

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

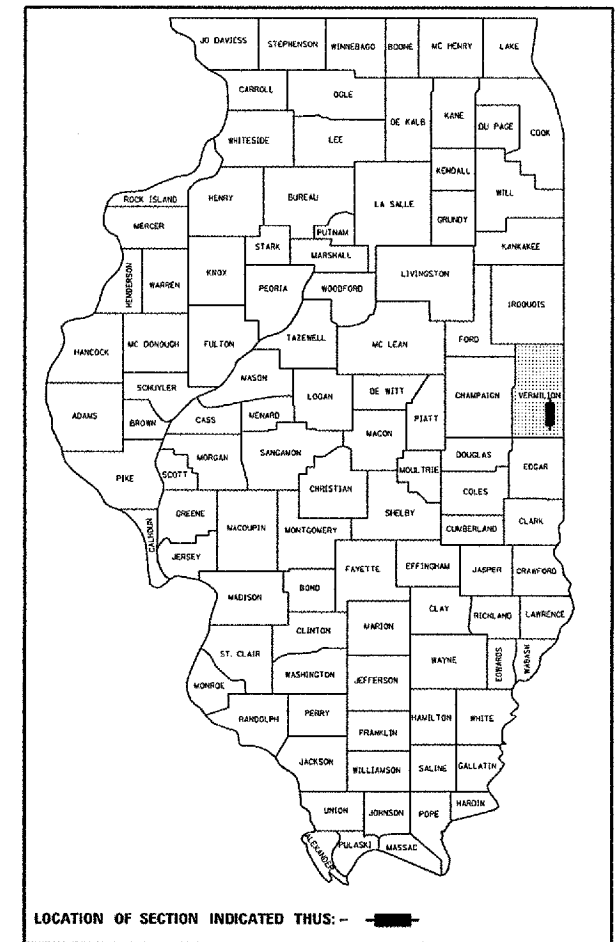
PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 332 (US 150)
SECTION 47RS-12
VERMILION COUNTY
PROJECT NHF-0332(087)

C-95-043-04

RESURFACING MAINTENANCE (3P) FROM
SOUTH CORPORATE LIMITS OF WESTVILLE TO NORTH CORPORATE LIMITS OF GEORGETOWN

D-95-041-04



LOCATION OF SECTION INDICATED THIS: - [shaded area] -

PROJECT ENGINEER: TIM BRANDENBURG (217)465-4181

SQUAD LEADER: JEFF SHERER

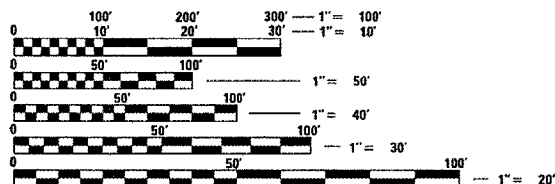
DESIGNER: JEFF SHERER

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

CURRENT TRAFFIC DATA

2007 ADT = 15,700
PU & PC % = 94.9
(ALL SEMI) MU % = 2.0

DESIGN DESIGNATION PRINCIPAL ARTERIAL



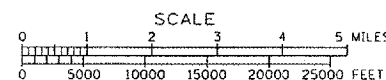
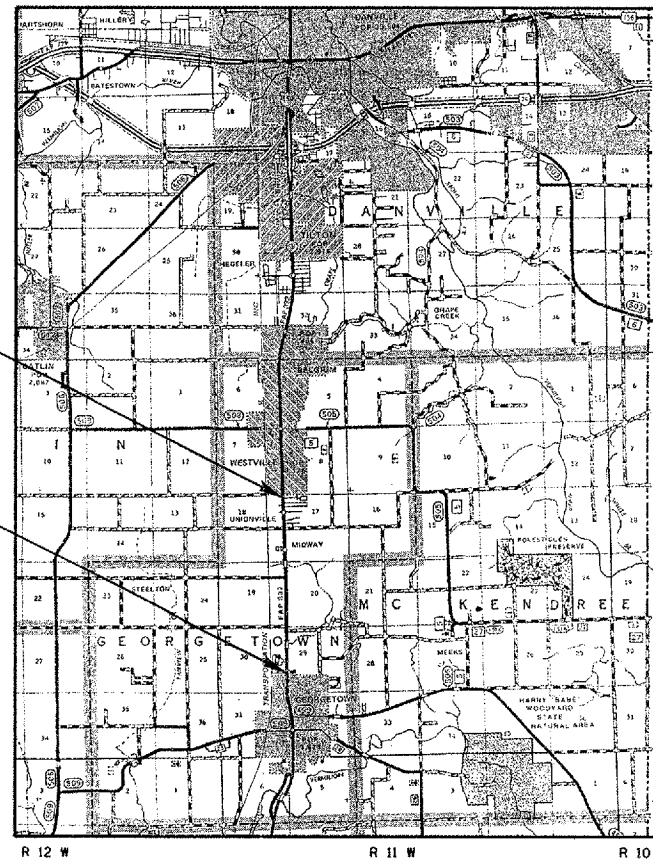
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CONTRACT NO. 70399

PROJECT ENDS
STATION 2743+00

PROJECT BEGINS
STATION 2627+89



TOTAL LENGTH OF SECTION & PROJECT = 11,511 FEET = 2.180 MILES
NET LENGTH OF SECTION & PROJECT = 11,511 FEET = 2.180 MILES



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 2/5 20 07

Joseph E. Crowe
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

March 23 20 07
Eric E. Harris
ENGINEER OF DESIGN AND ENVIRONMENT

March 23 20 07
Milton R. Sees, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	2

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	INDEX OF SHEETS / HIGHWAY STANDARDS
3-4	GENERAL NOTES
5	SUMMARY OF QUANTITIES
6	EXISTING TYPICAL CROSS SECTION
7	PROPOSED TYPICAL CROSS SECTION
8-12	SCHEDULES OF QUANTITIES
13-16	PLAN SHEETS
17-20	PAVEMENT STRIPING DETAILS
21-24	DETAIL OF PAVEMENT MARKING AND MARKERS APPLICATIONS

HIGHWAY STANDARDS

<u>STANDARD NO.</u>	<u>STANDARD DESCRIPTION</u>
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-02	CLASS C AND D PATCHES
701426-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≥ 45 MPH
701606-04	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

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. -403
 BITUMINOUS SURFACE TREATMENTS: GRADATION CA-14 (MID SPEC.) IS ASSUMED FOR COVER COATS AND GRADATION CA-16 (MID-SPEC.) IS ASSUMED FOR SEAL COATS. THE RESULTING TARGET APPLICATION RATES ARE AS FOLLOWS:

TYPE OF CONSTRUCTION	BITUMINOUS MATERIAL	APPLICATION RATE	AGGREGATE	APPLICATION RATE
PRIME COAT (HARD SURFACE)	Any listed in 406.02	0.05 gal/yd ²	FA-1 or FA-2	31b/yd ²
PRIME COAT (AGGREGATE SURFACE)		0.25 gal/yd ² *	FA-1 or FA-2	41b/yd ²
A-1	CRSP or HFP	0.35 gal/yd ²	CA-16 **	191b/yd ²
A-2 (COVER COAT)		0.32 gal/yd ²	CA-14	251b/yd ²
A-2 (SEAL COAT)		0.40 gal/yd ²	CA-16	191b/yd ²
A-3 (1ST COVER COAT)		0.32 gal/yd ²	CA-14	251b/yd ²
A-3 (2ND COVER COAT)		0.45 gal/yd ²	CA-14	251b/yd ²
A-3 (SEAL COAT)		0.35 gal/yd ²	CA-16	191b/yd ²

NOTE: THE ENGINEER RESERVES THE RIGHT TO ADJUST THE TARGET APPLICATION RATES AND THE QUANTITIES.

*NOTE: DO NOT PUDDLE PRIME.

**NOTE: COARSE AGGREGATE ALLOWED SHALL BE ACCORDING TO 1004.03 a), EXCEPT GRAVEL AND CRUSHED CONCRETE WILL NOT BE ALLOWED.

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.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	4

GENERAL NOTES

SHEET 2 OF 2

GN 406H

Mixture Requirements

Location	US 150	US 150
Mixture Use	Level Binder	Surface
AC/PG	PG 64-22	PG 64-22
RAP % (Max)	15	10
Design Air Voids	4.0% @ Ndes=70	4.0% @ Ndes=70
Mix Comp(Gradation)	IL 9.5	IL 9.5
Friction Aggregate	Mix C	Mix D

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. -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).

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	5

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 332 (US 150)
RURAL FOUR-LANE
STA. 2627+89
TO
STA. 2743+00
80% FED
20% STATE
I000

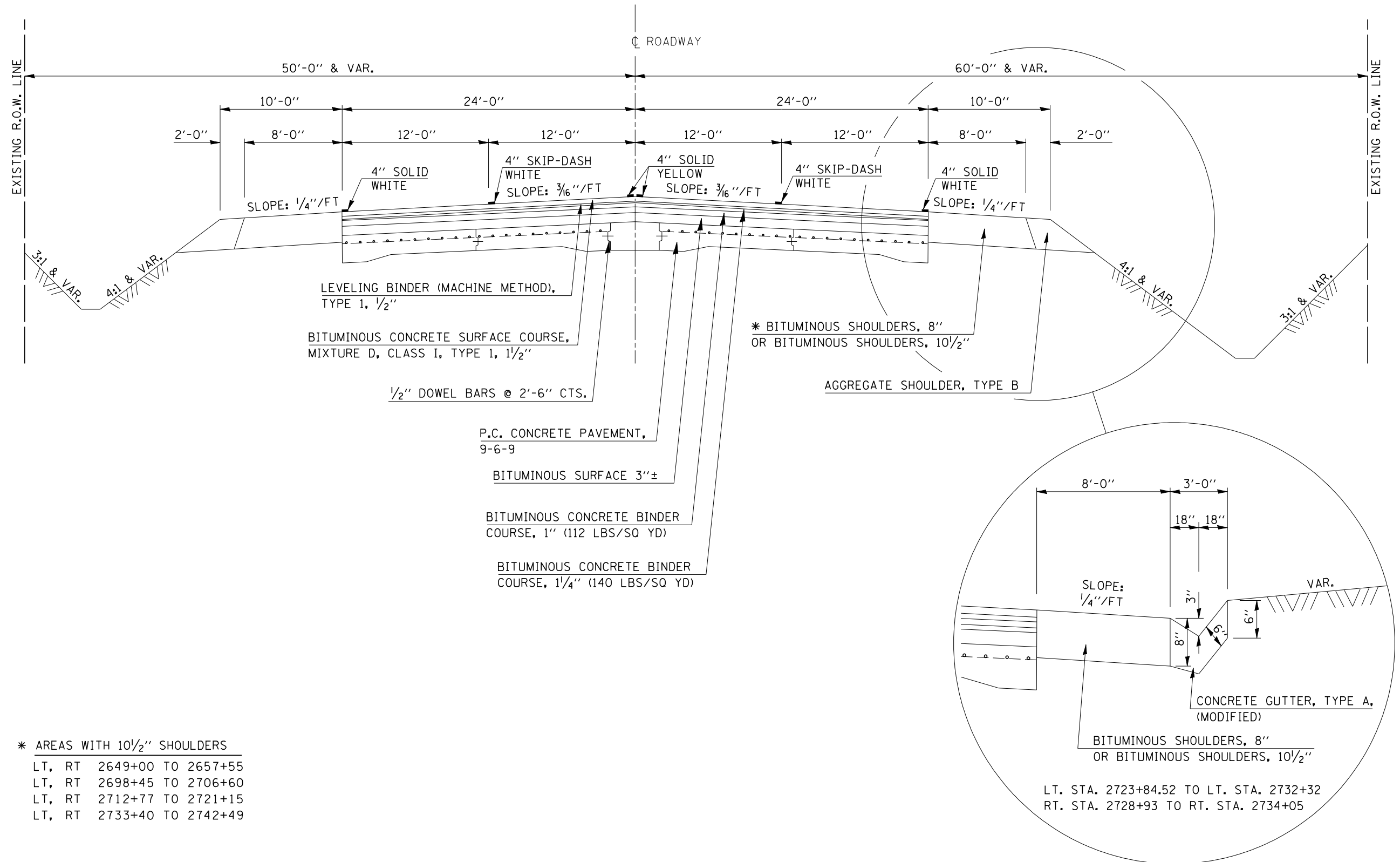
CONSTRUCTION TYPE CODE:

CODE NO	ITEM	UNIT	TOTAL QUANTITY	VERMILION COUNTY
40300602	SEAL COAT AGGREGATE, SPECIAL	TON	77.0	77.0
40300305	POLYMERIZED BITUMINOUS MATERIALS (COVERS ^{AND} SEAL COATS)	GALLON	8254.0	8254.0
40300600	SEAL COAT AGGREGATE	TON	224.0	224.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	8497.0	8497.0
40600300	AGGREGATE (PRIME COAT)	TON	123.0	123.0
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	2579.0	2579.0
40600895	CONSTRUCTING TEST STRIP	EACH	1.0	1.0
40600990	TEMPORARY RAMP	SQ YD	78.0	78.0
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	5157.0	5157.0
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	61392.0	61392.0
44201398	CLASS C PATCHES, TYPE I, 14 INCH	SQ YD	12.0	12.0
44201403	CLASS C PATCHES, TYPE II, 14 INCH	SQ YD	168.0	168.0
44201407	CLASS C PATCHES, TYPE III, 14 INCH	SQ YD	16.0	16.0
44201409	CLASS C PATCHES, TYPE IV, 14 INCH	SQ YD	34.0	34.0
67100100	MOBILIZATION	L SUM	1.0	1.0
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1.0	1.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	16576.0	16576.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1842.0	1842.0
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	31.0	31.0
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	52446.0	52446.0
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	13.0	13.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	568.0	568.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	568.0	568.0
X4032500	BITUMINOUS MATERIALS (COVER AND SEAL COATS), SPECIAL	GALLON	2302.0	2302.0
* SPECIALTY ITEMS				

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	6

EXISTING TYPICAL CROSS SECTION

STATION 2627+89 TO STATION 2743+00



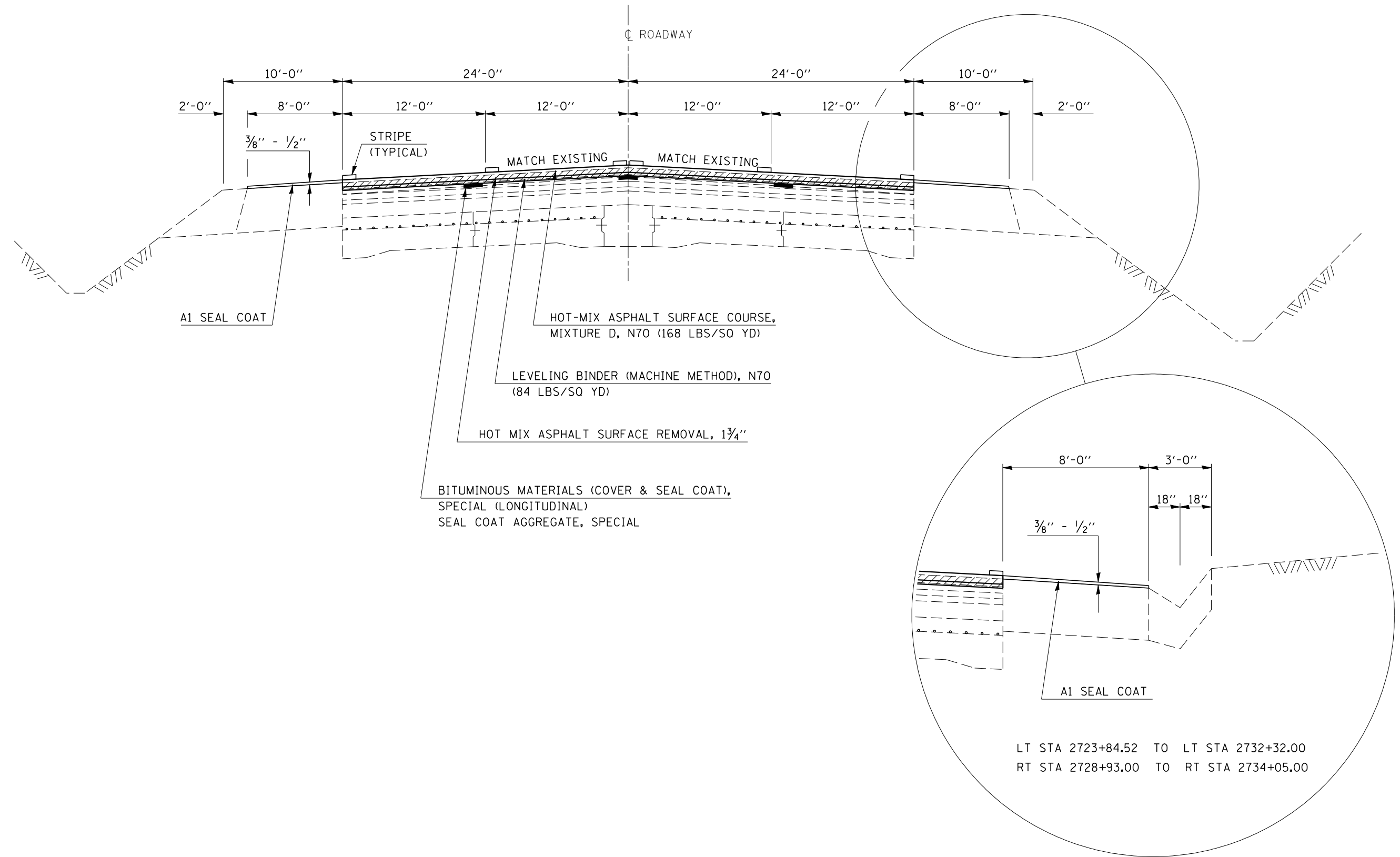
* AREAS WITH 10 1/2" SHOULDERS

- LT, RT 2649+00 TO 2657+55
- LT, RT 2698+45 TO 2706+60
- LT, RT 2712+77 TO 2721+15
- LT, RT 2733+40 TO 2742+49

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	7

① PROPOSED TYPICAL CROSS SECTION

STATION 2627+89 TO STATION 2743+00



PLOT DATE : 2/5/2007
 FILE NAME : c:\projects\4594104\70399\typical.dgn
 PLOT SCALE : 1/8" = 1'-0"
 USER NAME : philip.j

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47R5-12	VERMILION	24	8

SCHEDULES OF QUANTITIES

SHEET 1 OF 5

*** #5000820 SEAL COAT AGGREGATE, SPECIAL**

<u>STATION</u>	<u>TO</u>	<u>STATION</u>	<u>LENGTH (FOOT)</u>	<u>WIDTH (FOOT)</u>	<u>AREA (SQ YD)</u>	<u>APPLICATION RATE (LB/SQ YD)</u>	<u>(TONS)</u>
NB 2627+89.00		NB 2743+00.00	11511.0	2	2558.0	20	25.6
2627+89.00		2743+00.00	11511.0	2	2558.0	20	25.6
SB 2627+89.00		SB 2743+00.00	11511.0	2	2558.0	20	25.6
						TOTAL =	76.7
						USE =	77.0

*** X4032500 BITUMINOUS MATERIALS (COVER AND SEAL COATS), SPECIAL**

<u>STATION</u>	<u>TO</u>	<u>STATION</u>	<u>LENGTH (FOOT)</u>	<u>WIDTH (FOOT)</u>	<u>AREA (SQ YD)</u>	<u>APPLICATION RATE (GAL/SQ YD)</u>	<u>(GALLONS)</u>
NB 2627+89.00		NB 2743+00.00	11511.0	2	2558.0	0.3	767.4
2627+89.00		2743+00.00	11511.0	2	2558.0	0.3	767.4
SB 2627+89.00		SB 2743+00.00	11511.0	2	2558.0	0.3	767.4
						TOTAL =	2302.2
						USE =	2302.0

* SEE SPECIAL PROVISION FOR BITUMINOUS SURFACE TREATMENT, SPECIAL (LONGITUDINAL)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47R5-12	VERMILION	24	9

SCHEDULES OF QUANTITIES

* **40300305 POLYMERIZED BITUMINOUS MATERIALS (COVERS AND SEAL COATS)**

<u>SHOULDERS (A1 SEAL COAT)</u>			<u>LENGTH (FOOT)</u>	<u>WIDTH (FOOT)</u>	<u>AREA (SQ YD)</u>	<u>APPLICATION RATE (GN 403) (GAL/SQ YD) (GALLONS)</u>	
<u>STATION</u>	<u>TO</u>	<u>STATION</u>				<u>(GAL/SQ YD)</u>	<u>(GALLONS)</u>
NB 2627+89.00		NB 2743+00.00	11511.0	8	10232.0	0.35	3581.2
SB 2627+89.00		SB 2743+00.00	11511.0	8	10232.0	0.35	3581.2
						<u>SUB-TOTAL =</u>	<u>7162.4</u>
 <u>SIDE ROADS (A1 SEAL COAT)</u>							
16 TH STREET			30.0	VAR.	928.0	0.35	324.8
TR 900 N (RT 2662+63)			36.0	VAR.	796.0	0.35	278.6
TOWNSHIP ROAD (LT 2665+51.7)			35.0	VAR.	781.0	0.35	273.4
MAPLE GROVE ROAD (LT 2705+41.8)			29.0	VAR.	613.0	0.35	214.6
						<u>SUB-TOTAL =</u>	<u>1091.4</u>
						<u>TOTAL =</u>	<u>8253.8</u>
						<u>USE =</u>	<u>8254.0</u>

* **40300600 SEAL COAT AGGREGATE**

<u>SHOULDERS (A1 SEAL COAT)</u>			<u>LENGTH (FOOT)</u>	<u>WIDTH (FOOT)</u>	<u>AREA (SQ YD)</u>	<u>APPLICATION RATE (GN 403) (LB/SQ YD) (TONS)</u>	
<u>STATION</u>	<u>TO</u>	<u>STATION</u>				<u>(LB/SQ YD)</u>	<u>(TONS)</u>
NB 2627+89.00		NB 2743+00.00	11511.0	8	10232.0	19	97.2
SB 2627+89.00		SB 2743+00.00	11511.0	8	10232.0	19	97.2
						<u>SUB-TOTAL =</u>	<u>194.4</u>
 <u>SIDE ROADS (A1 SEAL COAT)</u>							
16 TH STREET			30.0	VAR.	928.0	19	8.8
TR 900 N (RT 2662+63)			36.0	VAR.	796.0	19	7.6
TOWNSHIP ROAD (LT 2665+51.7)			35.0	VAR.	781.0	19	7.4
MAPLE GROVE ROAD (LT 2705+41.8)			29.0	VAR.	613.0	19	5.8
						<u>SUB-TOTAL =</u>	<u>29.6</u>
						<u>TOTAL =</u>	<u>224.0</u>
						<u>USE =</u>	<u>224.0</u>

