

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	1

• 21RS-4; 24RS-7

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

FAP ROUTE: 325 (IL 16)
SECTION 21RS-4; 24RS-7
PROJECT: F-0325(045)
MONTGOMERY COUNTY

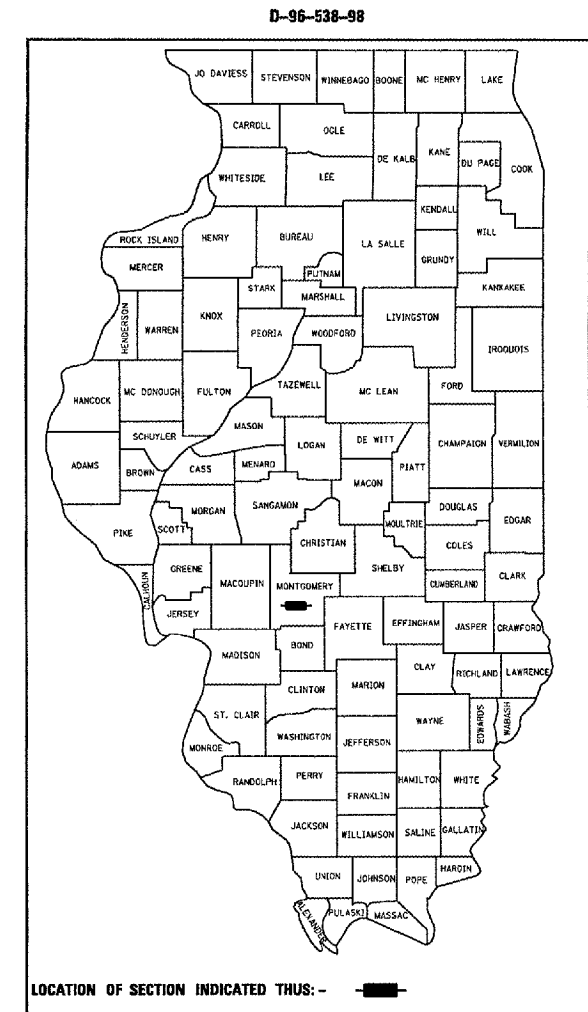
C-96-511-06

INDEX OF SHEETS

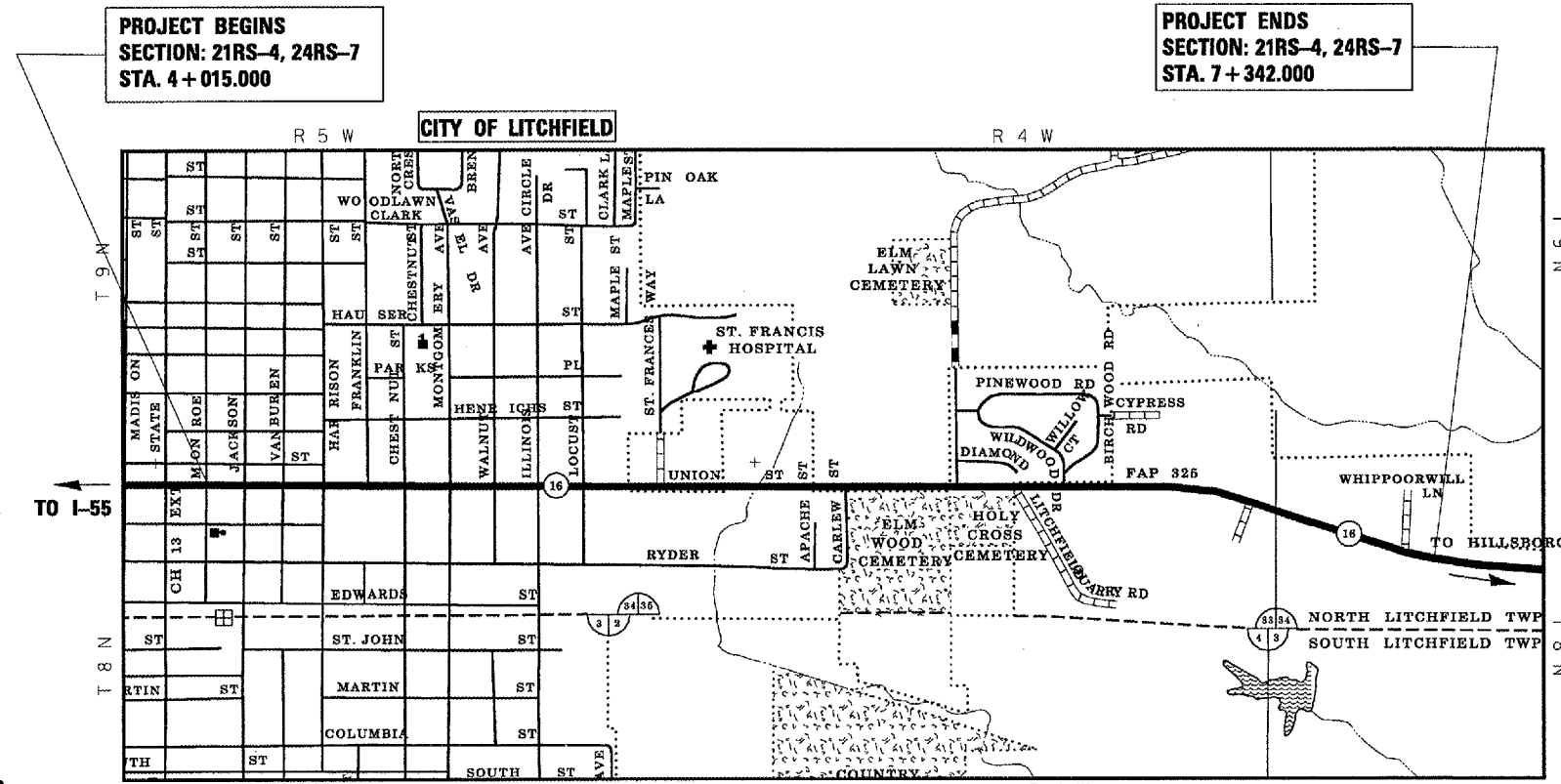
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LOCATION OF SECTION INDICATED THUS: -

