

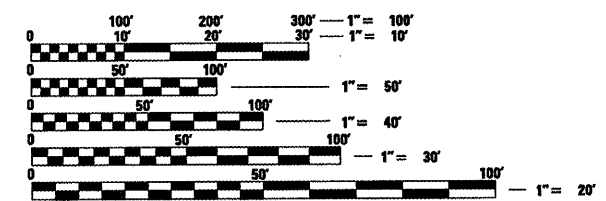
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	1
		ILLINOIS	CONTRACT NO. 70709	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES SEE SHEET NO. 4, 5, & 6

CURRENT TRAFFIC DATA	
LEG "A"	
ADT = 15,300 (2009)	16,800 (2019)
20 YR ADT = 18,400	
P.U. & P.C. % = 94.7	
S.U. % = 3.7	
M.U. % = 1.6	
LEG "B"	
ADT = 13,700 (2009)	15,100 (2019)
20 YR ADT = 16,400	
P.U. & P.C. % = 96.0	
S.U. % = 2.6	
M.U. % = 1.4	

DESIGN DESIGNATION
NA



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 (GEORGETOWN & DANVILLE TOWNSHIPS)

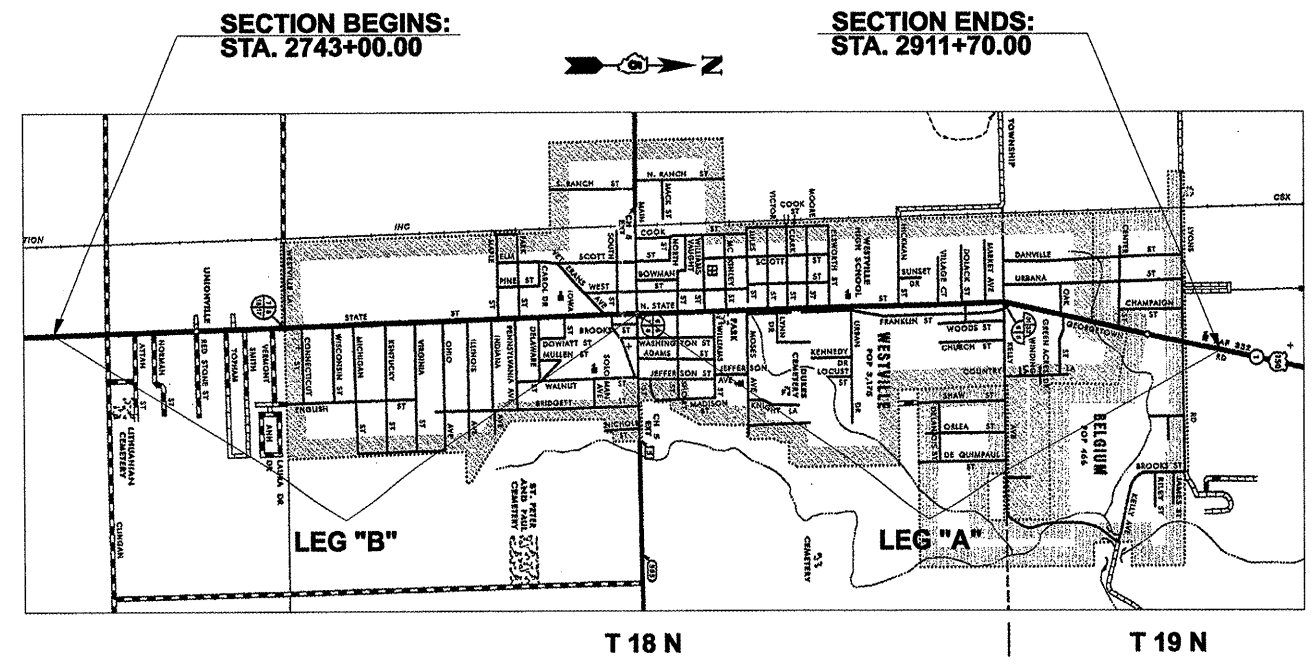
PROJECT ENGINEER: NANCY FASIG
SQUAD LEADER: BRIAN J. HOGAN
DESIGNER: BYRON SMITH
(217)-465-4181

CONTRACT NO. 70709

F.A.P. ROUTE 332 (IL 1 / U.S. 150)
SECTION 47RS-11
PROJECT ACNHF-0332(098)
RESURFACING (3P)
VERMILION COUNTY

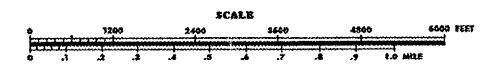
C-95-090-07

LYON'S ROAD IN BELGIUM TO THE SOUTHERN CORPORATE LIMITS OF WESTVILLE

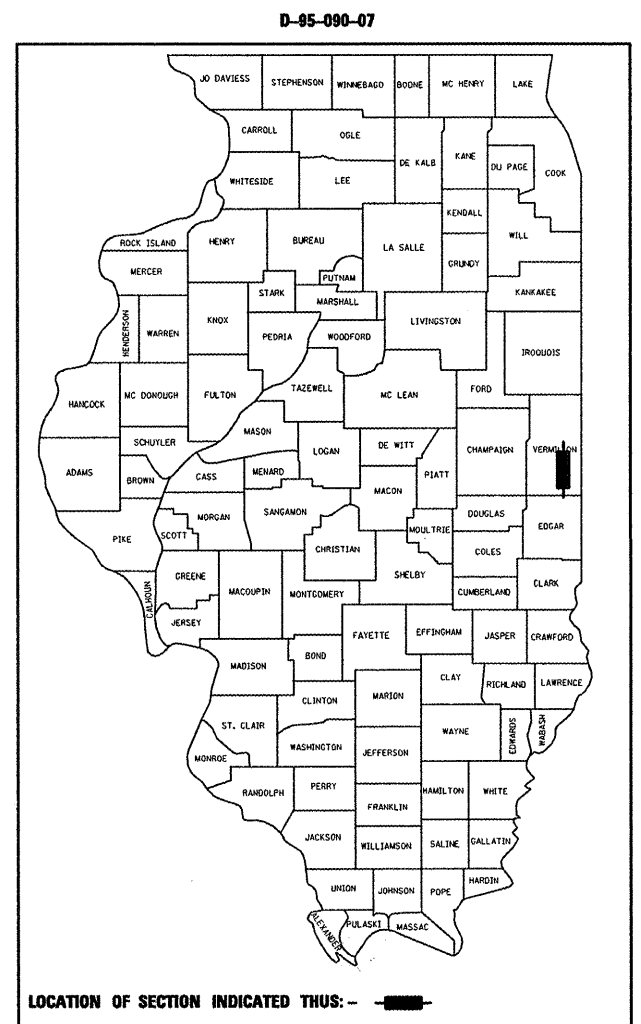


SECTION BEGINS:
STA. 2743+00.00

SECTION ENDS:
STA. 2911+70.00



GROSS LENGTH = 16,870.00 FT. = 3.195 MILE
NET LENGTH = 16,870.00 FT. = 3.195 MILE



LOCATION OF SECTION INDICATED THUS: ———

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 3/15 2010
Joseph E. Coover, Jr.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7 2010
Scott E. Stille, Jr.
ENGINEER OF DESIGN AND ENVIRONMENT

May 7 2010
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS
2	LIST OF HIGHWAY STANDARDS
3	GENERAL NOTES
4-6	SUMMARY OF QUANTITIES
7-15	TYPICAL CROSS SECTIONS
16-19	SCHEDULE OF QUANTITIES
20-48	PLAN SHEETS
49	SIDEROAD RESURFACING DETAIL
50-53	PAVEMENT MARKING AND MARKERS DETAIL
54	PCC PARTIAL DEPTH HMA PATCHING DETAIL
55	SURVEY MARKERS TYPE 1 & 2 (SPECIAL) DETAIL
56	SURVEY MONUMENT COVER ASSEMBLY DETAIL

LIST OF HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001 - 05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201 - 03	CLASS C AND D PATCHES
701421 - 02	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH TO 55 MPH
701426 - 03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701602 - 04	URBAN LANE CLOSURE, MULTILANE 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606 - 06	URBAN LANE CLOSURE, MULTILANE 2W WITH MOUNTABLE MEDIAN
701701 - 06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901 - 01	TRAFFIC CONTROL DEVICES
780001 - 02	TYPICAL PAVEMENT MARKINGS
781001 - 03	TYPICAL APPLICATIONS OF RAISED REFLECTIVE PAVEMENT MARKINGS
886001 - 01	DETECTOR LOOP INSTALLATIONS
886006 - 01	TYPICAL LAYOUT FOR DETECTION LOOPS

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & LIST OF HIGHWAY STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\FWIDOT\HOGANBJ\08185087\0576	709-shr-gennote.dgn	DRAWN -	REVISED -			332	47RS-11	VERMILION	56	2
PLOT SCALE = 100.0000 / IN.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 70709				
PLOT DATE = 3/15/2010	DATE -	REVISED -	REVISED -		SCALE: N/A	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. - ILLINOIS 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.

G.N.-406
THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-406.05b
ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER.

THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-406.10
FOR MULTILANE RESURFACING
WHEN BEGINNING THE RESURFACING WITH NEW MIXTURES FOR LEVELING BINDER, BINDER COURSE, AND SURFACE COURSE MIXTURES, THE WORK WILL BE CONFINED TO THE INSIDE TRAFFIC LANE (PASSING LANE) FIRST. THE WORK WILL REMAIN ON THE INSIDE LANE UNTIL THE MIX HAS BEEN ADJUSTED AND APPROVED BY THE ENGINEER BEFORE ANY RESURFACING IS ALLOWED ON THE OUTSIDE (DRIVING) TRAFFIC LANE(S).

ANY DELAYS OR INCONVENIENCES CAUSED THE CONTRACTOR IN COMPLYING WITH THIS REQUIREMENT WILL BE CONSIDERED INCIDENTAL TO THE VARIOUS HOT-MIX ASPHALT PAY ITEMS, AS SHOWN IN THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-406H -- MIXTURE REQUIREMENTS Contract: 70709

Location	FAP 332	FAP 332	FAP 332	FAP 332
Mixture Use	POLYMER SURFACE	POLYMER LEVEL BINDER	CLASS D PATCHING	INCIDENTAL, P.D. PATCHING, & SHOULDERS
AC/PG	SBS PG 70-22	SBS PG 70-22	PG 64-22	PG 64-22
RAP % (Max)	10	10	10	10
Design Air Voids	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90	4% @ Ndes=90
Mix Comp(Gradation)	IL 9.5	IL 9.5	IL 19.0	IL 9.5
Friction Aggregate	Mix D	Mix C	N.A.	MIX C

GENERAL NOTES

G.N.-408B
THE INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE COMPACTED AS REQUIRED BY THE SPECIFICATIONS FOR DESIGN NUMBER OF GYRATIONS BEING USED,

AT THE FOLLOWING LOCATIONS:

CLINGAN AVENUE
MAIN STREET
LYONS / CATLIN ROAD

G.N.-442B -- PATCHING SCHEDULES
THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

G.N.-667
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC, PT, AND PI). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR SETTING THESE MARKERS.

G.N.-703A
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.-781
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

G.N.-1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

NO COMMITMENTS

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 100.0000 "/ IN.		CHECKED -	REVISED -			CONTRACT NO. 70709					
PLOT DATE = 3/15/2010		DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
					SCALE: N/A	SHEET NO. ___ OF ___ SHEETS		STA. _____ TO STA. _____			

SUMMARY OF QUANTITIES (SHEET 1 OF 3)

LOCATION OF WORK: FAP ROUTE 332
 VERMILION COUNTY
 ROADWAY IMPROVEMENTS
 STA. 2743+00.00 TO STA. 2911+70.00
~~URBAN MULTILANE~~
 FUNDING BREAKOUT: 80% FEDERAL / 20% STATE
 CONSTRUCTION TYPE CODE: I000-2A

CODE NO	ITEM	UNIT	TOTAL QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	9,645.0
40600300	AGGREGATE (PRIME COAT)	TON	193.0
40600845	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90	TON	4,415.0
40600895	CONSTRUCTING TEST STRIP	EACH	1.0
40600982	HOT- MIX ASPHALT SURFACE REMOVAL- BUTT JOINT	SQ YD	2,190.0
40600990	TEMPORARY RAMP	SQ YD	201.0
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	8,000.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	220.0
40800030	AGGREGATE (PRIME COAT)	TON	5.0
40800050	INCIDENTAL HOT- MIX ASPHALT SURFACING	TON	190.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1,215.0
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	66,075.0
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	29,150.0
45100200	CRACK FILLING	POUND	8,200.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	35.0
48203100	HOT-MIX ASHALT SHOULDERS	TON	110.0
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	13.0
60300405	VALVE BOX FRAMES TO BE ADJUSTED	EACH	7.0

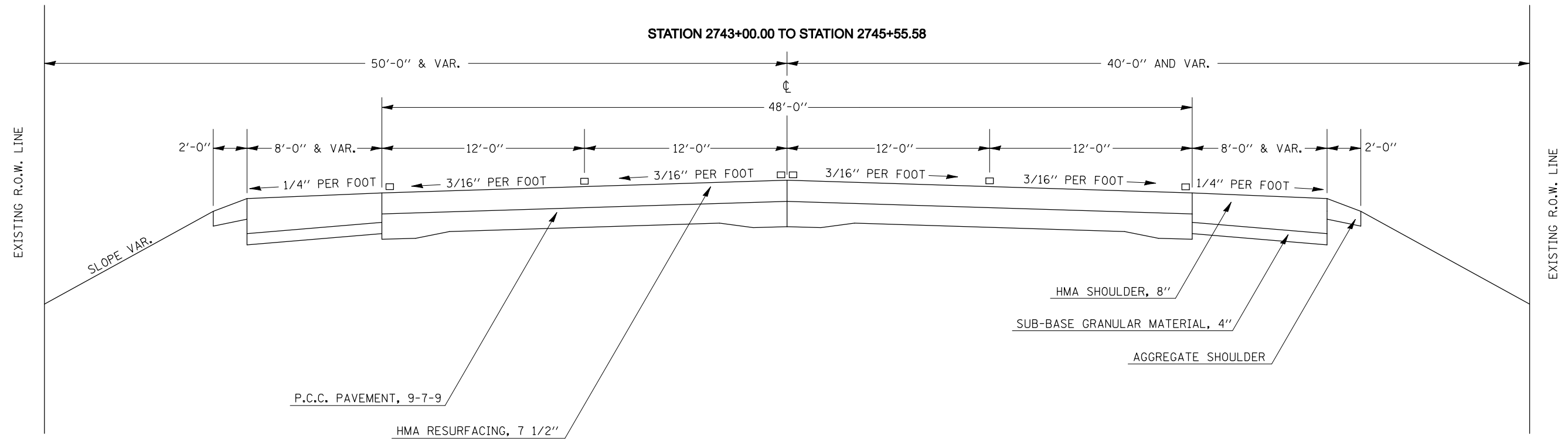
SUMMARY OF QUANTITIES (SHEET 2 OF 3)

LOCATION OF WORK: FAP ROUTE 332
 VERMILION COUNTY
 ROADWAY IMPROVEMENTS
 STA. 2743+00.00 TO STA. 2911+70.00
 URBAN MULTILANE
 FUNDING BREAKOUT: 80% FEDERAL / 20% STATE
 CONSTRUCTION TYPE CODE: I000-2A

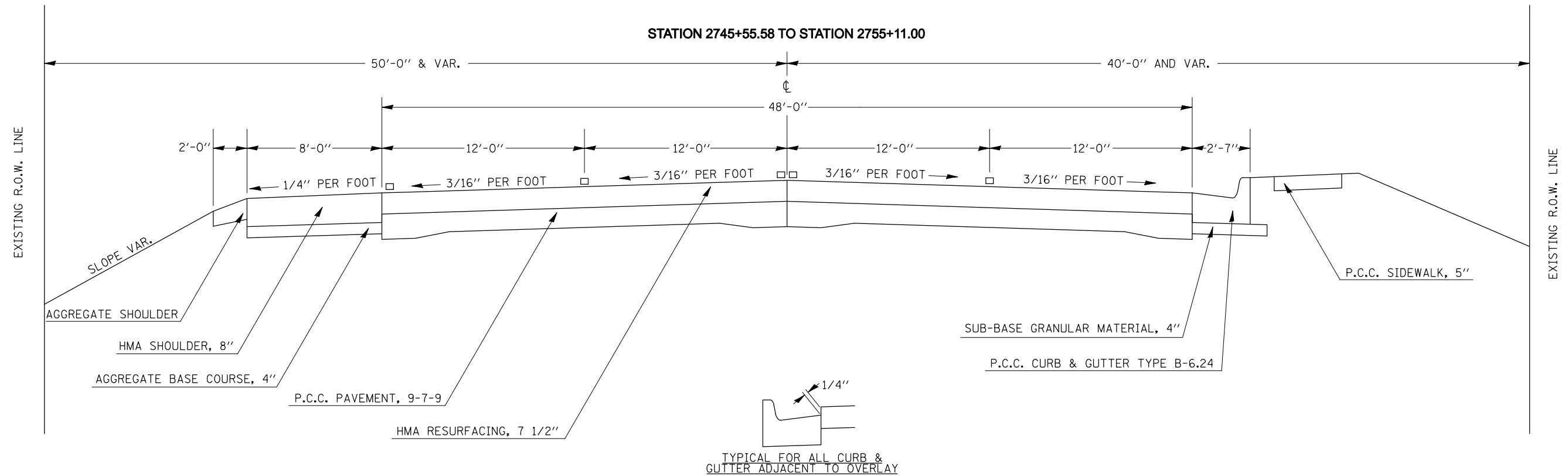
CODE NO	ITEM	UNIT	TOTAL QUANTITY
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	5.0
67100100	MOBILIZATION	L SUM	1.0
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1.0
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1.0
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1.0
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1.0
70300100	SHORT- TERM PAVEMENT MARKING	FOOT	17,500.0
70300210	TEMPORARY PAVEMENT MARKING- LETTERS AND SYMBOLS	SQ FT	845.0
70300220	TEMPORARY PAVEMENT MARKING- LINE 4"	FOOT	39,085.0
70300240	TEMPORARY PAVEMENT MARKING- LINE 6"	FOOT	1,575.0
70300260	TEMPORARY PAVEMENT MARKING- LINE 12"	FOOT	410.0
70300280	TEMPORARY PAVEMENT MARKING- LINE 24"	FOOT	375.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	17,775.0
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	845.0
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	39,085.0
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,575.0
* 78000600	THERMOPLASTIC PAVEMENT MARKING- LINE 12"	FOOT	410.0
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	375.0

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 3/15/2010	DATE -	REVISED -		STA. _____ TO STA. _____					
ILLINOIS FED. AID PROJECT										
CONTRACT NO. 70709										

EXISTING TYPICAL CROSS SECTION



EXISTING TYPICAL CROSS SECTION



FILE NAME =	USER NAME = hoganbj	DESIGNED - BJH	REVISED -
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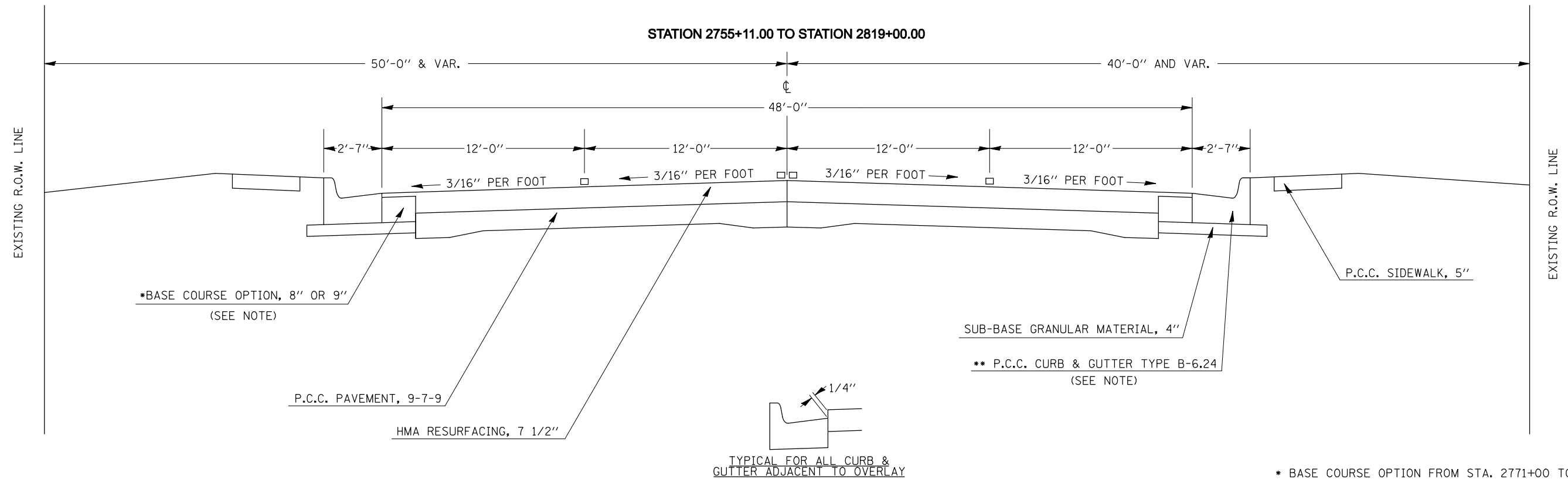
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL CROSS SECTIONS

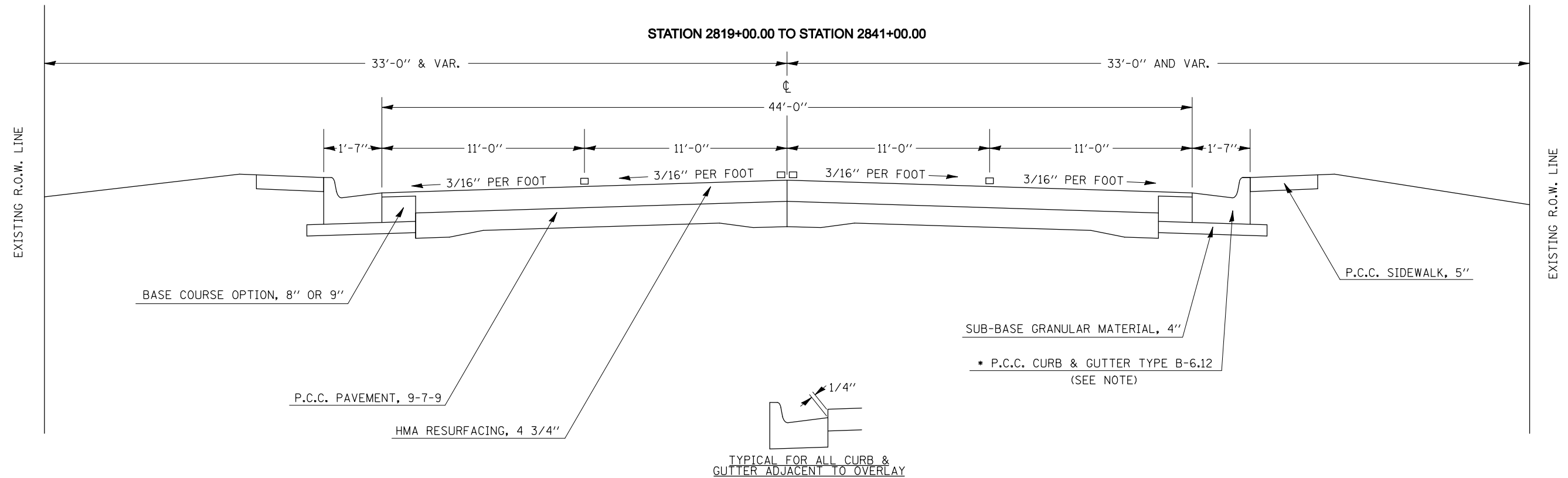
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	7
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL CROSS SECTION



EXISTING TYPICAL CROSS SECTION



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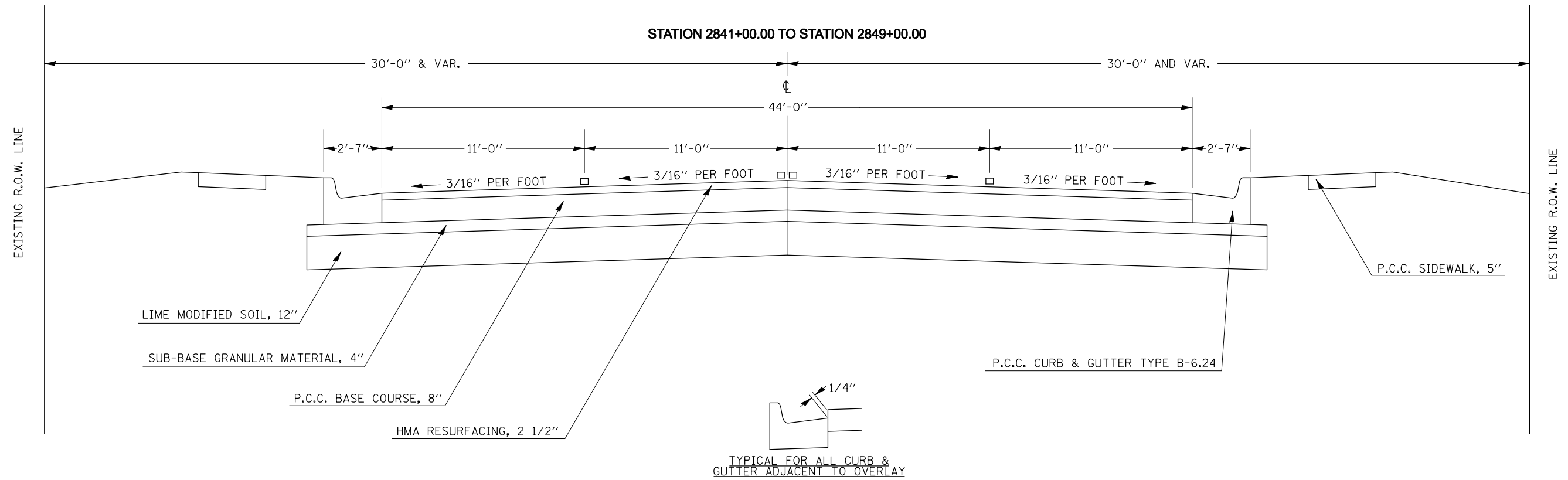
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL CROSS SECTIONS

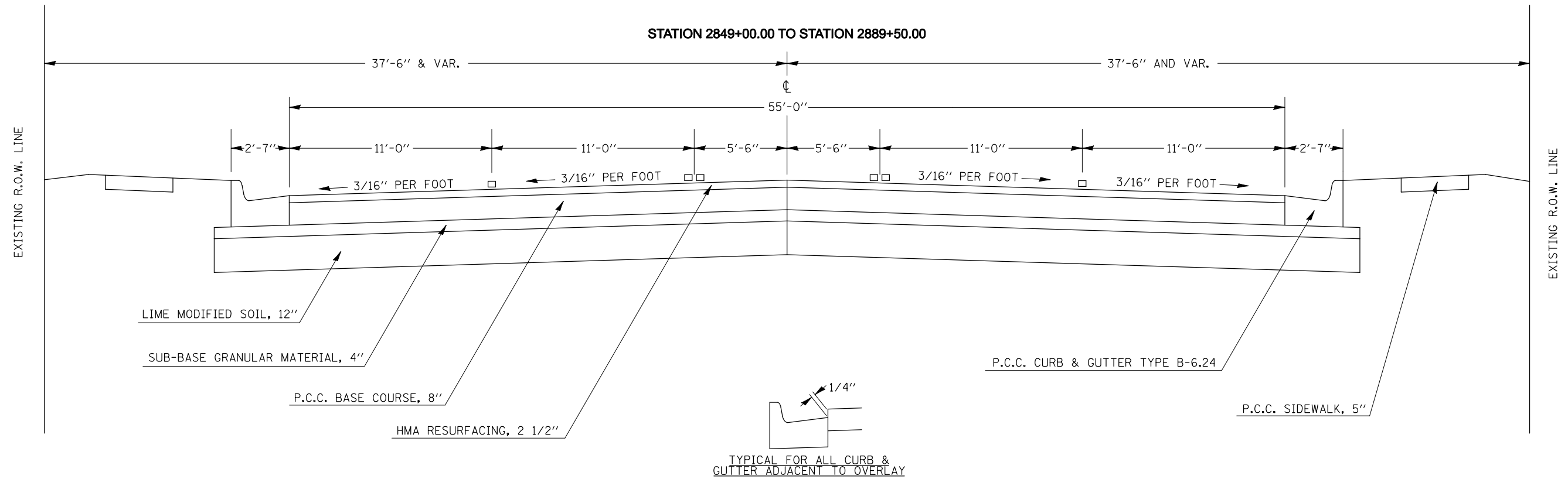
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	8
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL CROSS SECTION



EXISTING TYPICAL CROSS SECTION



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PLOT DATE = 3/15/2010		DATE - 2/22/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

