. 74B22	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATION EQUATION 453+12 (BK) = -0+08 (AH)

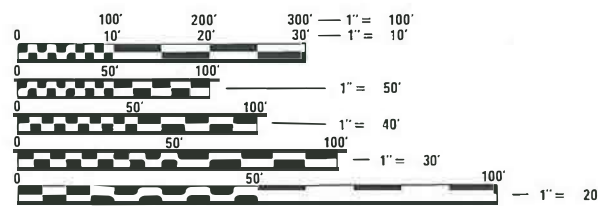
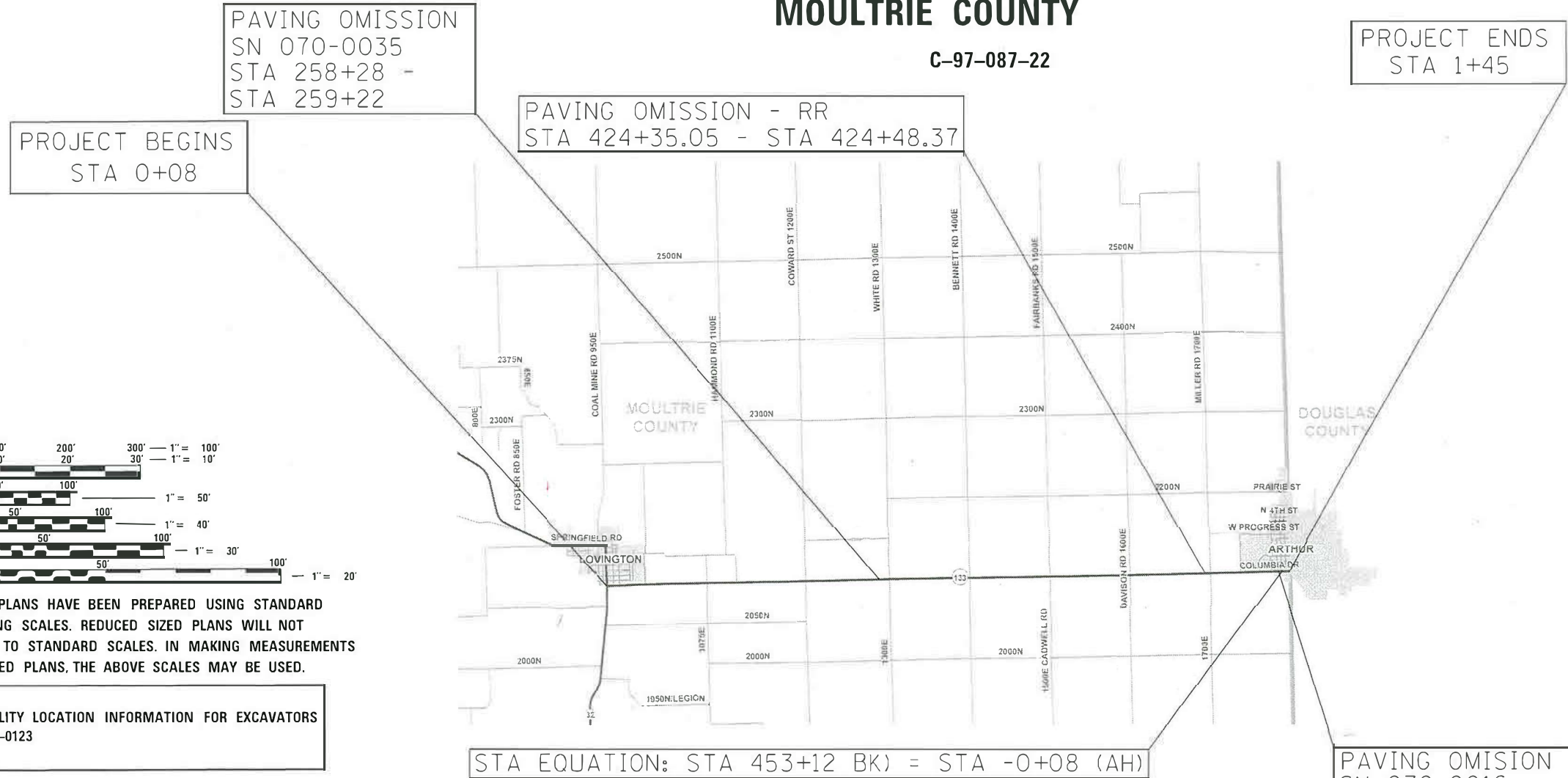
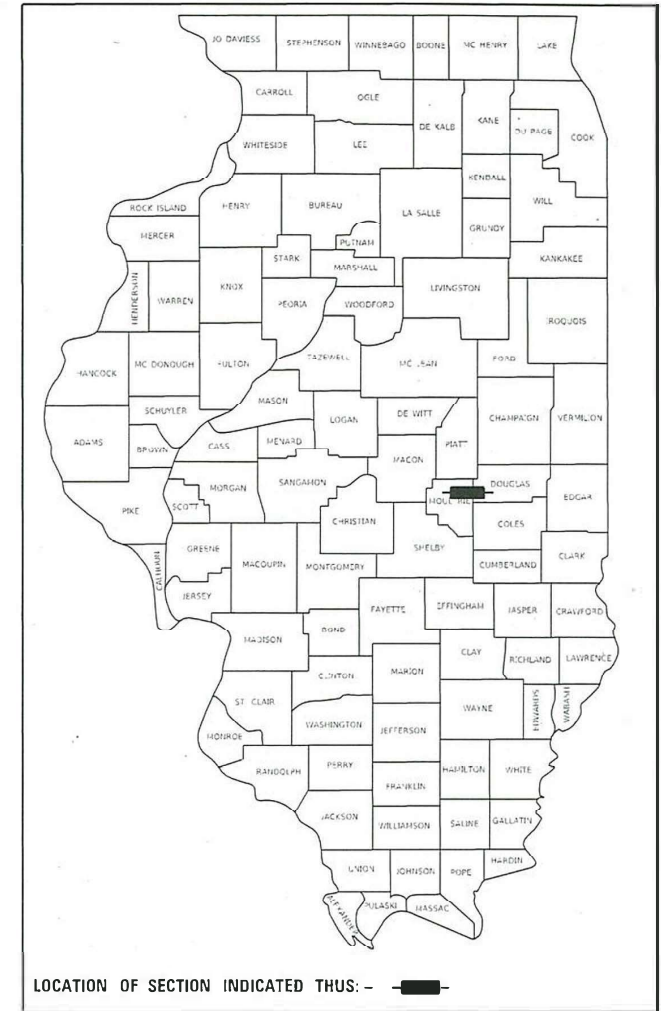
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# PROPOSED HIGHWAY PLANS

FAP ROUTE 749 (IL 133)  
SECTION 119RS-3  
PROJECT STP-1AVQ(632)  
SMART RESURFACING  
MOULTRIE COUNTY

C-97-087-22

D-97-040-22



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

PROJECT ENGINEER: BRIAN LEWIS  
PROJECT MANAGER: DREW HEUERMAN

GROSS LENGTH = 45,457.0 FT. = 8.60 MILES  
NET LENGTH = 45,320.7 FT. = 8.60 MILES

PAVING OMISSION  
SN 070-0016  
STA 452+90.92 -  
STA 0+13.9

CONTRACT NO. 74B22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 19 2023  
Jeffrey P. Meyer  
REGIONAL ENGINEER

March 24, 2023  
[Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

March 24, 2023  
[Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS



80% FED  
20% STATE

80% FED  
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	90813	90813		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	45307	45307		
40600990	TEMPORARY RAMP	SQ YD	269	269		
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	11028	11028		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	201807	201807		
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	1626	1626		
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	117	117		
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	58	58		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	3841	3841		
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	2	2		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5		
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	5	5		
67100100	MOBILIZATION	L SUM	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1		
	701201					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1		
	701306					
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	23577	23577		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3901	3901		
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	101602	101602		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	122.4	122.4		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	143	143		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	101602	101602		
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	122.4	122.4		
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	143	143		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	567	567		
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	567	567	

\* SPECIALTY ITEM

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PLOT DATE = 1/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

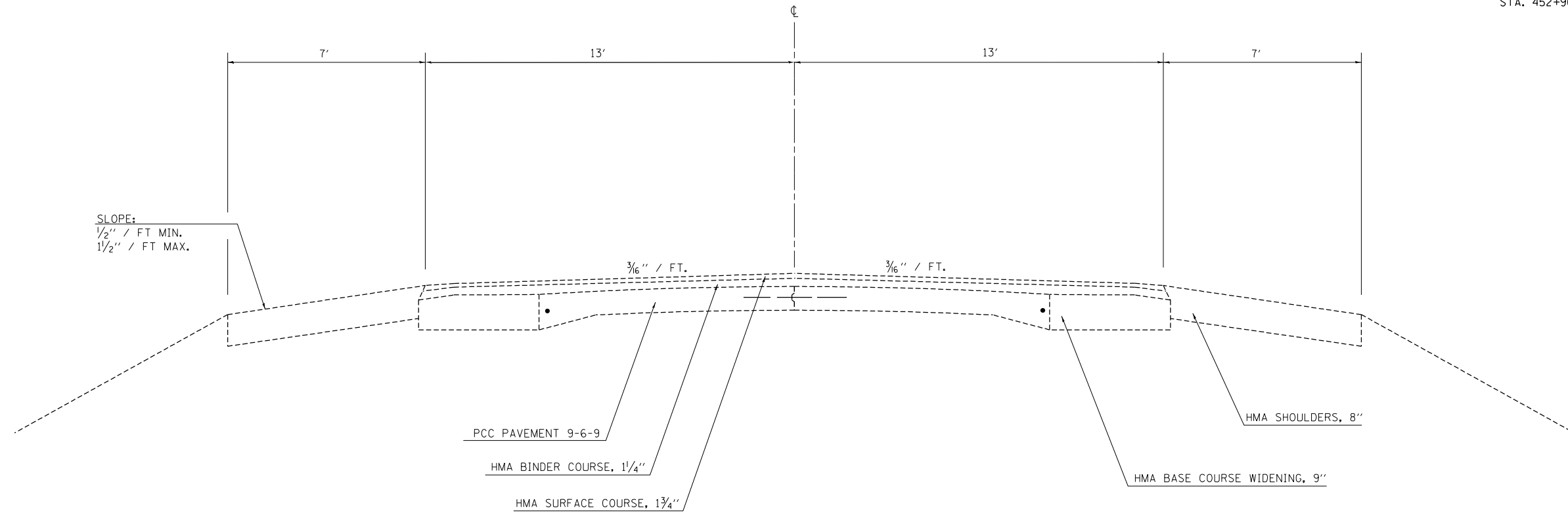
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	119RS-3	MOULTRIE	20	3
CONTRACT NO. 74B22				
ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION**