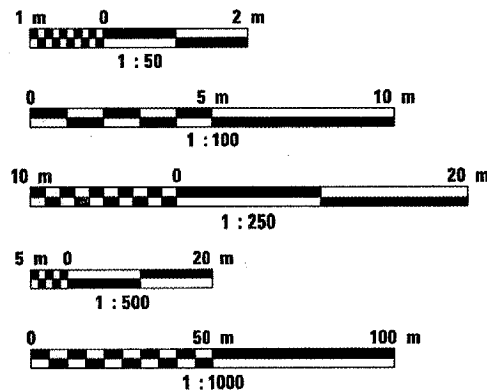


LAYOUT MAP

PROJECT BEGINS
SECTION: 21RS-4, 24RS-7
STA. 4 + 015.000

PROJECT ENDS
SECTION: 21RS-4, 24RS-7
STA. 7 + 342.000

METRIC RATIOS



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

AVERGAE DAILY TRAFFIC: 9900 (2001)
SU: 446
MU: 426

GROSS LENGHT OF PROJECT = 3327.000 M = 3.327 KM
NET LENGHT OF PROJECT = 3327.000 M = 3.327 KM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED Apr. 8, 2005
Christine M. Reed DISTRICT ENGINEER
May 13, 2005
Mike Stone ENGINEER OF DESIGN AND ENVIRONMENT
May 13, 2005
Victor Mader DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROJECT LEADER: JOHN NEANGARD (217) 782-8990
SR. SQUAD LEADER: MARK DUST (217) 785-0597

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

• 21RS-4; 24RS-7
CONTRACT NO. 72444

GENERAL NOTES

- ALL ELEVATIONS SHOWN IN THE PLANS ARE U.S.G.S. MEAN SEA LEVEL DATUM.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERRUPTED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN IN THE PLANS.
- BITUMINOUS SHOULDERS MAY NEED TO BE RACKED DOWN TO MATCH EXISTING PCC AND BITUMINOUS ENTRANCES SEE DETAIL SHEET.
- THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NORMAL THICKNESS. DEVIATIONS FROM THE NORMAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- EXISTING PAVEMENT DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS, AND NOT OTHER WISE NECESSARY TO REPLACE, SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINE IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCED NOTICE IS REQUIRED.
- THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARDS SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN TH COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE FOLLOWING APPLICATION RATES WERE USED FOR QUANTITY CALCULATIONS.

BITUMINOUS SHOULDERS	0.00244 Mton/sq m/mm
BITUMINOUS SURFACE COURSE, MIX D	0.00244 Mton/sq m/mm
AGGREGATE SHOULDERS	2.43 Mton/cu m
BITUMINOUS MATERIAL (PRIME COAT)	0.00041 Mton/sq m
AGGREGATE (PRIME COAT)	0.0022 Mton/sq m
SEEDING	10,000 sq m/Ha
NITROGEN	100 Kg/Hectare
PHOSPHOROUS	100 Kg/Hectare
POTASSIUM	100 Kg/Hectare
LIMESTONE	4.5 Mton/Hectare
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.