* PLAN NOTE:
A1 SEAL COAT WORK ON THE SHOULDERS AND SIDEROADS
SHALL BE DONE PRIOR TO MAINLINE MILLING OPERATIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47R5-12	VERMILION	24	10

SCHEDULES OF QUANTITIES

SHEET 3 OF 5

HOT MIX ASPHALT CALCULATIONS

STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	HMASC THICKNESS (INCHES)	LEV BIND THICKNESS (INCHES)	40603340 P HMA SC MIX "D" N70 (TONS)	40600635 LEV BIND MM N70 (TON)	40600100 BIT MATLS PR CT (GAL)	40600300 AGG PR CT (TONS)	
2627+89.00		2743+00.00	11511.0	48	61392.0	1.5	0.75	5156.9	2578.5	6139.2	122.8	
								SUB-TOTAL =	5156.9	2578.5	6139.2	122.8
 <u>SHOULDERS (A1 SEAL COAT)</u>												
NB 2627+89.00		NB 2743+00.00	11511.0	8	10232.0	N/A	N/A	N/A	N/A	1023.2	N/A	
SB 2627+89.00		SB 2743+00.00	11511.0	8	10232.0	N/A	N/A	N/A	N/A	1023.2	N/A	
								SUB-TOTAL =	N/A	N/A	2046.4	N/A
 <u>SIDE ROADS (A1 SEAL COAT)</u>												
16 TH STREET			30.0	VAR.	928.0	N/A	N/A	N/A	N/A	92.8	N/A	
TR 900 N (RT 2662+63)			36.0	VAR.	796.0	N/A	N/A	N/A	N/A	79.6	N/A	
TOWNSHIP ROAD (LT 2665+51.7)			35.0	VAR.	781.0	N/A	N/A	N/A	N/A	78.1	N/A	
MAPLE GROVE ROAD (LT 2705+41.8)			29.0	VAR.	613.0	N/A	N/A	N/A	N/A	61.3	N/A	
								SUB-TOTAL =	N/A	N/A	311.8	N/A
								TOTAL =	5156.9	2578.5	8497.4	122.8
								USE =	5157.0	2579.0	8497.0	123.0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	11

SCHEDULES OF QUANTITIES

SHEET 4 OF 5

44000156 HMA SURFACE REMOVAL 1-3/4"

STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
NB 2627+89.00		NB 2743+00.00	11511.0	24	30696.0
SB 2627+89.00		SB 2743+00.00	11511.0	24	30696.0
TOTAL =					61392.0
USE =					61392.0

TABULATION OF CLASS C PATCHING - 14"

STATION	DIRECTION	LANE	LENGTH (FT)	WIDTH (FT)	TYPE I 44201398 (SQ YD)	TYPE II 44201403 (SQ YD)	TYPE IV 44201407 (SQ YD)	TYPE V 44201409 (SQ YD)
2628+59	NB	DL	4	12		5.3		
2649+99	NB	DL	6	12		8.0		
2650+48	NB	DL	10	12		13.3		
2657+48	NB	DL	12	12			16.0	
2658+02	NB	DL	8	12		10.7		
2658+05	NB	DL	6	6	4.0			
2658+51	NB	DL	8	4	3.6			
2674+07	NB	DL	6	12		8.0		
2699+58	NB	DL	8	12		10.7		
2704+09	NB	DL	10	6		6.7		
NB SUB-TOTAL =					7.6	62.7	16.0	0.0
								34.0
• 2734+27	SB	DL	51	6		8.0		
•• 2733+29	SB	DL	6	12		6.0		
2731+77	SB	PL	9	6		8.0		
2731+77	SB	PL	6	12		8.0		
2731+77	SB	DL	6	12		8.0		
2716+25	SB	DL	8	12		10.7		
2712+63	SB	DL	20	6		13.3		
2712+28	SB	DL	8	12		10.7		
2705+20	SB	DL	8	12		10.7		
2699+74	SB	DL	6	12		8.0		
2699+24	SB	DL	8	12		10.7		
2681+72	SB	DL	6	6	4.0			
2679+75	SB	DL	8	12		10.7		
SB SUB-TOTAL =					4.0	104.7	0.0	34.0
TOTAL =					11.6	167.3	16.0	34.0
USE =					12.0	168.0	16.0	34.0

• 2740+85 TO 2741+36 (EAST 1/2 OF DL)

•• (OUTSIDE 1/2 OF DL)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	12

SCHEDULES OF QUANTITIES

SHEET 5 OF 5

78000100 THERMOPLASTIC PAVEMENT MARKING LTRS. & SYMB.

STATION	MRKNG TYPE	SO. FT.
2628+65.9	LT TURN ARROW	15.6
2629+70	LT TURN ARROW	15.6
TOTAL =		31.2
USE =		31.0

78000600 THERMOPLASTIC PAVEMENT MARKING-LINE 12" (YELLOW)

STATION	TO	STATION	LINE TYPE	LIN. FT.
RT 2629+91		RT 2629+94	DIAG	6.0
LT 2630+14		LT 2630+17	DIAG	6.0
2630+40		2630+41	DIAG	1.0
TOTAL =				13.0

78000200 THERMOPLASTIC PAVEMENT MARKING-LINE 4" (WHITE)

STATION	TO	STATION	LINE TYPE	LIN. FT.
RT 2627+92		RT 2662+21	SOLID	3429.0
LT 2628+55		LT 2665+08	SOLID	3653.0
LT 2628+65		LT 2629+70	SOLID	105.0
LT 2630+20		LT 2743+00	DASHED	3384.0
RT 2630+60		RT 2743+00	DASHED	3372.0
RT 2663+07		RT 2743+00	SOLID	7993.0
LT 2665+95		LT 2704+99	SOLID	3904.0
LT 2705+86		LT 2727+41	SOLID	2155.0
LT 2728+22		LT 2730+39	SOLID	217.0
LT 2731+06		LT 2743+00	SOLID	1194.0
TOTAL =				29406.0

78100100 RAISED REFLECTIVE MARKER (CRYSTAL MONODIRECTIONAL)

STATION	TO	STATION	EACH
2628+70		2629+70	3
LT 2630+45		LT 2742+05	139.5
RT 2630+45		RT 2742+05	139.5
SUB-TOTAL =			282.0

78100100 RAISED REFLECTIVE MARKERS (AMBER BIDIRECTIONAL)

STATION	TO	STATION	EACH
2628+70		2629+70	3
2629+70		2630+45	4
LT 2630+45		LT 2742+05	139.5
RT 2630+45		RT 2742+05	139.5
SUB-TOTAL =			286.0
TOTAL =			568.0

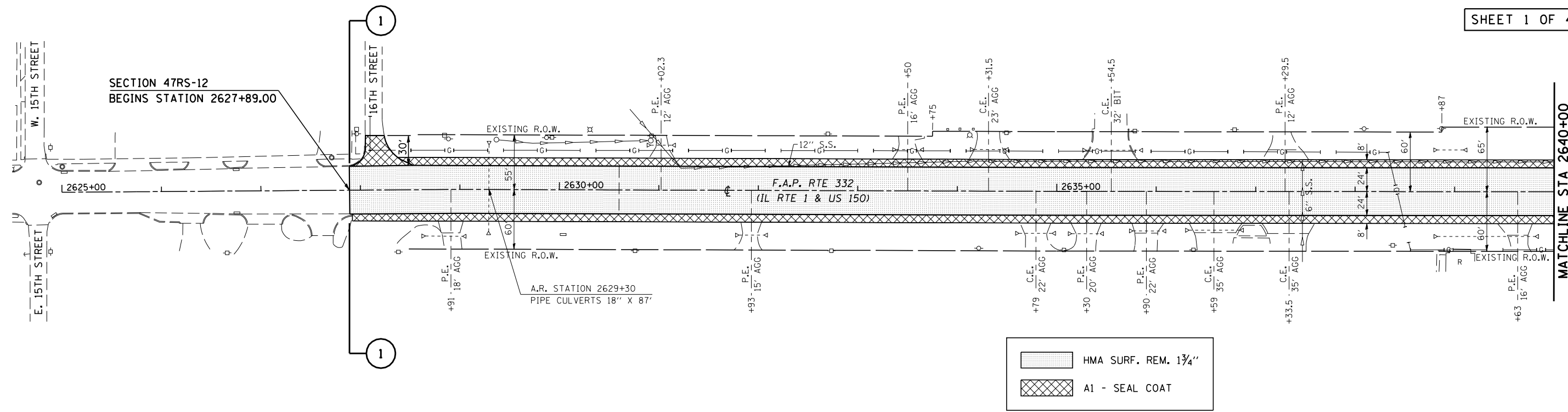
78000200 THERMOPLASTIC PAVEMENT MARKING-LINE 4" (YELLOW)

STATION	TO	STATION	LINE TYPE	LIN. FT.
RT 2628+65		RT 2629+70	DOUBLE SOLID	210.0
RT 2629+70		RT 2630+00	DOUBLE SOLID	60.0
RT 2629+70		RT 2630+45	DOUBLE SOLID	150.0
LT 2630+00		LT 2630+45	DOUBLE SOLID	90.0
2630+45		2743+10	DOUBLE SOLID	22530.0
TOTAL =				23040.0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	13
STA. 2625+00		TO STA. 2655+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

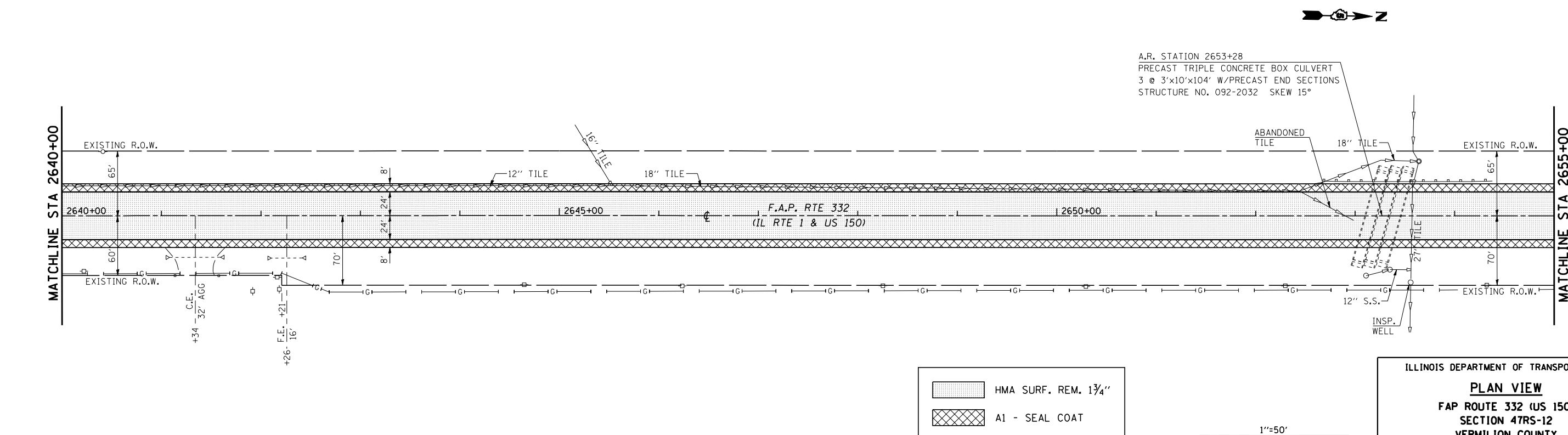
SHEET 1 OF 4

SEC 30, T18N, R11W, 2nd PM



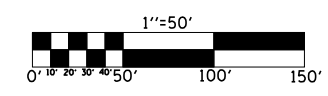
SEC 29, T18N, R11W, 2nd PM

SEC 30, T18N, R11W, 2nd PM



SEC 29, T18N, R11W, 2nd PM

PLOT DATE = 2/5/2007
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 PLOT SCALE = 1/8" = 50' / IN.
 USER NAME = philipj



ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN VIEW

FAP ROUTE 332 (US 150)
SECTION 47RS-12
VERMILION COUNTY

SCALE: 1" = 50'
DATE: 06/29/2006

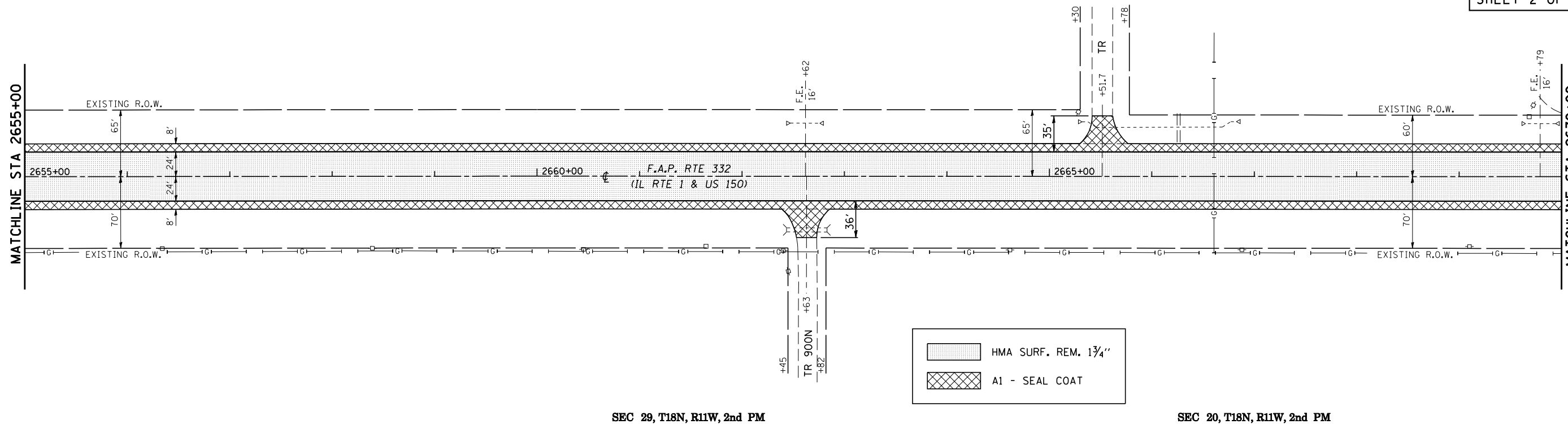
DRAWN BY: CADD
CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	14
STA. 2655+00		TO STA. 2685+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SEC 30, T18N, R11W, 2nd PM

SEC 19, T18N, R11W, 2nd PM

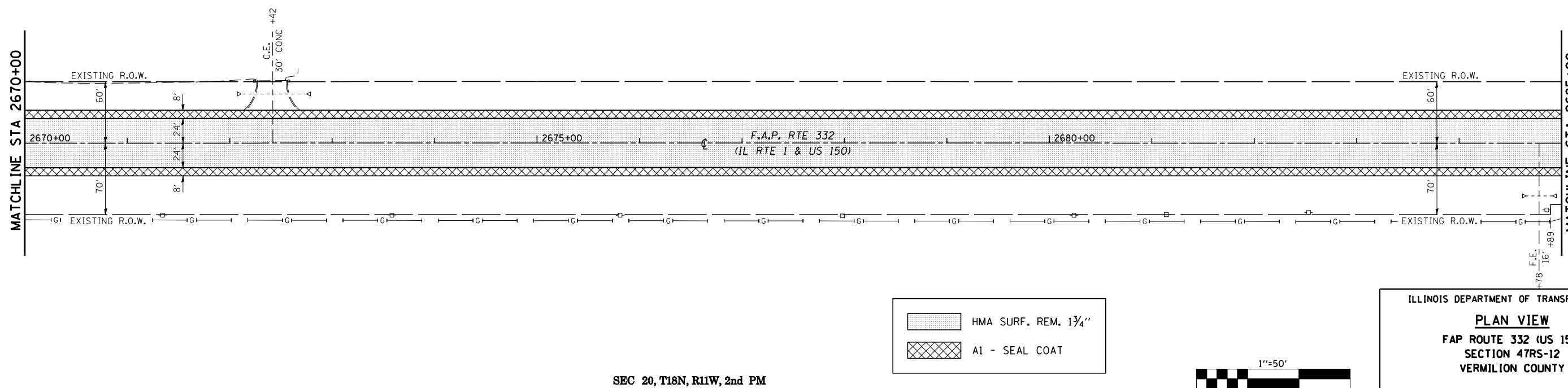
SHEET 2 OF 4



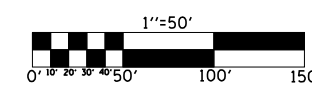
SEC 29, T18N, R11W, 2nd PM

SEC 20, T18N, R11W, 2nd PM

SEC 19, T18N, R11W, 2nd PM



SEC 20, T18N, R11W, 2nd PM



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 FAP ROUTE 332 (US 150)
 SECTION 47RS-12
 VERMILION COUNTY

SCALE: 1" = 50'
 DATE: 06/29/2006

DRAWN BY: CADD
 CHECKED BY:

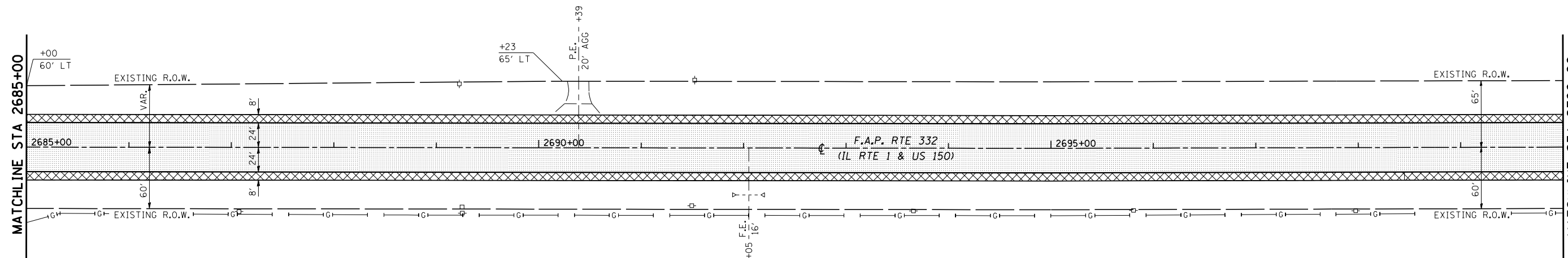
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 PLOT SCALE : 1/8" = 50' / IN.
 USER NAME : philipj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	15
STA. 2685+00		TO STA. 2715+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEC 19, T18N, R11W, 2nd PM

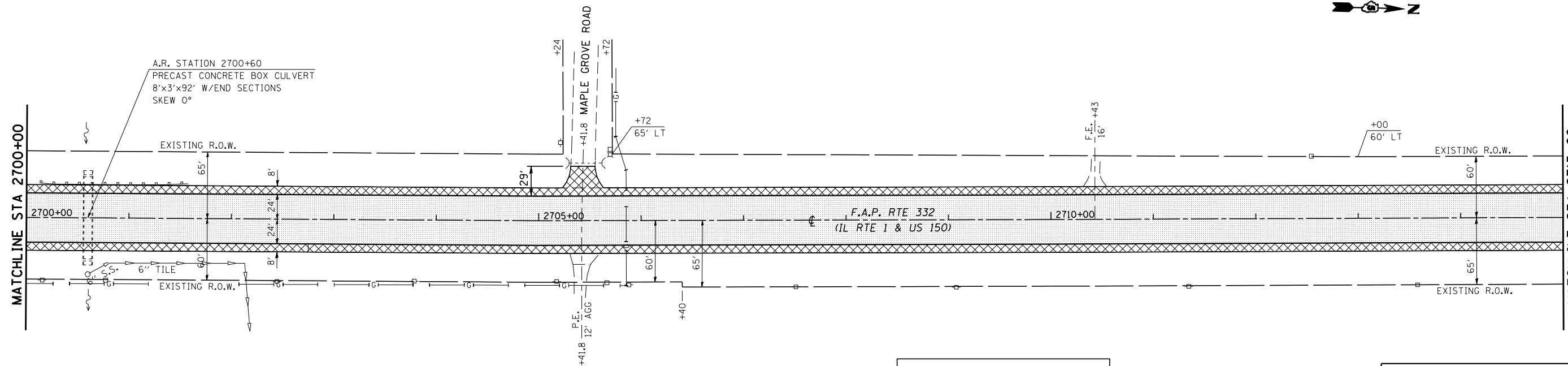


SHEET 3 OF 4

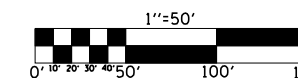


SEC 20, T18N, R11W, 2nd PM

SEC 19, T18N, R11W, 2nd PM



SEC 20, T18N, R11W, 2nd PM



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 FAP ROUTE 332 (US 150)
 SECTION 47RS-12
 VERMILION COUNTY

SCALE: 1" = 50'
 DATE: 06/29/2006

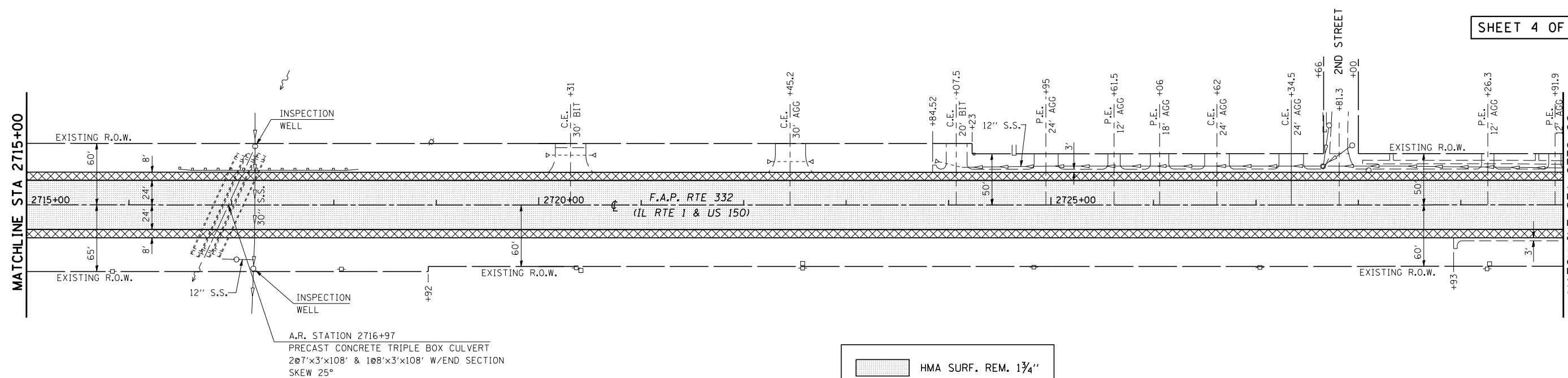
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 CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	16
STA. 2715+00		TO STA. 2745+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SEC 19, T18N, R11W, 2nd PM