STA. 0+08 TO STA 453+12  
 STA 453+12 (BK) = STA. -0+08 (AH)  
 STA. 0+13.90 TO STA. 1+45

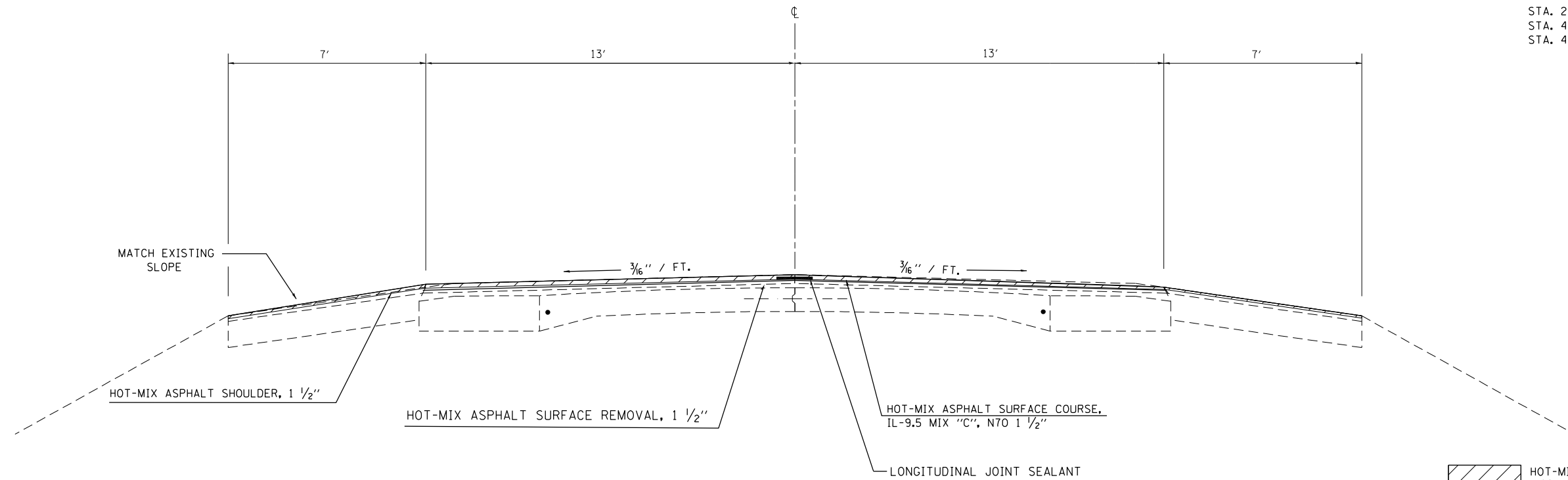
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 STA. 258+28.00 TO 259+22.00  
 STA. 424+35.05 TO 424+48.37  
 STA. 452+90.92 TO 0+13.90




**PROPOSED TYPICAL SECTION**

STA. 0+08 TO STA 452+90.92  
 STA. 0+13.90 TO STA. 1+45

PAVING OMISSION  
 STA. 258+28.00 TO 259+22.00  
 STA. 424+35.05 TO 424+48.37  
 STA. 452+90.92 TO 0+13.90



NOTE • STA 294+63.6 - STA 1+45  
 HMA SHOULDERS, SPECIAL

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

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	119R5-3	MOULTRIE	20	5
CONTRACT NO. 74B22				
ILLINOIS FED. AID PROJECT				

PAVING SCHEDULE

STATION	TO	STATION	PAVEMENT		AREA SQ YD	BITUMINOUS MATERIALS (TACK COAT) POUNDS	LONGITUDINAL JOINT SEALANT FOOT	HOT MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "C", N70 1 1/2" TON	HOT-MIX ASPHALT SHOULDERS TON	HOT-MIX ASPHALT SHOULDERS, SPECIAL (BUGGY SHOULDERS) TON	TEMPORARY RAMP SQ YD	HOT MIX ASPHALT SURFACE REMOVAL 1 1/2" SQ YD										
			LENGTH	WIDTH																		
			FEET	FEET																		
ILL 32																						
0+50	TO	20+14	108.0	33.0	396.0	199.8		33.3	4.0		29.3	444.0										
ILL 133																						
0+08.00	TO	25+81.00	2,573.0	26.0	7,433.1	5,146.0	2,573.0	624.4	336.2			11,435.6										
25+81.00	TO	66+53.00	4,072.0	26.0	11,763.6	8,144.0	4,072.0	988.1	532.1			18,097.8										
66+53.00	TO	130+75.00	6,422.0	26.0	18,552.4	12,844.0	6,422.0	1558.4	839.1			28,542.2										
130+75.00	TO	138+57.00	782.0	26.0	2,259.1	1,564.0	782.0	189.8	102.2			3,475.6										
138+57.00	TO	188+80.50	5,023.5	26.0	14,512.3	10,047.0	5,023.5	1219.0	656.4			22,326.7										
188+80.50	TO	240+26.00	5,145.5	26.0	14,864.8	10,291.0	5,145.5	1248.6	672.3			22,868.9										
240+26.00	TO	258+28.00	1,802.0	26.0	5,205.8	3,604.0	1,802.0	437.3	235.5		31.1	8,008.9										
258+28.00	TO	259+22.00	94.0																			
259+22.00	TO	294+18.60	3,496.5	26.0	10,101.3	6,993.2	3,496.6	848.5	456.9		31.1	15,540.4										
294+18.60	TO	294+63.60	45.0	26.0	130.0	90.0	45.0	10.9	5.9			200.0										
294+63.60	TO	296+56.10	192.5	26.0	556.1	385.0	192.5	46.7		25.2		855.6										
296+56.10	TO	297+01.10	45.0	26.0	130.0	90.0	45.0	10.9		5.9		200.0										
297+01.10	TO	348+72.00	5,170.9	26.0	14,938.2	10,341.8	5,170.9	1254.8		675.7		22,981.8										
348+72.00	TO	402+10.00	5,338.0	26.0	15,420.9	10,676.0	5,338.0	1295.4		697.5		23,724.4										
402+10.00	TO	420+99.00	1,889.0	26.0	5,457.1	3,778.0	1,889.0	458.4		246.8		8,395.6										
420+99.00	TO	421+44.00	45.0	26.0	130.0	90.0	45.0	10.9		5.9		200.0										
421+44.00	TO	422+80.00	136.0	26.0	392.9	272.0	136.0	33.0		17.8		604.4										
422+80.00	TO	423+25.00	45.0	26.0	130.0	90.0	45.0	10.9		5.9		200.0										
423+25.00	TO	424+35.05	110.1	26.0	317.9	220.1	110.1	26.7		14.4	22.2	489.1										
424+35.05	TO	424+48.37	13.3																			
424+48.37	TO	442+17.00	1,768.5	26.0	5,109.4	3,537.3	1,768.6	429.2		231.1	22.2	7,860.6										
442+17.00	TO	452+90.92	1,073.9	26.0	3,102.4	2,147.8	1,073.9	260.6		140.3	33.3	4,773.0										
452+90.92	TO	453+12.00	21.1																			
453+12.00	=	-0+08.00																				
-0+08.00	TO	0+13.90	21.9																			
0+13.90	TO	1+45.00	131.1	26.0	378.7	262.2	131.1	31.8		17.1	33.3	582.7										
INTERSECTION OF IL 133/ VINE ST. IN ARTHUR																						
PROJECT TOTALS					45,565		131,282	90,813	45,307	11,028	3,841	2,083	269	201,807								