MIXTURE USE	Level Binder mm	Bituminous Concrete Surface	Bituminous Shoulders	Incidental Bituminous Surface
AC/PG	PG 64-22	SBS PG 70-22	PG 58-22	PG 64-22
RAP % (MAX)	15%	0%	15%	15%
DESIGN AIR VOIDS	4% @ N design = 70	4% @ N design = 70	2.0% @ N design = 30	4.0 @ N design = 50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 9.5 OR 12.5	BAM	IL 9.5 OR 12.5
FRICTION AGGREGATE	N/A	Mix "D"	N/A	Mix "C"
- NO ENTRANCE WORK IS PROPOSED IN THIS CONTRACT. BUTT JOINTS ARE TO BE COMPLETED AT THE EDGE OF THE PROPOSED BITUMINOUS SHOULDER.

COMMITMENTS

- ALL ENTRANCES SHALL REMAIN ACCESSIBLE, BOTH DURING AND AFTER CONSTRUCTION.
- THE FIELD/RESIDENT ENGINEER SHALL CONTACT STUDIES & PLANS CONCERNING ANY MAJOR PLAN CHANGES TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN AND ALLOW AN IMPROVED DESIGN FOR FUTURE PROJECTS.
- COLD MILLING MATERIAL SHALL BE SALVAGED. DISTRICT 6 MAINTENANCE SECTION SHOULD BE CONTACTED FOR STOCK-PILING THE MILLED MATERIAL AT THE LITCHFIELD YARD.

EXAMINED June 23 2004
W.P. Frey
PROGRAM IMPLEMENTATION ENGINEER

EXAMINED April 7 2004
William E. Martens
PROGRAM DEVELOPMENT ENGINEER

DISTRICT SIX

EXAMINED June 22 2004
Louis J. Hovari
OPERATIONS ENGINEER

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL NOTES & COMMITMENTS
NAME	DATE	
		DRAWN BY CHECKED BY DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	•	MONTGOMERY	39	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• 21RS-4; 24RS-7				

SUMMARY OF QUANTITIES		UNITS	TOTAL QUANTITY	URBAN CONSTR. CODE		
PAY CODE NUMBER	PAY ITEM DESCRIPTION			CITY ROADWAY I000 80% FED 20% STATE		
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	-	
* 56109210	WATER VALVES TO BE ADJUSTED	EACH	12	12	-	
60255500	MANHOLES TO BE ADJUSTED	EACH	19	19	-	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	-	
67100100	MOBILIZATION	L SUM	1	1	-	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	-	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	183	183	-	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	183	183	-	
M3580100	PREPARATION OF BASE	SQ M	200	200	-	
M3580200	AGGREGATE BASE REPAIR	M TON	10	10	-	
M4060200	BITUMINOUS MATERIALS (PRIME COAT)	M TON	17.0	17.0	-	
M4060300	AGGREGATE (PRIME COAT)	M TON	92	92	-	
M4060085	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ M	343	343	-	
M4060980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ M	3,008	3,008	-	
M4060990	TEMPORARY RAMP	SQ M	728	728	-	

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SECTION : 24RS-4; 27RS-7
MONTGOMERY COUNTY

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 4/7/2005
 FILE NAME = c:\p\pca\pca\d559818\Ba\A.e.dgn
 USER NAME = bny

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	•	MONTGOMERY	39	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• 21RS-4; 24RS-7				

SUMMARY OF QUANTITIES		UNITS	TOTAL QUANTITY	URBAN	
PAY CODE NUMBER	PAY ITEM DESCRIPTION			CONSTR. CODE	
				CITY ROADWAY 1000 80% FED 20% STATE	
M4080200	BITUMINOUS MATERIALS (PRIME COAT)	M TON	1.3	1.3	-
M4080300	AGGREGATE (PRIME COAT)	M TON	7	7	-
M4400040	BITUMINOUS SURFACE REMOVAL, 40MM	SQ M	15,772	15,772	-
M4400060	BITUMINOUS SURFACE REMOVAL, 60MM	SQ M	12,176	12,176	-
M4401000	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ M	13,389	13,389	-
M4422375	PAVEMENT PATCHING, TYPE II 375MM	SQ M	210	210	-
M4423375	PAVEMENT PATCHING, TYPE III 375MM	SQ M	65	65	-
M4822000	BITUMINOUS SHOULDERS SUPERPAVE	M TON	1,535	1,535	-
M7030100	SHORT-TERM PAVEMENT MARKING	METER	1,118	1,118	-
M7030230	TEMPORARY PAVEMENT MARKING - LINE 125MM	METER	8,708	8,708	-
M7031000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ M	50.7	50.7	-
* M7800110	THERMOPLASTIC PAVEMENT MARKING - LINE 125MM	METER	8,708	8,708	-
* M7800115	THERMOPLASTIC PAVEMENT MARKING - LINE 150MM	METER	114	114	-
M7800400	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ M	5.9	5.9	-
M7800425	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 300MM	METER	125	125	-

*SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
SECTION : 24RS-4; 27RS-7
MONTGOMERY COUNTY

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 4/7/2005
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 PLOT SCALE = 1/4" = 1'-0"
 USER NAME = bny

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• 21RS-4; 24RS-7				

RESURFACING

LOCATION	LENGTH	WIDTH	PR BIT SURF CSE AREA	AVERAGE THICKNESS	BITUMINOUS SURF. REM. (VAR. DEPTH)	BITUMINOUS SURF. REM. 40MM	BITUMINOUS SURF. REM. 60MM	BITUMINOUS SURF. REM. BUTT JOINT	TEMPORARY RAMPS	BIT MATLS (PRIME COAT) M4060200	AGGREGATE (PRIME COAT) M4060300	LEVEL. BIND. SUPER (19MM) N70	POLY BIT SURF SUPER MIX D N70 (38MM)
	METER	METER	SQ M	MM	SQ M	SQ M	SQ M	SQ M	SQ M	M TON	M TON	M TON	M TON
STA 4+015.000 TO STA 4+024.120 (RAMP)	9.120	11.14	101.60	38 TO 57	50.80	-	-	50.80	16.93	0.042	0.22	-	10.60
STA 4+024.120 TO STA 4+040.364	16.244	11.14	180.96	57	180.96	-	-	-	-	0.074	0.40	8.39	16.78
STA 4+040.364 TO STA 4+914.000	873.636	7.32	6395.02	57	6,395.02	-	-	-	-	2.622	14.07	296.47	592.95
STA 4+914.000 TO STA 4+923.140 (RAMP)	9.140	7.32	66.90	57	66.90	-	-	-	-	0.027	0.15	3.10	6.20
STA 4+923.140 TO STA 5+032.617	109.477	7.32	801.37	57	-	-	801.37	-	-	0.329	1.76	37.15	74.30
STA 5+032.617 TO STA 5+037.177 (RAMP)	4.560	7.32	33.38	57 TO 38	33.38	-	-	-	-	0.014	0.07	-	7.74
STA 5+037.177 TO STA 5+109.177	72.000	7.32 TO 10.80	652.32	38	-	652.32	-	-	-	0.267	1.44	-	60.48
STA 5+109.177 TO STA 5+224.974	115.797	10.80	1250.61	38	-	1,250.61	-	-	-	0.513	2.75	-	115.96
STA 5+224.974 TO STA 5+314.974	90.000	10.80 TO 7.32	815.40	38	-	815.40	-	-	-	0.334	1.79	-	75.60
STA 5+314.974 TO STA 5+319.534 (RAMP)	4.560	7.32	33.38	38 TO 57	33.38	-	-	-	-	0.014	0.07	-	3.87
STA 5+319.534 TO STA 6+005.500	685.966	7.32	5021.27	57	-	-	5,021.27	-	-	2.059	11.05	232.79	465.57
STA 6+005.500 TO STA 6+065.500	60.000	7.32 TO 10.98	549.00	57	-	-	549.00	-	-	0.225	1.21	25.45	50.90
STA 6+065.500 TO STA 6+180.000	114.500	10.98	1257.21	57	-	-	1,257.21	-	-	0.515	2.77	58.28	116.57
STA 6+180.000 TO STA 6+485.928	305.928	7.32	2239.39	57	-	-	2,239.39	-	-	0.918	4.93	103.82	207.64
STA 6+485.928 TO STA 6+758.035 (SE CORRECTION)	272.107	7.32	1991.82	57	1,991.82	-	-	-	-	0.817	4.38	92.34	184.68
STA 6+758.035 TO STA 7+039.050	281.015	7.32	2057.03	57	-	-	2,057.03	-	-	0.843	4.53	95.36	190.73
STA 7+039.050 TO STA 7+303.267 (SE CORRECTION)	264.217	7.32	1934.07	57	1,934.07	-	-	-	-	0.793	4.25	89.66	179.33
STA 7+303.267 TO STA 7+337.440	34.173	7.32	250.15	57	-	-	250.15	-	-	0.103	0.55	11.60	23.19
STA 7+337.440 TO STA 7+342.000 (RAMP)	4.560	7.32	33.38	57	-	-	-	33.38	11.13	0.014	0.07	-	3.87
BITUMINOUS SHOULDER AREAS (SEE SEPARATE SCHEDULE)					2,701.78	13,053.59	-	127.37	-	6.507	34.92	-	-
SIDEROAD AREAS (SEE SEPARATE SCHEDULE)					-	-	-	2,795.54	699.20	-	-	-	-
TOTAL =					13,388.1	15,771.9	12,175.4	3,007.1	727.3	17.0	91.4	1,054.4	2,387.0