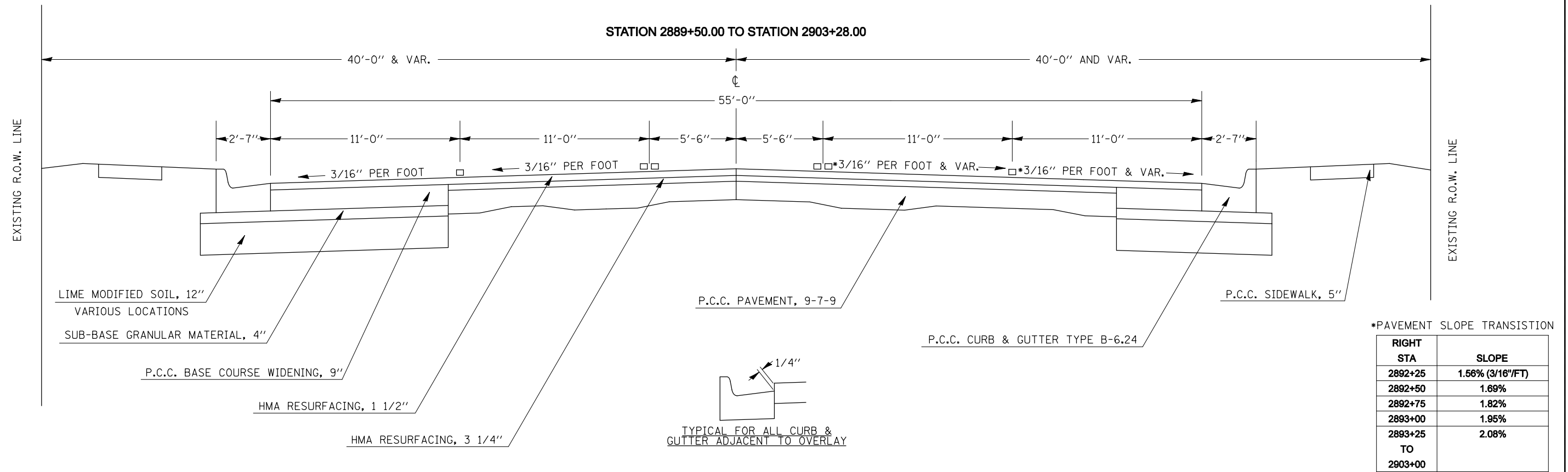
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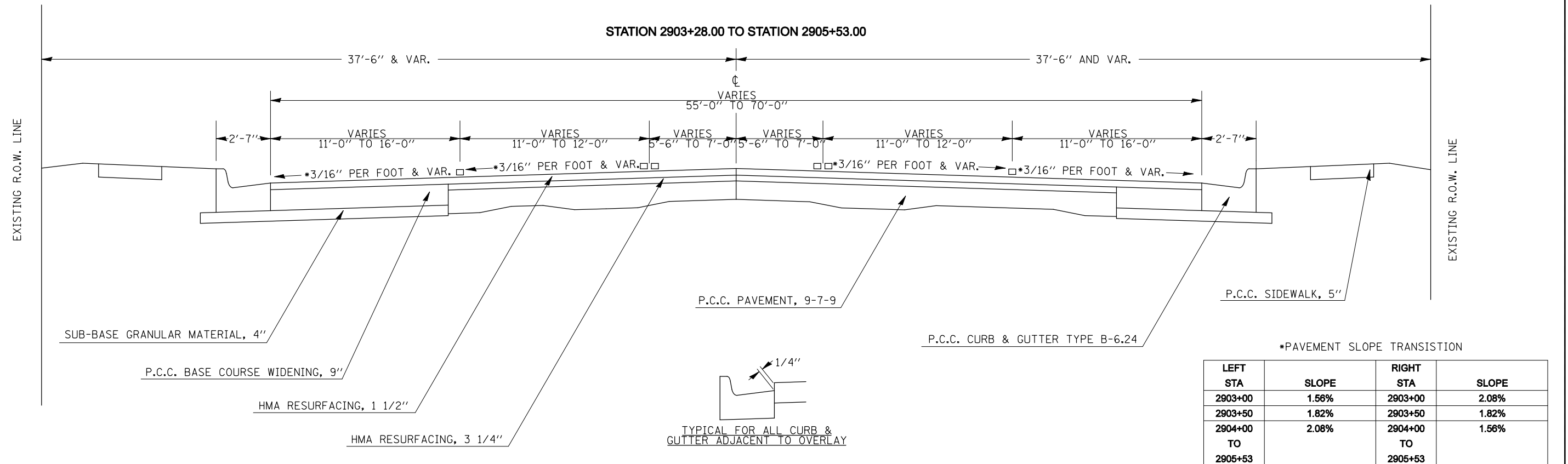
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332	47RS-11	VERMILION	56	9
CONTRACT NO. 70709				

ILLINOIS FED. AID PROJECT

EXISTING TYPICAL CROSS SECTION



EXISTING TYPICAL CROSS SECTION



FILE NAME =	USER NAME = hoganbj	DESIGNED - BJH	REVISED -
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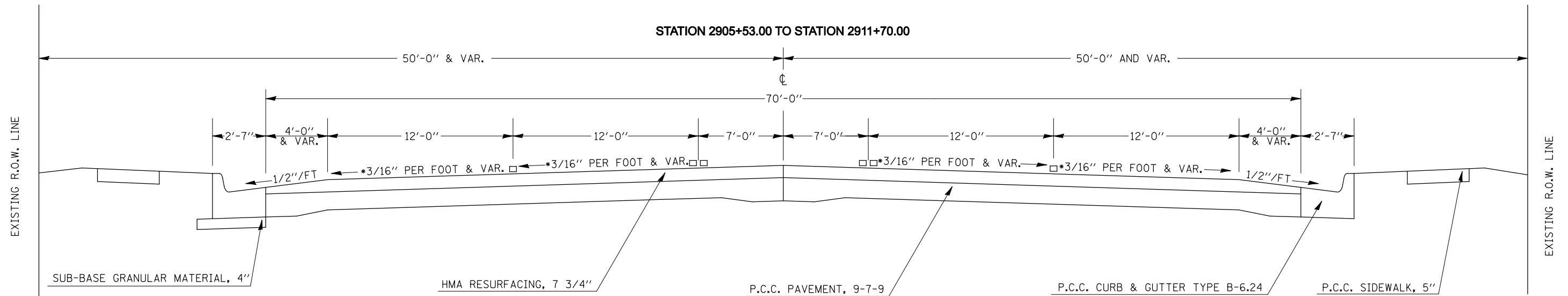
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL CROSS SECTIONS

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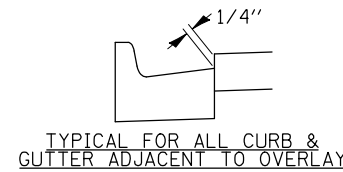
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332	47RS-11	VERMILION	56	10
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL CROSS SECTION

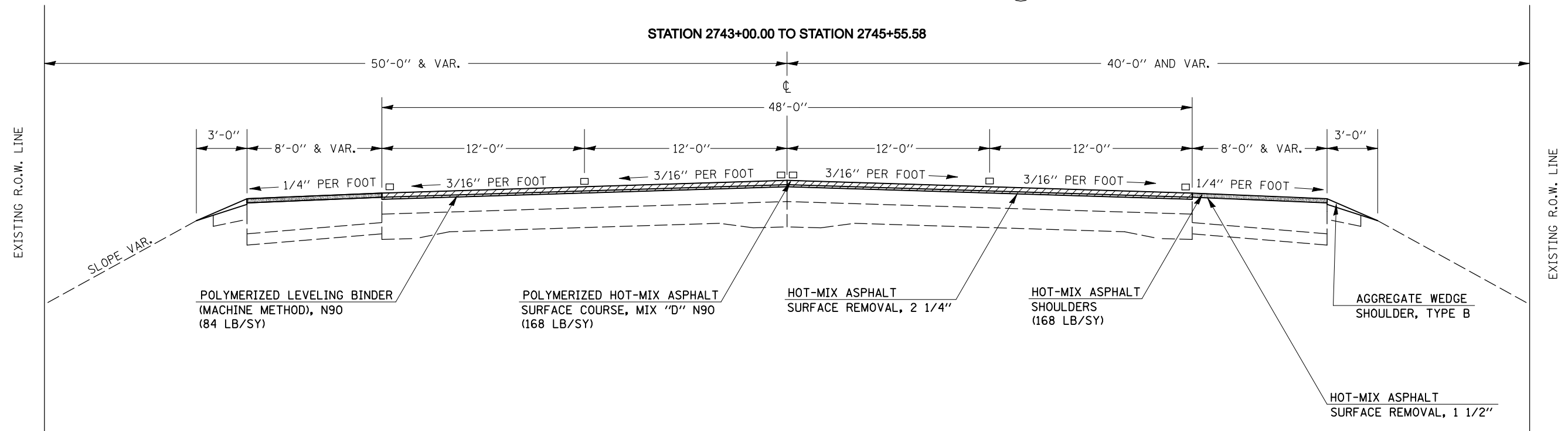


*PAVEMENT SLOPE TRANSITION

LEFT STA	SLOPE	RIGHT STA	SLOPE
2905+53 TO 2911+00	2.08%	2905+53 TO 2911+00	1.56%
2911+50 TO 2912+00	1.97%	2911+50 TO 2912+00	1.82%
	1.85%		2.08%



PROPOSED TYPICAL CROSS SECTION ①



FILE NAME =	USER NAME = hoganbj	DESIGNED - BJH	REVISED -
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PLOT DATE = 3/15/2010		DATE - 2/22/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

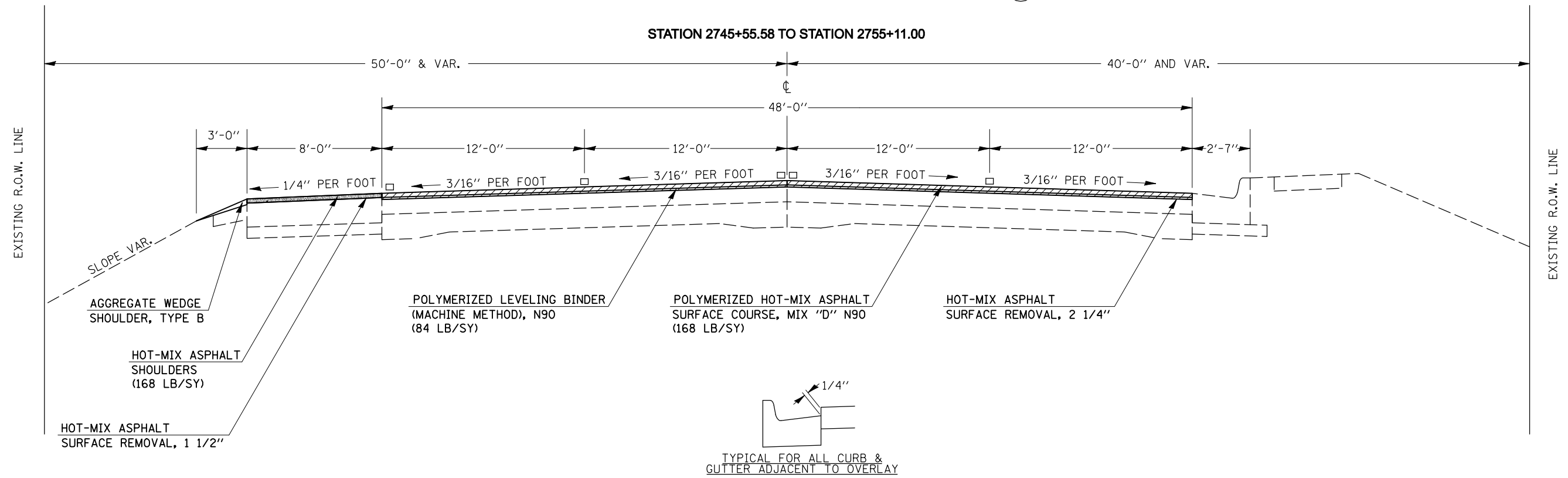
EXISTING & PROPOSED TYPICAL CROSS SECTIONS

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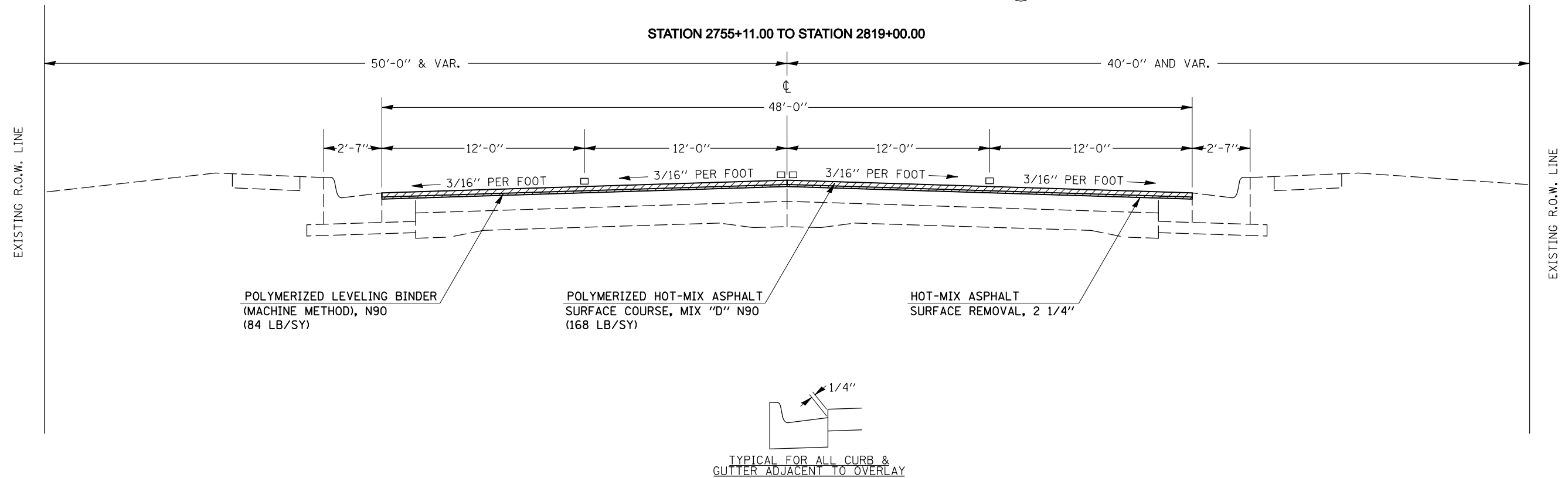
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	11
CONTRACT NO. 70709				

ILLINOIS FED. AID PROJECT

PROPOSED TYPICAL CROSS SECTION ②

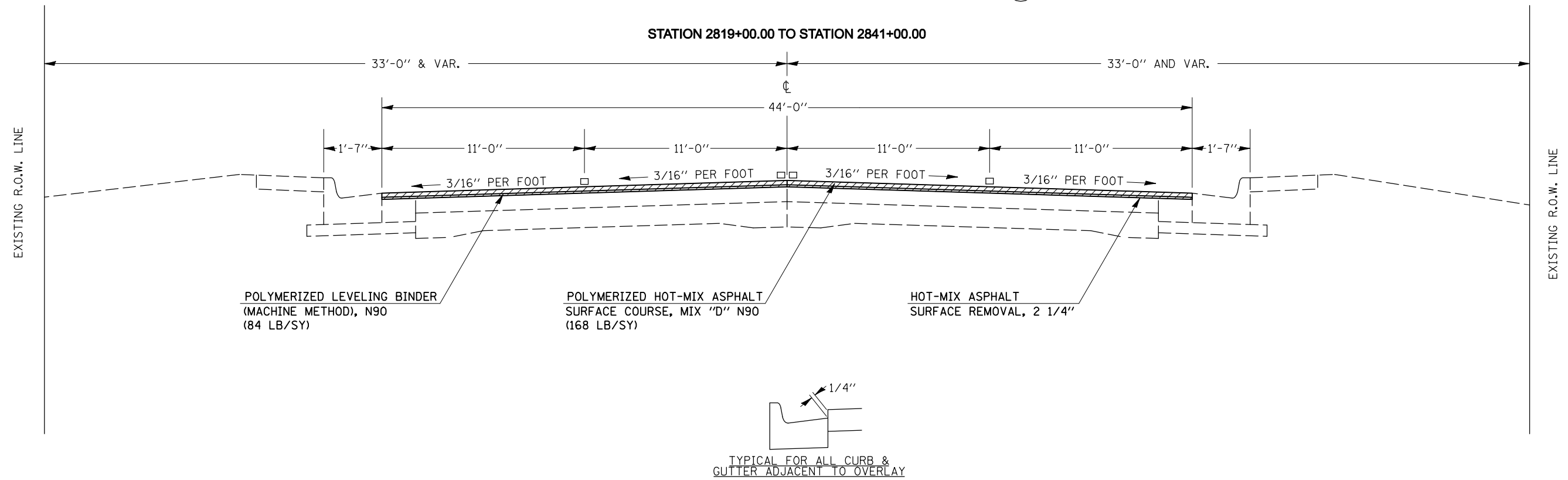


PROPOSED TYPICAL CROSS SECTION ③

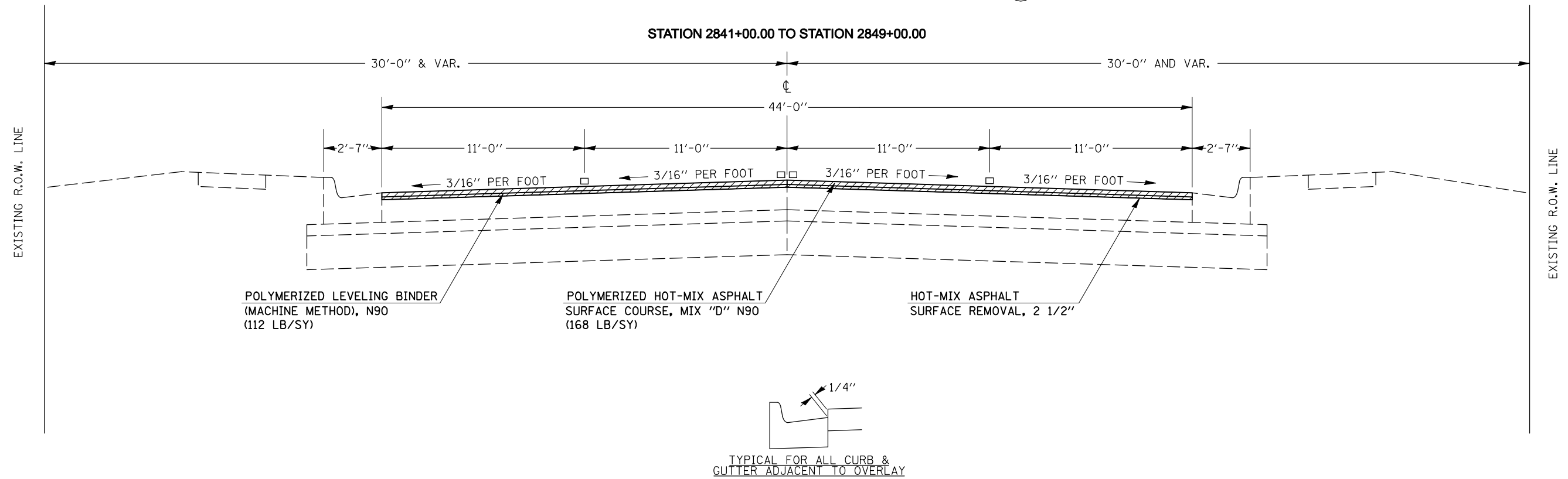


FILE NAME =	USER NAME = hoganbj	DESIGNED - BJH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL CROSS SECTIONS	F.A.P. RTE. 332	SECTION 47RS-11	COUNTY VERMILION	TOTAL SHEETS 56	SHEET NO. 12		
et:\pw\work\PWIDOT\HOGANBJ\d0185087\0574709-shr-typical.dgn		DRAWN - BJH	REVISED -			SCALE: _____	SHEET NO. 6 OF 9 SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 70709			
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT						
PLOT DATE = 3/15/2010		DATE - 2/22/2010	REVISED -									

PROPOSED TYPICAL CROSS SECTION ④

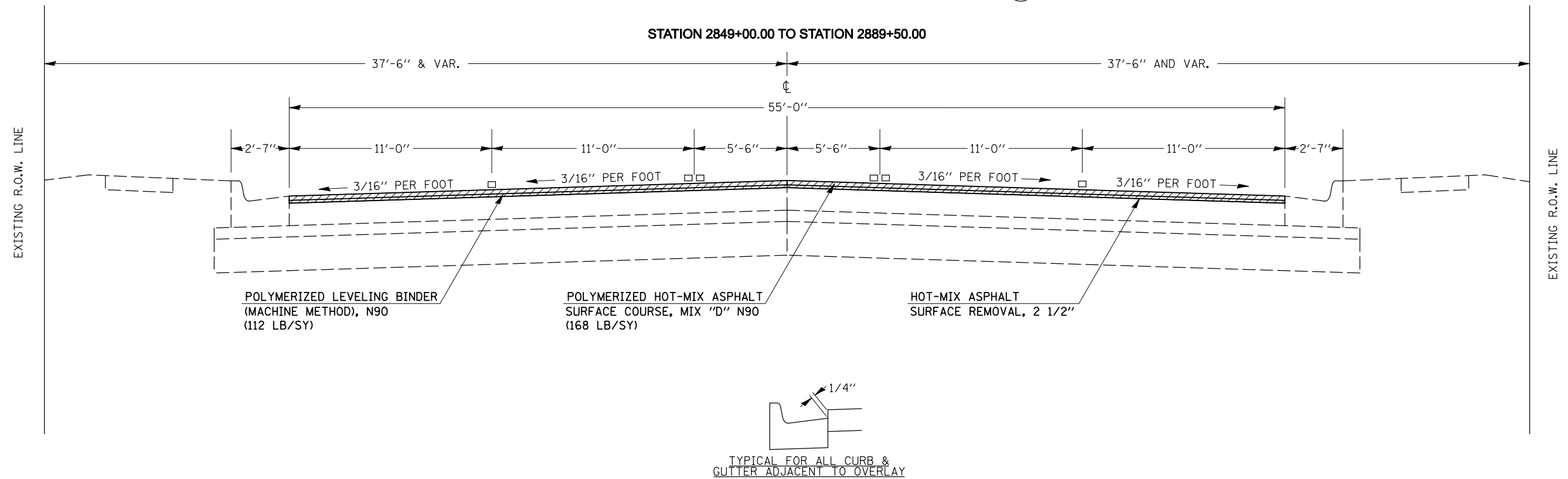


PROPOSED TYPICAL CROSS SECTION ⑤

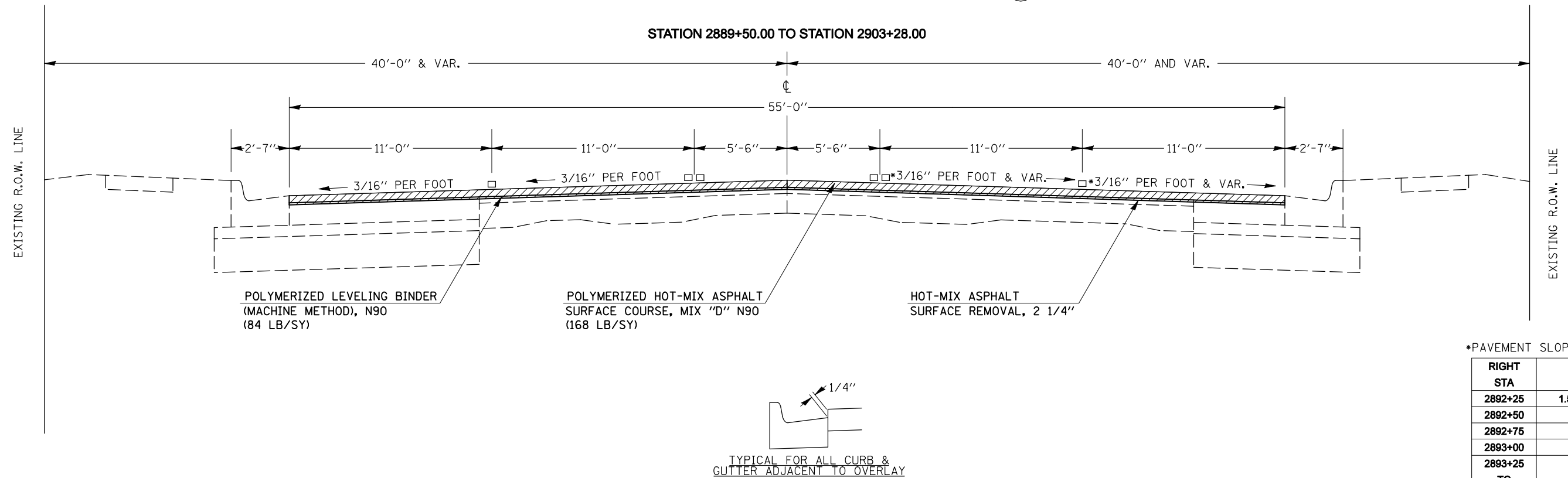


FILE NAME =	USER NAME = hoganbj	DESIGNED - BJH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et\pwork\pwidot\HOGANBJ\d0185087\0570709-shr-typical.dgn		DRAWN - BJH	REVISED -		332	47RS-11	VERMILION	56	13			
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 70709							
PLOT DATE = 3/15/2010		DATE - 2/22/2010	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE: _____	SHEET NO. 7 OF 9 SHEETS	STA. _____ TO STA. _____						

PROPOSED TYPICAL CROSS SECTION ⑥



PROPOSED TYPICAL CROSS SECTION ⑦



•PAVEMENT SLOPE TRANSITION

RIGHT STA	SLOPE
2892+25	1.58% (3/16"/FT)
2892+50	1.69%
2892+75	1.82%
2893+00	1.95%
2893+25 TO 2903+00	2.08%

FILE NAME =	USER NAME = hoganbj	DESIGNED - BJH	REVISED -
ct:\pw\work\PWIDOT\HOGANBJ\d0185087\0574709-sht-typical.dgn		DRAWN - BJH	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE - 2/22/2010	REVISED -

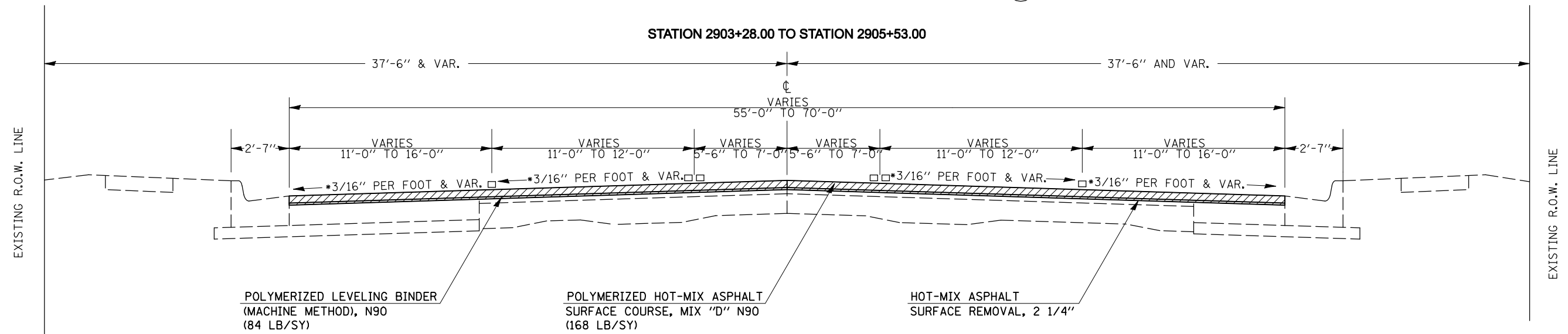
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL CROSS SECTIONS

SCALE: _____ SHEET NO. 8 OF 9 SHEETS STA. _____ TO STA. _____

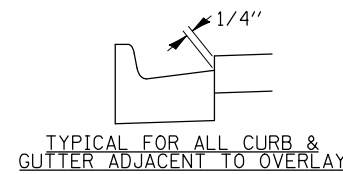
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	14
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				

PROPOSED TYPICAL CROSS SECTION ⑧

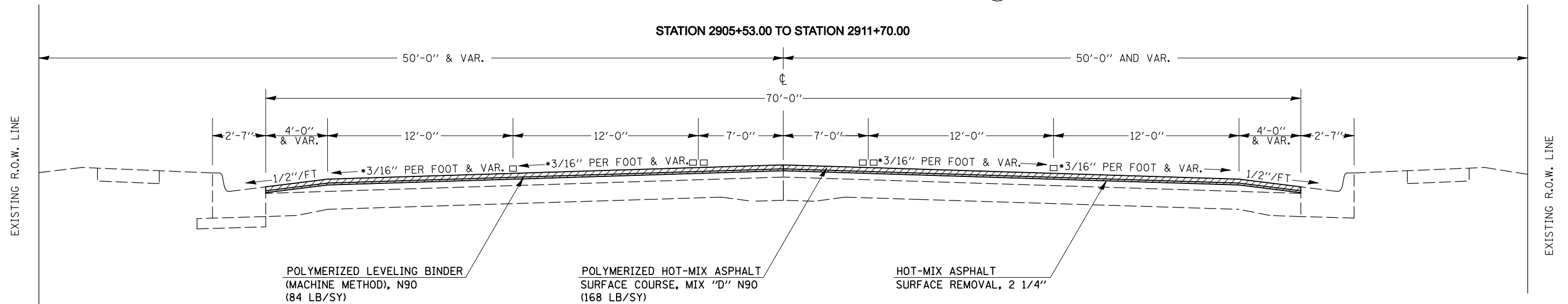


*PAVEMENT SLOPE TRANSITION

LEFT STA	SLOPE	RIGHT STA	SLOPE
2903+00	1.56%	2903+00	2.08%
2903+50	1.82%	2903+50	1.82%
2904+00	2.08%	2904+00	1.56%
TO 2905+53		TO 2905+53	