PERMANENT SURVEY MARKER SCHEDULE

EXISTING PSM'S FOUND TO PROTECT OR RESET					DESC	PROPOSED	PROTECTING OR RESETTING SURVEY MARKERS (EACH)	PERMANENT SURVEY MARKER, TYPE 1 (EACH)	SURVEY MARKER VAULT (EACH)
Pt No.	Northing	Easting	STATION	OFFSET		PROTECT OR RESET			
100	1108439.80	903607.01	39+86	1.0' RT	Disk in Alum. Vault - Section Corner	DISK IN VAULT	1	0	0
101	1108449.45	906273.41	66+53.0	17.9' LT	Disk in Alum. Vault - Section Corner	DISK IN VAULT	1	0	0
102	1108400.99	912888.31	132+69.0	7.0' RT	Disk in Alum. Vault - Section Corner	DISK IN VAULT	1	0	0
103	1108386.96	915811.27	161+92	10.6' RT	IP w/ cap in Alum. Vault - Section Corner	DISK IN VAULT	1	0	0
104	1108374.35	918494.63	188+78	14.0' RT	Disk in Alum. Vault - Section Corner	DISK IN VAULT	1	0	0
105	1108379.06	921168.28	215+54	0.0'	Fnd Alum. Vault could not open - Section Corner	DISK IN VAULT	1	0	0
106	1108382.49	923843.78	242+30	12.9' LT	Disk in Alum. Vault - Section Corner	DISK IN VAULT	1	0	0
107	1108368.94	924009.57	243+93.12	0.0'	IP WITH CAP FOUND - POT	ALUM. DISK - FLUSH - NO VAULT	1	1	0
108	1108375.88	925174.92	255+62	11.3' LT	Disk in Alum. Vault - Section Corner	DISK IN VAULT	1	0	0
109	1108369.66	926505.46	268+92	9.6' LT	Disk in Alum. Vault - Section Corner	DISK IN VAULT	1	0	0
110	1108359.78	926556.90	269+40.69	0.0'	IP w/ cap in Alum. Vault - POT	ALUM. DISK - FLUSH - REMOVE VAULT	1	1	0
111	1108357.37	929167.10	295+55	6.6' LT	Disk in Alum. Vault - Section Corner	DISK IN VAULT	1	0	0
112	1108344.90	931825.31	322+15	3.4' LT	Disk in Alum. Vault - Section Corner	DISK IN VAULT	1	0	0
113	1108329.11	934484.72	348+76	3.5' RT	Disk in Alum. Vault - Section Corner	DISK IN VAULT	1	0	0
			375+42	15.9' LT	Disk Buried - no vault	DISK IN NEW VAULT	1	0	1
114	1108356.89	939817.29	402+08	26.5' LT	MAG NAIL FOUND	MAG NAIL	1	0	0
115	1108348.26	942468.73	428+66	13.8' LT	MAG NAIL FOUND	MAG NAIL	1	0	0
PROJECT TOTALS =							17	2	1

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	119R5-3	MOULTRIE	20	6
CONTRACT NO. 74822				
ILLINOIS FED. AID PROJECT				

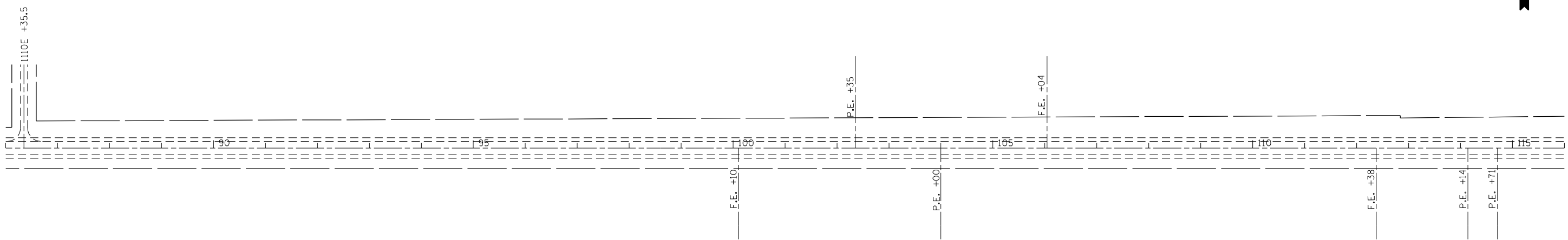
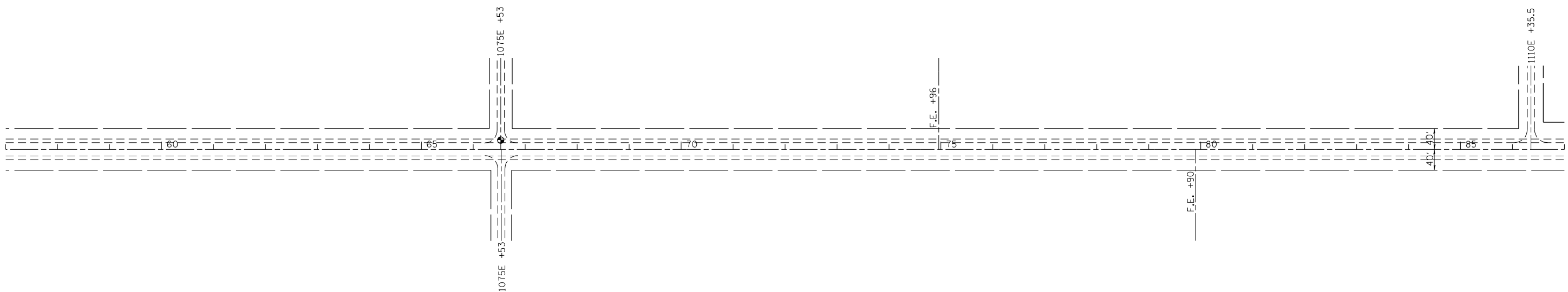








1110E +35.5



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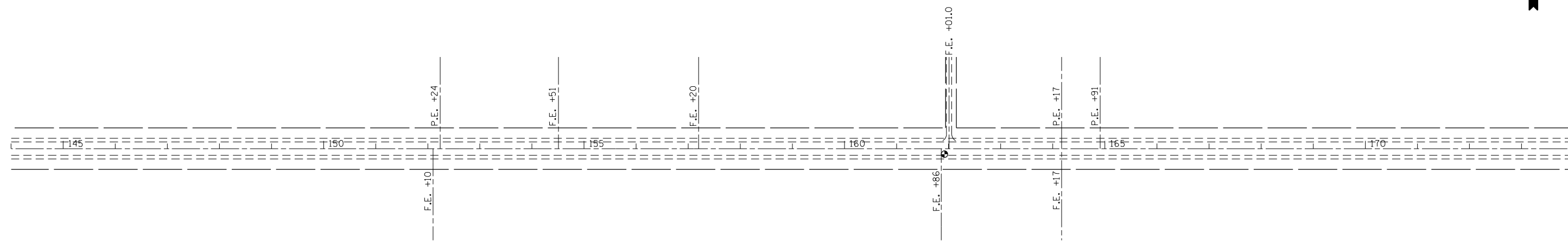
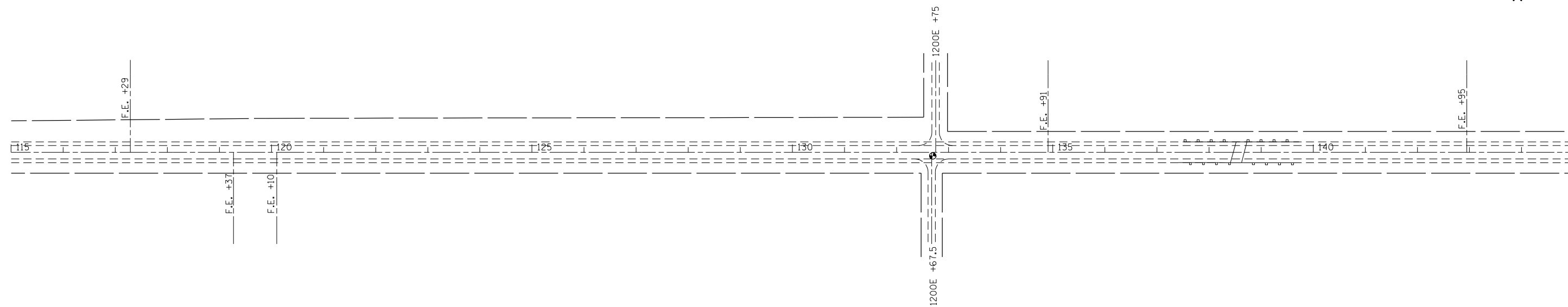
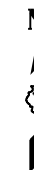
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	119R5-3	MOULTRIE	20	9
CONTRACT NO. 74822				
ILLINOIS FED. AID PROJECT				



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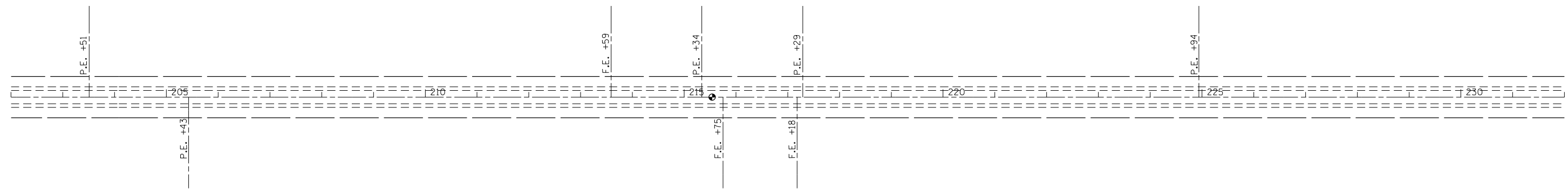
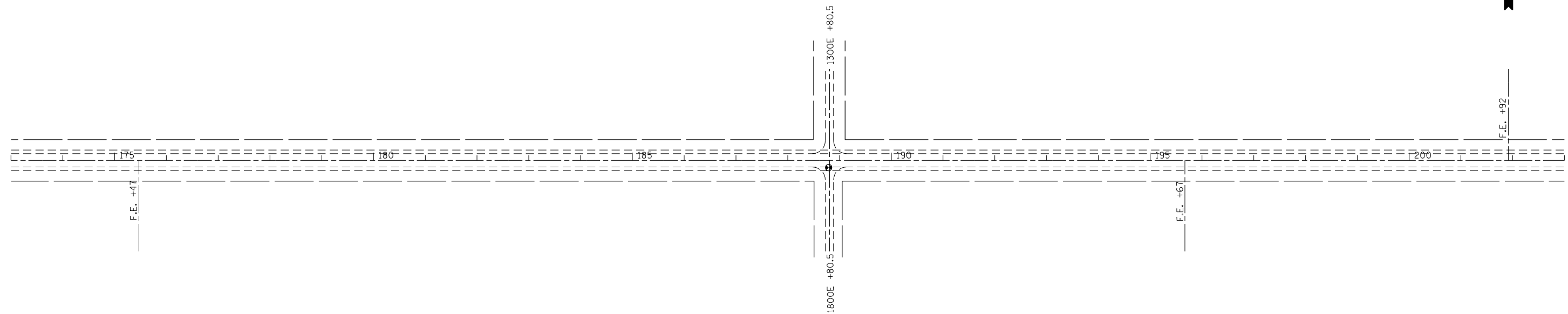
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	119R5-3	MOULTRIE	20	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74822	