SEC 18, T18N, R11W, 2nd PM

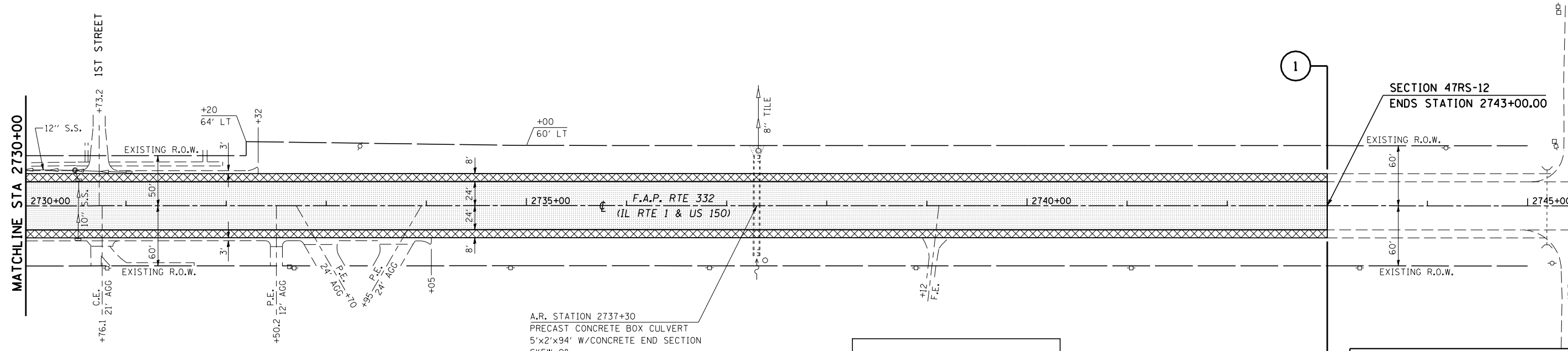
SHEET 4 OF 4



SEC 20, T18N, R11W, 2nd PM

SEC 17, T18N, R11W, 2nd PM

SEC 18, T18N, R11W, 2nd PM

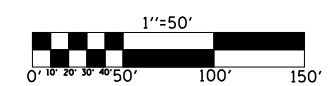


SEC 17, T18N, R11W, 2nd PM

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 FAP ROUTE 332 (US 150)
 SECTION 47RS-12
 VERMILION COUNTY

SCALE: 1" = 50'
 DATE: 06/29/2006

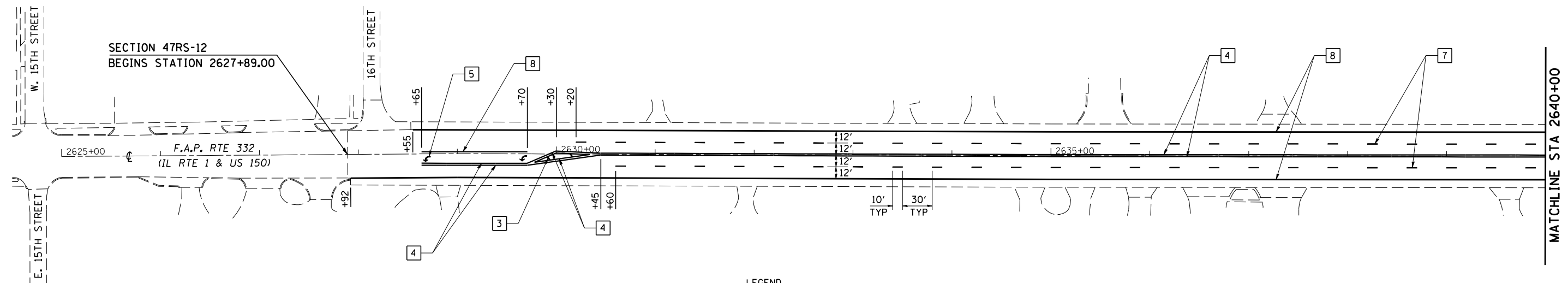
DRAWN BY: CADD
 CHECKED BY:



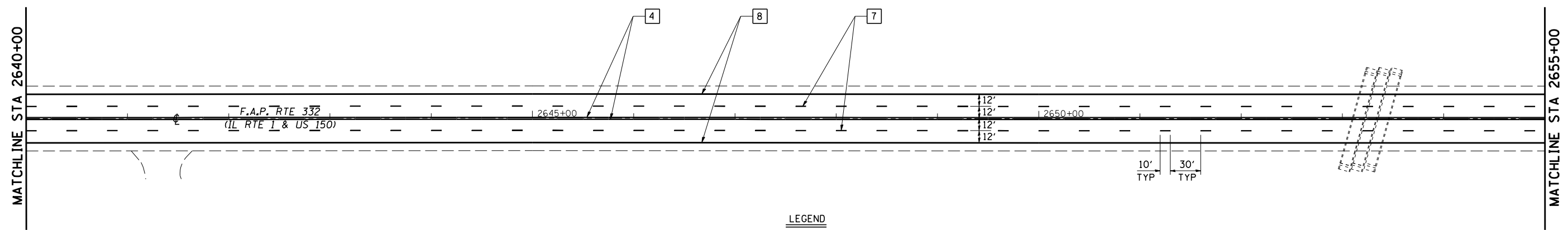
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 USER NAME = philipj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	17
STA. 2625+00		TO STA. 2655+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET 1 OF 4



- LEGEND**
- 3 12" DIAGONAL (YELLOW)
 - 4 4" DOUBLE YELLOW (NARROW)
 - 5 LEFT TURN ARROW
 - 7 4" SKIP-DASH (WHITE)
 - 8 4" SOLID (WHITE)



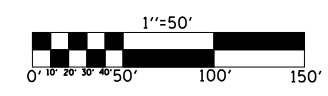
- LEGEND**
- 4 4" DOUBLE YELLOW (NARROW)
 - 7 4" SKIP-DASH (WHITE)
 - 8 4" SOLID (WHITE)

SHEET 1 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT STRIPING DETAILS
 FAP ROUTE 332 (US 150)
 SECTION 47RS-12
 VERMILION COUNTY

SCALE: 1" = 50'
 DATE: 01/10/2007

DRAWN BY: CADD
 CHECKED BY:

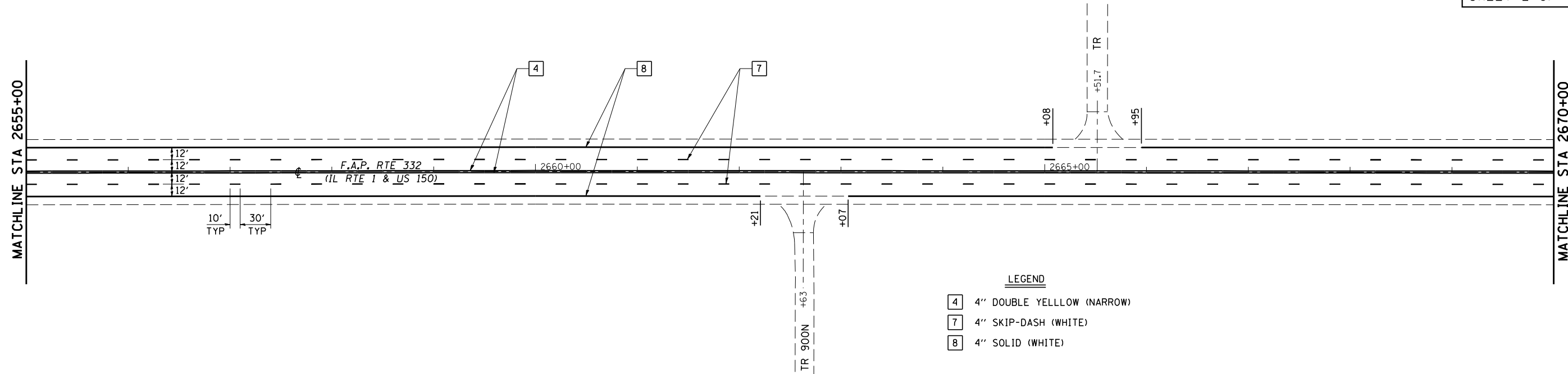


PLOT DATE : 2/5/2007
 FILE NAME : c:\projects\4594104\70399\pav.dgn
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 USER NAME : philipj

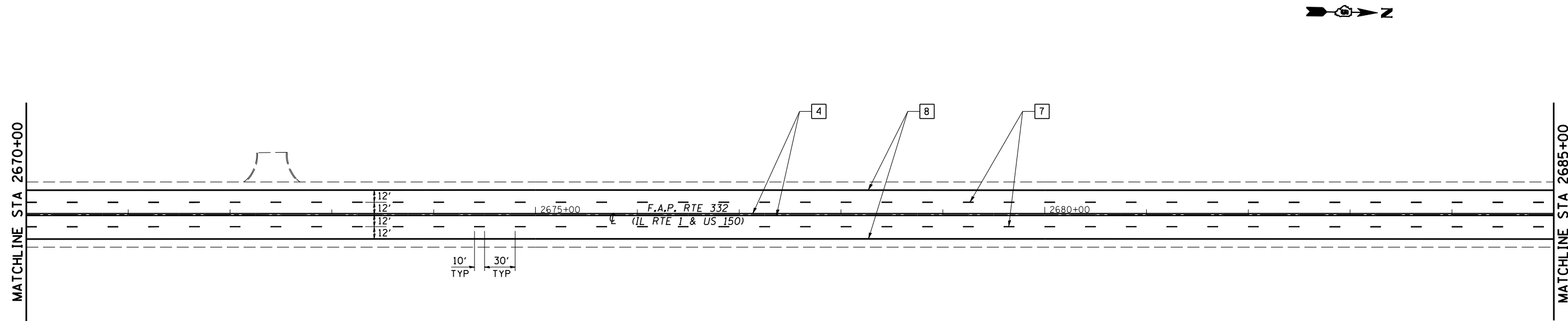
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	18
STA. 2655+00		TO STA. 2685+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



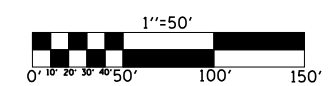
SHEET 2 OF 4



- LEGEND**
- 4 4" DOUBLE YELLOW (NARROW)
 - 7 4" SKIP-DASH (WHITE)
 - 8 4" SOLID (WHITE)



- LEGEND**
- 4 4" DOUBLE YELLOW (NARROW)
 - 7 4" SKIP-DASH (WHITE)
 - 8 4" SOLID (WHITE)



SHEET 2 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT STRIPING DETAILS
 FAP ROUTE 332 (US 150)
 SECTION 47RS-12
 VERMILION COUNTY