ESTIMATED QUANTITIES

ITEMS	UNIT	SUB-TOTAL CITY
THE FOLLOWING ITEMS INCLUDE ESTIMATED QUANTITIES FOR PAVEMENT PATCHING		
PAVEMENT PATCHING, TYPE II, 375MM	SQ M	210
PAVEMENT PATCHING, TYPE III, 375MM	SQ M	65
CONC. CURB REPAIR	METER	150
BITUMINOUS SHOULDER REM. AND REPL. (SPECIAL)	SQ M	50

MANHOLES TO BE ADJUSTED

LOCATION STA.	QUANTITY (EACH)
4+040	1
4+045 (LT)	1
4+143 (RT)	1
4+145 (LT)	1
4+149 (LT)	1
4+340 (RT)	1
4+343 (LT)	1
4+345 (LT)	1
4+460 (LT)	1
4+551	1
4+553 (LT)	1
4+555 (RT)	1
4+559 (LT)	1
4+677 (LT)	2
4+787 (LT)	1
5+027 (RT)	1
5+245 (RT)	1
5+708 (RT) Shoulder	1
TOTAL =	19

WATER VALVES TO BE ADJUSTED

LOCATION STA.	QUANTITY (EACH)
STA. 4+240 LT	1
STA. 4+706 LT (WM)	1
STA. 4+909 LT	1
STA. 5+019 RT<	3
STA. 5+201 RT	1
STA. 5+205 LT	1
STA. 5+206 RT	1
STA. 5+686 RT	1
STA. 5+684 LT	1
STA. 6+234 LT	1
TOTAL =	12

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULES
SECTION : 24RS-4; 27RS-7
MONTGOMERY COUNTY
 SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

PLDT DATE = 4/7/2006
 FILE NAME = c:\pvs\pvs\1853818\aschedule.dgn
 USER NAME = BBL437 m / JN.
 USER NAME = Bony