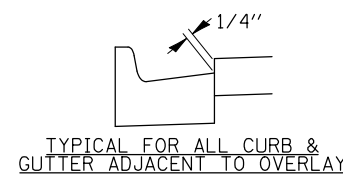


PROPOSED TYPICAL CROSS SECTION ⑨



*PAVEMENT SLOPE TRANSITION

LEFT STA	SLOPE	RIGHT STA	SLOPE
2905+53	2.08%	2905+53	1.56%
TO 2911+00		TO 2911+00	
2911+50	1.97%	2911+50	1.82%
2912+00	1.85%	2912+00	2.08%



FILE NAME =	USER NAME = hoganbj	DESIGNED - BJH	REVISED -
et\pwork\PWIDOT\HOGANBJ\d0185087\0570709-shr-typical.dgn		DRAWN - BJH	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE - 2/22/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL CROSS SECTIONS

SCALE: _____ SHEET NO. 9 OF 9 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	15
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				

SCHEDULES OF QUANTITIES

HOT-MIX ASPHALT AND HOT-MIX ASPHALT SURFACE REMOVAL

LOCATION	STA.	TO	STA.	LENGTH (FEET)	WIDTH (FEET)	AREA (SQ YD)	LEVELING BINDER THICKNESS (IN)	SURFACE THICKNESS (IN)	BIT. MATLS (PRIME COAT) 40600100 (GALLONS)	AGGREGATE (PRIME COAT) 40600300 (TON)	POLYMERIZED LEVELING BINDER (MACHINE METHOD) N90 40600845 (TON)	POLYMERIZED SURFACE COURSE MIX "D", N90 40603545 (TON)	HMA SURFACE REMOVAL, 1 1/2" 44000155 (SQ YD)	HMA SURFACE REMOVAL, 2 1/4" 44000158 (SQ YD)	HMA SURFACE REMOVAL, 2 1/2" 44000159 (SQ YD)	HMA SHOULDERS 48203100 (TON)
NB Shoulder	2743+00.		2745+23.14	223.1	8.0	198.3		1.5	19.8	0.4			198.3			16.7
SB Shoulder	2743+00.		2745+21.12	221.1	8.0	196.6		1.5	19.7	0.4			196.6			16.5
SB Shoulder	2745+90.7		2755+11.	920.3	8.0	818.0		1.5	81.8	1.6			818.0			68.7
FAP 332	2743+00.		2819+00.	7,600.0	48.0	40,533.3	0.75	1.5	4,053.3	81.1	1,702.4	3,404.8		40,533.3		
FAP 332	2819+00.		2841+00.	2,200.0	44.0	10,755.6	0.75	1.5	1,075.6	21.5	451.7	903.5		10,755.6		
FAP 332	2841+00.		2849+00.	800.0	49.5	4,400.0	1	1.5	440.0	8.8	246.4	369.6			4,400.0	
FAP 332	2849+00.		2889+50.	4,050.0	55.0	24,750.0	1	1.5	2,475.0	49.5	1,386.0	2,079.0			24,750.0	
FAP 332	2889+50.		2903+28.	1,378.0	55.0	8,421.1	0.75	1.5	842.1	16.8	353.7	707.4		8,421.1		
FAP 332	2903+28.		2905+53.	225.0	62.5	1,562.5	0.75	1.5	156.3	3.1	65.6	131.3		1,562.5		
FAP 332	2905+53.		2911+70.	617.0	70.0	4,798.9	0.75	1.5	479.9	9.6	201.6	403.1		4,798.9		
TOTALS =									9,643.4	193.0	4,407.4	7,998.6	1,212.9	66,071.4	29,150.0	101.9
ROUND TO:									9,645.0	193.0	4,415.0	8,000.0	1,215.0	66,075.0	29,150.0	110.0

INCIDENTAL HOT-MIX ASPHALT

STATION	LT. OR RT.	NAME	AREA MEAS CADD (SF) (SQ FT)	AREA (SY) (SQ YD)	40600982 HMA SURFACE REMOVAL, BUTT JOINT (SQ YD)	40800010 BITUMINOUS MATERIALS (PRIME COAT) (GALLONS)	40800030 AGGREGATE (PRIME COAT) (TONS)	40800050 INCIDENTAL HMA SURFACING (TONS)
2745+55.55	LT.	CLINGAN LANE	1573.40	174.8	174.8	17.5	0.35	14.7
2745+55.55	RT.	CLINGAN LANE	1168.10	129.8	129.8	13.0	0.26	10.9
2825+82.07	RT.	MAIN STREET	3379.40	375.5	375.5	37.5	0.75	31.5
2908+63.61	RT.	LYONS ROAD	7663.70	851.5	851.5	85.2	1.70	71.5
2908+71.00	LT.	CATLIN ROAD	5924.70	658.3	658.3	65.8	1.32	55.3
TOTALS =					2,189.9	219.0	4.38	184.0
ROUND TO:					2,190.0	220.0	5.0	190.0

SCHEDULES OF QUANTITIES

40600990 TEMPORARY RAMP

STATION	LT. OR RT.	NAME	LIP THICKNESS (in)	LENGTH (feet)	WIDTH (feet)	AREA (SQ YD)
2743+00.00	BOTH	FAP 332	2.25	7.5	64.0	53.3
2745+55.55	LT.	CLINGAN LANE	1.50	5.0	26.0	14.4
2745+55.55	RT.	CLINGAN LANE	1.50	5.0	26.0	14.4
2825+82.07	RT.	MAIN STREET	1.50	5.0	34.0	18.9
2908+63.61	RT.	LYONS ROAD	1.50	5.0	32.0	17.8
2908+71.00	LT.	CATLIN ROAD	1.50	5.0	42.0	23.3
2911+70	BOTH	FAP 332	2.25	7.5	70.0	58.3
TOTALS =						200.6
ROUND TO:						201.0

45100200 CRACK FILLING

STA.	TO	STA.	LENGTH (FEET)	# WIDENING JOINTS	CRACK FILLER (POUNDS)
2755+11		2841+00	8589.0'	2	6,871.2
2889+50		2905+53	1603.0'	2	1,282.4
TOTAL =					8,153.6
ROUND TO:					8,200.0

48102100 AGGREGATE WEDGE SHOULDER, TYPE B

LOCATION	STA.	TO	STA.	LENGTH (FEET)	WIDTH (FEET)	AREA (SQ YD)	AVERAGE AGG. SHOULDER THICKNESS (IN)	AGG. WEDGE SHOULDER, TYPE B (TON)
NB SHOULDER	2743+00		2745+30	230	3	76.7	1.5	5.8
SB SHOULDER	2743+00		2745+30	230	3	76.7	1.5	5.8
SB SHOULDER	2745+83		2755+11	928	3	309.3	1.5	23.2
TOTAL =								34.7
ROUND TO:								35

PARTIAL DEPTH PATCHING

STATION	LANE	EXISTING HMA THICKNESS (IN)	LENGTH (FT)	WIDTH (FT)	PARTIAL DEPTH REMOVAL X4401705 (SQ YD)	PARTIAL DEPTH PATCHING X4421000 (TON)
2746+00	SBDL	5.25	6.0	12.0	8.0	3.7
2746+00	SBPL	5.25	6.0	12.0	8.0	3.7
2767+50	SBDL	5.25	6.0	12.0	8.0	3.7
2770+11	SBDL	5.25	6.0	12.0	8.0	3.7
2820+45	NBDL	2.50	30.0	11.0	36.7	11.3
2824+55	SBDL	2.50	6.0	11.0	7.3	2.3
2824+55	SBPL	2.50	6.0	11.0	7.3	2.3
2824+55	NBDL	2.50	6.0	11.0	7.3	2.3
2824+55	NBPL	2.50	6.0	11.0	7.3	2.3
2826+13	SBDL	2.50	6.0	11.0	7.3	2.3
2826+13	SBPL	2.50	6.0	11.0	7.3	2.3
2826+13	NBDL	2.50	6.0	11.0	7.3	2.3
2826+13	NBPL	2.50	6.0	11.0	7.3	2.3
2826+78	SBDL	2.50	6.0	11.0	7.3	2.3
2826+78	SBPL	2.50	6.0	11.0	7.3	2.3
2826+78	NBDL	2.50	6.0	11.0	7.3	2.3
2826+78	NBPL	2.50	6.0	11.0	7.3	2.3
2871+13	NBDL	0.00	6.0	11.0	7.3	1.3
TOTALS =					163.6	55.0
ROUND TO:					165.0	55.0

78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"

STA.	STOP BAR STREET	APPROACH	24" WHITE (FOOT)
2745+50	Clingan Ln.	West	22.0
2745+72	Clingan Ln.	East	22.0
2825+30	FAP 332	South	22.0
2825+90	Main St.	East	25.0
2826+32	FAP 332	North	24.0
2836+70	FAP 332	South	22.0
2837+60	FAP 332	North	22.0
2864+81	FAP 332	South	32.0
2865+92	FAP 332	North	24.0
2908+14	FAP 332	South	47.0
2908+40	Catlin Rd.	West	33.0
2909+00	Lyons Rd.	East	38.0
2909+37	FAP 332	North	39.0
TOTAL =			372.0
ROUND TO:			375.0

SCHEDULES OF QUANTITIES

78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS

STA.	SYMBOL	QUANTITY	SYMBOL AREA (SQ FT)
2850+13	Tum Arrow	1	15.6
2850+37	Tum Arrow	1	15.6
2853+30	Tum Arrow	1	15.6
2853+54	Tum Arrow	1	15.6
2856+43	Tum Arrow	1	15.6
2856+67	Tum Arrow	1	15.6
2859+13	Tum Arrow	1	15.6
2859+37	Tum Arrow	1	15.6
2861+65.5	Tum Arrow	1	15.6
2861+89.5	Tum Arrow	1	15.6
2863+81	Tum Arrow	1	15.6
2864+22	Tum Arrow	1	15.6
2864+63	Tum Arrow	1	15.6
2867+43.5	Tum Arrow	1	15.6
2867+67.5	Tum Arrow	1	15.6
2869+93.5	Tum Arrow	1	15.6
2870+17.5	Tum Arrow	1	15.6
2871+78.5	Tum Arrow	1	15.6
2872+02.5	Tum Arrow	1	15.6
2874+28.5	Tum Arrow	1	15.6
2874+52.5	Tum Arrow	1	15.6
2875+40	Tum Arrow	1	15.6
2875+64	Tum Arrow	1	15.6
2877+90	Tum Arrow	1	15.6
2878+14	Tum Arrow	1	15.6
2879+85.5	Tum Arrow	1	15.6
2880+09.5	Tum Arrow	1	15.6
2882+18	Tum Arrow	1	15.6
2883+00	Tum Arrow	1	15.6
2884+37	Tum Arrow	1	15.6
2884+61	Tum Arrow	1	15.6
2886+87	Tum Arrow	1	15.6
2887+11	Tum Arrow	1	15.6
2889+37	Tum Arrow	1	15.6
2889+61	Tum Arrow	1	15.6
2890+77	Tum Arrow	1	15.6
2891+01	Tum Arrow	1	15.6
2893+27	Tum Arrow	1	15.6
2893+51	Tum Arrow	1	15.6
2895+77	Tum Arrow	1	15.6
2896+01	Tum Arrow	1	15.6
2898+27	Tum Arrow	1	15.6
2898+51	Tum Arrow	1	15.6
2899+76.5	Tum Arrow	1	15.6
2900+00.5	Tum Arrow	1	15.6
2902+26.5	Tum Arrow	1	15.6
2902+50.5	Tum Arrow	1	15.6
2904+76.5	Tum Arrow	1	15.6
2905+00.5	Tum Arrow	1	15.6
2906+97	Tum Arrow	1	15.6
2907+46	Tum Arrow	1	15.6
2907+95	Tum Arrow	1	15.6
2909+56	Tum Arrow	1	15.6
2910+38	Tum Arrow	1	15.6
TOTAL =			842.4
ROUND TO:			845.0

78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

STA.	TO	STA.	DISTANCE (FEET)	4" WHITE (FOOT)	4" YELLOW (FOOT)
2743+00		2745+17	217.0	554.0	434.0
2745+17		2749+50	433.0	530.0	704.0
2749+50		2752+21	271.0	391.0	386.0
2752+21		2758+55	634.0	575.0	1,090.0
2758+55		2763+02	447.0	200.0	738.0
2763+02		2764+40	138.0	40.0	100.0
2764+40		2765+98	158.0	50.0	162.0
2765+98		2767+50	152.0	40.0	160.0
2767+50		2769+83	233.0	100.0	322.0
2769+83		2772+00	217.0	90.0	284.0
2772+00		2774+46	246.0	110.0	342.0
2774+46		2779+09	463.0	210.0	768.0
2779+09		2782+44	335.0	140.0	520.0
2782+44		2787+04	460.0	200.0	770.0
2787+04		2791+64	460.0	180.0	728.0
2791+64		2795+72	408.0	180.0	678.0
2795+72		2799+40	368.0	170.0	580.0
2799+40		2803+08	368.0	170.0	580.0
2803+08		2804+43	135.0	50.0	116.0
2804+43		2806+75	232.0	90.0	304.0
2806+75		2810+36	361.0	120.0	428.0
2810+36		2814+28	392.0	170.0	628.0
2814+28		2819+24	496.0	230.0	836.0
2819+24		2821+14	190.0	60.0	228.0
2821+14		2822+26	112.0	40.0	72.0
2822+26		2825+30	304.0	140.0	456.0
2825+30		2831+48	618.0	260.0	1,032.0
2831+48		2835+50	402.0	180.0	660.0
2835+50		2836+69	119.0	50.0	82.0
2836+69		2839+00	231.0	80.0	278.0
2839+00		2841+87	287.0	130.0	438.0
2841+87		2843+00	113.0	30.0	76.0
2843+00		2845+43	243.0	140.0	972.0
2845+43		2846+78	135.0	50.0	312.0
2846+78		2848+32	154.0	70.0	368.0
2848+32		2851+50	318.0	150.0	640.0
2851+50		2854+61	311.0	130.0	620.0
2854+61		2857+70	309.0	140.0	582.0
2857+70		2862+57	487.0	220.0	1,018.0
2862+57		2864+81	224.0	220.0	448.0
2864+81		2866+47	166.0	20.0	220.0
2866+47		2870+90	443.0	220.0	1,106.0
2870+90		2874+62	372.0	160.0	726.0
2874+62		2878+14	352.0	160.0	688.0
2878+14		2881+00	286.0	120.0	500.0
2881+00		2884+32	332.0	220.0	464.0
2884+32		2889+67	535.0	260.0	1,330.0
2889+67		2898+58	891.0	400.0	1,978.0
2898+58		2905+53	695.0	320.0	1,560.0
2905+53		2906+97	144.0	80.0	576.0
2906+97		2908+12	115.0	175.0	230.0
2908+12		2910+38	226.0	159.0	198.0
2910+38		2911+70	132.0	60.0	528.0
TOTAL =				9,034.0	30,044.0
ROUND TO:				9,035.0	30,050.0

GRAND TOTAL = 9,035.0 + 30,050.0 = 39,085.0 FEET OF 4" LINE

78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"

STA.	CROSSWALKS STREET	APPROACH	6" WHITE (FOOT)
2825+50	FAP 332	South 1	60.0
2825+56	FAP 332	South 2	58.0
2826+19	FAP 332	North 1	52.0
2826+25	FAP 332	North 2	52.0
2825+82	Main St.	East 1	68.0
2825+82	Main St.	East 2	61.0
2837+48	FAP 332	North 1	48.0
2837+54	FAP 332	North 2	46.0
2865+83	FAP 332	North 1	60.0
2865+89	FAP 332	North 2	58.0
2908+21	FAP 332	South 1	103.0
2908+27	FAP 332	South 2	107.0
2908+71	Catlin Rd.	West 1	74.0
2908+71	Catlin Rd.	West 2	72.0
2909+14	FAP 332	North 1	119.0
2909+20	FAP 332	North 2	110.0
2908+64	Lyons Rd.	East 1	98.0
2908+64	Lyons Rd.	East 2	89.0
SUBTOTAL =			1,335.0

STA.	ISLAND BORDERS STREET	APPROACH	6" WHITE (FOOT)
2908+37	Catlin Rd.	West	108.0
2909+00	Lyons Rd.	East	125.0
SUBTOTAL =			233.0

GRAND TOTAL = 1,335.0 + 233.0 = 1,568.0 FEET OF 6" LINE
ROUND TO: 1,575.0

78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

STA.	TO	STA.	12" YELLOW (FOOT)
2843+70		2845+43	45.0
2846+00		2846+77	33.0
2847+40		2848+32	50.0
2865+93		2866+46	35.0
2905+53		2906+97	55.0
2910+38		2911+70	58.0
SUBTOTAL =			276.0

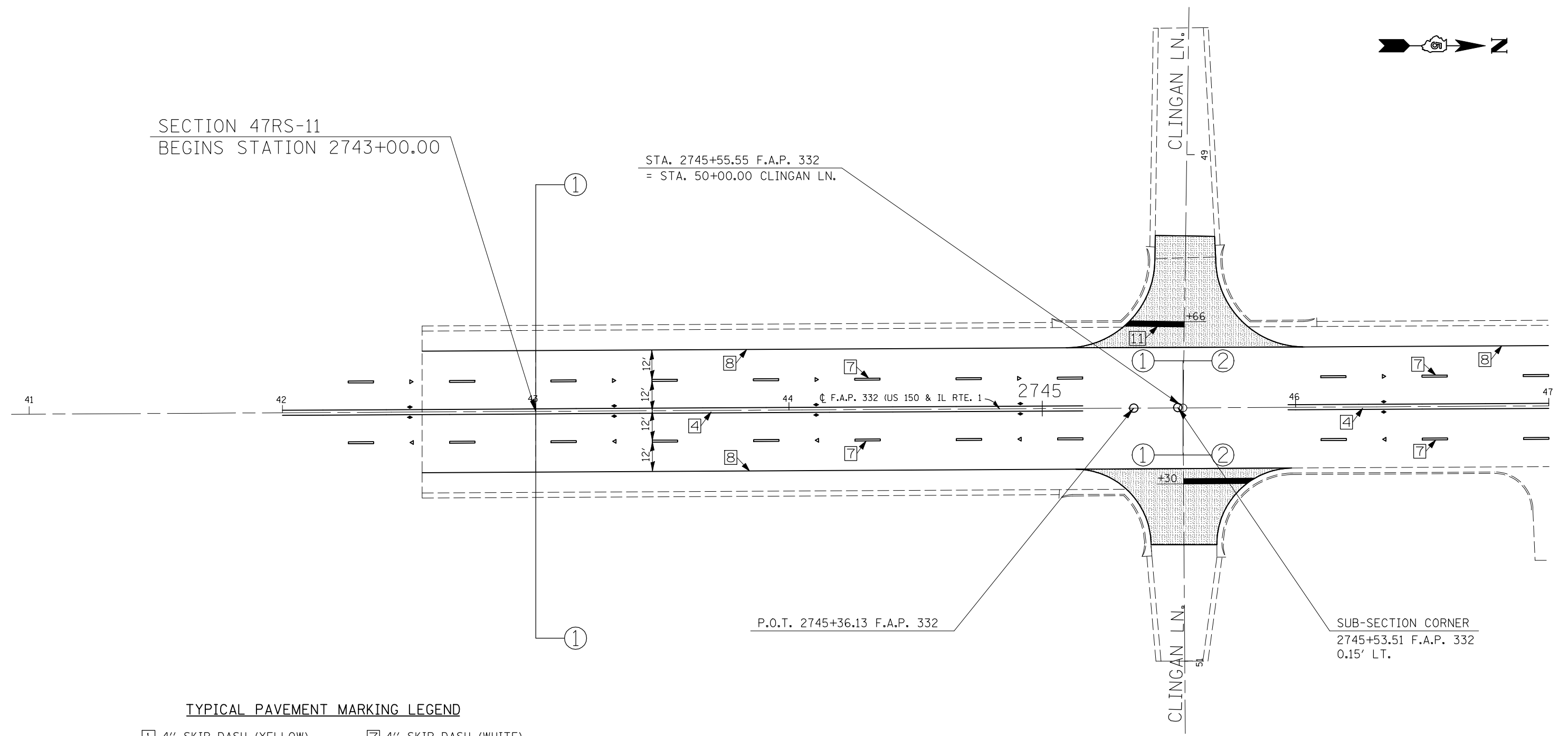
STA.	STREET	APPROACH	12" WHITE (FOOT)
2908+37	Catlin Rd.	West	61.0
2909+00	Lyons Rd.	East	71.0
SUBTOTAL =			132.0

GRAND TOTAL = 276.0 + 132.0 = 408.0 FEET OF 12" LINE
ROUND TO: 410.0 FEET



SECTION 47RS-11
 BEGINS STATION 2743+00.00

STA. 2745+55.55 F.A.P. 332
 = STA. 50+00.00 CLINGAN LN.



TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|--------------------------|
| ① 4" SKIP-DASH (YELLOW) | ⑦ 4" SKIP-DASH (WHITE) |
| ② 4" SOLID (YELLOW) | ⑧ 4" SOLID (WHITE) |
| ③ 12" DIAGONAL (YELLOW) | ⑨ 12" DIAGONAL (WHITE) |
| ④ 4" DOUBLE YELLOW (NARROW) | ⑩ 6" SOLID (WHITE) |
| ⑤ 4" DOUBLE YELLOW (WIDE) | ⑪ 24" STOP BAR (WHITE) |
| ⑥ | ⑫ 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◄ AMBER ONE-WAY MARKER | |

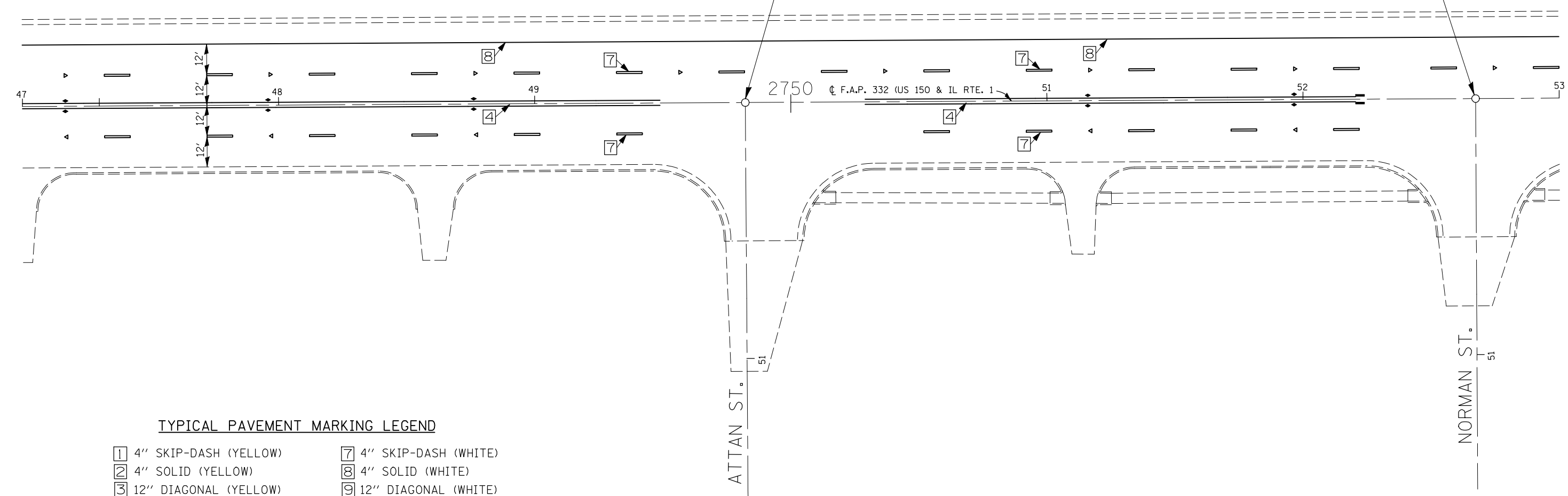
H.M.A. SURFACE REM. BUTT JOINT

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\HOGANBJ\d0185087\d570709.sht\pmk.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 29 SHEETS	STA. 2743+00 TO STA. 2747+00	332	47RS-11	VERMILION	56	20
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -					CONTRACT NO. 70709				
PLOT DATE = 3/15/2010		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



STA. 2749+82.24 F.A.P. 332
 = STA. 50+00.00 ATTAN ST.
 $\Delta = 89^{\circ}54'48''$ RT.

STA. 2752+67.38 F.A.P. 332
 = STA. 50+00.00 NORMAN ST.
 $\Delta = 89^{\circ}54'48''$ RT.



TYPICAL PAVEMENT MARKING LEGEND

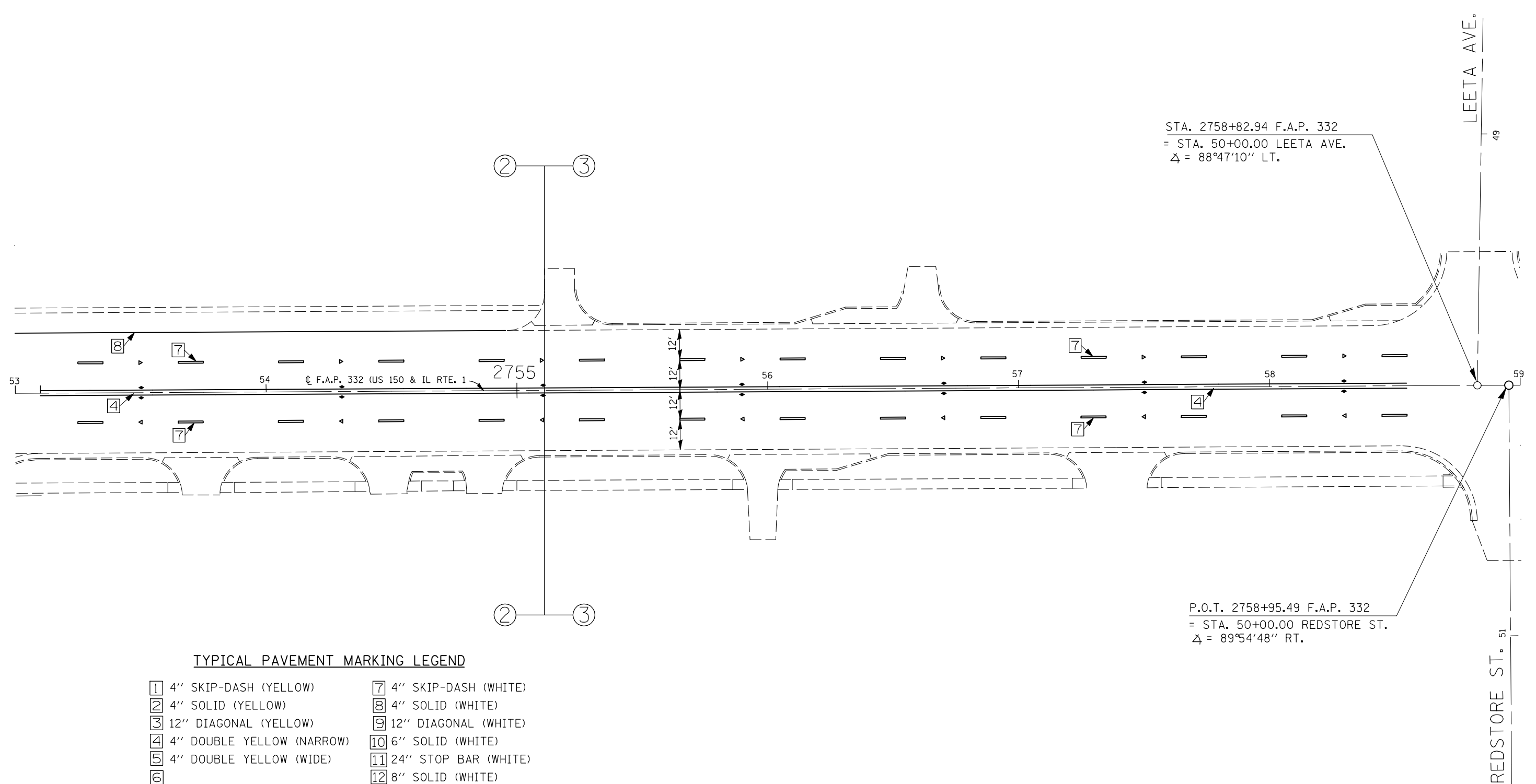
- | | |
|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◀ AMBER ONE-WAY MARKER | |

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS		
SCALE:	SHEET NO. 2 OF 29 SHEETS	STA. 2747+00 TO STA. 2753+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	21
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



STA. 2758+82.94 F.A.P. 332
 = STA. 50+00.00 LEETA AVE.
 $\Delta = 88^{\circ}47'10''$ LT.

P.O.T. 2758+95.49 F.A.P. 332
 = STA. 50+00.00 REDSTORE ST.
 $\Delta = 89^{\circ}54'48''$ RT.