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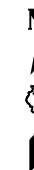
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

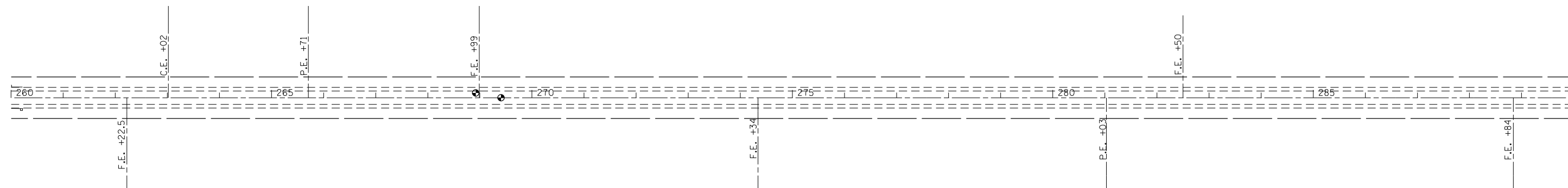
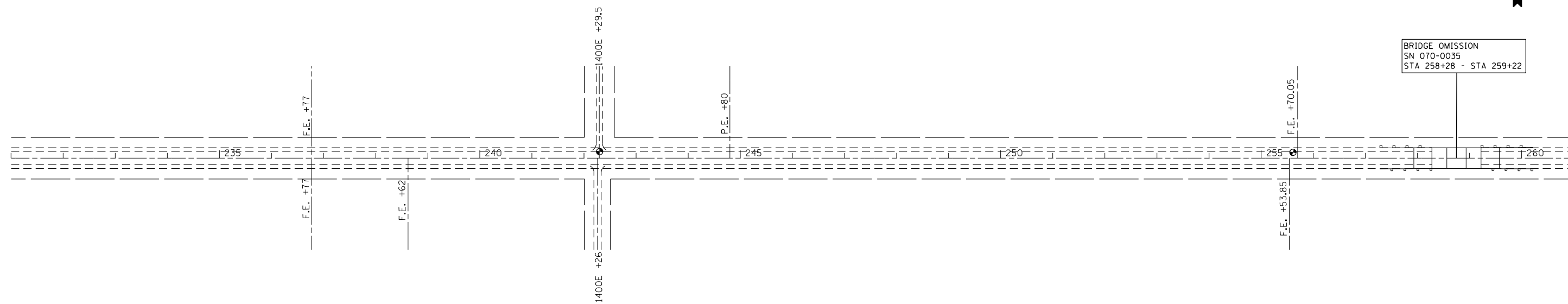
**PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	119RS-3	MOULTRIE	20	11
CONTRACT NO. 74822			ILLINOIS FED. AID PROJECT	



BRIDGE OMISSION  
 SN 070-0035  
 STA 258+28 - STA 259+22



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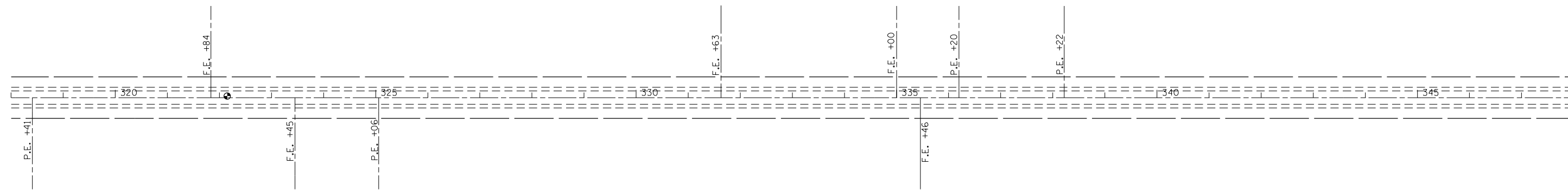
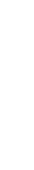
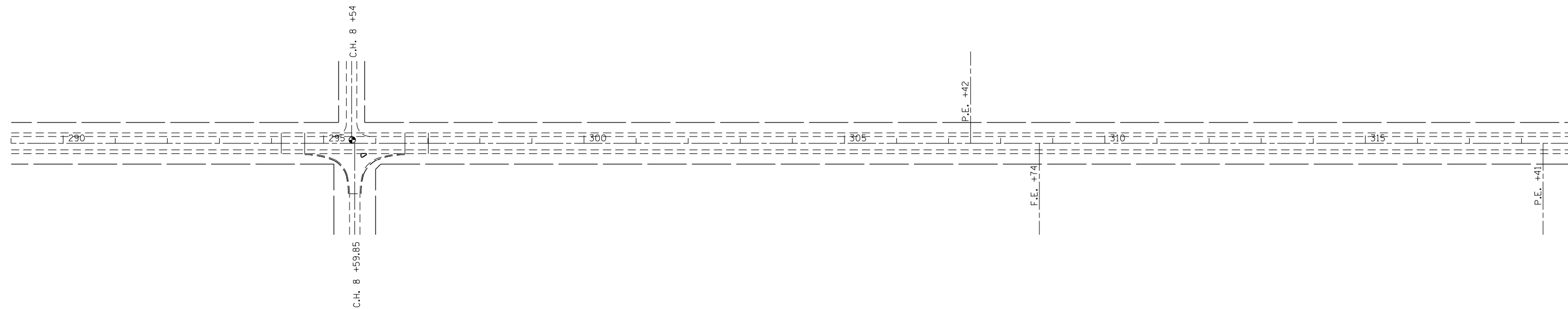
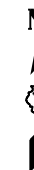
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74B22				
ILLINOIS FED. AID PROJECT				



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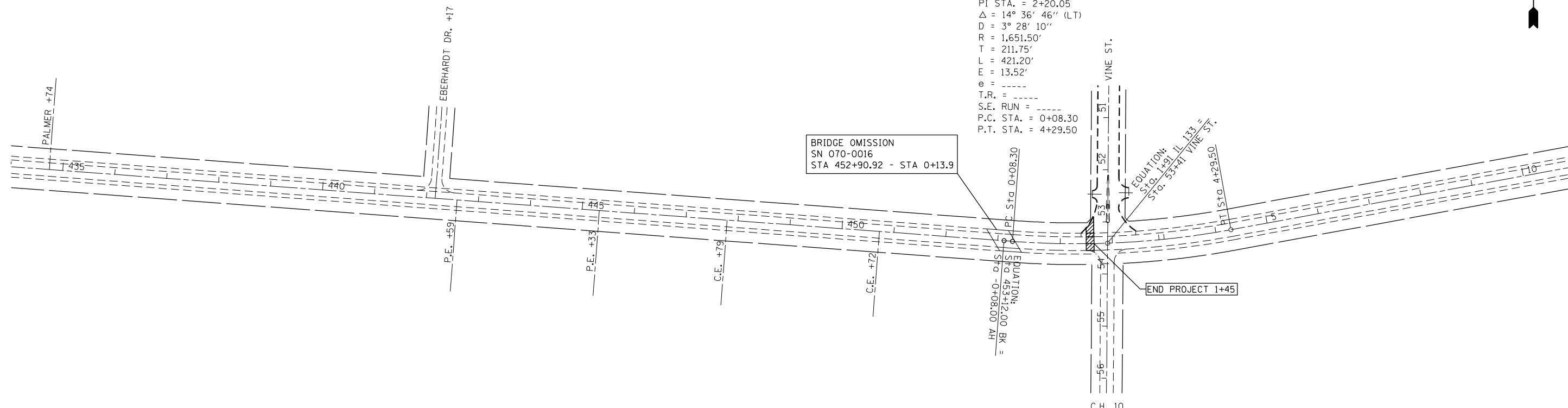
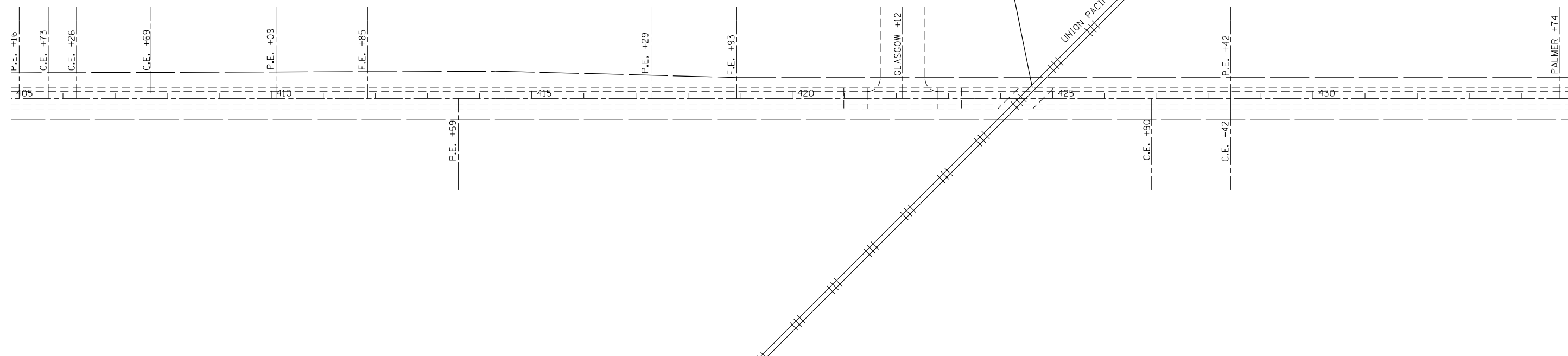
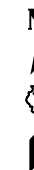
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	119R5-3	MOULTRIE	20	13
			CONTRACT NO. 74B22	
ILLINOIS FED. AID PROJECT				