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 21RS-4; 24RS-7				

BITUMINOUS SHOULDERS

LOCATION	LENGTH	BIT WIDTH	PR BIT SURF CSE AREA	AVERAGE THICKNESS	BITUMINOUS SURF. REM. (VAR. DEPTH)	BITUMINOUS SURF. REM. 40MM	BITUMINOUS SURF. REM. BUTT JOINT	BIT MATLS (PRIME COAT) M4060200	AGGREGATE (PRIME COAT) M4060300	BITUMINOUS SHOULDERS SUPER (VD)	BITUMINOUS SHOULDERS SUPER (38MM)
	METER	METER	SO M	MM	SO M	SO M	SO M	M TON	M TON	M TON	M TON
LT STA 4+015.000 TO LT STA 4+024.120 (RAMP)	9.12	2.44	22.3	57 TO 38	11.13	-	11.13	0.01	0.05	2.58	-
LT STA 4+024.120 TO LT STA 4+029.659	5.54	2.44	13.5	57 TO 38	13.52	-	-	0.01	0.03	1.57	-
LT STA 4+050.744 TO LT STA 4+130.654	79.91	1.83	146.2	57 TO 38	146.24	-	-	0.06	0.32	16.95	-
LT STA 4+147.287 TO LT STA 4+229.036	81.75	1.83	149.6	57 TO 38	149.60	-	-	0.06	0.33	17.34	-
LT STA 4+247.729 TO LT STA 4+329.632	81.90	1.83	149.9	57 TO 38	149.88	-	-	0.06	0.33	17.37	-
LT STA 4+353.269 TO LT STA 4+443.792	90.52	1.83	165.7	57 TO 38	165.66	-	-	0.07	0.36	19.20	-
LT STA 4+465.614 TO LT STA 4+537.603	71.99	1.83	131.7	57 TO 38	131.74	-	-	0.05	0.29	15.27	-
LT STA 4+564.984 TO LT STA 4+659.796	94.81	1.83	173.5	57 TO 38	173.51	-	-	0.07	0.38	20.11	-
LT STA 4+676.471 TO LT STA 4+774.829	98.36	1.83	180.0	57 TO 38	180.00	-	-	0.07	0.40	20.86	-
LT STA 4+793.373 TO LT STA 4+889.430	96.06	1.83	175.8	57 TO 38	175.78	-	-	0.07	0.39	20.37	-
LT STA 4+911.252 TO LT STA 4+914.000	2.75	3.05	8.4	57 TO 38	8.38	-	-	0.00	0.02	0.97	-
LT STA 4+914.000 TO LT STA 4+923.120 (RAMP)	9.12	3.05	27.8	57 TO 38	27.82	-	-	0.01	0.06	3.22	-
LT STA 4+923.120 TO LT STA 5+004.709	81.59	3.05	248.8	38	-	248.85	-	0.10	0.55	-	23.07
LT STA 5+027.888 TO LT STA 5+032.617	4.73	3.05	14.4	38	-	14.42	-	0.01	0.03	-	1.34
LT STA 5+032.617 TO LT STA 5+037.177 (RAMP)	4.56	3.05	13.9	38	-	13.91	-	0.01	0.03	-	1.29
LT STA 5+037.177 TO LT STA 5+109.177	72.00	3.05 TO 1.20	153.0	38	-	153.00	-	0.06	0.34	-	14.19
LT STA 5+109.177 TO LT STA 5+184.620	75.44	1.20	90.5	38	-	90.53	-	0.04	0.20	-	8.39
LT STA 5+228.417 TO LT STA 5+242.977	14.56	1.20	17.5	38	-	17.47	-	0.01	0.04	-	1.62
LT STA 5+242.977 TO LT STA 5+314.974	72.00	1.20 TO 3.05	153.0	38	-	152.99	-	0.06	0.34	-	14.19
LT STA 5+314.974 TO LT STA 5+319.534 (RAMP)	4.56	3.05	13.9	38	-	13.91	-	0.01	0.03	-	1.29
LT STA 5+319.534 TO LT STA 5+962.362	642.83	3.05	1960.6	38	-	1,960.63	-	0.80	4.31	-	101.79
LT STA 5+993.171 TO LT STA 6+235.142	241.97	3.05	738.0	38	-	738.01	-	0.30	1.62	-	68.43
LT STA 6+260.938 TO LT STA 6+485.928	224.99	3.05	686.2	38	-	686.22	-	0.28	1.51	-	63.63
LT STA 6+485.928 TO LT STA 6+758.035 (SE CORRECTION)	272.11	3.05	829.9	38	-	829.93	-	0.34	1.83	-	76.95
LT STA 6+758.035 TO LT STA 7+061.010	302.98	3.05	924.1	38	-	924.07	-	0.38	2.03	-	85.68
LT STA 7+061.010 TO LT STA 7+218.881 (SE CORRECTION)	157.87	3.05	481.5	38	-	481.51	-	0.20	1.06	-	44.65
LT STA 7+246.478 TO LT STA 7+281.307 (SE CORRECTION)	34.83	3.05	106.2	38	-	106.23	-	0.04	0.23	-	9.85
LT STA 7+281.307 TO LT STA 7+337.440	56.13	3.05	171.2	38	-	171.21	-	0.07	0.38	-	15.87
LT STA 7+337.440 TO LT STA 7+342.000 (RAMP)	4.56	3.05	13.9	38	-	-	13.91	0.01	0.03	-	1.29

PLOT DATE = 4/7/2005
 FILE NAME = c:\prowork\4055818\vehw\vehw.dgn
 USER NAME = ba

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES

SECTION : 24RS-4; 27RS-7

MONTGOMERY COUNTY

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	•	MONTGOMERY	39	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• 21RS-4; 24RS-7				