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◀ AMBER ONE-WAY MARKER | |

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: SHEET NO. 3 OF 29 SHEETS STA. 2753+00 TO STA. 2759+00

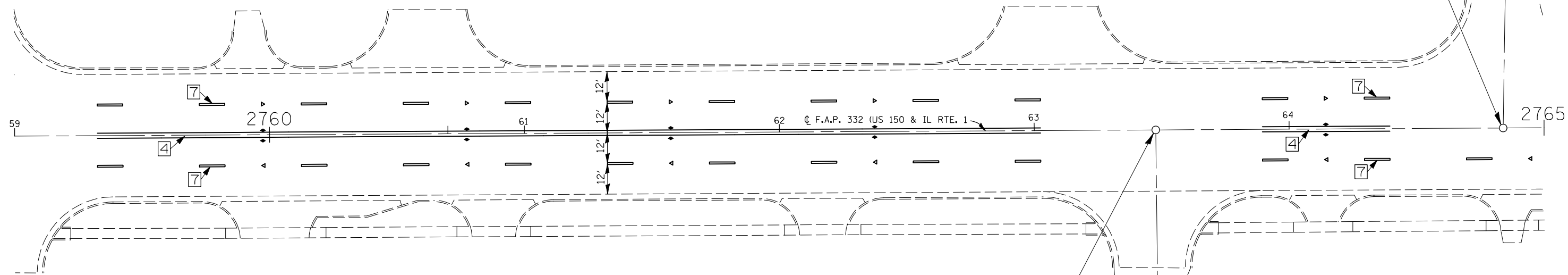
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	22
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



STA. 2764+83.94 F.A.P. 332
 = STA. 50+00.00 BLANCH AVE.
 $\Delta = 88^{\circ}47'10''$ LT.

BLANCH AVE.

49



STA. 2763+47.67 F.A.P. 332
 = STA. 50+00.00 TOPHAM ST.
 $\Delta = 89^{\circ}38'35''$ RT.

TOPHAM ST.
 51

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|-------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
- ◆ AMBER TWO-WAY MARKER ◁ CRYSTAL ONE-WAY MARKER
 ▲ AMBER ONE-WAY MARKER

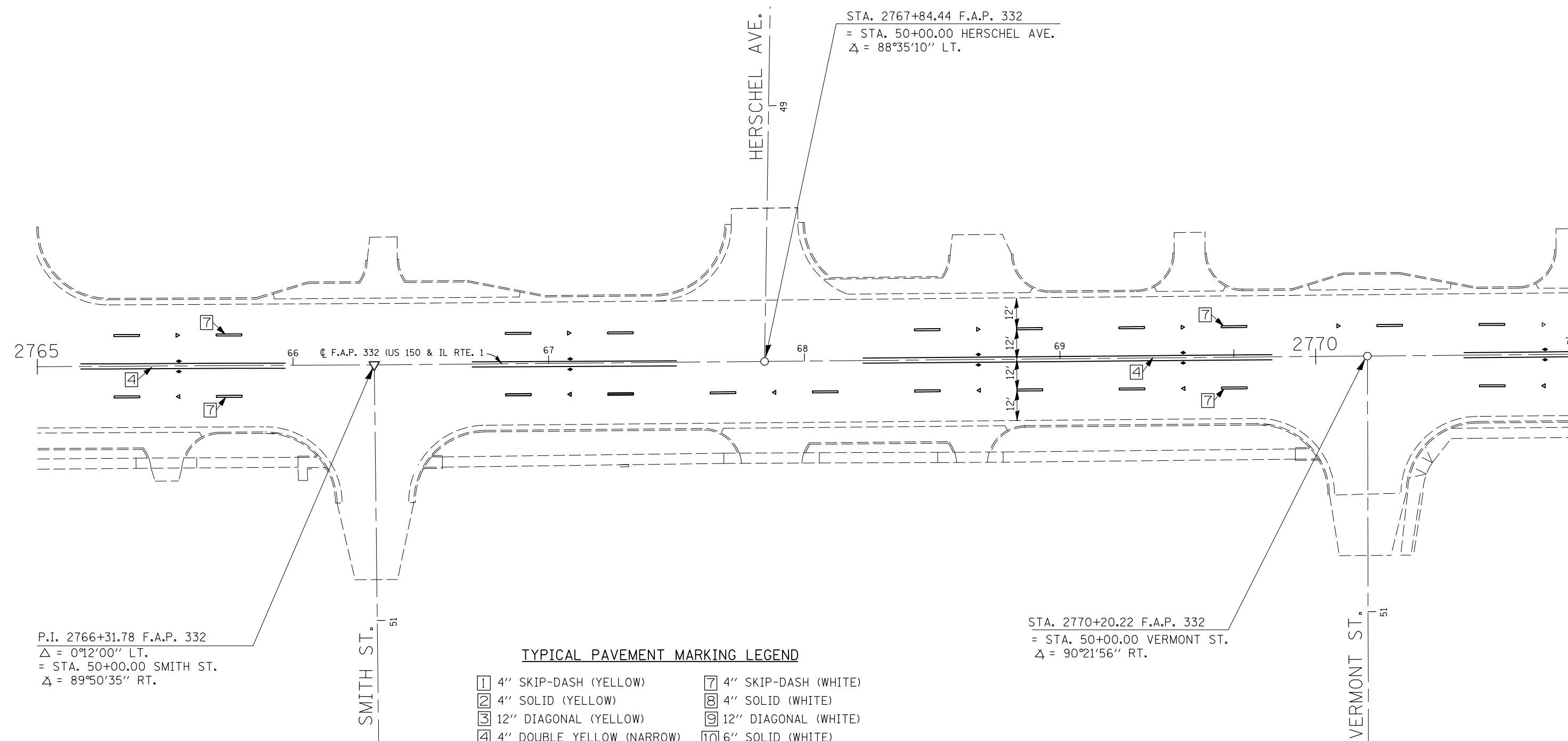
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: SHEET NO. 4 OF 29 SHEETS STA. 2759+00 TO STA. 2765+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	23
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



P.I. 2766+31.78 F.A.P. 332
 $\Delta = 0^{\circ}12'00''$ LT.
= STA. 50+00.00 SMITH ST.
 $\Delta = 89^{\circ}50'35''$ RT.

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|-------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
- ◆ AMBER TWO-WAY MARKER ◁ CRYSTAL ONE-WAY MARKER
 ▲ AMBER ONE-WAY MARKER

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PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 3/15/2010	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: SHEET NO. 5 OF 29 SHEETS STA. 2765+00 TO STA. 2771+00

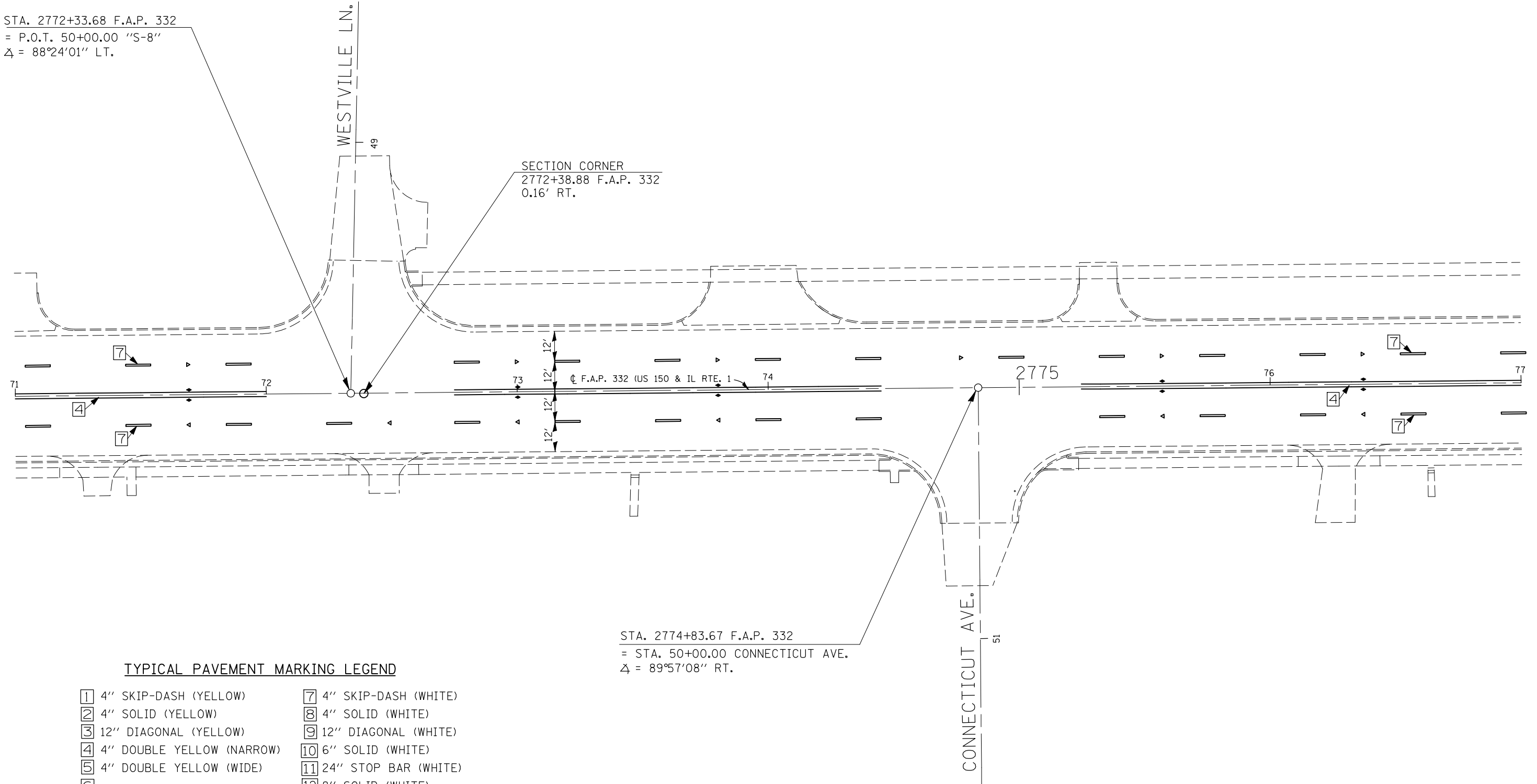
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	24
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



STA. 2772+33.68 F.A.P. 332
 = P.O.T. 50+00.00 "S-8"
 $\Delta = 88^{\circ}24'01''$ LT.

WESTVILLE LN.

SECTION CORNER
 2772+38.88 F.A.P. 332
 0.16' RT.



STA. 2774+83.67 F.A.P. 332
 = STA. 50+00.00 CONNECTICUT AVE.
 $\Delta = 89^{\circ}57'08''$ RT.

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|-------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
- ◆ AMBER TWO-WAY MARKER ◁ CRYSTAL ONE-WAY MARKER
 ◀ AMBER ONE-WAY MARKER

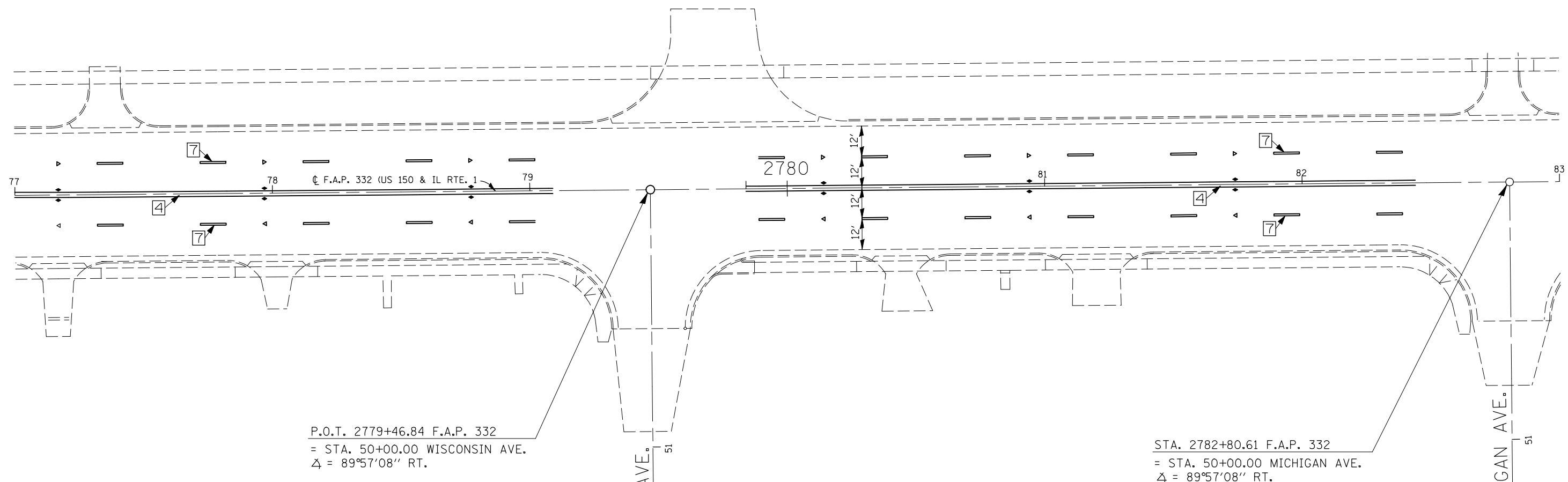
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: SHEET NO. 6 OF 29 SHEETS STA. 2771+00 TO STA. 2777+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	25
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◀ AMBER ONE-WAY MARKER | |

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

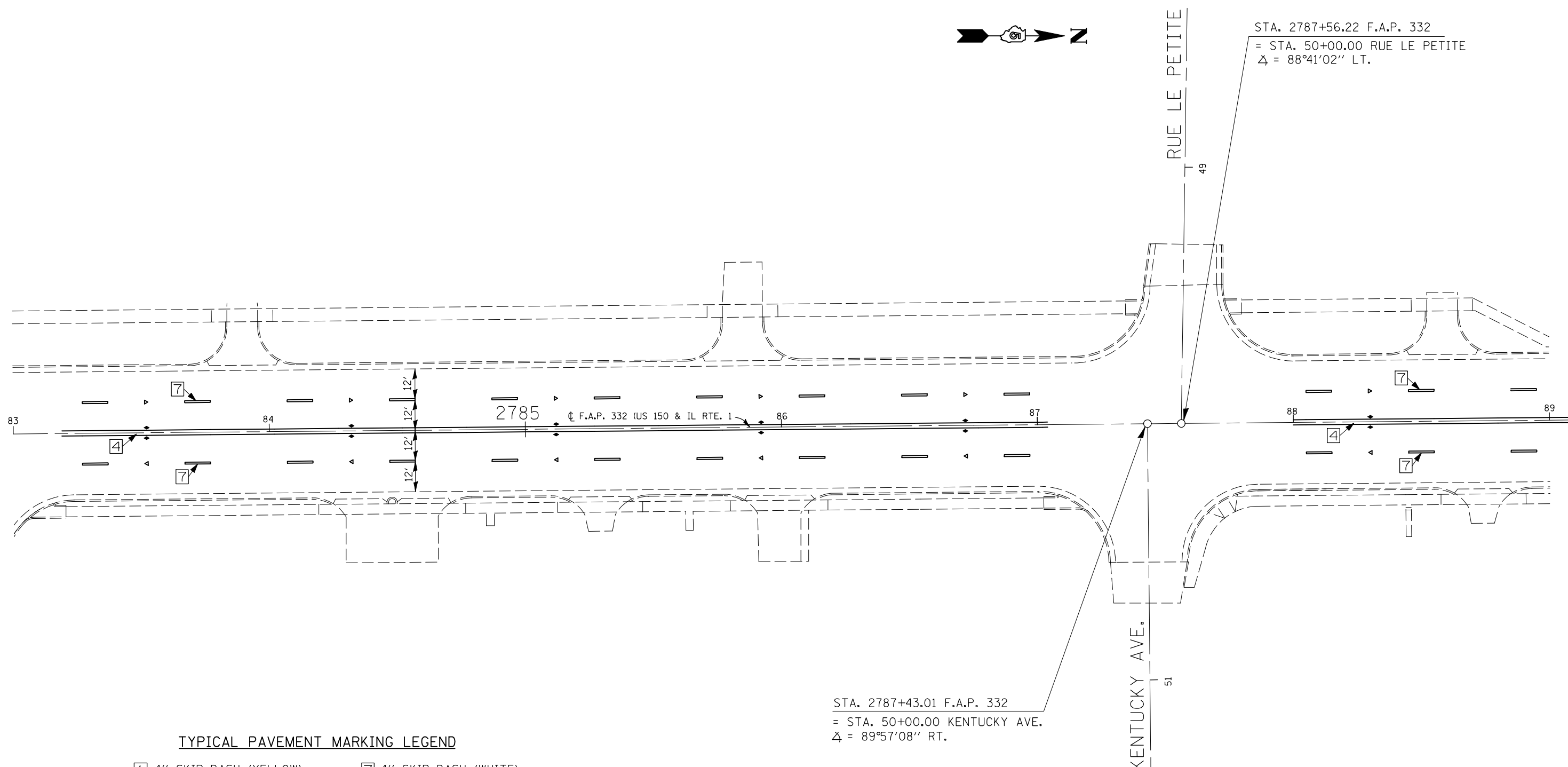
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS		
SCALE:	SHEET NO. 7 OF 29 SHEETS	STA. 2777+00 TO STA. 2783+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	26
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



STA. 2787+56.22 F.A.P. 332
 = STA. 50+00.00 RUE LE PETITE
 $\Delta = 88^{\circ}41'02''$ LT.



STA. 2787+43.01 F.A.P. 332
 = STA. 50+00.00 KENTUCKY AVE.
 $\Delta = 89^{\circ}57'08''$ RT.

TYPICAL PAVEMENT MARKING LEGEND

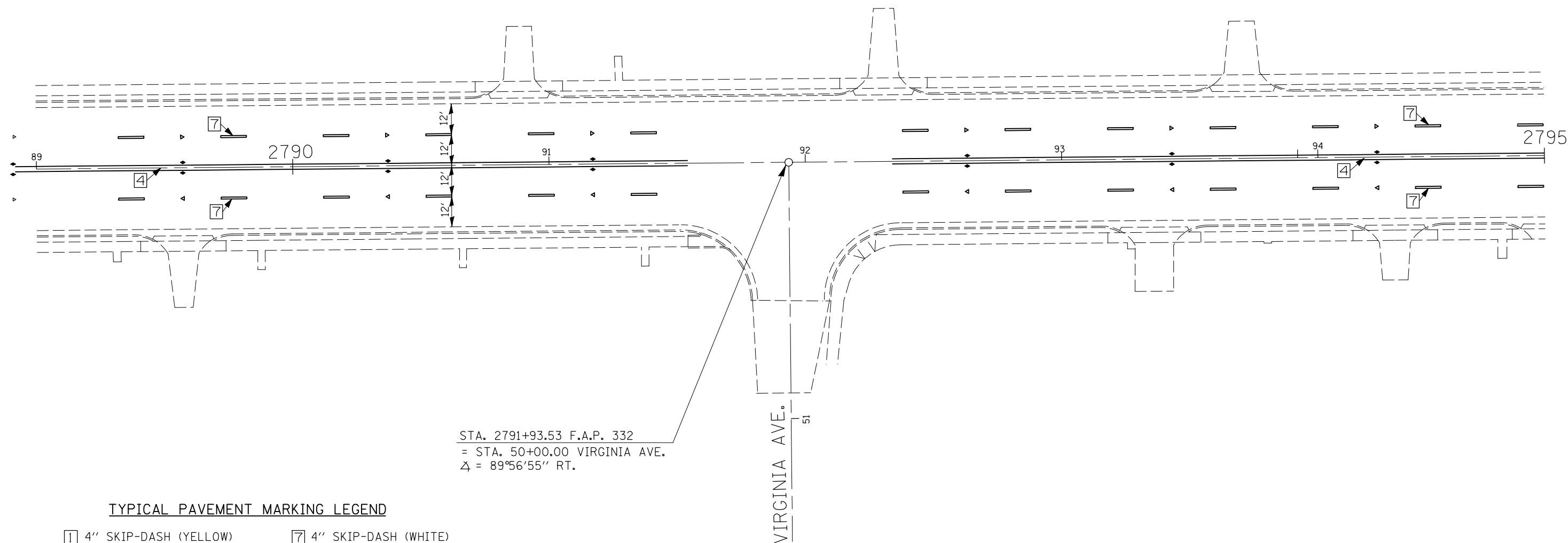
- | | |
|-----------------------------|-------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
- AMBER TWO-WAY MARKER CRYSTAL ONE-WAY MARKER
 AMBER ONE-WAY MARKER

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS		
SCALE:	SHEET NO. 8 OF 29 SHEETS	STA. 2783+00 TO STA. 2789+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	27
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◄ AMBER ONE-WAY MARKER | |

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

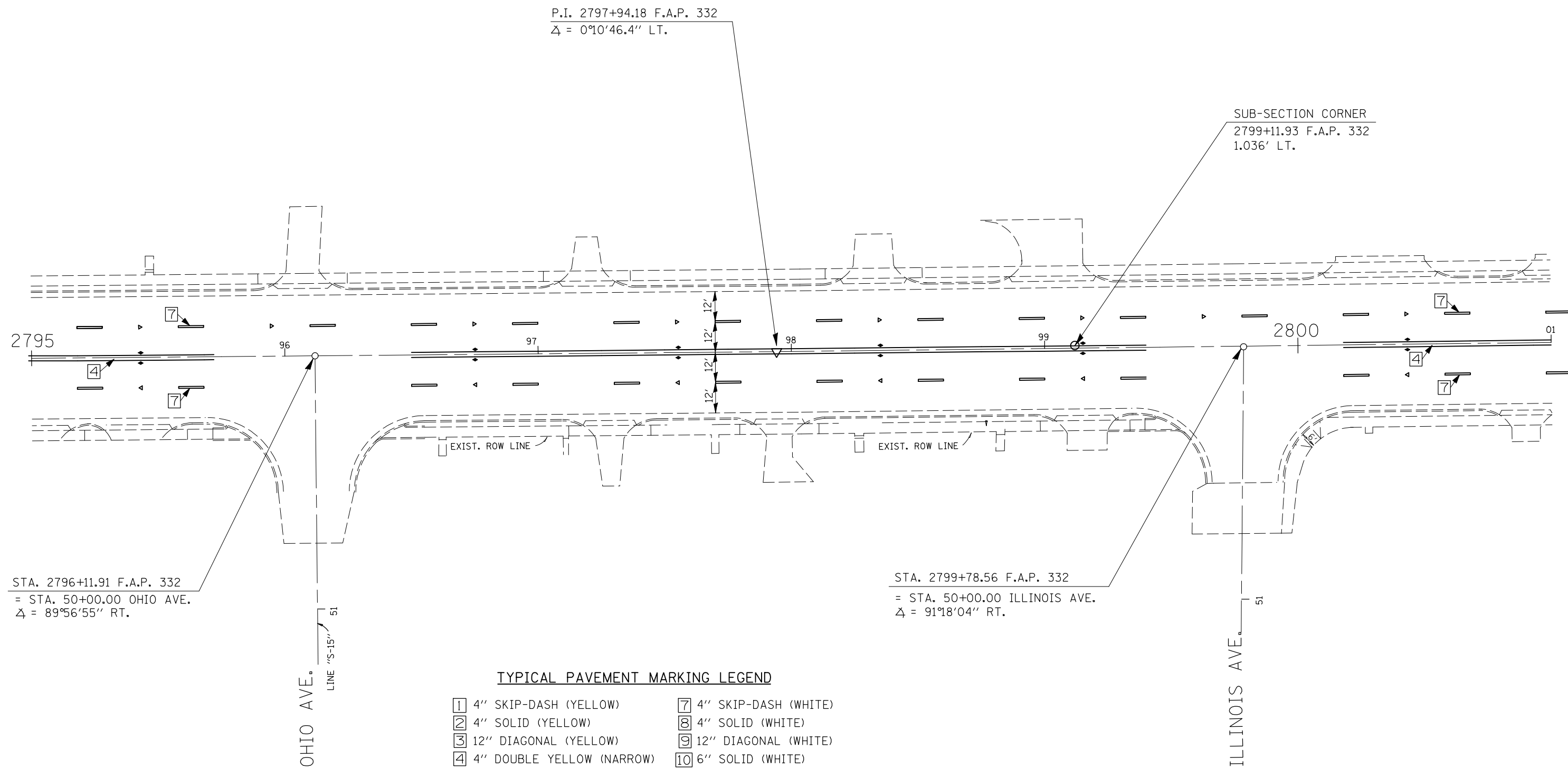
SCALE: SHEET NO. 9 OF 29 SHEETS STA. 2789+00 TO STA. 2795+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	28
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



P.I. 2797+94.18 F.A.P. 332
 $\Delta = 0^{\circ}10'46.4''$ LT.

SUB-SECTION CORNER
 2799+11.93 F.A.P. 332
 1.036' LT.



STA. 2796+11.91 F.A.P. 332
 = STA. 50+00.00 OHIO AVE.
 $\Delta = 89^{\circ}56'55''$ RT.

STA. 2799+78.56 F.A.P. 332
 = STA. 50+00.00 ILLINOIS AVE.
 $\Delta = 91^{\circ}18'04''$ RT.

TYPICAL PAVEMENT MARKING LEGEND

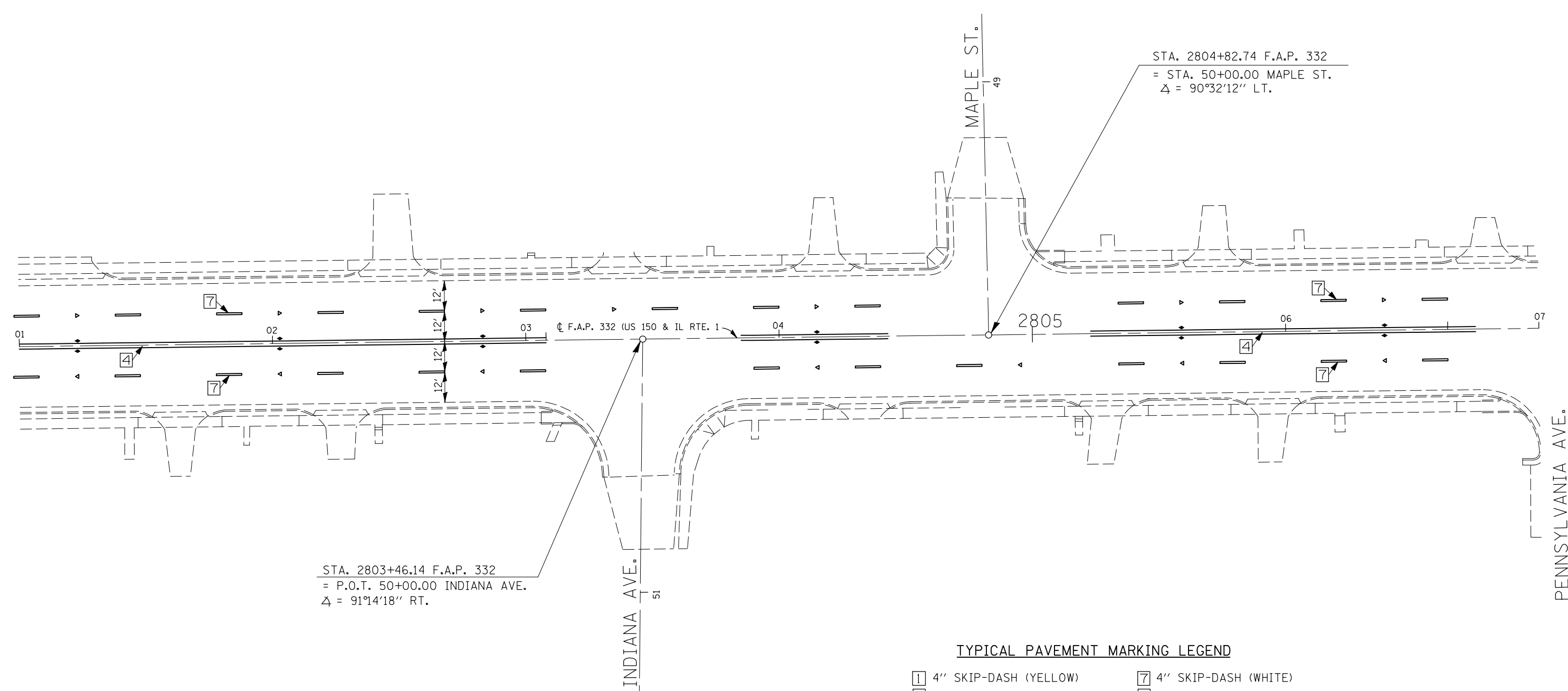
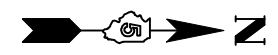
- | | |
|-----------------------------|-------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
- ◆ AMBER TWO-WAY MARKER ◁ CRYSTAL ONE-WAY MARKER
 ◀ AMBER ONE-WAY MARKER

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS		
SCALE:	SHEET NO. 10 OF 29 SHEETS	STA. 2795+00 TO STA. 2801+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	29
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