EXIST. CURVE CUR3  
 PI STA. = 2+20.05  
 $\Delta$  = 14° 36' 46" (LT)  
 D = 3° 28' 10"  
 R = 1,651.50'  
 T = 211.75'  
 L = 421.20'  
 E = 13.52'  
 $e$  = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 0+08.30  
 P.T. STA. = 4+29.50

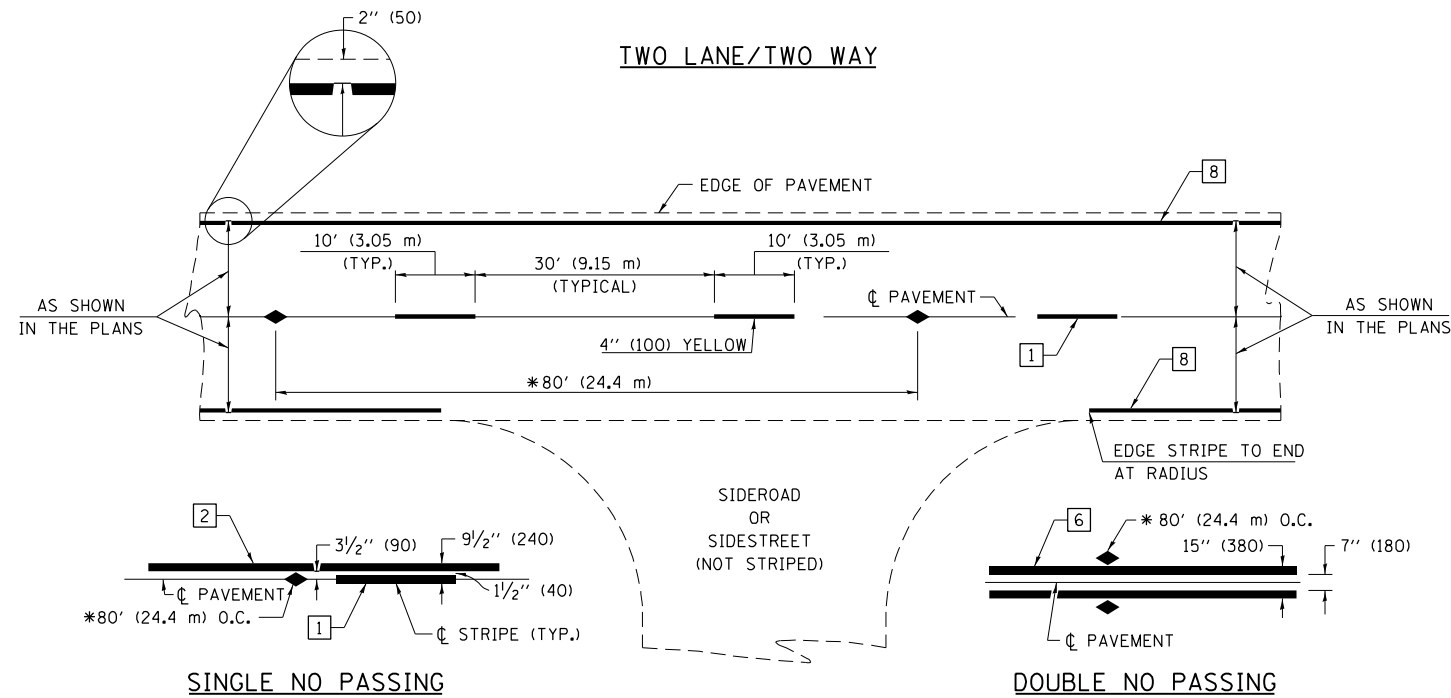
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USER NAME = Jessica.Hille	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 200,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/20/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEETS</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	119R5-3	MOULTRIE	20	15
CONTRACT NO. 74822				
ILLINOIS FED. AID PROJECT				



\* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

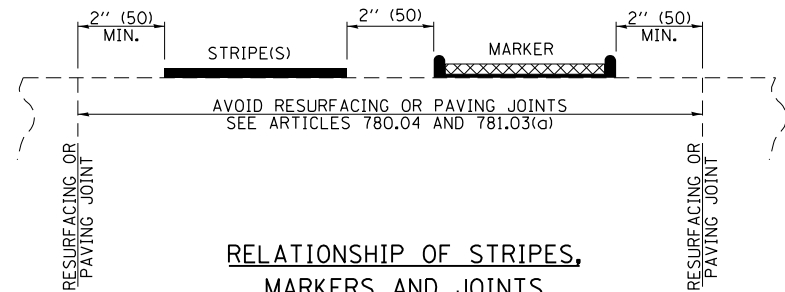
**PAVEMENT MARKING LEGEND**

- 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 4" (100) DOUBLE YELLOW (WIDE)
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (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

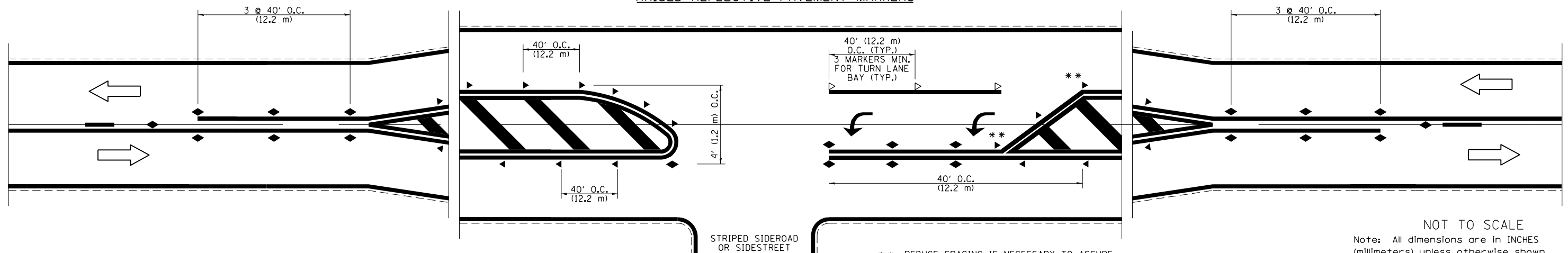
**TYPICAL PAVEMENT MARKERS LEGEND**

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

**RELATIONSHIP OF STRIPES, MARKERS AND JOINTS**



**RAISED REFLECTIVE PAVEMENT MARKERS**



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

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

**DISTRICT 7 DETAIL NO. 7800001**

FILE NAME =	USER NAME = Jessica.Hille	DESIGNED -	REVISED - NAS 06/22
pw:\idot-pw\bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74B22\CADD\Drawings\016-020 - D774B22-sh-detailed		CHECKED -	REVISED -
		DATE -	REVISED -

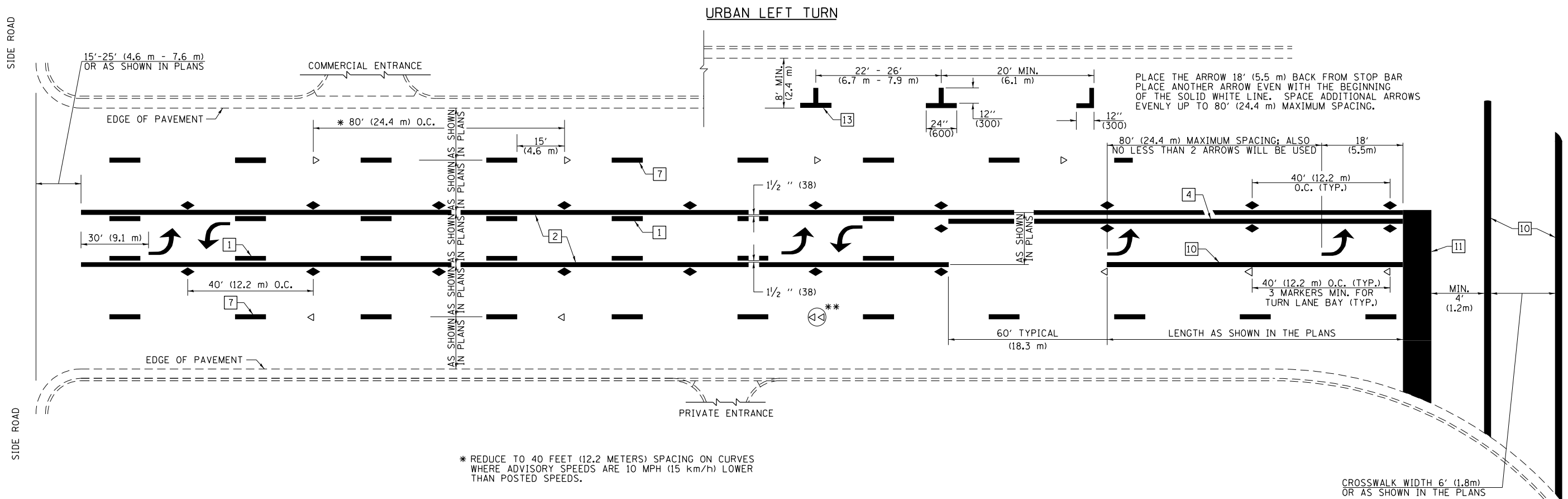
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	119R5-3	MOULTRIE	20	16
CONTRACT NO. 74B22				
ILLINOIS FED. AID PROJECT				





PLACE THE ARROW 18' (5.5 m) 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.

\* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES  
 WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER  
 THAN POSTED SPEEDS.

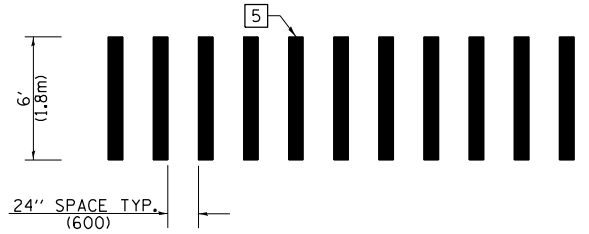
\*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED  
 AND SPACED AS SHOWN IN HIGHWAY STANDARD  
 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED  
 HIGHWAYS.

**PAVEMENT MARKING LEGEND**

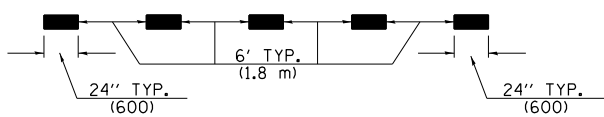
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE

**GENERAL NOTES**

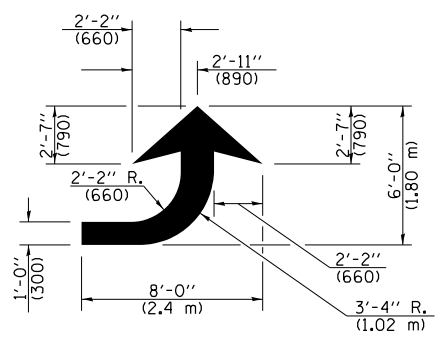
1. TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
3. THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
4. USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE SECTION 780 FOR SYMBOLS TABLE)
5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.
6. ALL WHITE SKIP-DASH LINES SHALL BE 6" IN WIDTH.



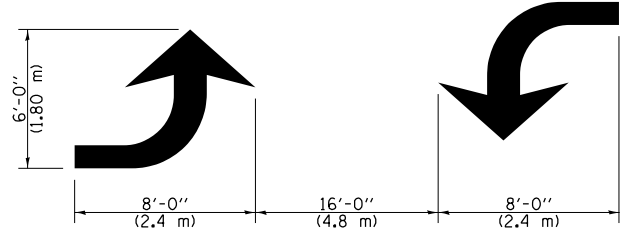
**CROSSWALK DETAIL  
 (DECATUR CITY LIMITS ONLY)**



**LANE LINE EXTENSIONS**



**LEFT ARROW**  
 REVERSE FOR RIGHT ARROW  
 AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
 (WHITE)



**TYPICAL DOUBLE  
 TURN ARROWS (WHITE)**

NOT TO SCALE

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

**DISTRICT 7 DETAIL NO. 7800001**

FILE NAME =	USER NAME = Jessica.Hille	DESIGNED -	REVISED - NAS 06/22
pw:\idot-pw\Bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74B22\CADD\Drawings\016-020 - D774B22-sh-detailed.dwg		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

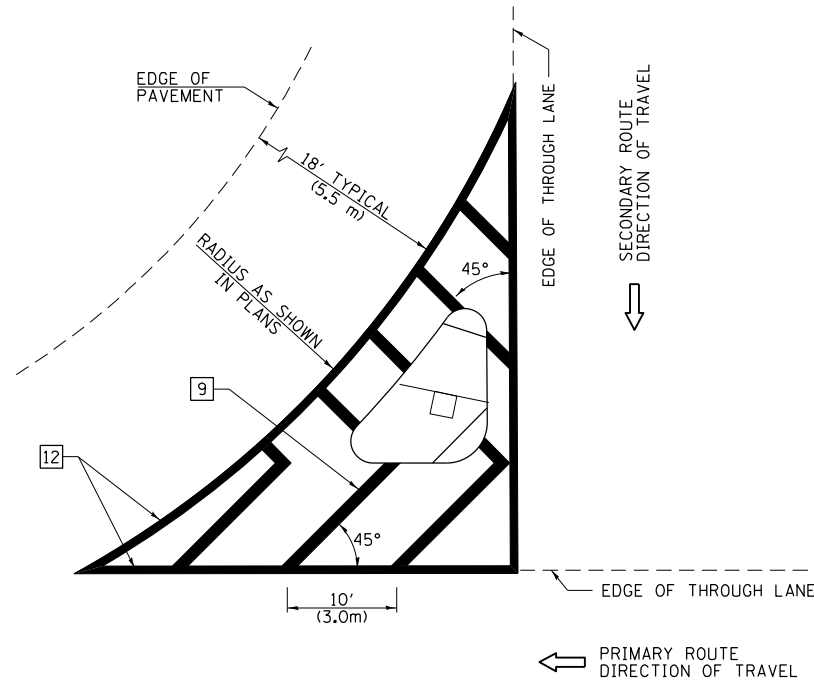
**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS  
 (RURAL & URBAN APPLICATIONS)**

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	119R5-3	MOULTRIE	20	17
CONTRACT NO. 74B22				
ILLINOIS FED. AID PROJECT				

**ISLANDS**

**OPTION 1**

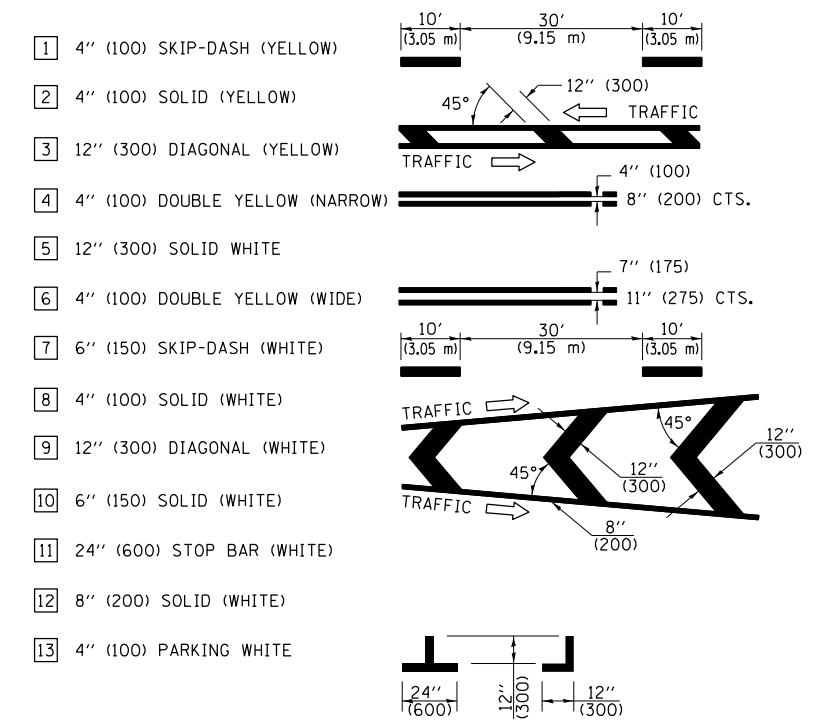


**GENERAL NOTES**

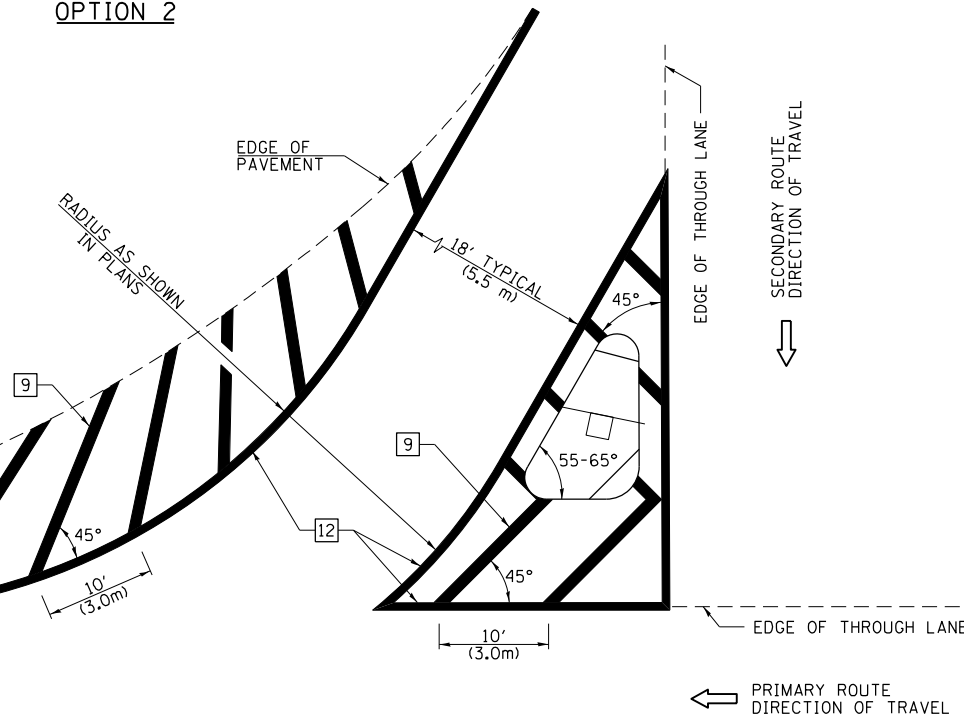
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2].
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:
 

< 30 MPH (< 50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
> 45 MPH (> 75 km/h)	30' (9.0 m)
6. THE USE OF ISLAND STRIPING OPTION 1 OR OPTION 2 SHALL BE AS SHOWN ON THE PLANS.