BITUMINOUS SHOULDERS

LOCATION	LENGTH	BIT WIDTH	PR BIT SURF CSE AREA	AVERAGE THICKNESS	BITUMINOUS SURF. REM. (VAR. DEPTH)	BITUMINOUS SURF. REM. 40MM	BITUMINOUS SURF. REM. BUTT JOINT	BIT MATLS (PRIME COAT) M4060200	AGGREGATE (PRIME COAT) M4060300	BITUMINOUS SHOULDERS SUPER (VD)	BITUMINOUS SHOULDERS SUPER (38MM)
	METER	METER	SO M	MM	SO M	SO M	SO M	M TON	M TON	M TON	M TON
RT STA 4+015.000 TO RT STA 4+024.120 (RAMP)	9.12	2.44	22.3	57 TO 38	22.25	-	11.13	0.01	0.05	2.58	-
RT STA 4+053.061 TO RT STA 4+130.969	77.91	1.83	142.6	57 TO 38	142.57	-	-	0.06	0.31	16.52	-
RT STA 4+147.966 TO RT STA 4+228.898	80.93	1.83	148.1	57 TO 38	148.11	-	-	0.06	0.33	17.17	-
RT STA 4+248.165 TO RT STA 4+328.486	80.32	1.83	147.0	57 TO 38	146.99	-	-	0.06	0.32	17.04	-
RT STA 4+348.823 TO RT STA 4+542.142	193.32	1.83	353.8	57 TO 38	353.77	-	-	0.15	0.78	41.00	-
RT STA 4+561.370 TO RT STA 4+658.092	96.72	1.83	177.0	57 TO 38	177.00	-	-	0.07	0.39	20.51	-
RT STA 4+677.787 TO RT STA 4+775.326	97.54	1.83	178.5	57 TO 38	178.50	-	-	0.07	0.39	20.69	-
RT STA 4+792.961 TO RT STA 4+886.695	93.73	1.83	171.5	57 TO 38	171.53	-	-	0.07	0.38	19.88	-
RT STA 4+914.000 TO RT STA 4+923.120 (RAMP)	9.12	3.05	27.8	57 TO 38	27.82	-	-	0.01	0.06	3.22	-
RT STA 4+923.120 TO RT STA 5+002.089	78.97	3.05	240.9	38	-	240.86	-	0.10	0.53	-	22.33
RT STA 5+027.997 TO RT STA 5+032.617	4.62	3.05	14.1	38	-	14.09	-	0.01	0.03	-	1.31
RT STA 5+032.617 TO RT STA 5+037.177 (RAMP)	4.56	3.05	13.9	38	-	13.91	-	0.01	0.03	-	1.29
RT STA 5+037.177 TO RT STA 5+109.177	72.00	3.05 TO 1.20	153.0	38	-	153.00	-	0.06	0.34	-	14.19
RT STA 5+109.177 TO LT STA 5+242.974	133.80	1.20	160.6	38	-	160.56	-	0.07	0.35	-	14.89
RT STA 5+242.974 TO RT STA 5+314.974	72.00	1.20 TO 3.05	153.0	38	-	153.00	-	0.06	0.34	-	14.19
RT STA 5+314.974 TO RT STA 5+319.534 (RAMP)	4.56	3.05	13.9	38	-	13.91	-	0.01	0.03	-	1.29
RT STA 5+319.534 TO RT STA 5+665.395	345.86	3.05	1054.9	38	-	1,054.88	-	0.43	2.32	-	97.81
RT STA 5+691.845 TO RT STA 6+005.500	313.66	3.05	956.6	38	-	956.65	-	0.39	2.10	-	88.70
RT STA 6+005.500 TO RT STA 6+065.500	60.00	3.05 TO 1.20	127.5	38	-	127.50	-	0.05	0.28	-	11.82
RT STA 6+065.500 TO RT STA 6+129.000 (RT TURN LANE)	63.50	1.20	76.2	38	-	76.20	-	0.03	0.17	-	7.07
LAND FILL ROAD (LT & RT SHLDS)	64.42	1.20	77.3	38	-	-	77.30	0.03	0.17	-	7.17
RT STA 6+170.210 TO RT STA 6+507.888	337.68	3.05	1029.9	38	-	1,029.92	-	0.42	2.27	-	95.49
RT STA 6+507.888 TO RT STA 6+726.384 (SE CORRECTION)	218.50	3.05	666.4	38	-	666.41	-	0.27	1.47	-	61.79
RT STA 6+750.609 TO RT STA 7+039.050	288.44	3.05	879.7	38	-	879.75	-	0.36	1.94	-	81.57
RT STA 7+039.050 TO RT STA 7+303.267 (SE CORRECTION)	264.22	3.05	805.9	38	-	805.86	-	0.33	1.77	-	74.72
RT STA 7+303.267 TO RT STA 7+337.440	34.17	3.05	104.2	38	-	104.23	-	0.04	0.23	-	9.66
RT STA 7+337.440 TO RT STA 7+342.000 (RAMP)	4.56	3.05	13.9	38	-	-	13.91	0.01	0.03	-	1.29
TOTAL =					2,701.8	13,053.6	127.4	6.5	34.9		1,534.5

NOTE: SHOULDERS SHALL NOT CONTINUE THROUGH SIDE ROADS.