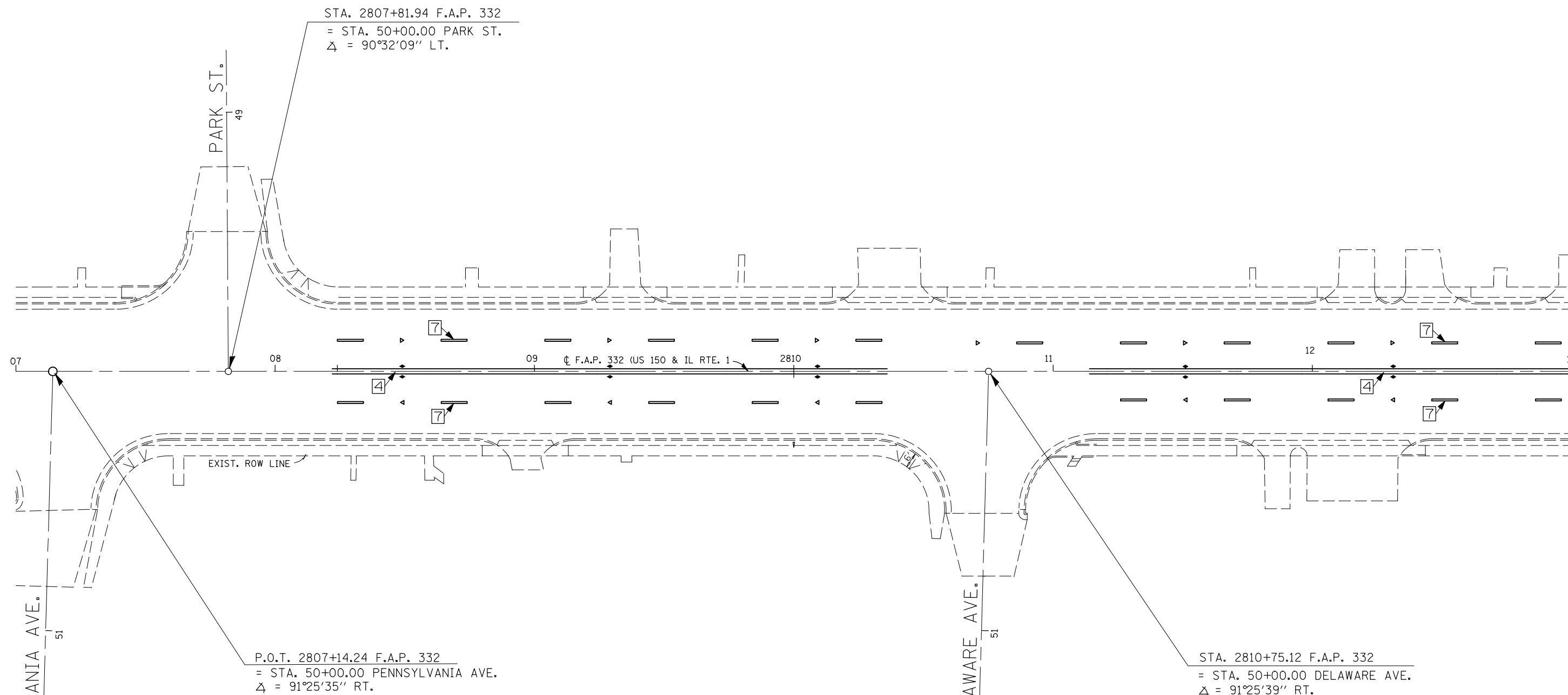
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|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◀ AMBER ONE-WAY MARKER | |

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS		
SCALE:	SHEET NO. 11 OF 29 SHEETS	STA. 2801+00 TO STA. 2807+00

F.A.P. RTE. 332	SECTION 47RS-11	COUNTY VERMILION	TOTAL SHEETS 56	SHEET NO. 30
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

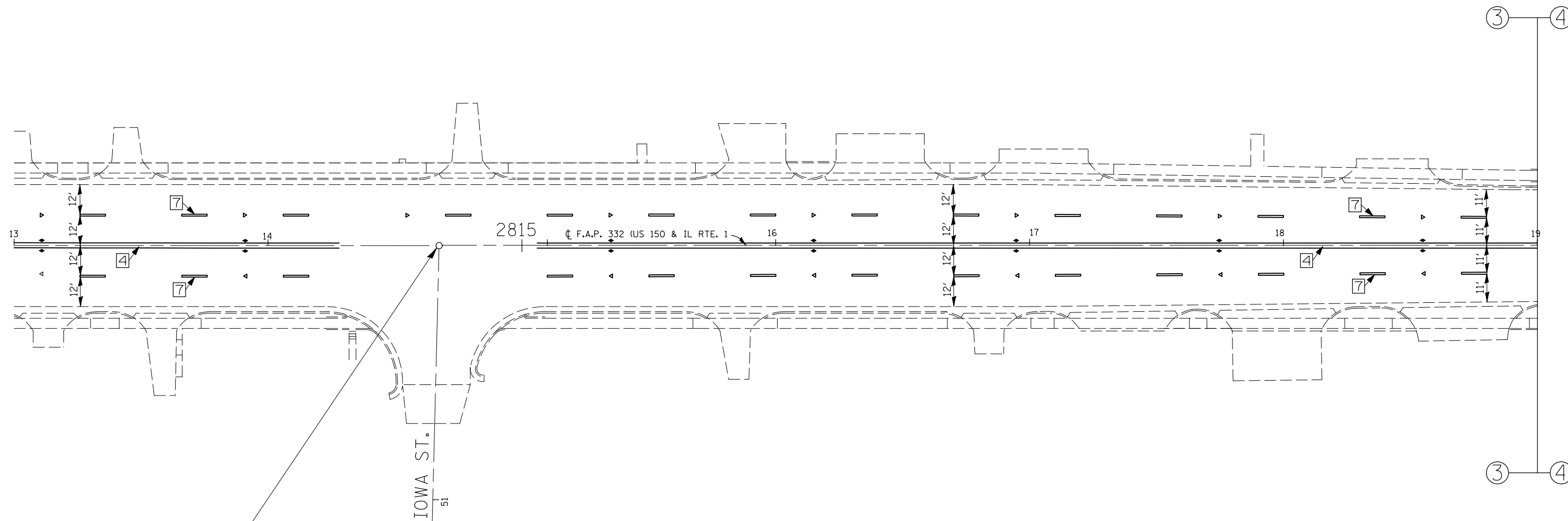
- | | |
|-----------------------------|-------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
- ◆ AMBER TWO-WAY MARKER ◁ CRYSTAL ONE-WAY MARKER
 ◀ AMBER ONE-WAY MARKER

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS		
SCALE:	SHEET NO. 12 OF 29 SHEETS	STA. 2807+00 TO STA. 2813+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	31
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



STA. 2814+67.39 F.A.P. 332
 = STA. 50+00.00 IOWA ST.
 $\Delta = 91^{\circ}25'39''$ RT.

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|-------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
- ◆ AMBER TWO-WAY MARKER ◁ CRYSTAL ONE-WAY MARKER
 ▲ AMBER ONE-WAY MARKER

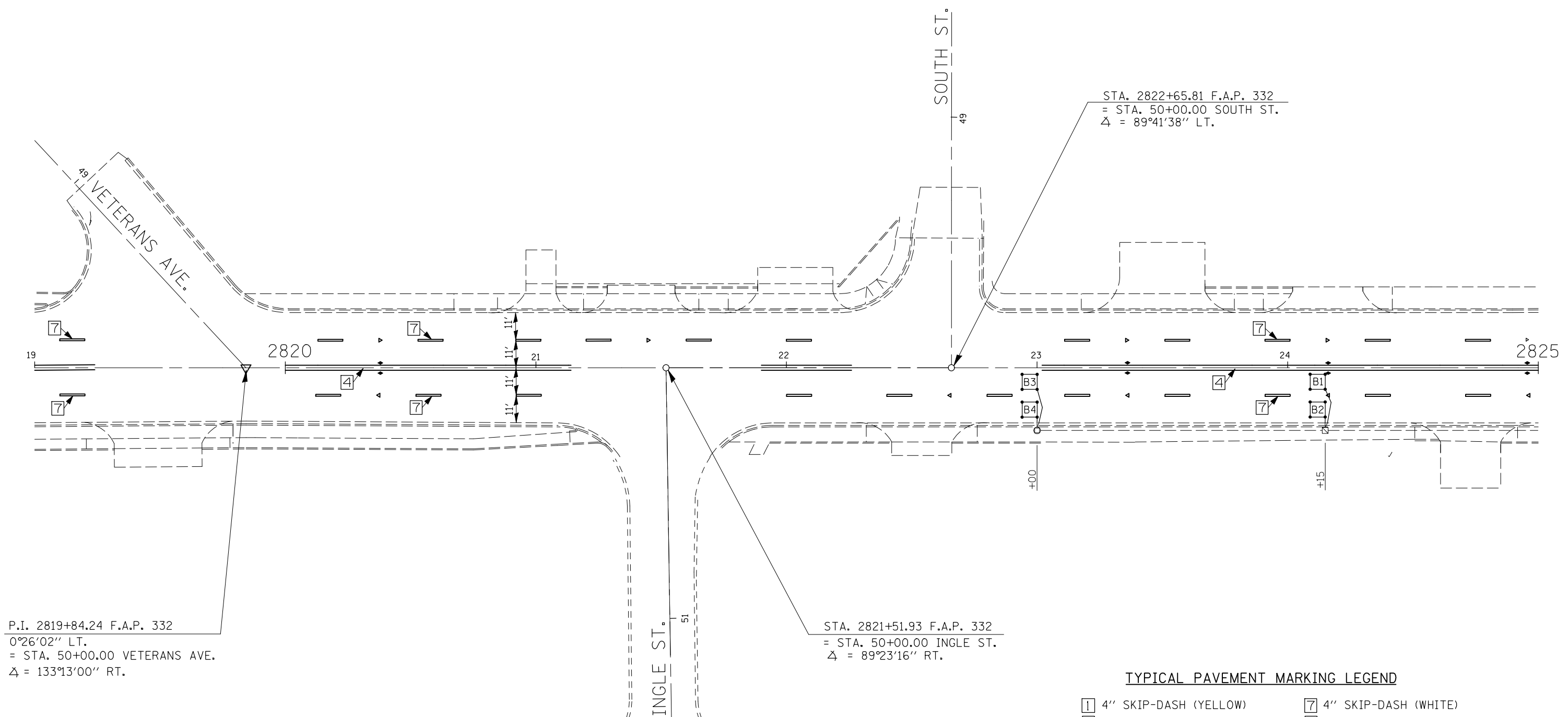
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: SHEET NO. 13 OF 29 SHEETS STA. 2813+00 TO STA. 2819+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	32
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



P.I. 2819+84.24 F.A.P. 332
 0°26'02" LT.
 = STA. 50+00.00 VETERANS AVE.
 Δ = 133°13'00" RT.

STA. 2821+51.93 F.A.P. 332
 = STA. 50+00.00 INGLE ST.
 Δ = 89°23'16" RT.

STA. 2822+65.81 F.A.P. 332
 = STA. 50+00.00 SOUTH ST.
 Δ = 89°41'38" LT.

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◄ AMBER ONE-WAY MARKER | |

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

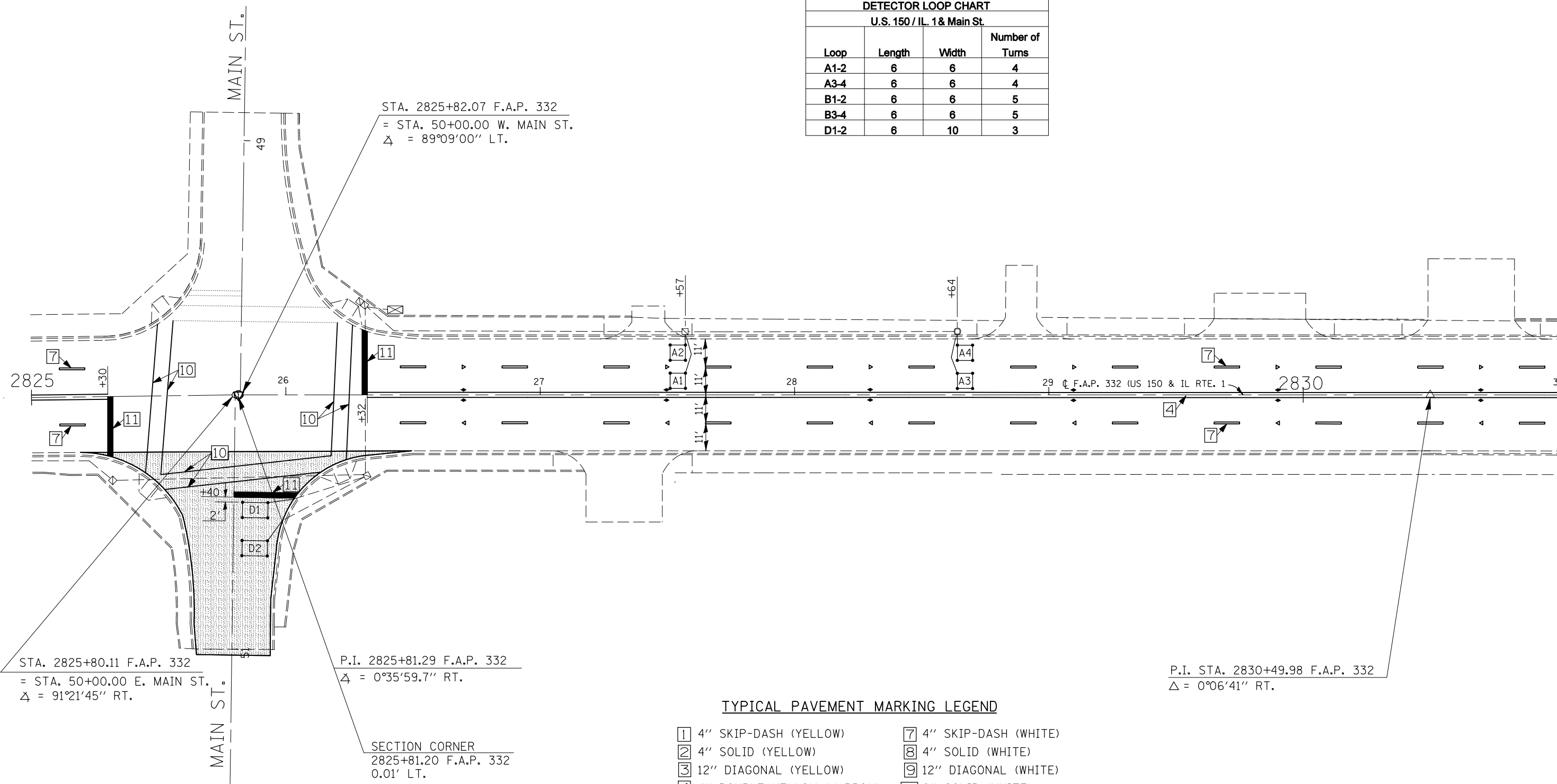
PLAN SHEETS

SCALE: SHEET NO. 14 OF 29 SHEETS STA. 2819+00 TO STA. 2825+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	33
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



DETECTOR LOOP CHART			
U.S. 150 / IL. 1 & Main St.			
Loop	Length	Width	Number of Turns
A1-2	6	6	4
A3-4	6	6	4
B1-2	6	6	5
B3-4	6	6	5
D1-2	6	10	3



TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◀ AMBER ONE-WAY MARKER | |

H.M.A. SURFACE REM. BUTT JOINT

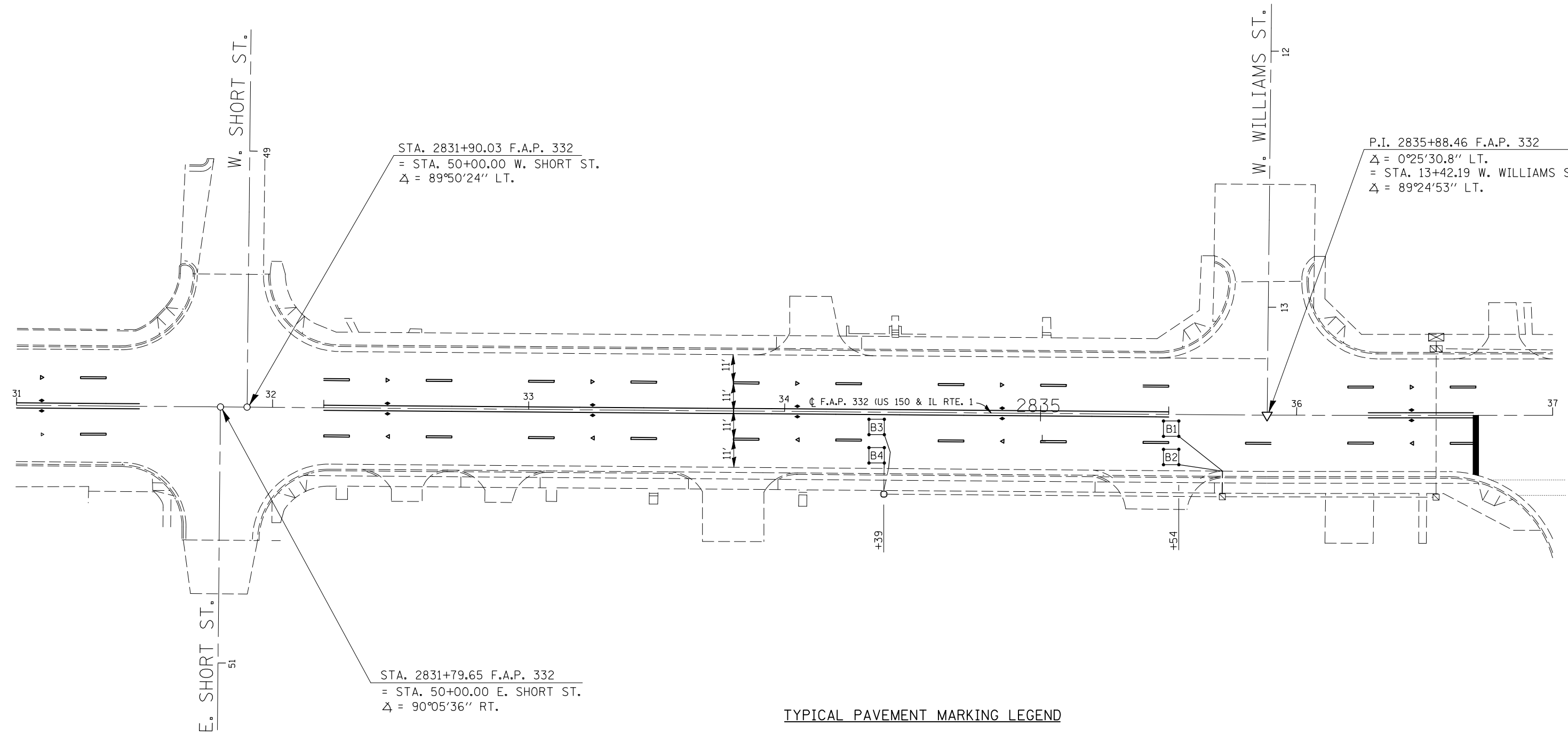
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PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: SHEET NO. 15 OF 29 SHEETS STA. 2825+00 TO STA. 2831+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	34
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◀ AMBER ONE-WAY MARKER | |

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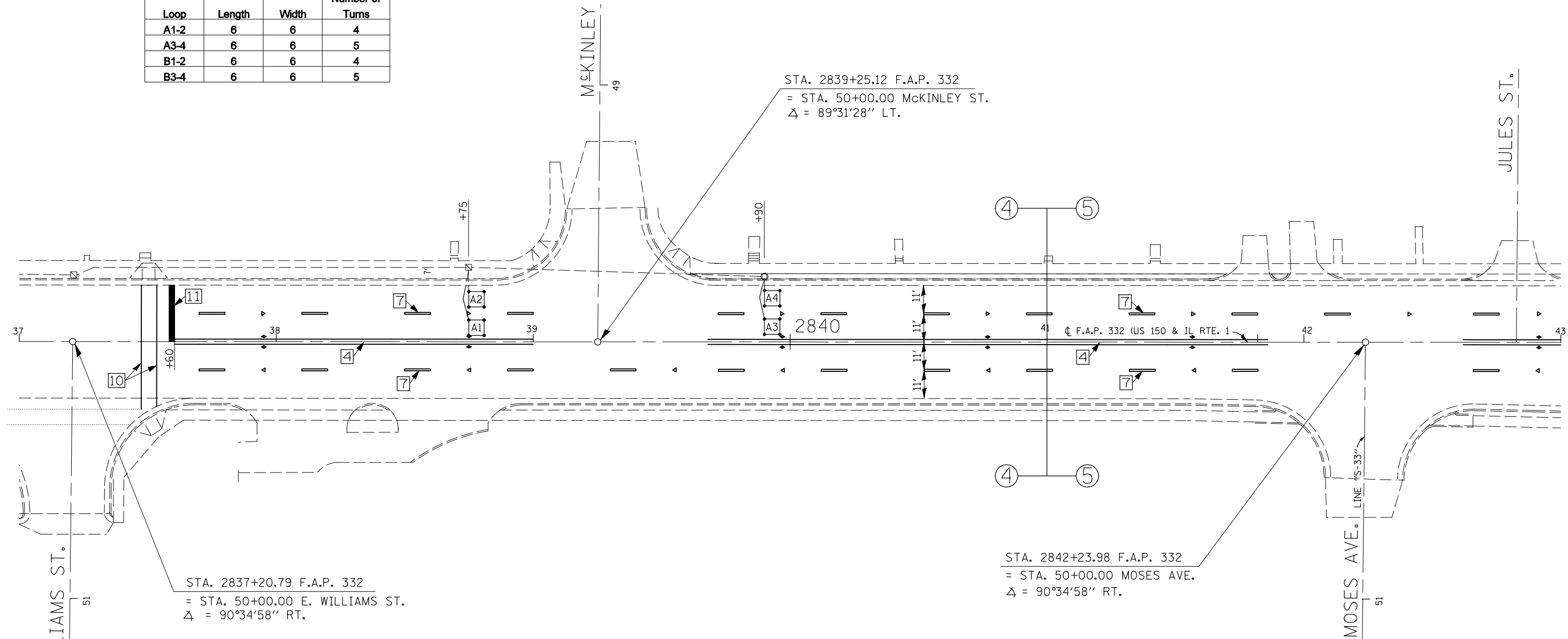
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS
SCALE: SHEET NO. 16 OF 29 SHEETS STA. 2831+00 TO STA. 2837+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	35
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



DETECTOR LOOP CHART			
U.S. 150 / IL. 1 & E. Williams St.			
Loop	Length	Width	Number of Turns
A1-2	6	6	4
A3-4	6	6	5
B1-2	6	6	4
B3-4	6	6	5



TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◁ AMBER ONE-WAY MARKER | |

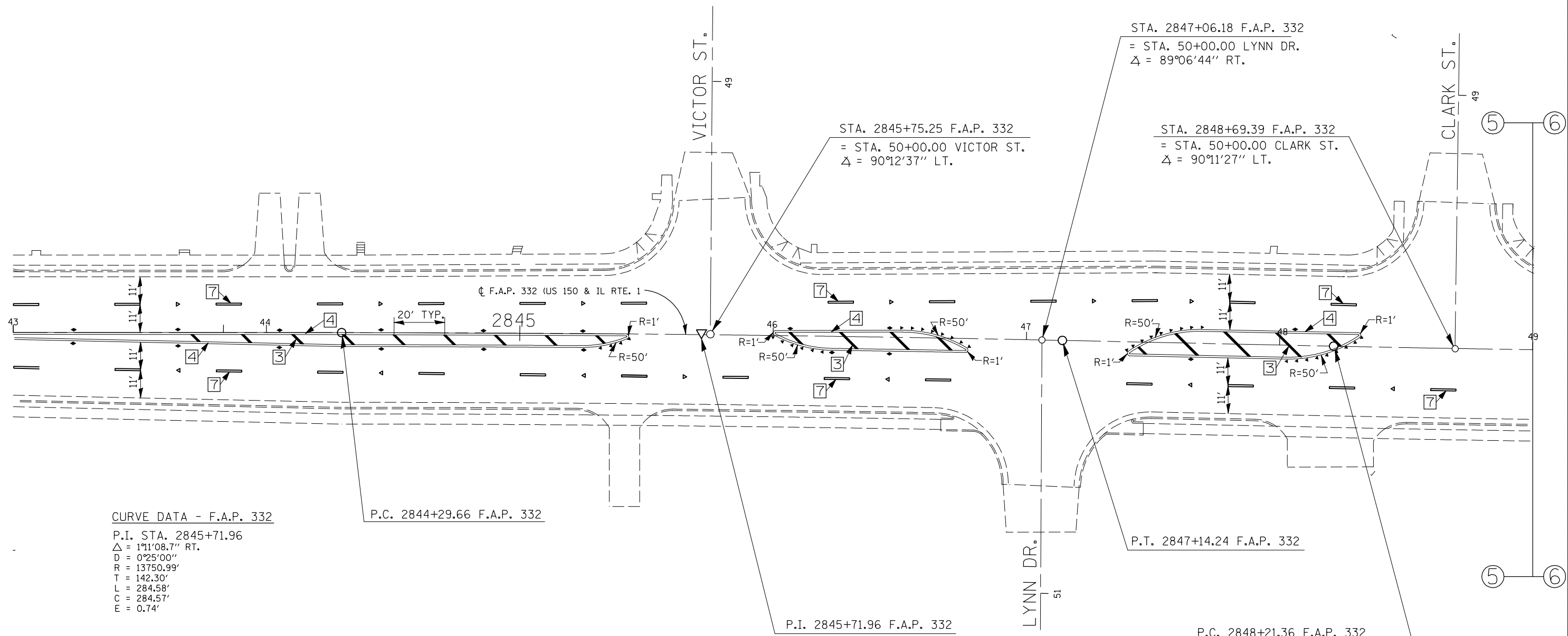
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PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: SHEET NO. 17 OF 29 SHEETS STA. 2837+00 TO STA. 2843+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	36
CONTRACT NO. 70709				ILLINOIS FED. AID PROJECT



CURVE DATA - F.A.P. 332

P.I. STA. 2845+71.96
 $\Delta = 1^{\circ}11'08.7''$ RT.
 D = $0^{\circ}25'00''$
 R = 13750.99'
 T = 142.30'
 L = 284.58'
 C = 284.57'
 E = 0.74'

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|-------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
- ◆ AMBER TWO-WAY MARKER
 ◀ AMBER ONE-WAY MARKER
 ◁ CRYSTAL ONE-WAY MARKER

CURVE DATA - F.A.P. 332

P.I. STA. 2849+50.02
 $\Delta = 1^{\circ}17'33''$ LT.
 D = $0^{\circ}30'00''$
 R = 11459.16'
 T = 129.26'
 L = 258.50'
 C = 258.49'
 E = 0.73'

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

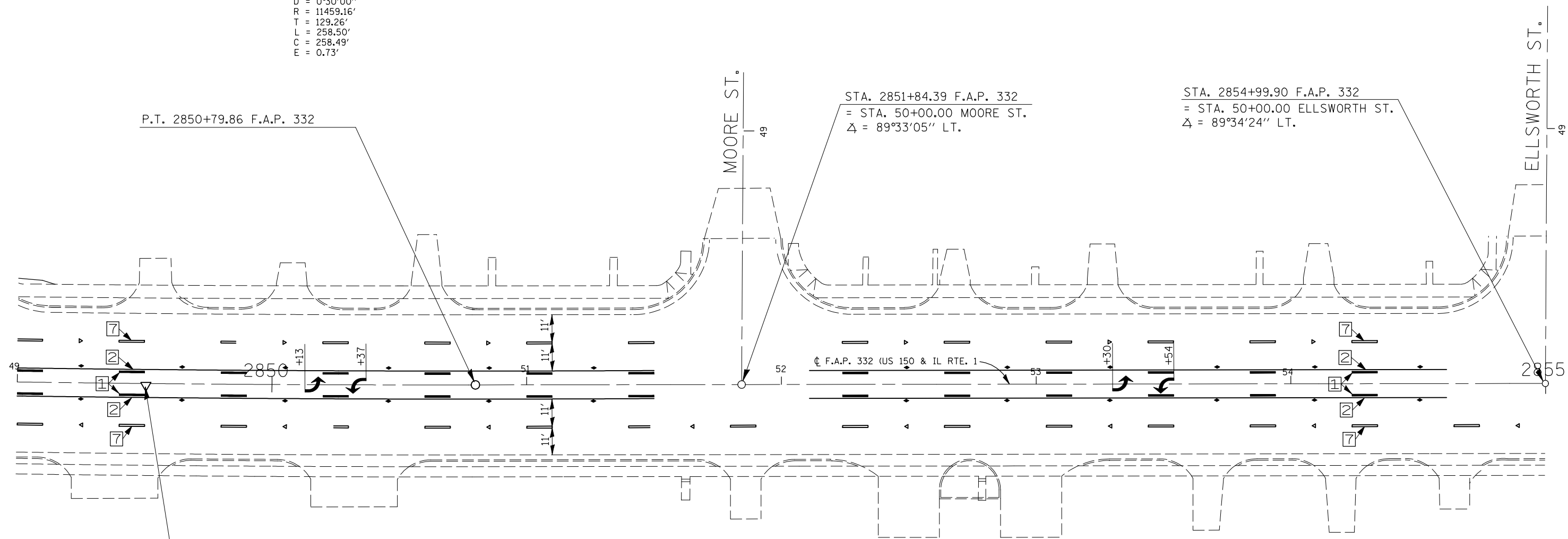
PLAN SHEETS	
SCALE:	SHEET NO. 18 OF 29 SHEETS
STA. 2843+00 TO STA. 2849+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	37
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



CURVE DATA - F.A.P. 332

P.I. STA. 2849+50.02
 $\Delta = 1^\circ 17' 33''$ LT.
 D = $0^\circ 30' 00''$
 R = 11459.16'
 T = 129.26'
 L = 258.50'
 C = 258.49'
 E = 0.73'



P.T. 2850+79.86 F.A.P. 332

STA. 2851+84.39 F.A.P. 332
 = STA. 50+00.00 MOORE ST.
 $\Delta = 89^\circ 33' 05''$ LT.

STA. 2854+99.90 F.A.P. 332
 = STA. 50+00.00 ELLSWORTH ST.
 $\Delta = 89^\circ 34' 24''$ LT.