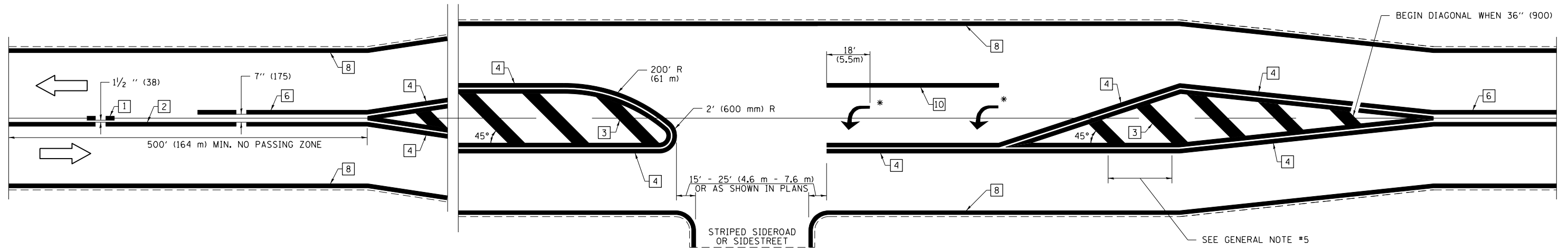
**PAVEMENT MARKING LEGEND**



**OPTION 2**



**RURAL LEFT TURN STRIPING**



\* PLACE AN ARROW 18' (5.5 m) BACK FROM END OF THE SOLID WHITE LINE. 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.

**DISTRICT 7 DETAIL NO. 7800001**

FILE NAME =	USER NAME = Jessica.Hille	DESIGNED -	REVISED - NAS 06/22
pw:\idot-pw\Bentley.com\PWIDOT Documents\IDOT Offices\District 7\Projects\74822\CADD\Drawings\016-020 - D774822-sh-deta	DESIGNED BY -	CHECKED -	REVISED -
	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 1/20/2023		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

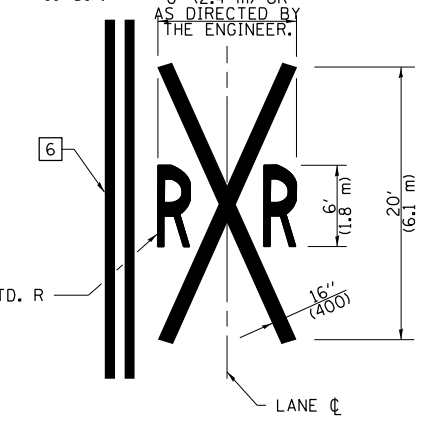
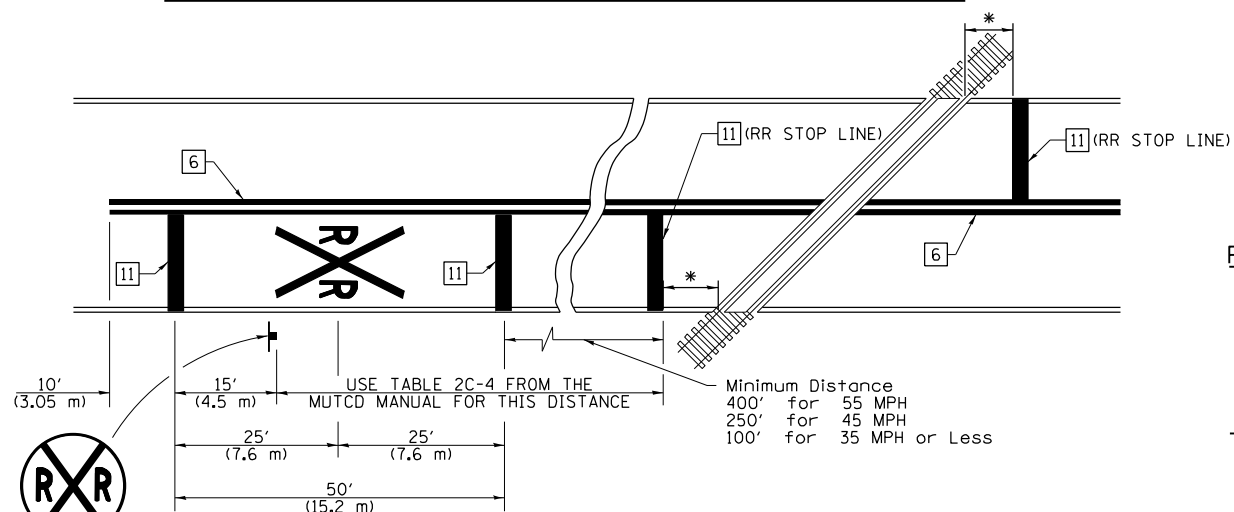
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	119R5-3	MOULTRIE	20	18
CONTRACT NO. 74B22				
ILLINOIS FED. AID PROJECT				

# SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

## 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 4" (100) DOUBLE YELLOW (WIDE)
  - 7 6" (150) SKIP-DASH (WHITE)
  - 8 4" (100) SOLID (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
- 

### PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



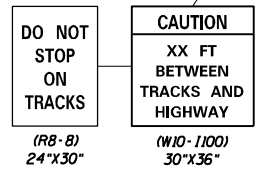
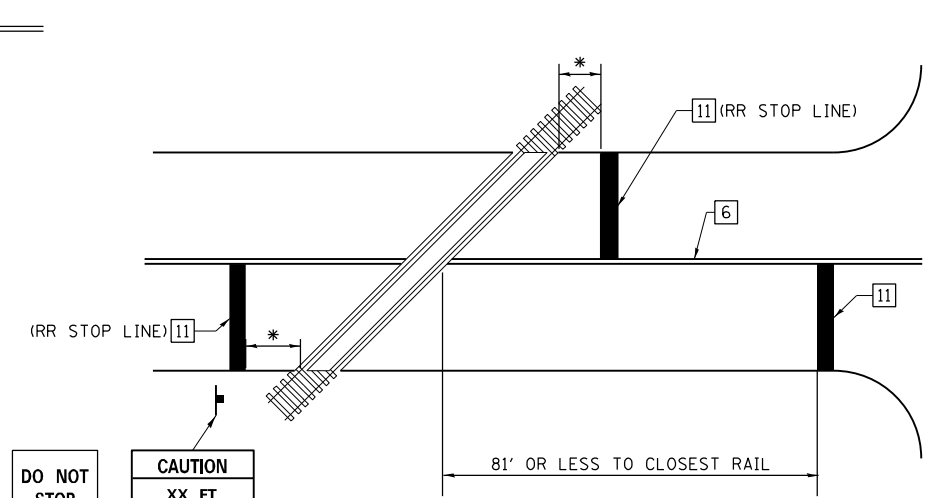
### NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

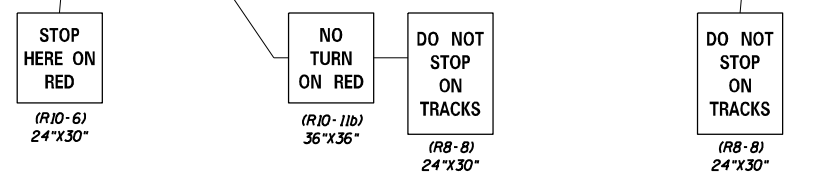
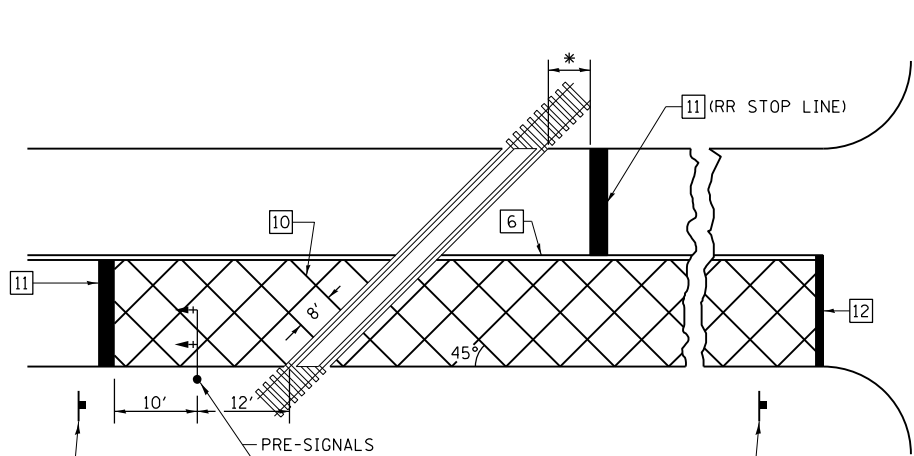
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RRR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

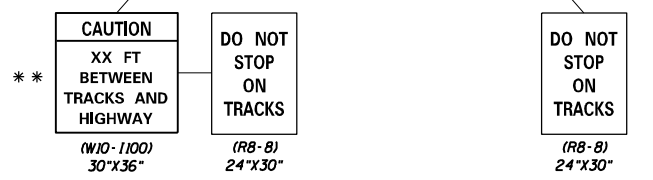
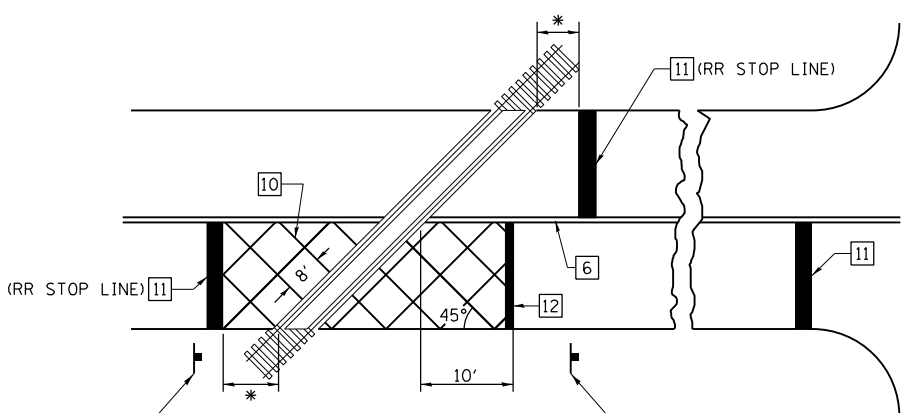
### RAILROAD CROSSING WITH NON-SIGNALIZED INTERSECTION



### RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS

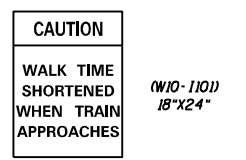


### RAILROAD CROSSING WITH INTERCONNECT ONLY



### 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.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE PRE-SIGNALS ARE USED.
- WHEN PEDESTRIAN SIGNALS ARE PRESENT WITH INTERCONNECTED SIGNALS, WARNING SIGN W10-1101 (18"X24") SHALL BE PLACED NEAR EACH PEDESTRIAN SIGNAL HEAD. COUNTDOWN PEDESTRIAN SIGNAL HEADS SHALL NOT BE UTILIZED ALONG WITH INTERCONNECTED SIGNALS.
- PLEASE REFER TO THE IDOT BUREAU OF OPERATION MEMO OPS T-06 DATED DECEMBER 1, 2020 FOR ADDITIONAL INFORMATION.