SCALE: 1" = 50'
 DATE: 01/10/2007

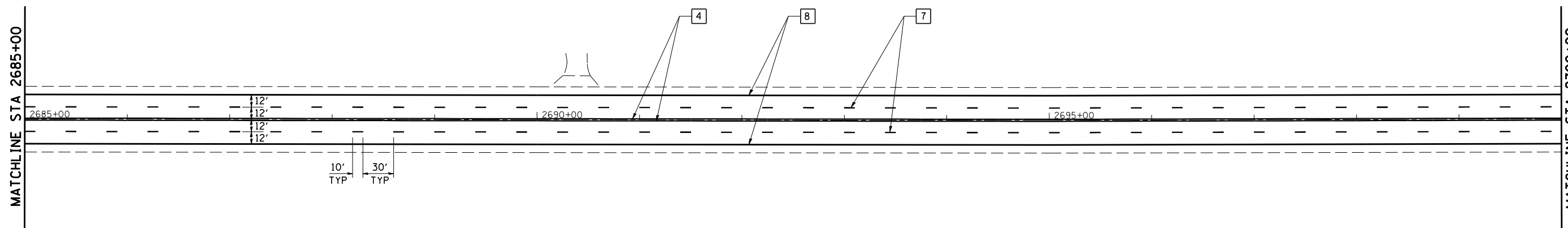
DRAWN BY: CADD
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PLOT DATE : 2/5/2007
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 PLOT SCALE : 1/8"=50' / IN.
 USER NAME : philipj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	19
STA. 2685+00		TO STA. 2715+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

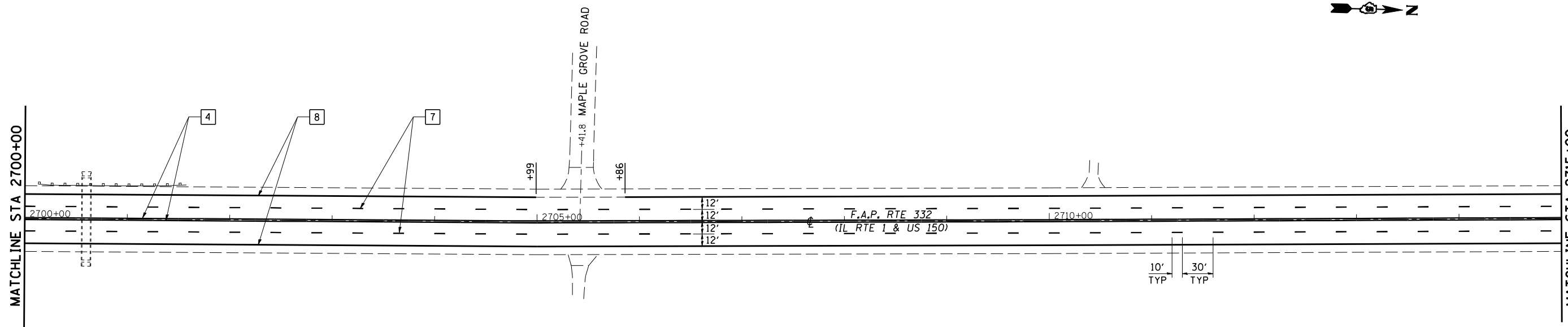


SHEET 3 OF 4



LEGEND

- 4 4" DOUBLE YELLOW (NARROW)
- 7 4" SKIP-DASH (WHITE)
- 8 4" SOLID (WHITE)

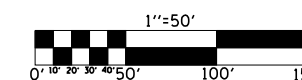


LEGEND

- 4 4" DOUBLE YELLOW (NARROW)
- 7 4" SKIP-DASH (WHITE)
- 8 4" SOLID (WHITE)

SHEET 3 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT STRIPING DETAILS
 FAP ROUTE 332 (US 150)
 SECTION 47RS-12
 VERMILION COUNTY

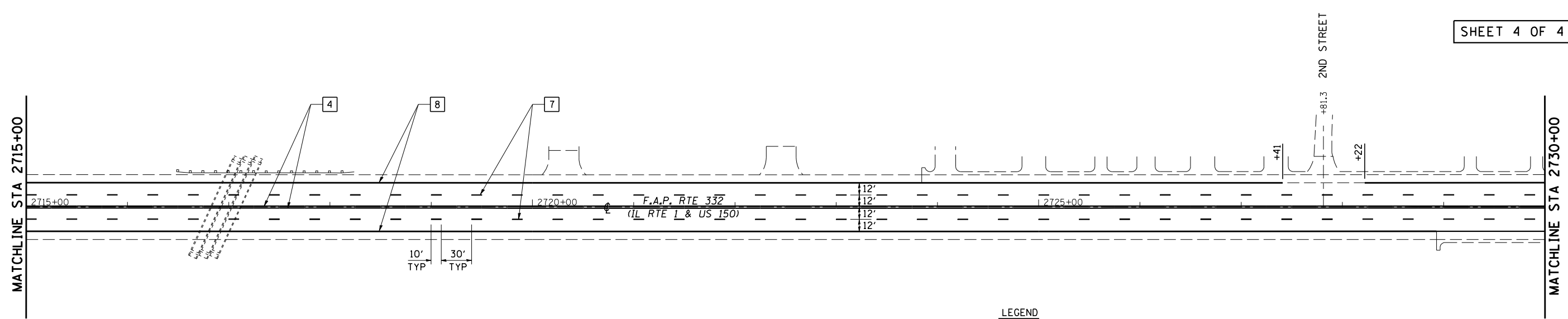


SCALE: 1" = 50'
 DATE: 01/10/2007

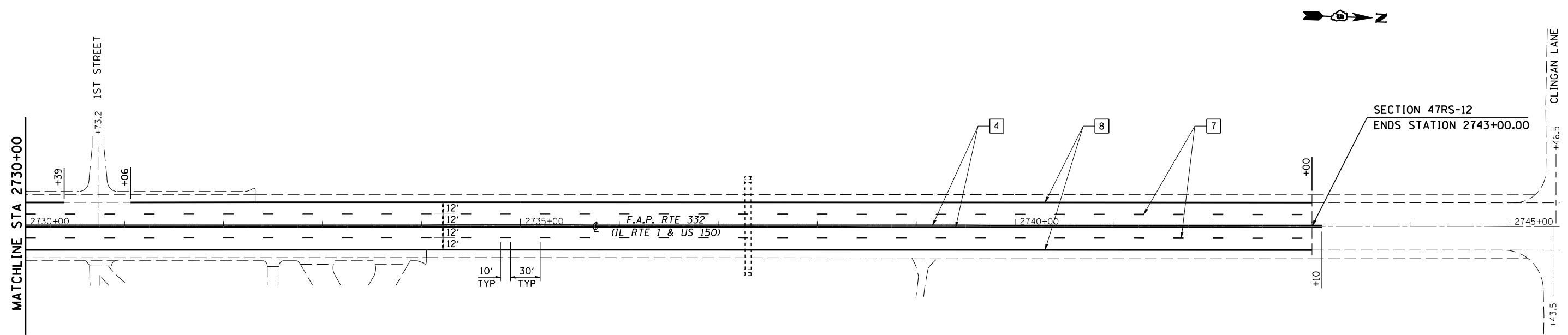
DRAWN BY: CADD
 CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	20
STA. 2715+00		TO STA. 2745+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET 4 OF 4



- LEGEND**
- 4 4" DOUBLE YELLOW (NARROW)
 - 7 4" SKIP-DASH (WHITE)
 - 8 4" SOLID (WHITE)



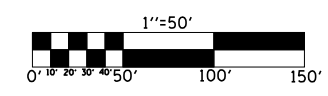
- LEGEND**
- 4 4" DOUBLE YELLOW (NARROW)
 - 7 4" SKIP-DASH (WHITE)
 - 8 4" SOLID (WHITE)

SHEET 4 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT STRIPING DETAILS
 FAP ROUTE 332 (US 150)
 SECTION 47RS-12
 VERMILION COUNTY

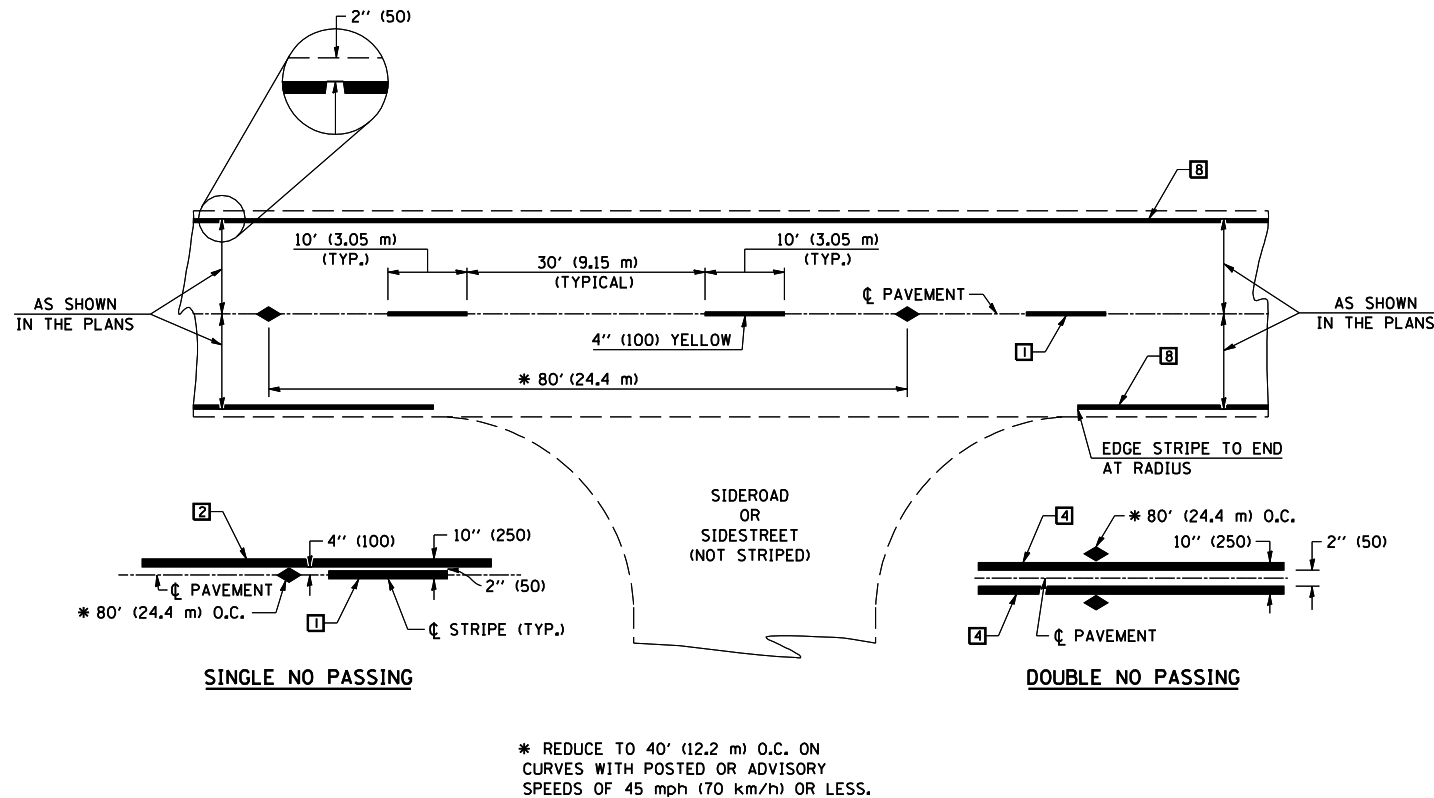
SCALE: 1" = 50'
 DATE: 01/10/2007

DRAWN BY: CADD
 CHECKED BY:



PLOT DATE : 2/5/2007
 FILE NAME : c:\projects\4594104\70399\pavmg.dgn
 PLOT SCALE : 1/8"=50' / IN.
 USER NAME : philipj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	21



* 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

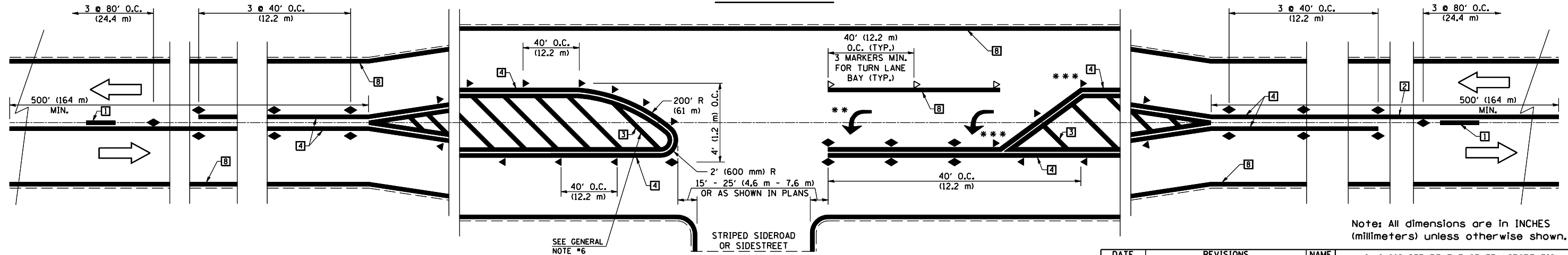
TYPICAL PAVEMENT MARKING LEGEND

- 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



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

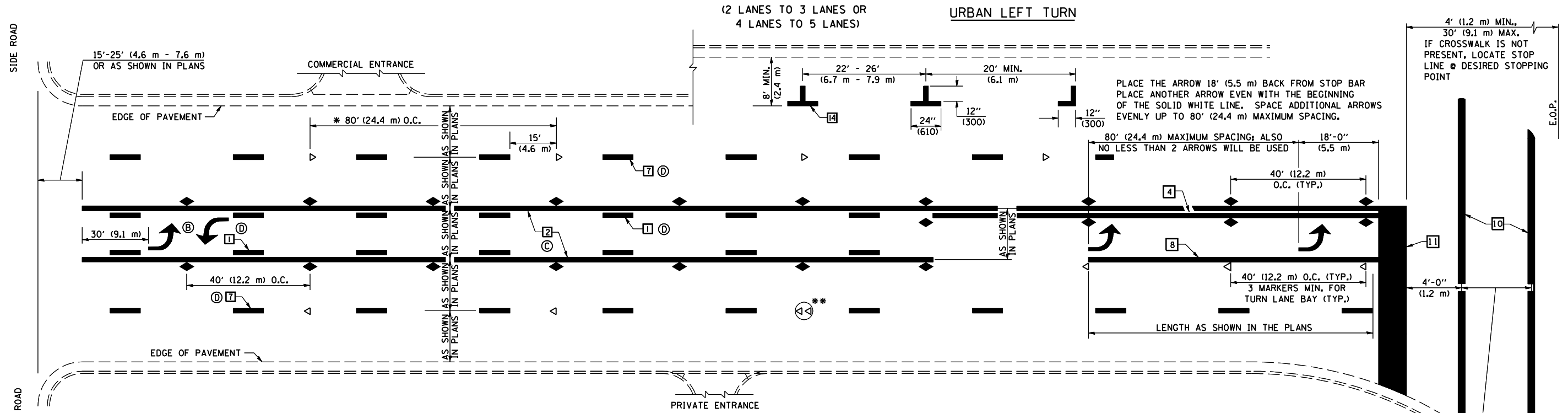
*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.
 ** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
DISTRICT 5 DETAIL NO. 7800AAAA

PLOT DATE = 2/5/2007
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 USER NAME = philipj

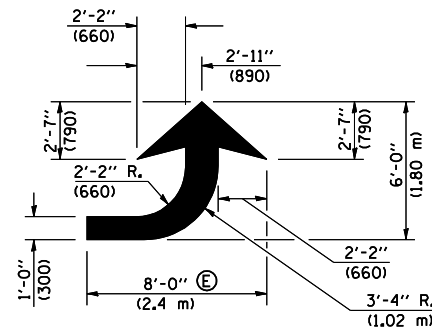
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	22



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

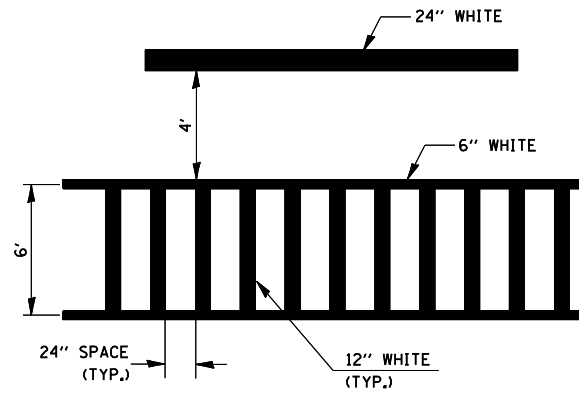
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

BLOOMINGTON-NORMAL CITY LIMITS ONLY

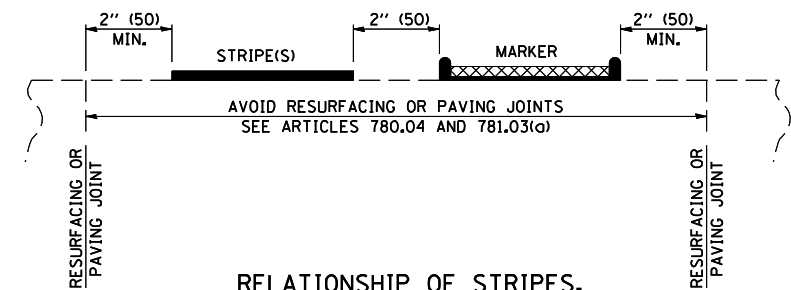


LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)



TYPICAL SPACING FOR CROSSWALKS & STOP BARS

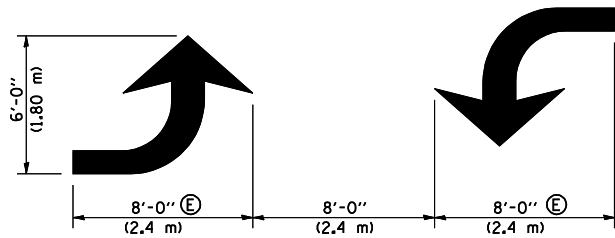


RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

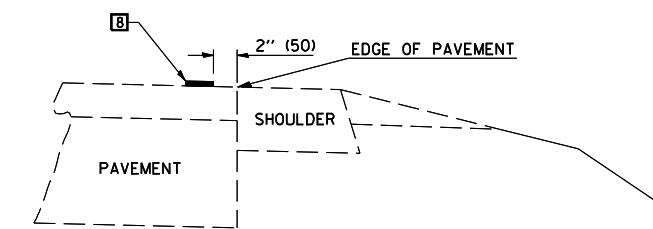
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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.
- Ⓔ TURN ARROW SIZE DEPENDS ON THE LOCATION. RURAL LOCATION - LARGE ARROW SIZE URBAN LOCATION - SMALL ARROW SIZE



TYPICAL DOUBLE TURN ARROWS (WHITE)

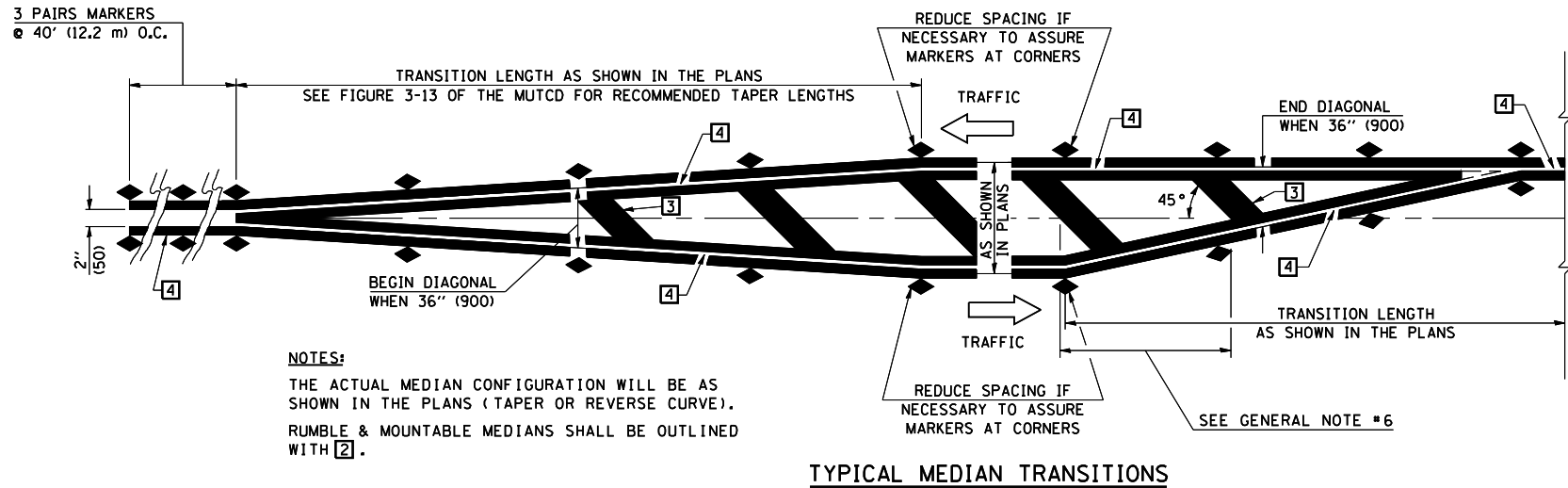


RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT (SAFETY SHOULDER OR PAVED SURFACE) SEE ARTICLE 780.04

DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
DISTRICT 5 DETAIL NO. 7800AAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	23