P.I. 2849+50.02 F.A.P. 332
 0.73' RT.
 $\Delta = 01^\circ 17' 33.0''$ LT.

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|-------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
- ◆ AMBER TWO-WAY MARKER ◁ CRYSTAL ONE-WAY MARKER
 ◀ AMBER ONE-WAY MARKER

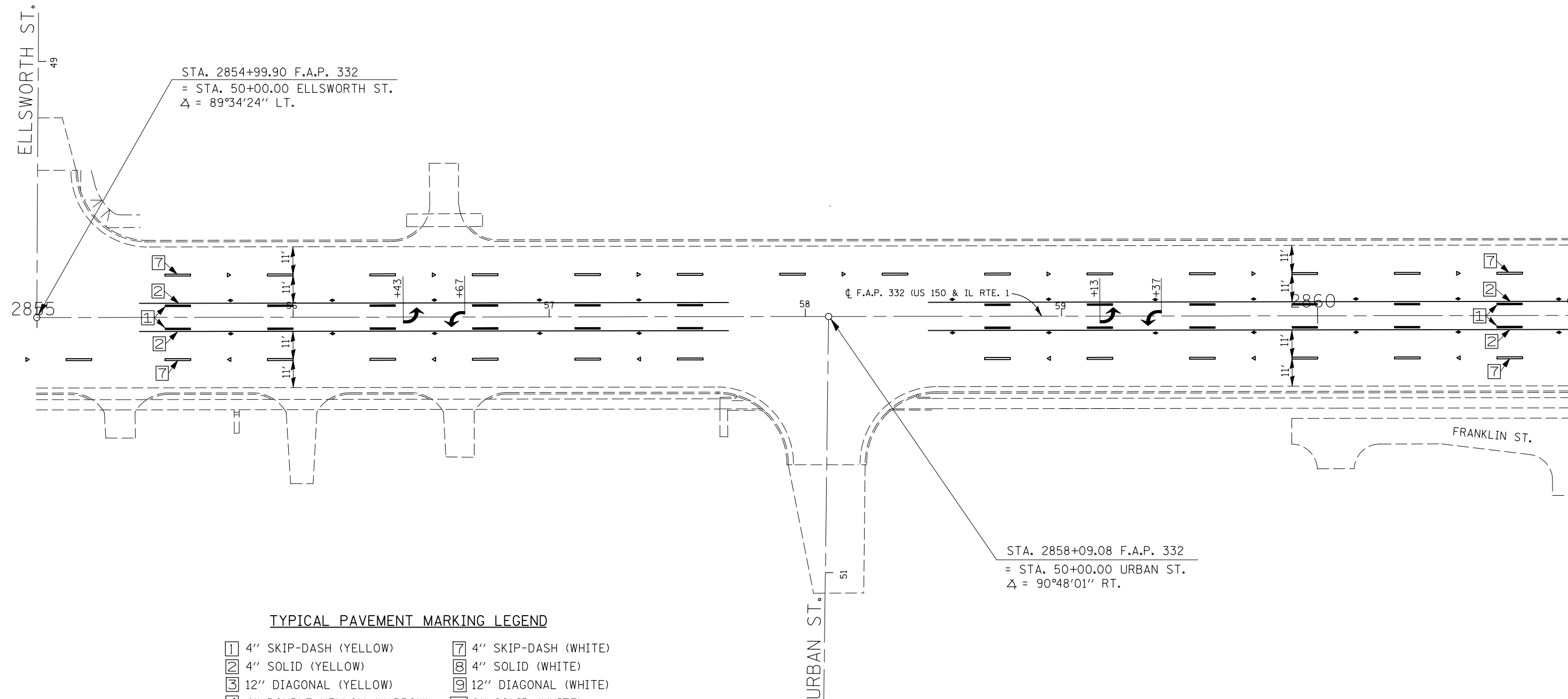
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PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: SHEET NO. 19 OF 29 SHEETS STA. 2849+00 TO STA. 2855+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	38
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◄ AMBER ONE-WAY MARKER | |

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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS		
SCALE:	SHEET NO. 20 OF 29 SHEETS	STA. 2855+00 TO STA. 2861+00

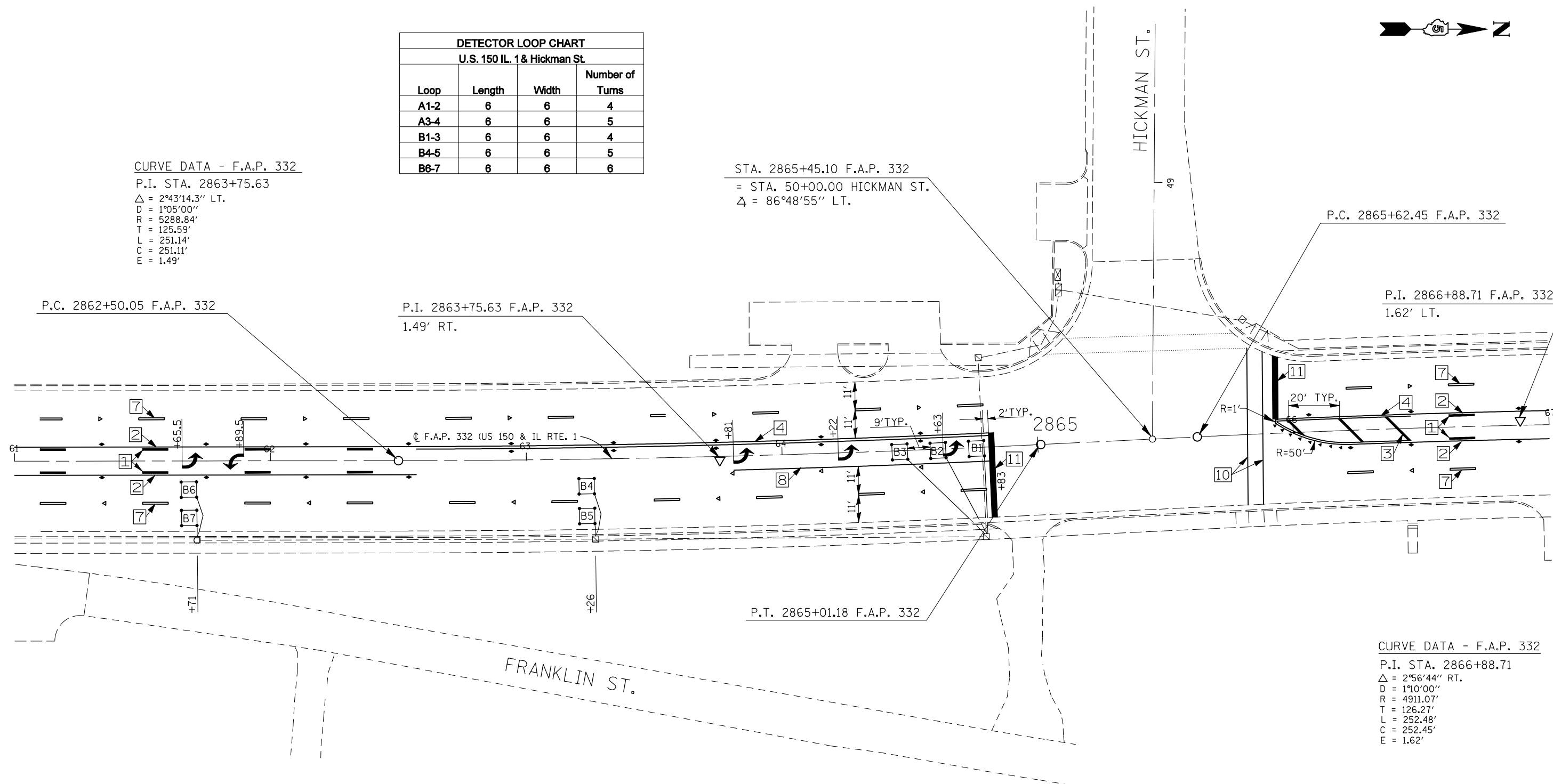
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	39
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



DETECTOR LOOP CHART			
U.S. 150 IL. 1 & Hickman St.			
Loop	Length	Width	Number of Turns
A1-2	6	6	4
A3-4	6	6	5
B1-3	6	6	4
B4-5	6	6	5
B6-7	6	6	6

CURVE DATA - F.A.P. 332
 P.I. STA. 2863+75.63
 $\Delta = 2^{\circ}43'14.3''$ LT.
 $D = 1^{\circ}05'00''$
 $R = 5288.84'$
 $T = 125.59'$
 $L = 251.14'$
 $C = 251.11'$
 $E = 1.49'$

STA. 2865+45.10 F.A.P. 332
 = STA. 50+00.00 HICKMAN ST.
 $\Delta = 86^{\circ}48'55''$ LT.



CURVE DATA - F.A.P. 332
 P.I. STA. 2866+88.71
 $\Delta = 2^{\circ}56'44''$ RT.
 $D = 1^{\circ}10'00''$
 $R = 4911.07'$
 $T = 126.27'$
 $L = 252.48'$
 $C = 252.45'$
 $E = 1.62'$

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◀ AMBER ONE-WAY MARKER | |

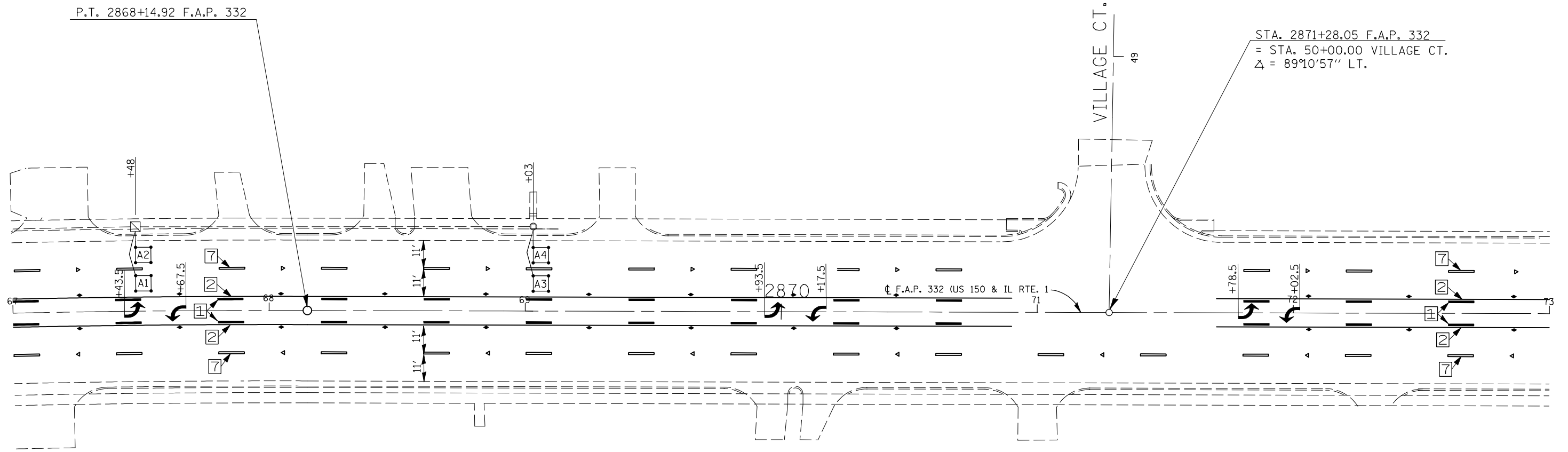
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: SHEET NO. 21 OF 29 SHEETS STA. 2861+00 TO STA. 2867+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	40
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				

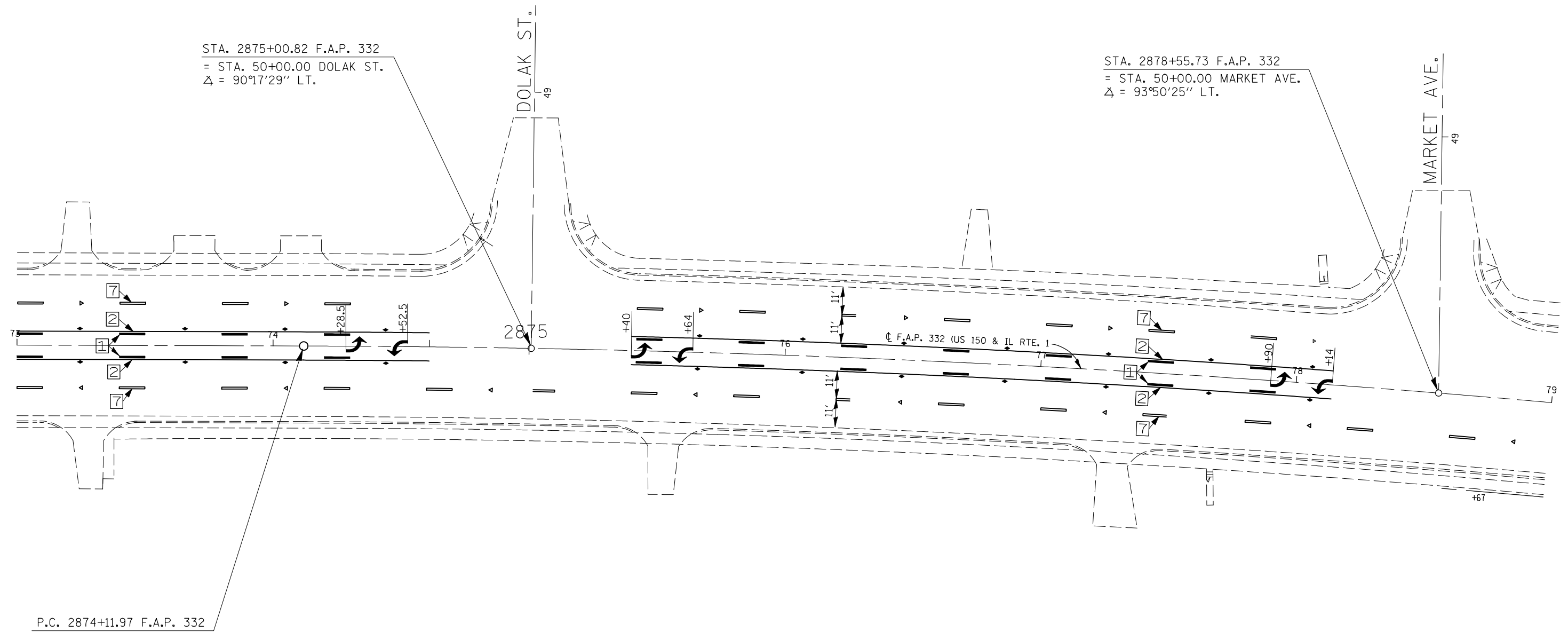


CURVE DATA - F.A.P. 332
 P.I. STA. 2866+88.71
 $\Delta = 2^{\circ}56'44''$ RT.
 D = 1°10'00"
 R = 4911.07'
 T = 126.27'
 L = 252.48'
 C = 252.45'
 E = 1.62'

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|-------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
- ◆ AMBER TWO-WAY MARKER ◁ CRYSTAL ONE-WAY MARKER
 ▲ AMBER ONE-WAY MARKER

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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -		SCALE:	SHEET NO. 22 OF 29 SHEETS	STA. 2867+00 TO STA. 2873+00	ILLINOIS FED. AID PROJECT				
PLOT DATE = 3/15/2010	DATE -	REVISED -	REVISED -	CONTRACT NO. 70709								



STA. 2875+00.82 F.A.P. 332
 = STA. 50+00.00 DOLAK ST.
 $\Delta = 90^{\circ}17'29''$ LT.

STA. 2878+55.73 F.A.P. 332
 = STA. 50+00.00 MARKET AVE.
 $\Delta = 93^{\circ}50'25''$ LT.

P.C. 2874+11.97 F.A.P. 332

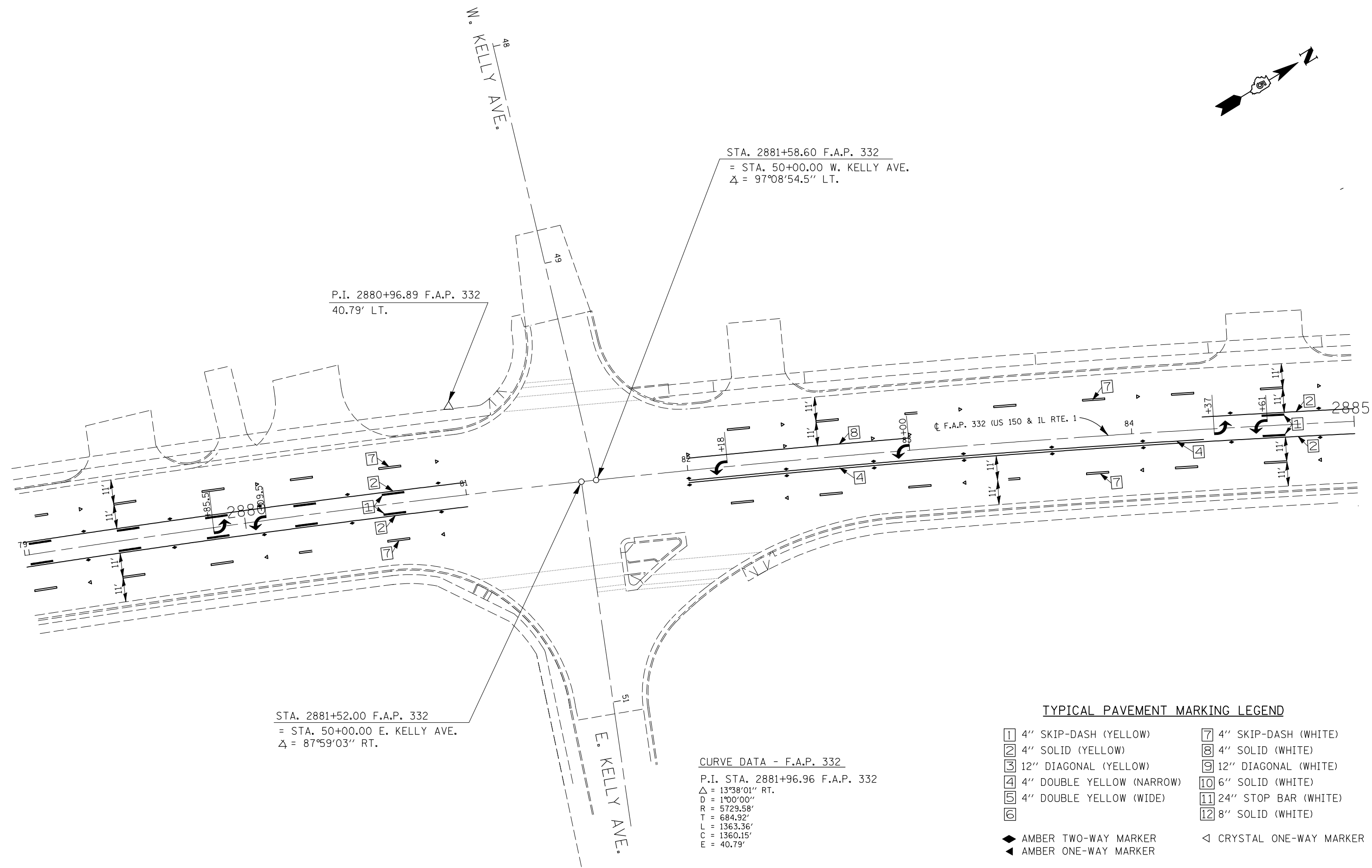
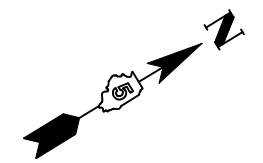
TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|-------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
- ◆ AMBER TWO-WAY MARKER ◁ CRYSTAL ONE-WAY MARKER
 ▲ AMBER ONE-WAY MARKER

CURVE DATA - F.A.P. 332

P.I. STA. 2881+96.96 F.A.P. 332
 $\Delta = 13^{\circ}38'01''$ RT.
 D = 1'00'00"
 R = 5729.58'
 T = 684.92'
 L = 1363.36'
 C = 1360.15'
 E = 40.79'

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PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET NO. 23 OF 29 SHEETS	STA. 2873+00 TO STA. 2879+00	CONTRACT NO. 70709				
PLOT DATE = 3/15/2010	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							



P.I. 2880+96.89 F.A.P. 332
40.79' LT.

STA. 2881+58.60 F.A.P. 332
= STA. 50+00.00 W. KELLY AVE.
Δ = 97°08'54.5" LT.

STA. 2881+52.00 F.A.P. 332
= STA. 50+00.00 E. KELLY AVE.
Δ = 87°59'03" RT.

CURVE DATA - F.A.P. 332
P.I. STA. 2881+96.96 F.A.P. 332
Δ = 13°38'01" RT.
D = 1°00'00"
R = 5729.58'
T = 684.92'
L = 1363.36'
C = 1360.15'
E = 40.79'

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◀ CRYSTAL ONE-WAY MARKER |
| ◀ AMBER ONE-WAY MARKER | |

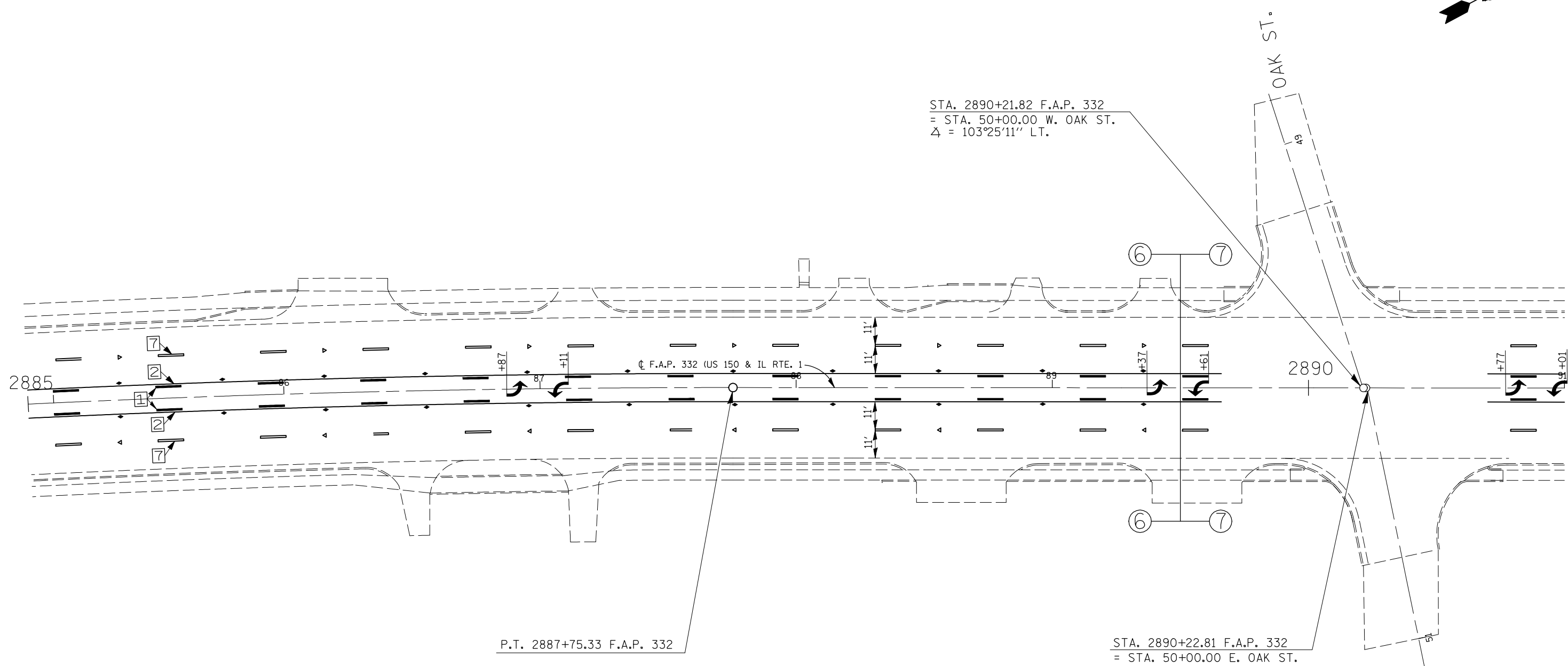
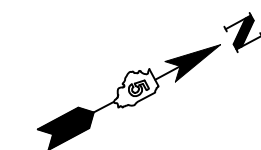
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PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: SHEET NO. 24 OF 29 SHEETS STA. 2879+00 TO STA. 2885+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	43
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◀ AMBER ONE-WAY MARKER | |

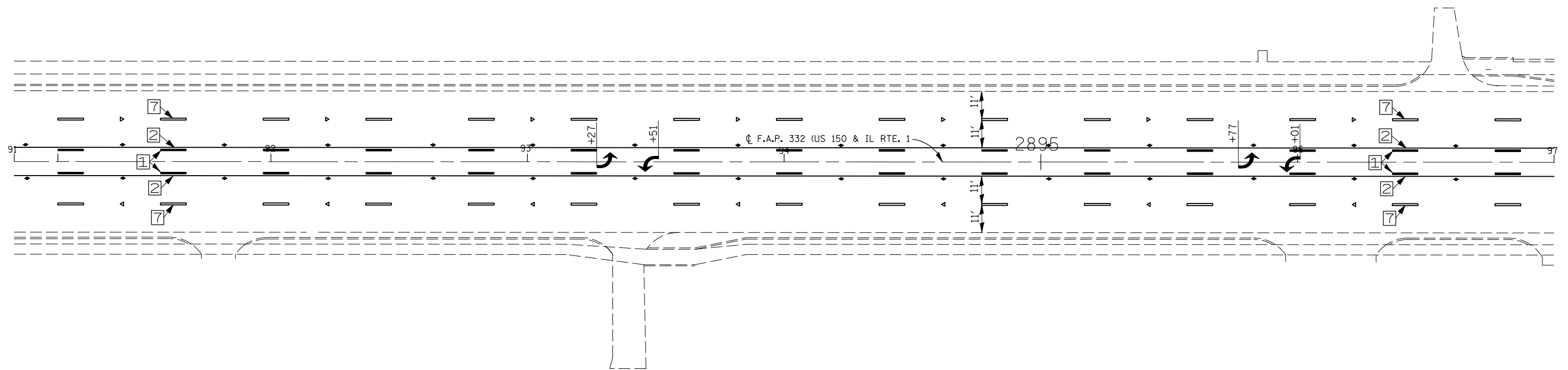
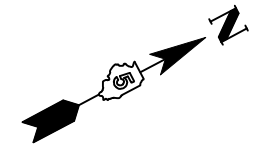
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PLOT DATE = 3/16/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: SHEET NO. 25 OF 29 SHEETS STA. 2885+00 TO STA. 2891+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	44
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◄ AMBER ONE-WAY MARKER | |

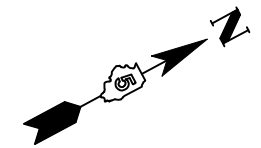
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/15/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

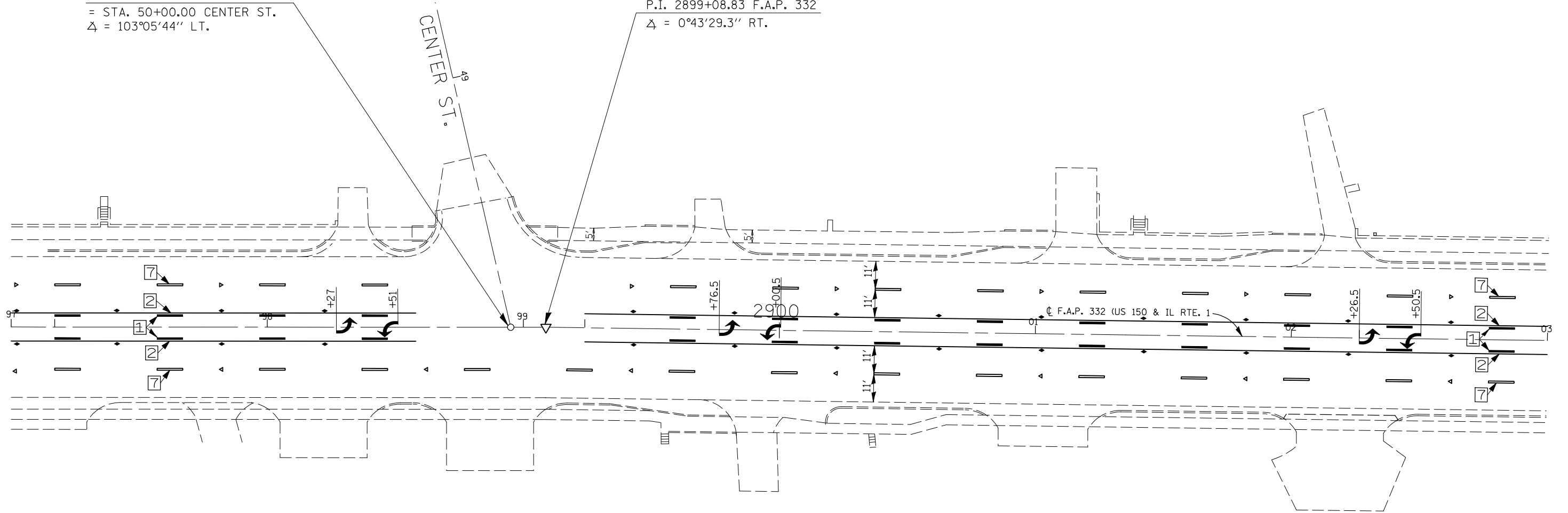
SCALE: SHEET NO. 26 OF 29 SHEETS STA. 2891+00 TO STA. 2897+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	45
ILLINOIS FED. AID PROJECT				CONTRACT NO. 70709



STA. 2898+95.08 F.A.P. 332
 = STA. 50+00.00 CENTER ST.
 $\Delta = 103^{\circ}05'44''$ LT.