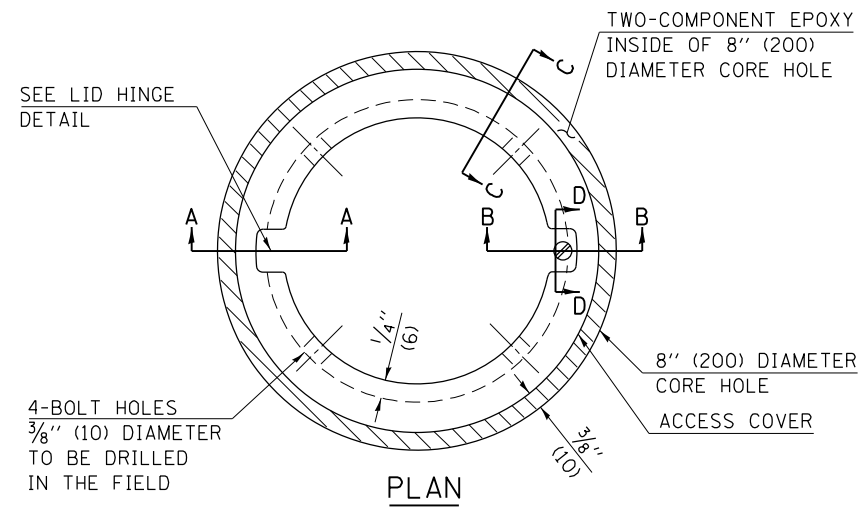


- \* 15' FROM NEAR RAIL OR 8' FROM AND PARALLEL TO GATE IF PRESENT
- \*\* WARNING SIGN W10-1100 SHALL BE USED AS AN INTERIM MEASURE AT INTERCONNECTED SIGNAL LOCATIONS WHERE PRE-SIGNALS ARE TO BE INSTALLED IN THE FUTURE. THIS SIGN SHALL BE REMOVED WHEN THE PRE-SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS ARE EXTENDED TO THE INTERSECTION.

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

### DISTRICT 7 DETAIL NO. 78000001

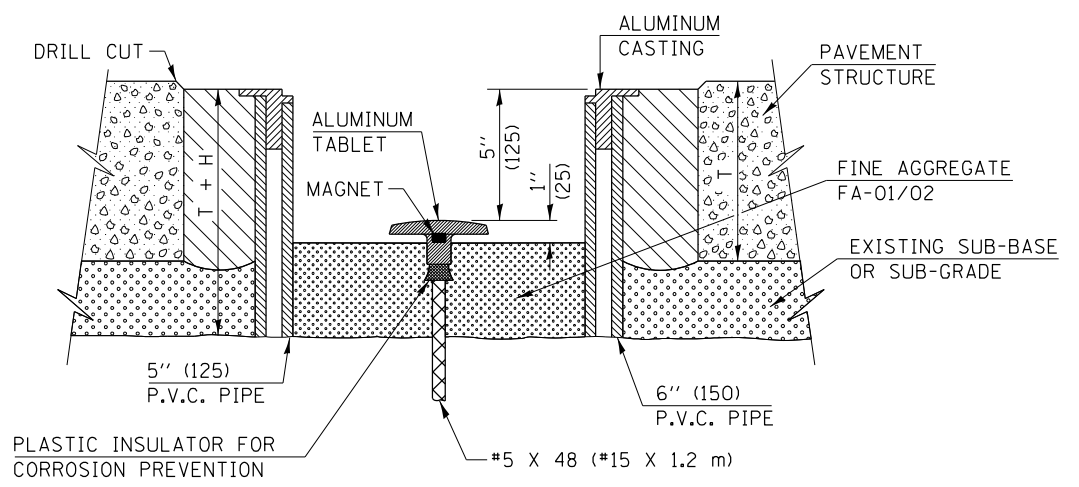
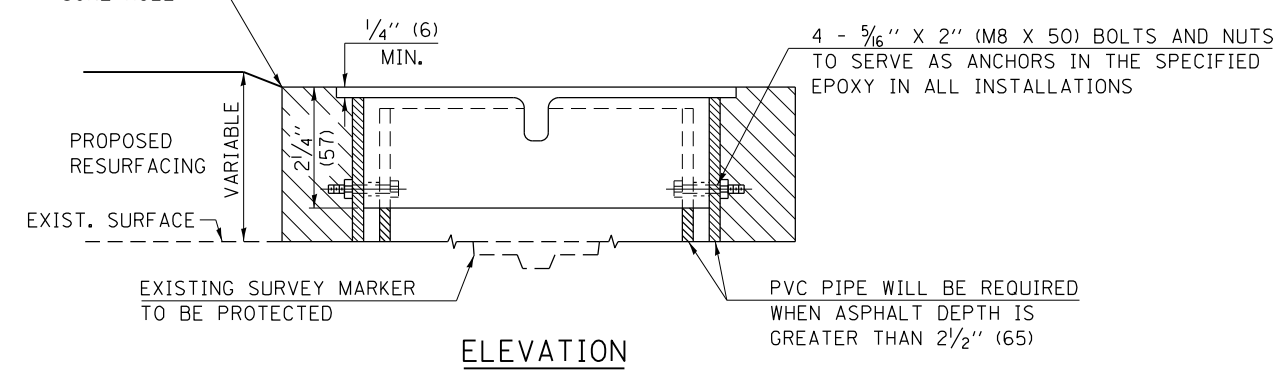
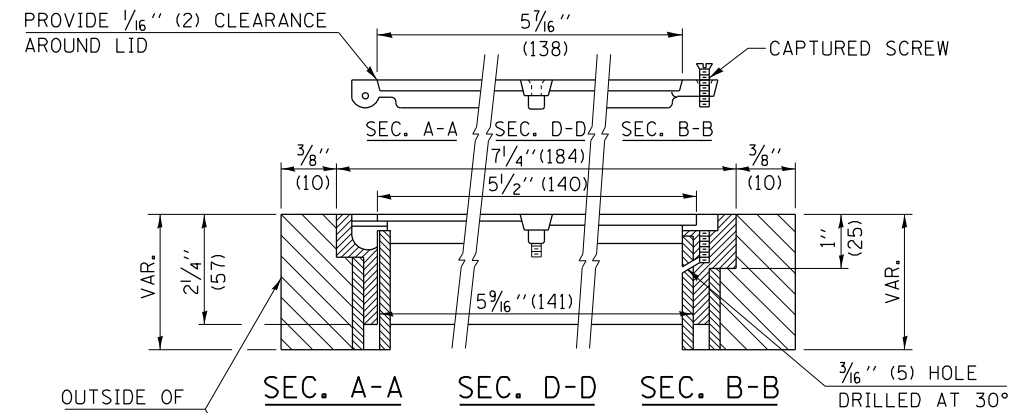
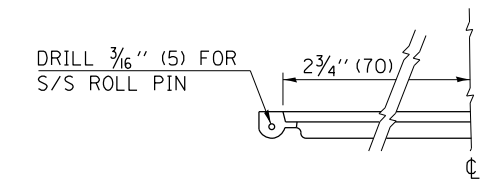
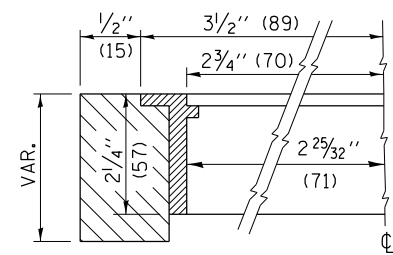
FILE NAME =	USER NAME = Jessica.Hille	DESIGNED -	REVISED - NAS 06/22	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\idot-pw\bentley.com\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74B22\CADD\Drawings\016-020 - D774B22-sh-deta	PROJECT =	CHECKED -	REVISED -			749	119R5-3	MOULTRIE	20	19
PLOT SCALE = 100.0000' / in.	DATE =	DATE =	DATE =			CONTRACT NO. 74B22				
PLOT DATE = 1/20/2023						ILLINOIS FED. AID PROJECT				



**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 - 5/16" 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.

FILE NAME =	USER NAME = Jessica.Hille	DESIGNED -	REVISED - MAD 6-11
pw:\idot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74B22\CADD\Drawings\016-020 - D774B22-shr-det.dwg		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SURVEY MARKER VAULT				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

DISTRICT 7 DETAIL NO. Z0070202				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	119R5-3	MOULTRIE	20	20
CONTRACT NO. 74B22				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				