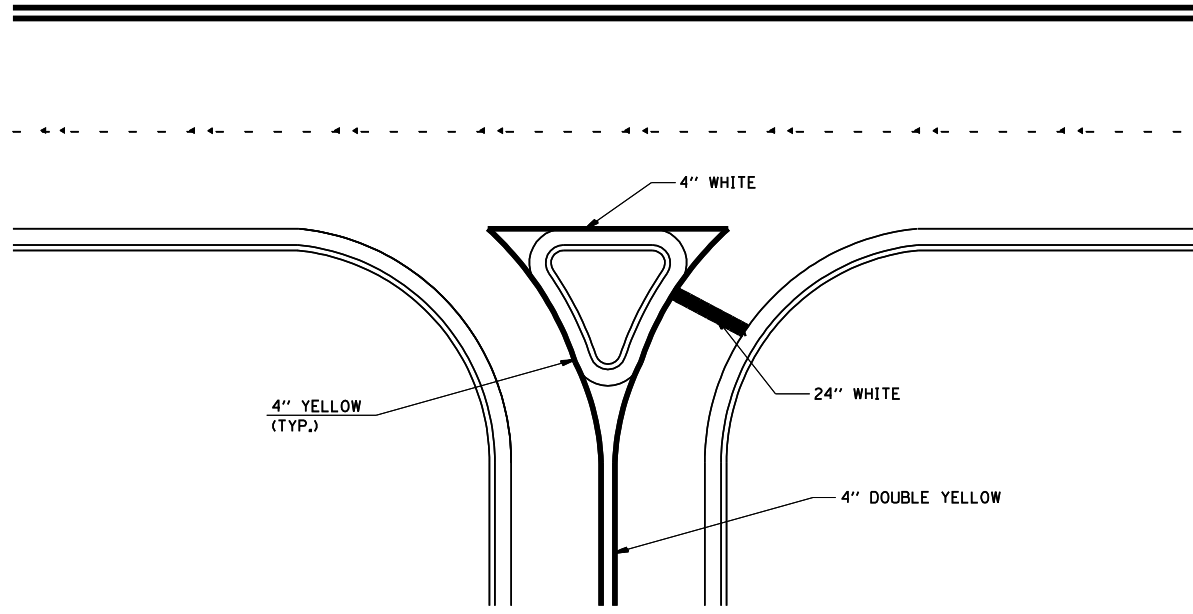
NOTES:

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

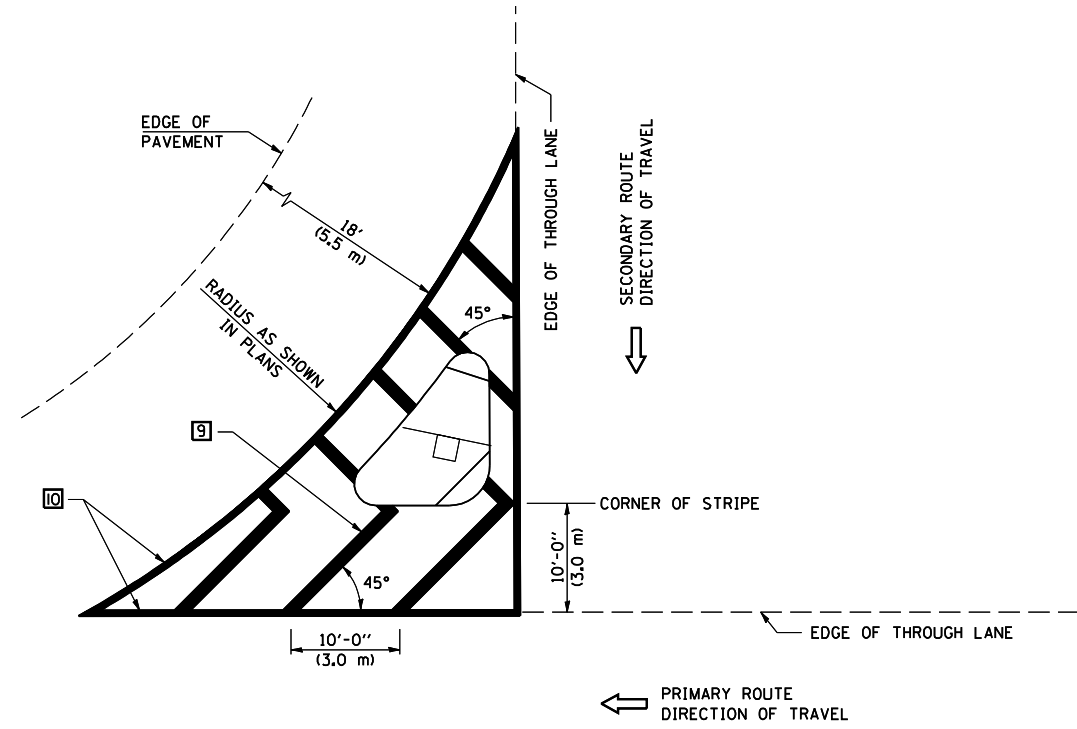
TYPICAL MEDIAN TRANSITIONS

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



ISLAND

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

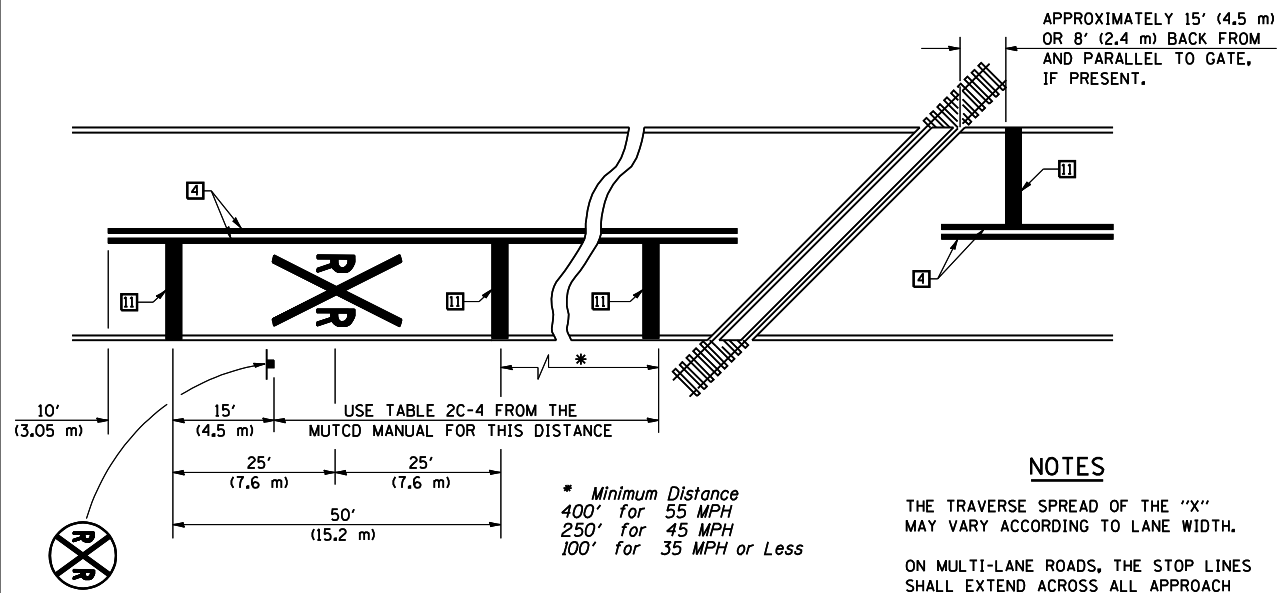
DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAIL F-5.25	TJB	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
			DISTRICT 5 DETAIL NO. 7800AAAA

PLOT DATE = 2/5/2007
FILE NAME = c:\projects\4594104\70399\det015.dgn
PLOT SCALE = 1/8"=1'-0" / IN.
USER NAME = philipj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	47RS-12	VERMILION	24	24

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



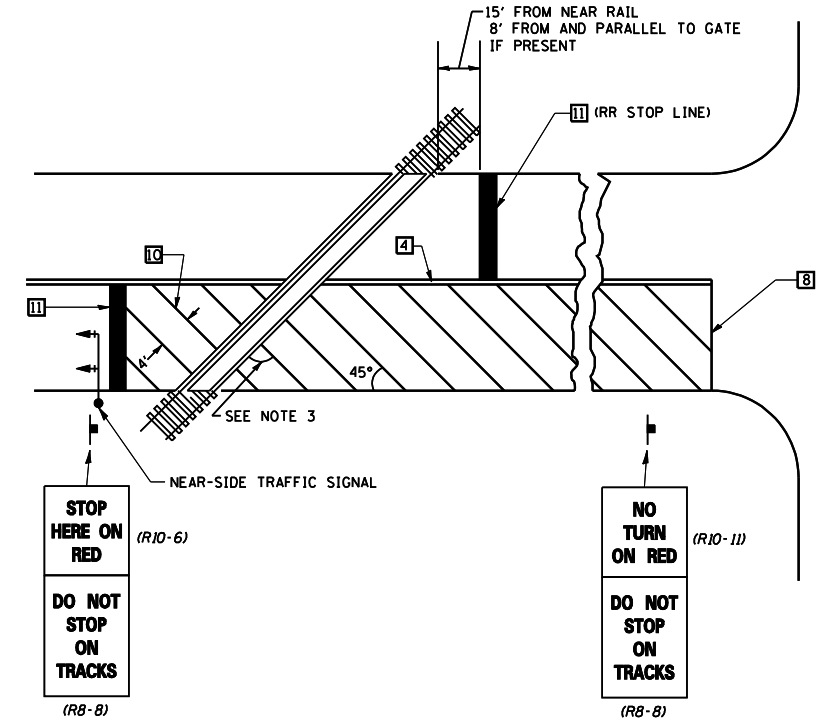
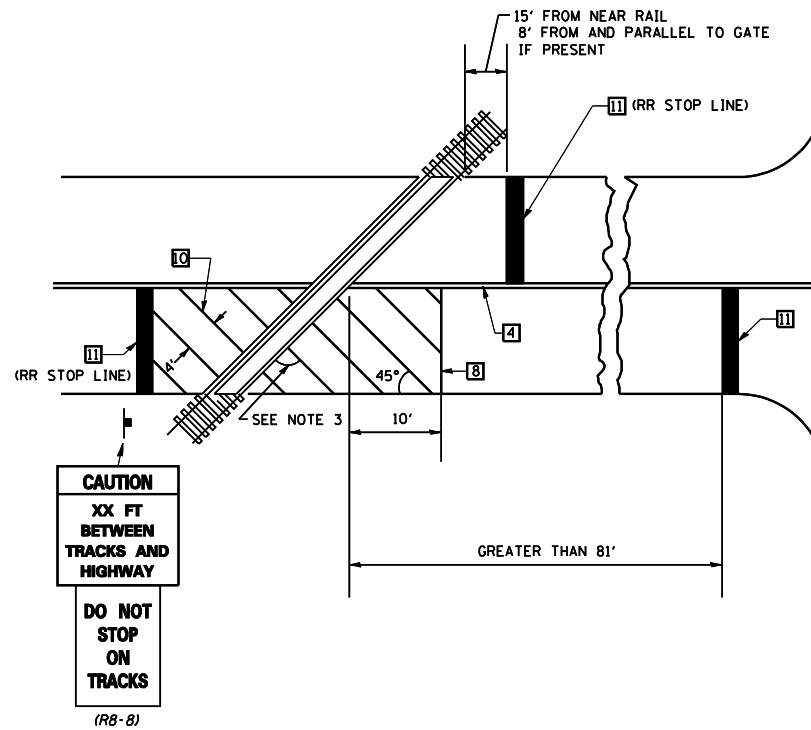
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

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 RXR 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.



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

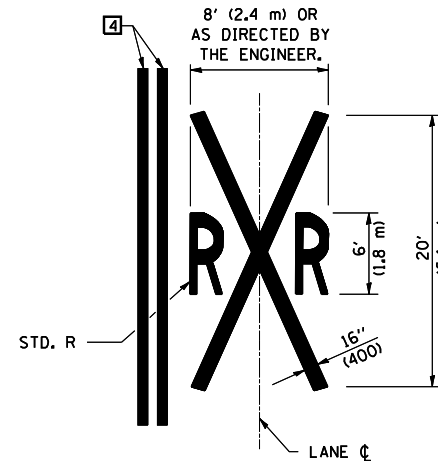
NOTES

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.



DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

DISTRICT 5 DETAIL NO. 7800AAAA