P.I. 2899+08.83 F.A.P. 332
 $\Delta = 0^{\circ}43'29.3''$ RT.



TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|-------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
- ◆ AMBER TWO-WAY MARKER ◁ CRYSTAL ONE-WAY MARKER
 ▲ AMBER ONE-WAY MARKER

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

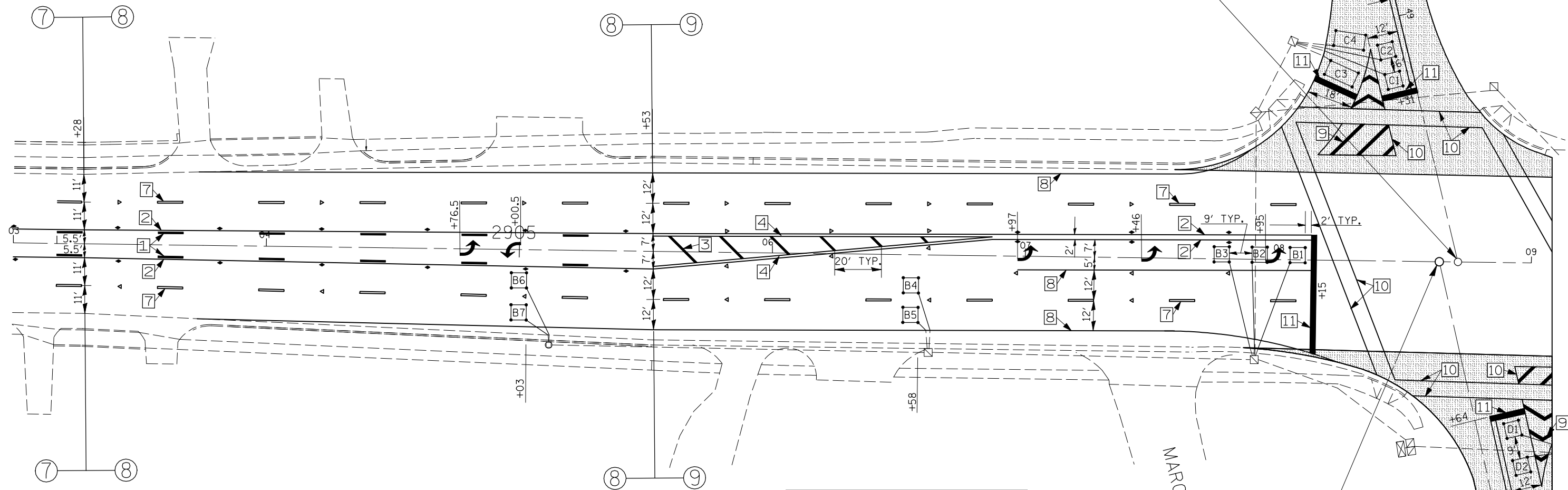
PLAN SHEETS

SCALE: SHEET NO. 27 OF 29 SHEETS STA. 2897+00 TO STA. 2903+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	46
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



STA. 2908+71.00 F.A.P. 332
 = STA. 50+00.00 CATLIN RD.
 Δ = 104°16'20.2" LT.



TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|-------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
- ◆ AMBER TWO-WAY MARKER ◁ CRYSTAL ONE-WAY MARKER
 ▲ AMBER ONE-WAY MARKER

DETECTOR LOOP CHART			
U.S. 150 / IL 1 & Catlin / Lyons Rd.			
Loop	Length	Width	Number of Turns
A1-3	6	6	5
A4-5	6	6	6
A6-7	6	6	6
B1-3	6	6	3
B4-5	6	6	4
B6-7	6	6	5
C1-2	6	6	4
C3-4	6	12	3
D1-2	6	6	4
D3-4	6	12	3

P.O.T. 2908+63.61 F.A.P. 332
 = STA. 50+00.00 LYONS RD.
 Δ = 76°33'16" RT.

H.M.A. SURFACE REM. BUTT JOINT

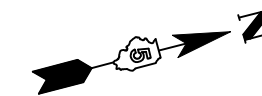
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

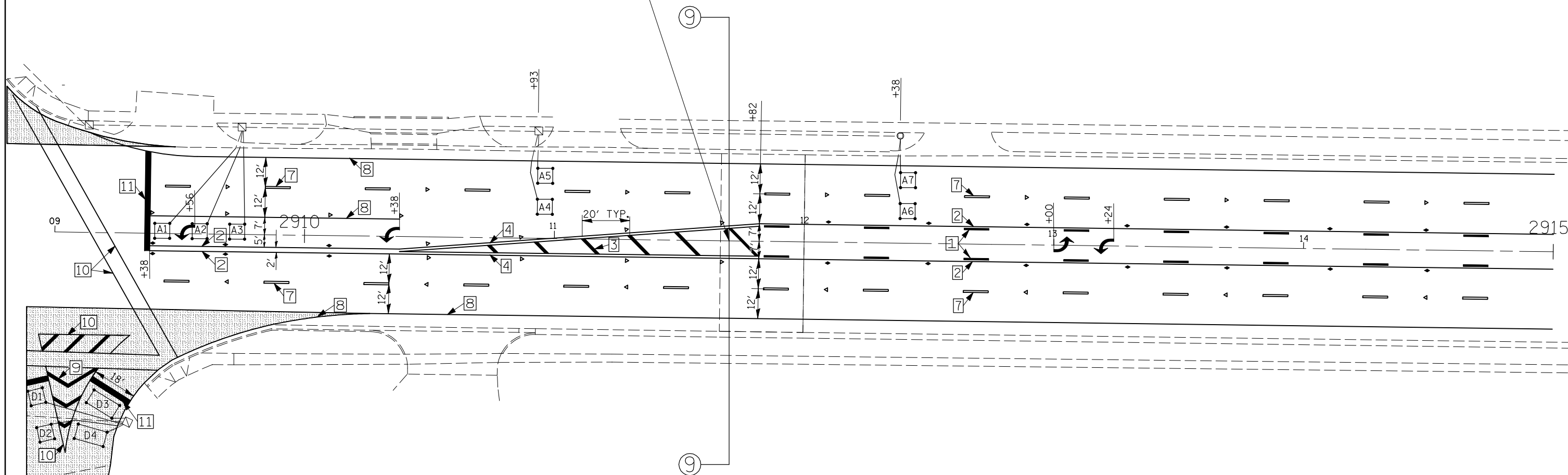
PLAN SHEETS

SCALE: SHEET NO. 28 OF 29 SHEETS STA. 2903+00 TO STA. 2909+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	47
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				



SECTION 47RS-11
ENDS STATION 2911+70.00



TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------|--------------------------|
| 1 4" SKIP-DASH (YELLOW) | 7 4" SKIP-DASH (WHITE) |
| 2 4" SOLID (YELLOW) | 8 4" SOLID (WHITE) |
| 3 12" DIAGONAL (YELLOW) | 9 12" DIAGONAL (WHITE) |
| 4 4" DOUBLE YELLOW (NARROW) | 10 6" SOLID (WHITE) |
| 5 4" DOUBLE YELLOW (WIDE) | 11 24" STOP BAR (WHITE) |
| 6 | 12 8" SOLID (WHITE) |
| ◆ AMBER TWO-WAY MARKER | ◁ CRYSTAL ONE-WAY MARKER |
| ◄ AMBER ONE-WAY MARKER | |

H.M.A. SURFACE REM. BUTT JOINT

FILE NAME =	USER NAME = hoganbj	DESIGNED - -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

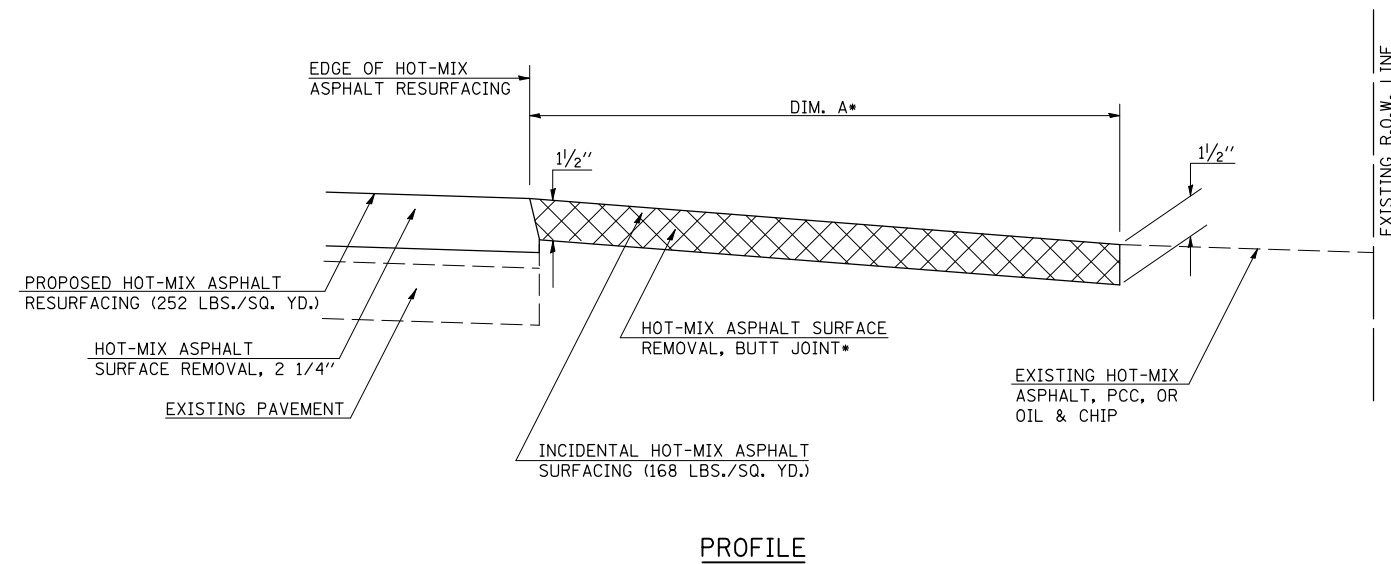
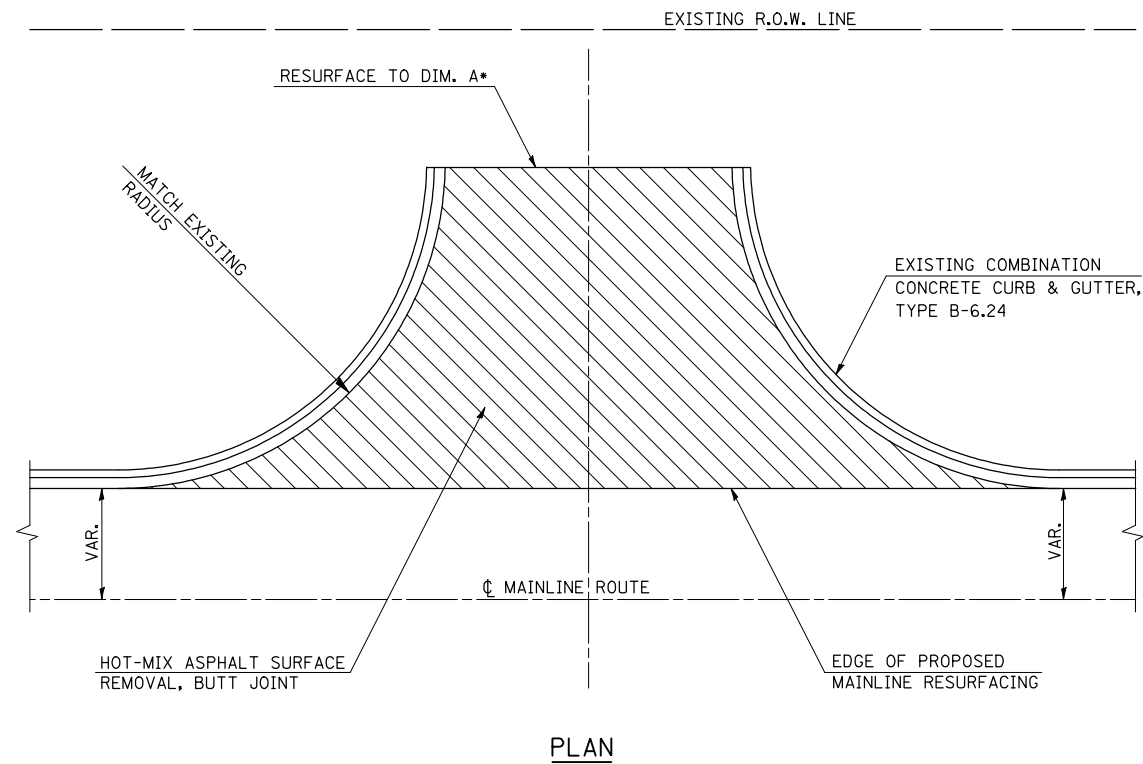
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

SCALE: SHEET NO. 29 OF 29 SHEETS STA. 2909+00 TO STA. 2911+70

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	48
CONTRACT NO. 70709				
ILLINOIS FED. AID PROJECT				

TYPICAL DETAIL OF SIDEROAD RETURNS



GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. THE INCIDENTAL HOT-MIX ASPHALT SURFACING IS INTENDED TO RESURFACE THE EXISTING SIDEROADS IN THEIR ENTIRETY. THE EXISTING SIDEROADS SHOULD BE RESURFACED TO MAINTAIN THEIR CURRENT RADII AND SHALL BE RESURFACED TO THE DIM. A SHOWN ON THE CHART ON THE RIGHT SIDE OF THIS PAGE.

*SEE CHART ON RIGHT SIDE OF PAGE FOR A LIST OF SIDEROADS COVERED BY THIS DETAIL AND DIMENSIONS.

SIDEROAD NAME	STATION	LT OR RT	DIM. A*
CLINGAN LANE	2745+55.55	LT	44.0 FEET
CLINGAN LANE	2745+55.55	RT	30.0 FEET
MAIN STREET	2825+80.11	RT	80.0 FEET
LYONS ROAD	2908+63.61	RT	135.0 FEET
CATLIN ROAD	2908+71.00	LT	105.0 FEET

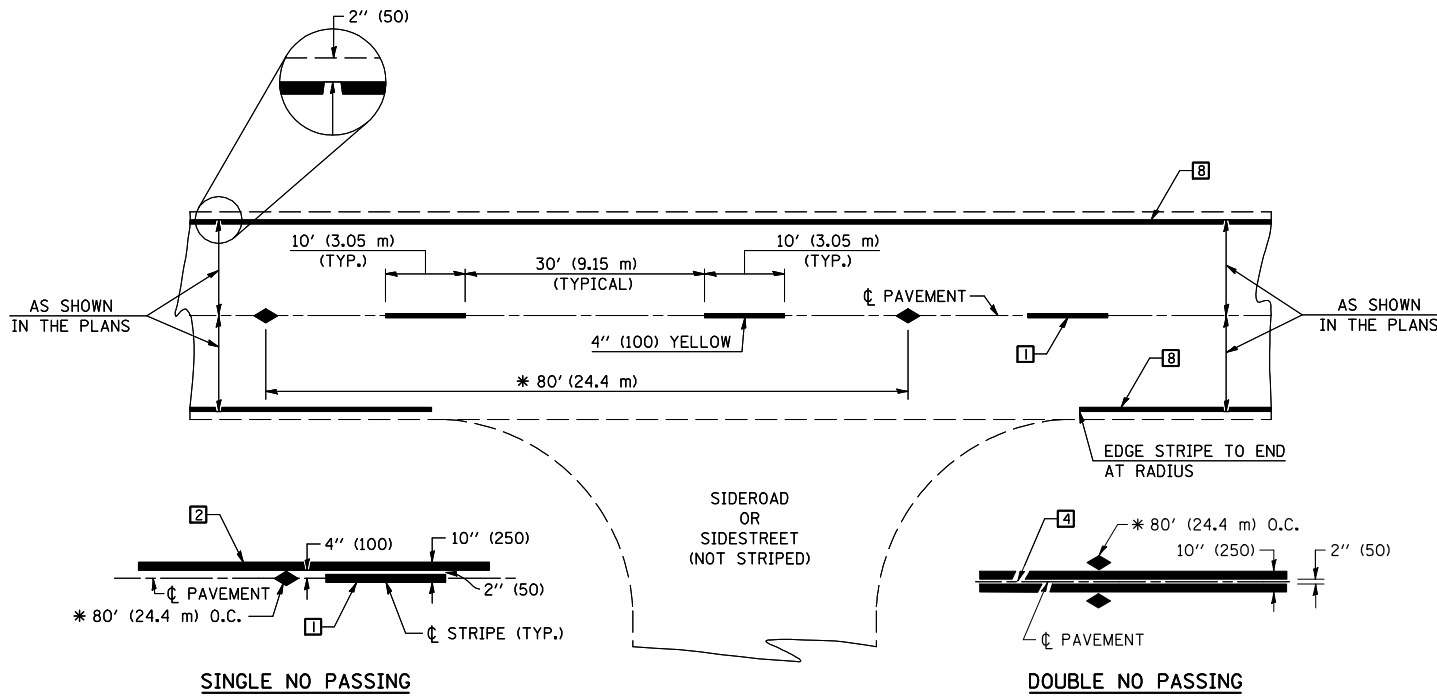
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ct:\pw\work\PWIDOT\HOGANBJ\d0185087\0570709-sht-details.dgn		DRAWN - 9/29/2009	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/15/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEROAD RESURFACING DETAIL

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	49
CONTRACT NO. 70709				
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.

TWO LANE/TWO WAY

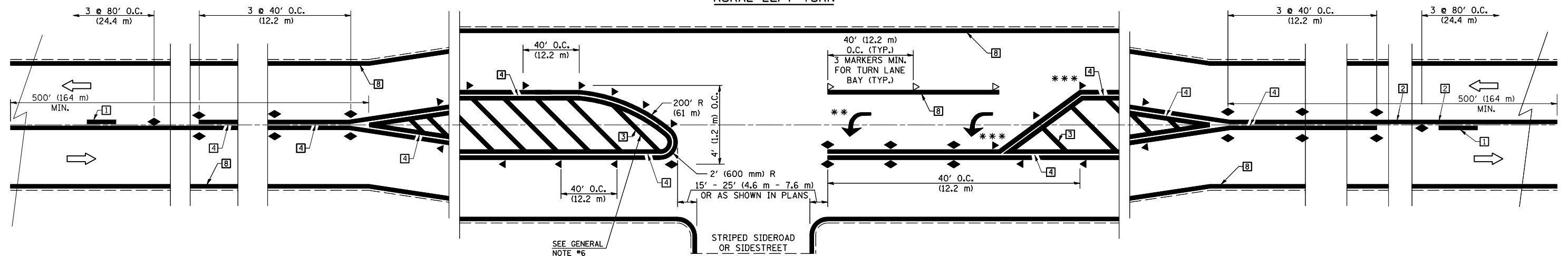
TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) 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) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

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

RURAL LEFT TURN



*** 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. 7800AAA

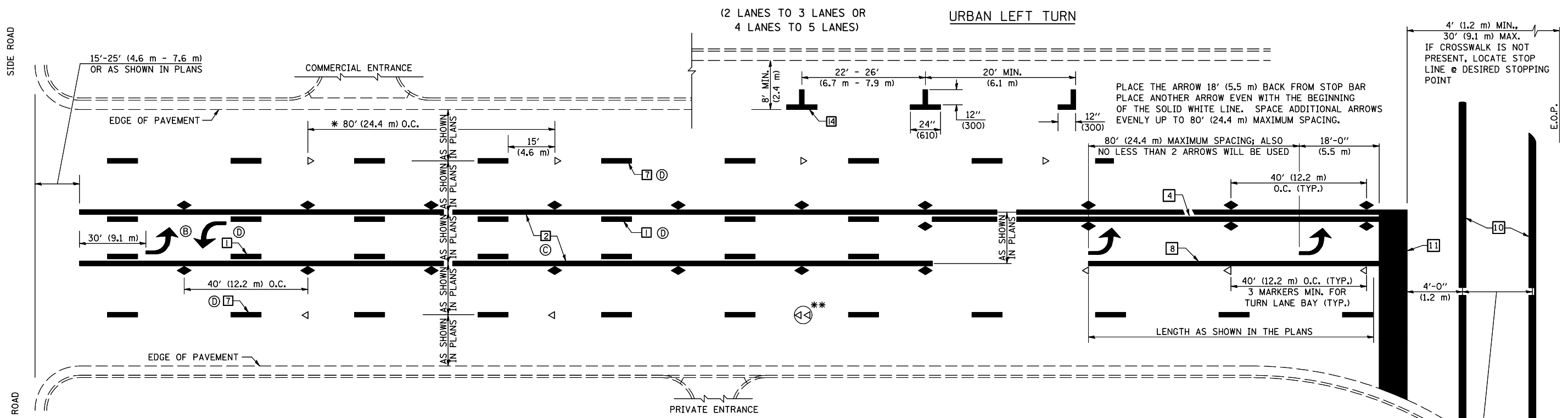
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/15/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

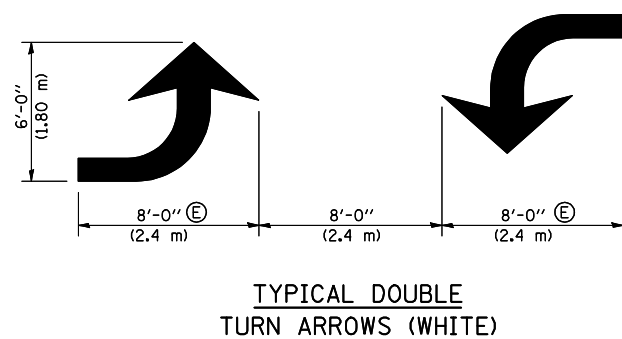
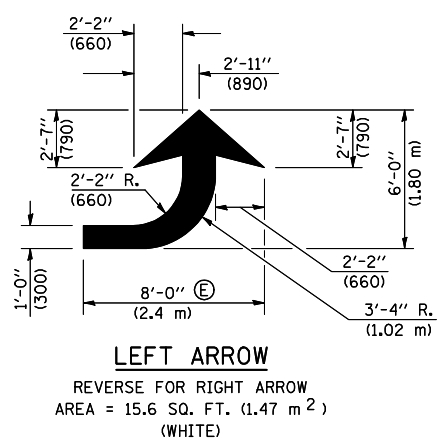
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	50
CONTRACT NO. 70709				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				



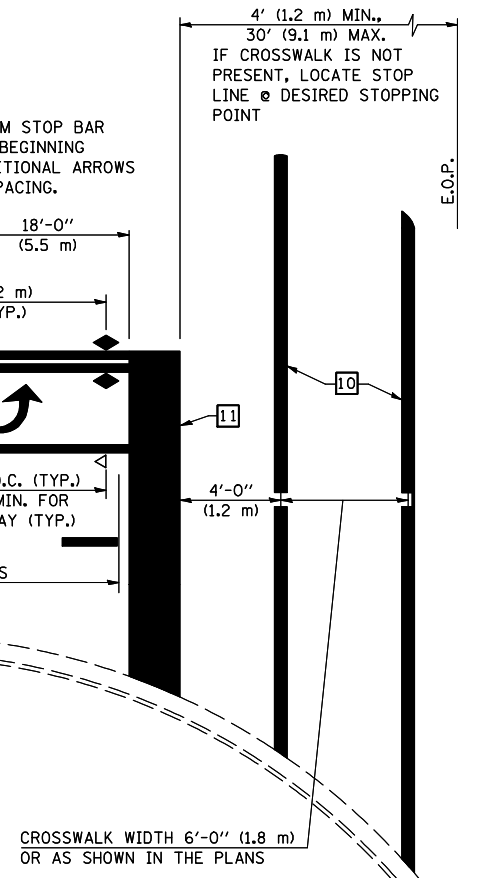
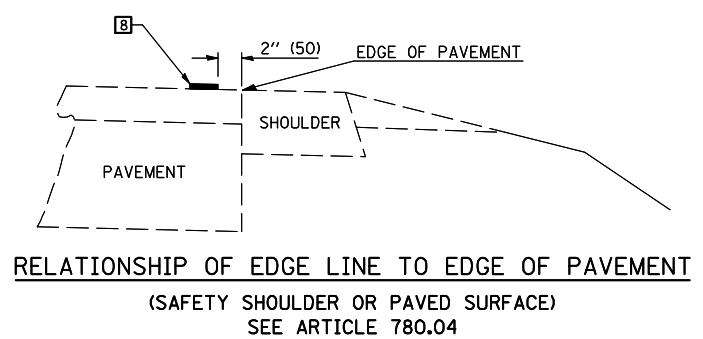
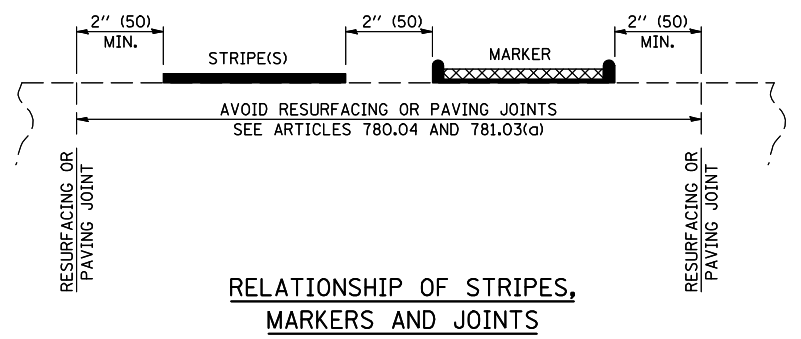
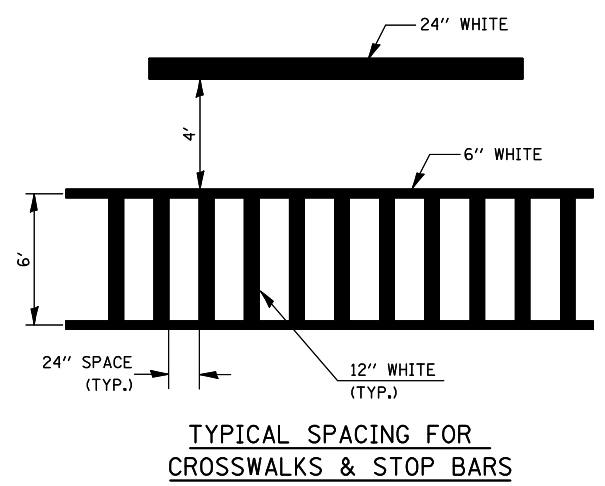
* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

- GENERAL NOTES:**
- ⓑ 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.
 - ⓒ 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.
 - ⓓ 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. SEE EXAMPLE ON SHEET 2 OF 3.
 - ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



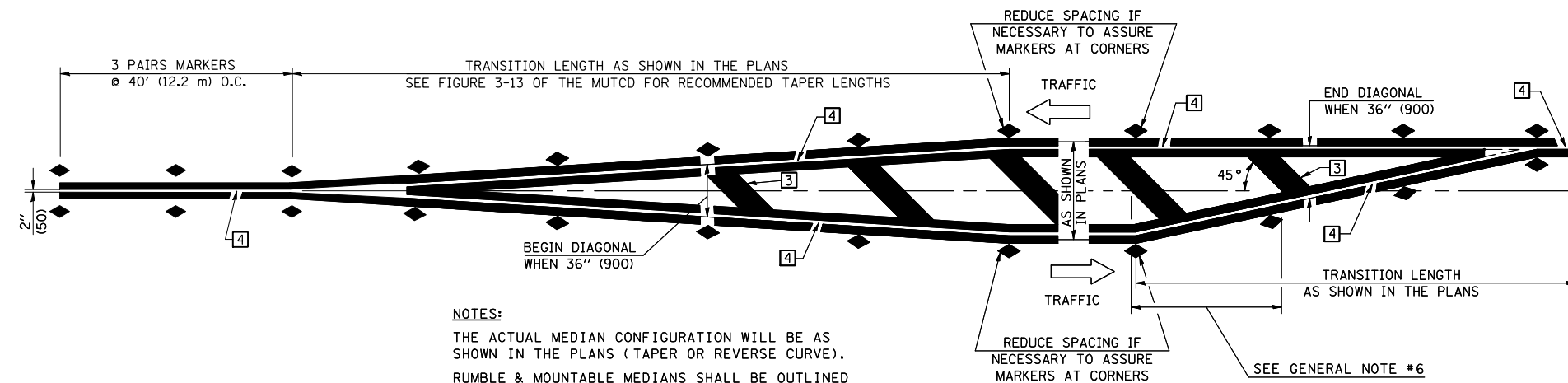
BLOOMINGTON-NORMAL CITY LIMITS ONLY



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

DISTRICT 5 DETAIL NO. 7800AAA

FILE NAME = c:\pwwork\pwwid01\HOGANBJ\d0185087\0570709-sht-details.dgn	USER NAME = hoganbj	DESIGNED - ---	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE. 332	SECTION 47RS-11	COUNTY VERMILION	TOTAL SHEETS 56	SHEET NO. 51		
PLOT SCALE = 40.0000' / IN.	DRAWN - ---	CHECKED - ---	REVISED - 09/2009 - KJI			SCALE: -----	SHEET NO. 2. OF 4. SHEETS	STA. -----	TO STA. -----	CONTRACT NO. 70709		
PLOT DATE = 3/15/2010	DATE - -----	REVISED - ---	REVISED - ---			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT						

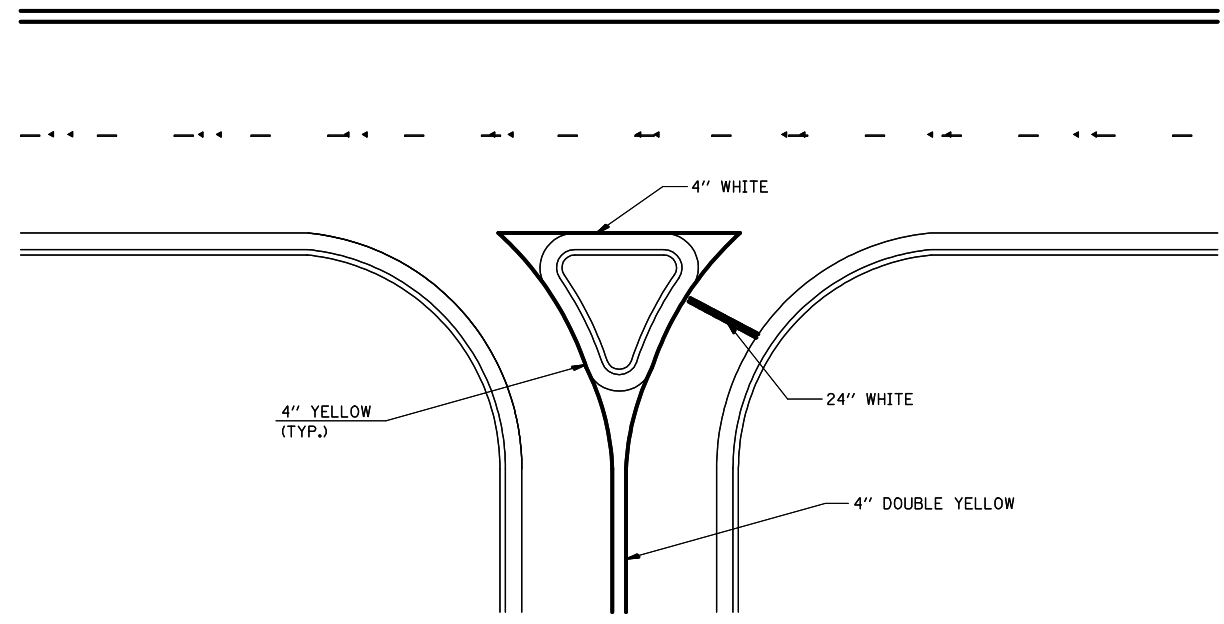


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

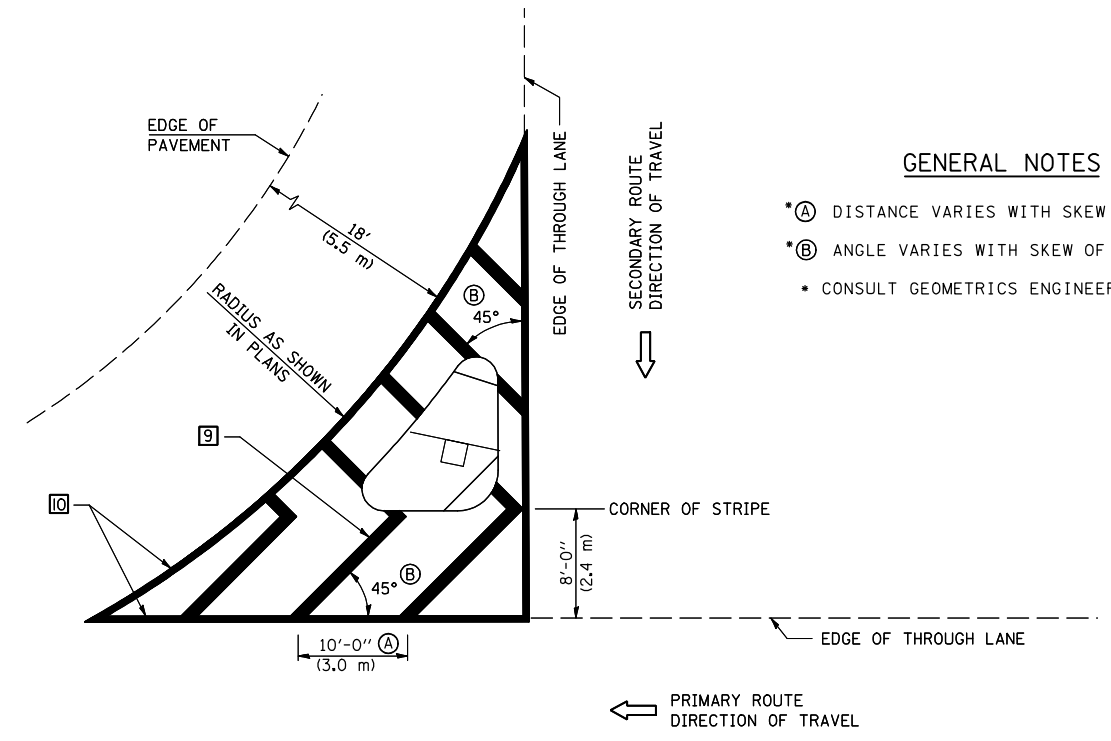
TYPICAL MEDIAN TRANSITIONS

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



GENERAL NOTES

- *A DISTANCE VARIES WITH SKEW OF INTERSECTION.
- *B ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

ISLAND

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

FILE NAME =	USER NAME = hoganbj	DESIGNED -	REVISED - 11/06
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	PLOT DATE = 3/15/2010	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

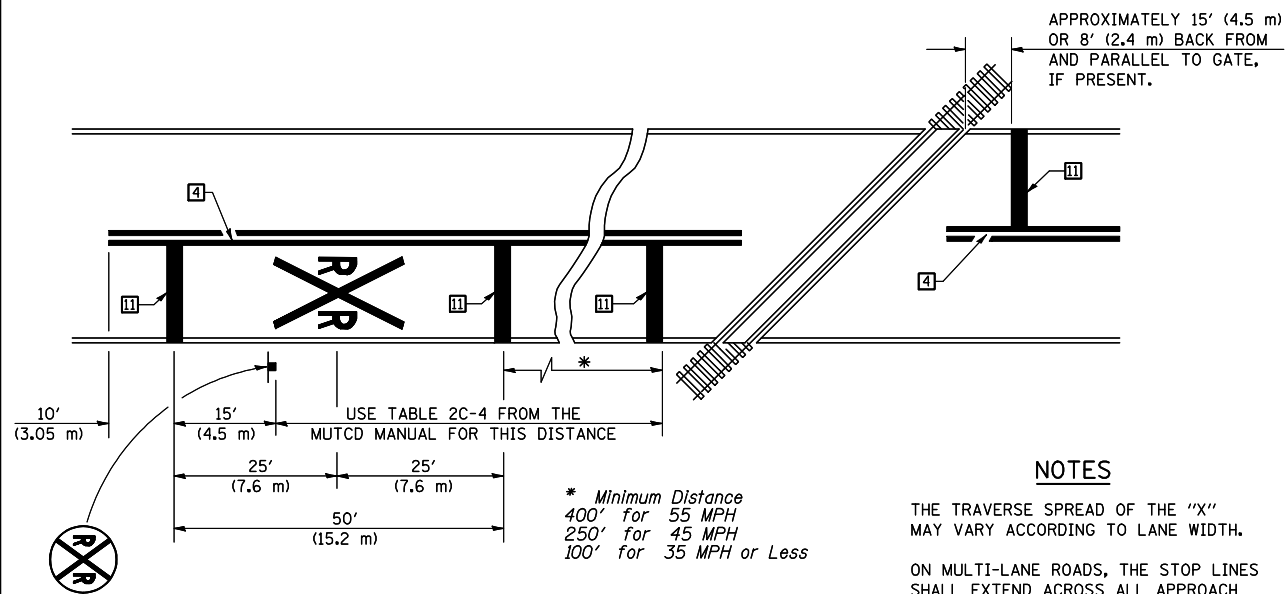
**PAVEMENT MARKING AND MARKERS
 (RURAL & URBAN APPLICATIONS)**

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

DISTRICT 5 DETAIL NO. 7800AAA				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	52
CONTRACT NO. 70709				
FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT				

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

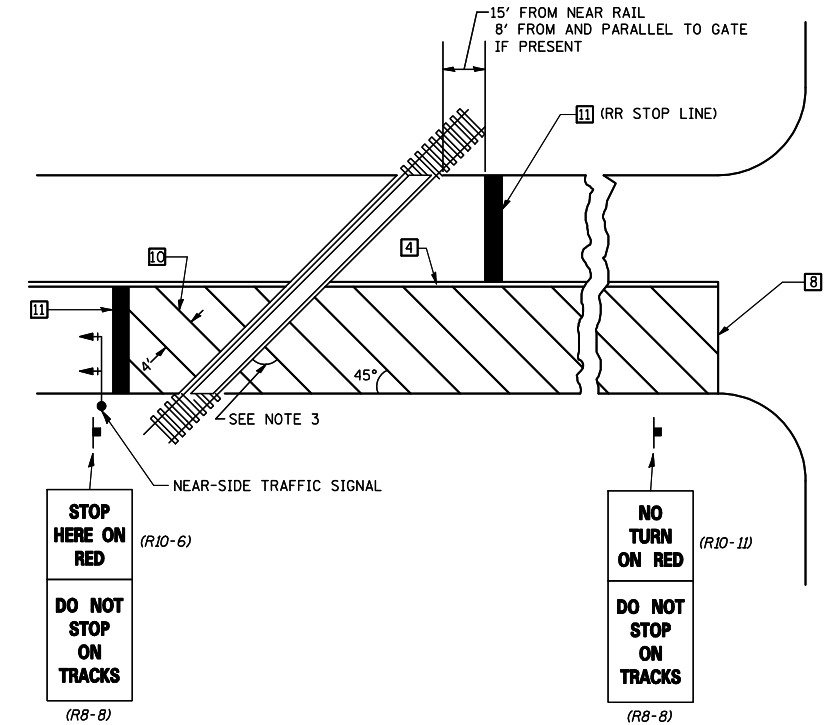
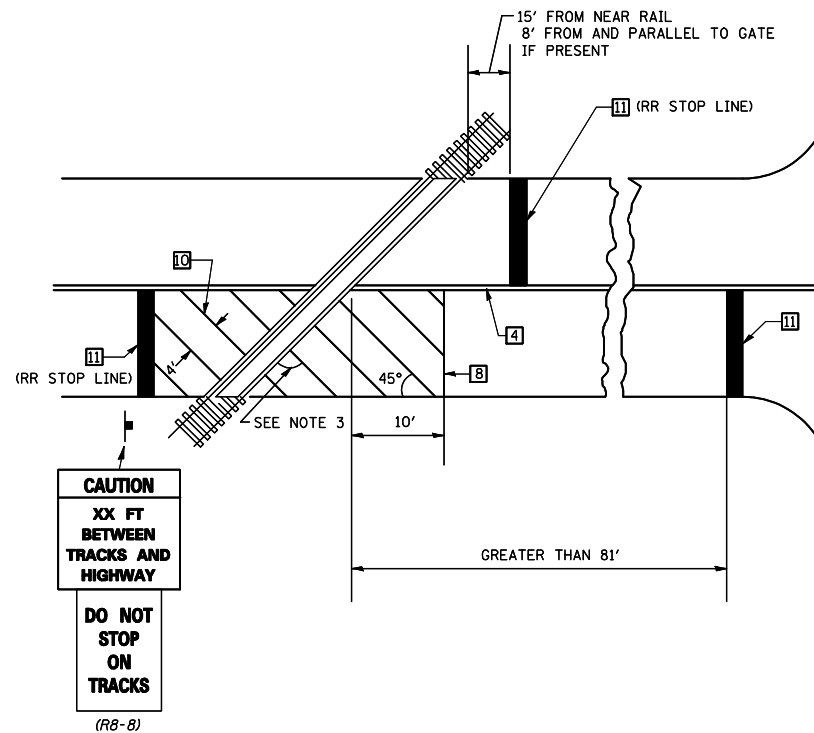
APPROXIMATELY 15' (4.5 m) OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.

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 R XR 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.

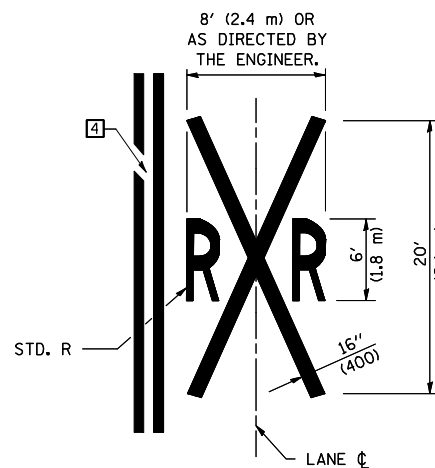
* Minimum Distance
400' for 55 MPH
250' for 45 MPH
100' for 35 MPH or Less



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

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 NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- 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.

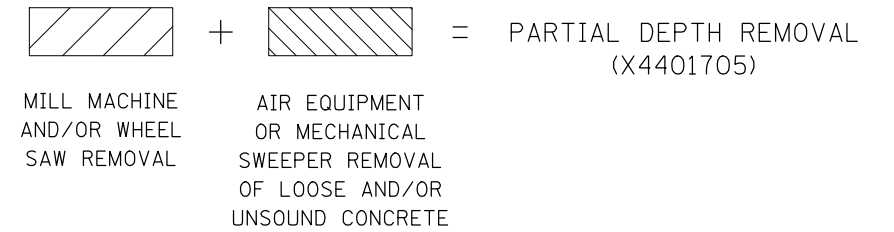
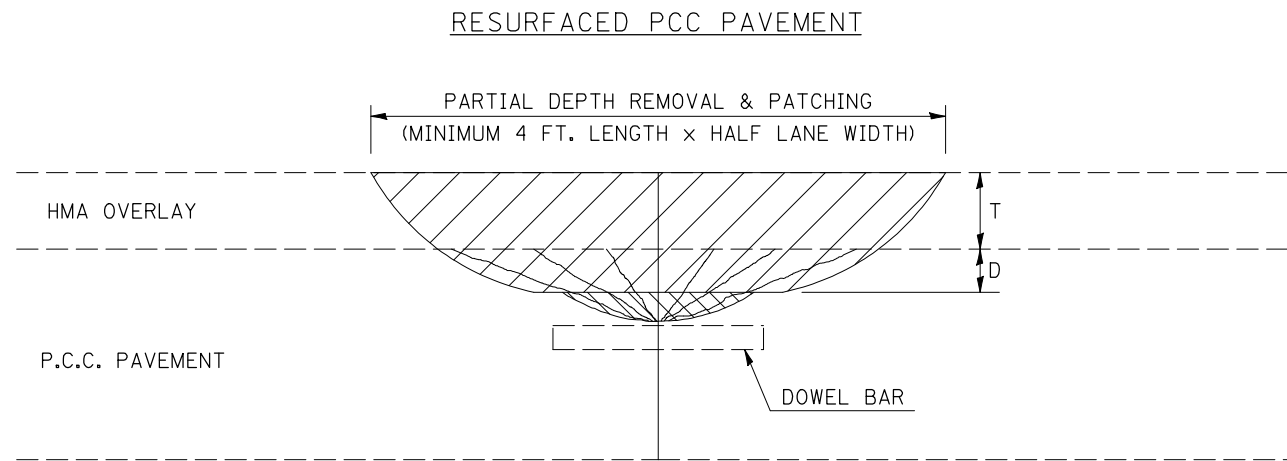
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/15/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

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

DISTRICT 5 DETAIL NO. 7800AAAA				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	53
CONTRACT NO. 70709				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



DESIGN NOTES

PARTIAL DEPTH HMA PATCHING SHALL NOT BE USED WHEN HMA OVERLAY THICKNESS (T) ON PCC PAVEMENT EXCEEDS 5 3/4 INCHES (145 mm) OR ON CRC PAVEMENT.

GENERAL NOTES

ALL VOLUME OF PARTIAL DEPTH REMOVAL SHALL BE REPLACED WITH HOT-MIX ASPHALT (HMA) AND PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR PARTIAL DEPTH PATCHING.

T = THICKNESS OF HMA OVERLAY(S). SEE EXISTING TYPICAL CROSS SECTION.

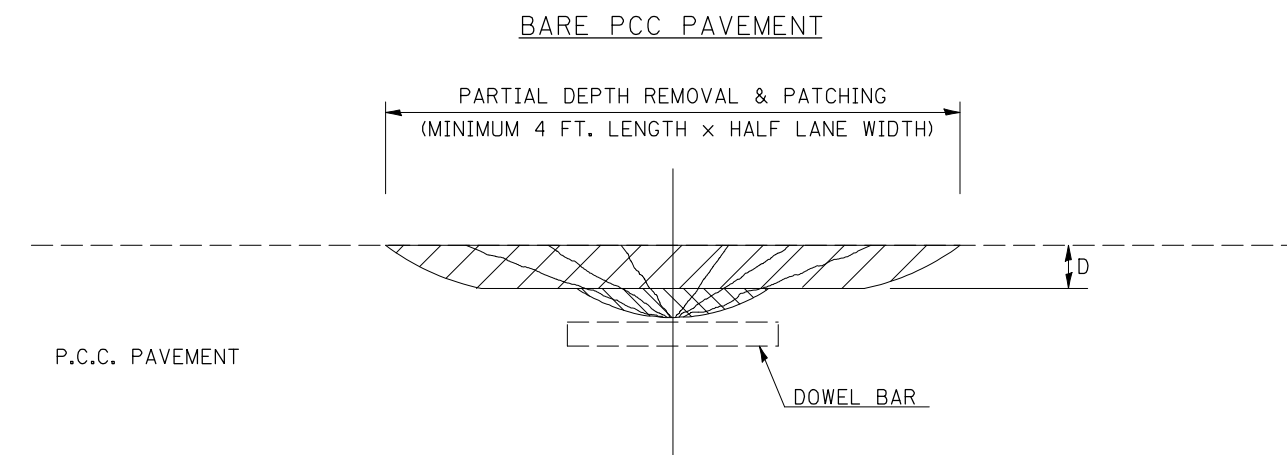
GENERAL NOTE 406H SHALL INCLUDE MIXTURE REQUIREMENTS FOR PARTIAL DEPTH PATCHING.

HMA REPLACEMENT IN RESURFACED PCC PAVEMENT LOCATIONS SHALL BE ACCORDING TO SECTION 406 OF THE STANDARD SPECIFICATIONS.

D = DEPTH OF PARTIAL DEPTH REMOVAL INTO EXISTING PCC PAVEMENT. (3" (75 mm) ± OR TO SOUND CONCRETE)

TRANSVERSE CONTRACTION JOINT SHOWN - OTHER LOCATIONS SIMILAR.

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



FILE NAME =	USER NAME = hoganbj	DESIGNED - ---	REVISED - 11/06
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	PLOT SCALE = 40.0000' / IN.	CHECKED - ---	REVISED - ---
	PLOT DATE = 3/15/2010	DATE - ---	REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

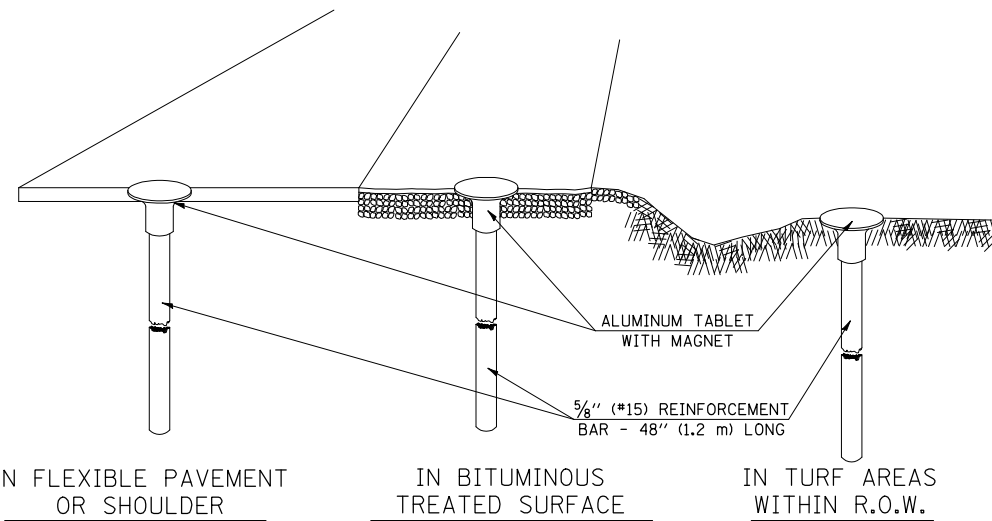
PCC PARTIAL DEPTH HOT-MIX ASPHALT PATCHING

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

DISTRICT 5 DETAIL NO. XX442100				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	54
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT			CONTRACT NO. 70709	

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

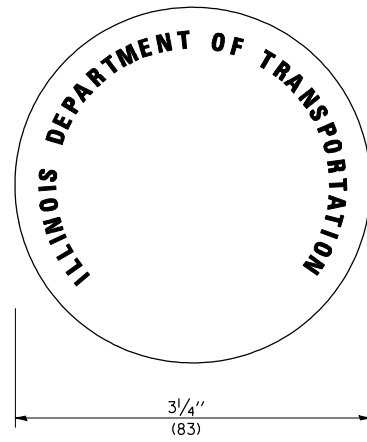
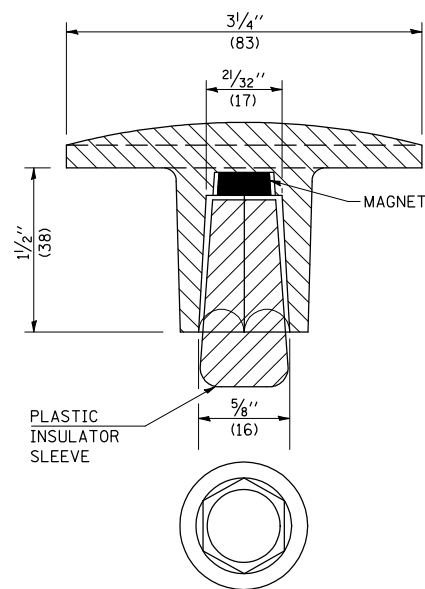
TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



IN FLEXIBLE PAVEMENT OR SHOULDER

IN BITUMINOUS TREATED SURFACE

IN TURF AREAS WITHIN R.O.W.



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE I, (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE SURVEY MARKER.
2. ALL SURVEY MARKERS, TYPE I, (SPECIAL) SHALL BE PLACED $\pm 1/4"$ (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE I, (SPECIAL).

SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. $3/4"$ (83 mm) CONVEX SURVEY CAP FOR $5/8"$ (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF $1/32"$ (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM $1/2"$ (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

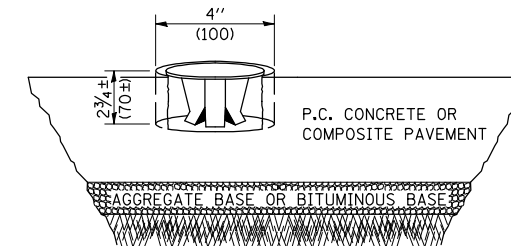
SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE $5/8"$ (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR $5/8"$ (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

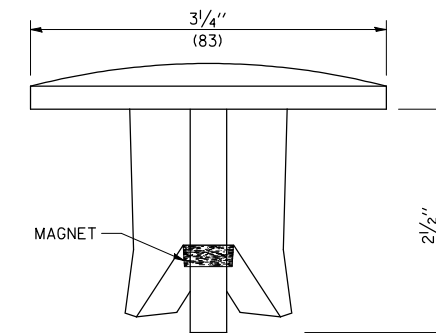
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



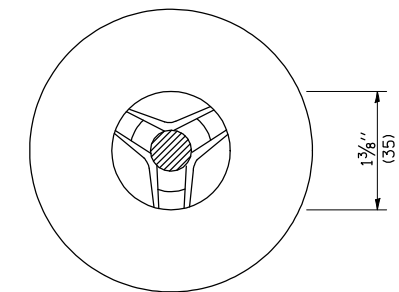
SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE $3/4"$ (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF $1/32"$ (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A $2/2"$ (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa); TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)]. SPECIFICATIONS: ALLOY 535.0; QQ-A-601ES. NO EXCEPTIONS.



SIDE VIEW



BOTTOM VIEW

THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND ALL LABOR AND MATERIAL TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED $\pm 1/4"$ (6 mm) BELOW THE FINAL SURFACE.

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

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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

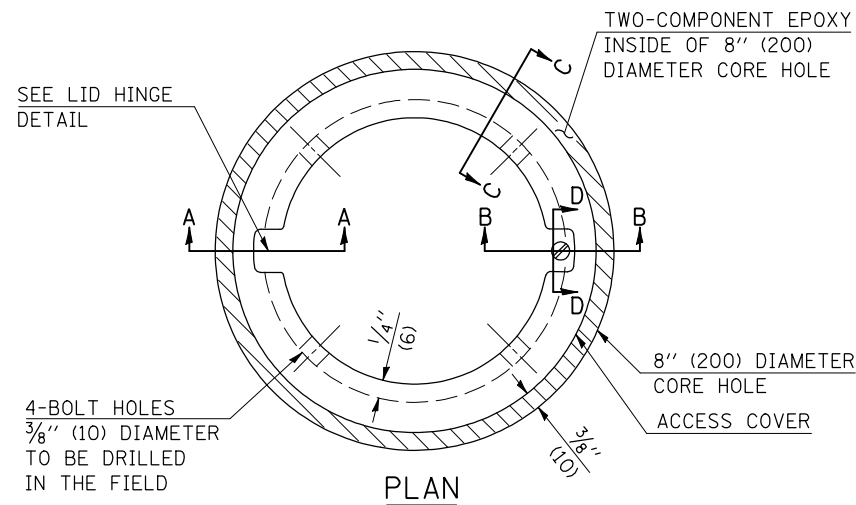
SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

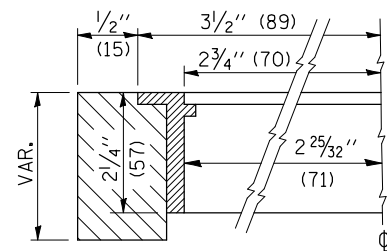
DISTRICT 5 DETAIL NO. XZ193AAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4TRS-11	VERMILION	56	55
CONTRACT NO. 70709				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

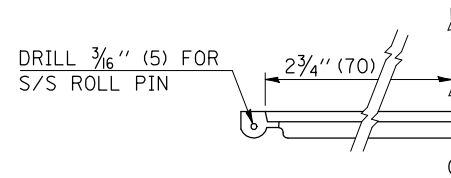
TO BE INSTALLED IN ALL PAVEMENT TYPES FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S) AND LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



- LEGEND**
- ALUMINUM CASTING
 - 5" (125) OR 6" (150) P.V.C. PIPE
 - TWO-COMPONENT EPOXY

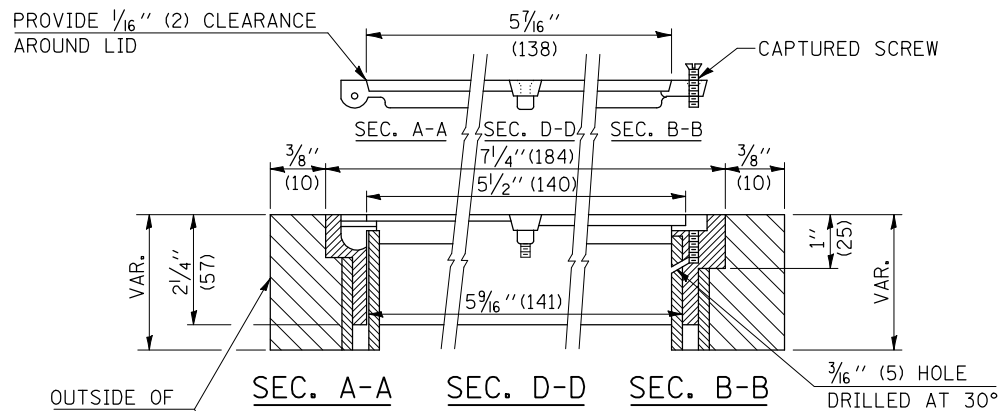


SECTION C-C



LID HINGE DETAIL

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; QQ-A-601Es. NO EXCEPTIONS.



ELEVATION

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).

GENERAL NOTES

1. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
2. THE SURVEY MONUMENT COVER ASSEMBLY SHALL BE CENTERED ABOVE THE SURVEY MONUMENT TO BE PROTECTED.
3. MODIFICATION OF THE ALUMINUM CASTING SHALL BE DONE BY GRINDING OR SAWING WHEN HEIGHT REDUCTION IS REQUIRED.
4. ALL SURVEY MONUMENT COVER ASSEMBLIES SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
5. ALUMINUM CASTING SHALL BE PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE WHEN AN INCREASE IN HEIGHT IS REQUIRED.
6. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
7. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MONUMENT COVER ASSEMBLY WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING THE NEW PAVEMENT SURFACE AND EPOXY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

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

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	PLOT DATE = 3/15/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SURVEY MONUMENT COVER ASSEMBLY

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

DISTRICT 5 DETAIL NO. Z0070100

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-11	VERMILION	56	56
				CONTRACT NO. 70709
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				