PLOT DATE = 4/7/2005
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 USER NAME = bobj

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULES
SECTION : 24RS-4; 27RS-7
MONTGOMERY COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

• 21RS-4; 24RS-7

SIDE ROAD SCHEDULE

LOCATION	EX MATERIAL TYPE	BIT RESURF AREA	PR BIT CONC. THICKNESS	PREPARATION OF BASE	AGGREGATE BASE REPAIR	BIT SURF REM-BUTT JOINT	PCC SURF REM-BUTT JOINT	TEMPORARY RAMP	BIT MATLS (PRIME COAT) M4080200	AGGREGATE (PRIME COAT) M4080300	INCIDENTAL BIT. SURF.
STATION	(AGG. / BIT. / PCC.)	(SQ M)	(MM)	(SQ M)	(TON)	(SQ. YD)	(SQ. YD)	(SQ. YD)	(TON)	(TON)	(TON)
LT STA 4+040.364 (MONROE STREET)	BIT	93.582	57 TO 38	-	-	93.58	-	30.40	0.038	0.21	10.28
RT STA 4+040.364 (MONROE STREET)	BIT	202.089	57 TO 38	-	-	202.09	-	30.40	0.083	0.44	22.19
LT STA 4+139.329 (JACKSON STREET)	BIT	62.544	57 TO 38	-	-	62.54	-	30.40	0.026	0.14	6.87
RT STA 4+139.329 (JACKSON STREET)	BIT	64.396	57 TO 38	-	-	64.40	-	30.40	0.026	0.14	7.07
LT STA 4+238.893 (VANBUREN STREET)	BIT	73.625	57 TO 38	-	-	73.63	-	30.40	0.030	0.16	8.08
RT STA 4+238.893 (VANBUREN STREET)	BIT	76.478	57 TO 38	-	-	76.48	-	30.40	0.031	0.17	8.40
LT STA 4+339.569 (HARRISON STREET)	BIT	110.077	57 TO 38	-	-	110.08	-	30.40	0.045	0.24	12.09
RT STA 4+339.569 (HARRISON STREET)	BIT	94.327	57 TO 38	-	-	94.33	-	30.40	0.039	0.21	10.36
LT STA 4+454.156 (FRANKLIN STREET)	BIT	119.137	57 TO 38	-	-	119.14	-	30.40	0.049	0.26	13.08
LT STA 4+554.614 (CHESTNUT STREET)	BIT	140.552	57 TO 38	-	-	140.55	-	30.40	0.058	0.31	15.43
RT STA 4+554.614 (CHESTNUT STREET)	BIT	101.789	57 TO 38	-	-	101.79	-	30.40	0.042	0.22	11.18
LT STA 4+668.596 (MONTGOMERY STREET)	BIT	91.416	57 TO 38	-	-	91.42	-	30.40	0.037	0.20	10.04
RT STA 4+668.596 (MONTGOMERY STREET)	BIT	99.771	57 TO 38	-	-	99.77	-	30.40	0.041	0.22	10.95
LT STA 4+783.988 (WALNUT STREET)	BIT	100.091	57 TO 38	-	-	100.09	-	30.40	0.041	0.22	10.99
RT STA 4+783.988 (WALNUT STREET)	BIT	96.838	57 TO 38	-	-	96.84	-	30.40	0.040	0.21	10.63
LT STA 4+900.146 (ILLINOIS STREET)	BIT	143.058	57 TO 38	-	-	143.06	-	30.40	0.059	0.31	15.71
RT STA 4+900.146 (ILLINOIS STREET)	BIT	179.058	57 TO 38	-	-	179.06	-	30.40	0.073	0.39	19.66
LT STA 5+016.319 (LOCUST STREET)	BIT	109.694	38	-	-	109.69	-	30.40	0.045	0.24	12.04
RT STA 5+016.319 (LOCUST STREET)	BIT	135.099	38	-	-	135.10	-	30.40	0.055	0.30	14.83
RT STA 5+680.054 (CORLEW STREET)	BIT	138.570	38	-	-	138.57	-	30.40	0.057	0.30	15.21
LT STA 5+970.041 (LAKE YEAGER ROAD)	BIT	175.934	38	-	-	175.93	-	30.40	0.072	0.39	19.32
RT STA 6+150.467 (LANDFILL ROAD)	PCC	342.386	38	-	-	-	342.39	30.40	0.140	0.75	37.59
LT STA 6+249.679 (BIRCHWOOD ROAD)	O&C	161.101	38	100.00	5	161.10	-	-	0.066	0.35	17.69
RT STA 6+738.340 (HOWARD STREET)	BIT	124.212	38	-	-	124.21	-	30.40	0.051	0.27	13.64
LT STA 7+231.964 (LES LANE)	AGG	102.099	38	100.00	5	102.10	-	-	0.042	0.22	11.21
TOTAL =				200.0	10.0	2,795.5	342.4	699.2	1.29	6.	344.5

PAVEMENT MARKING SCHEDULE

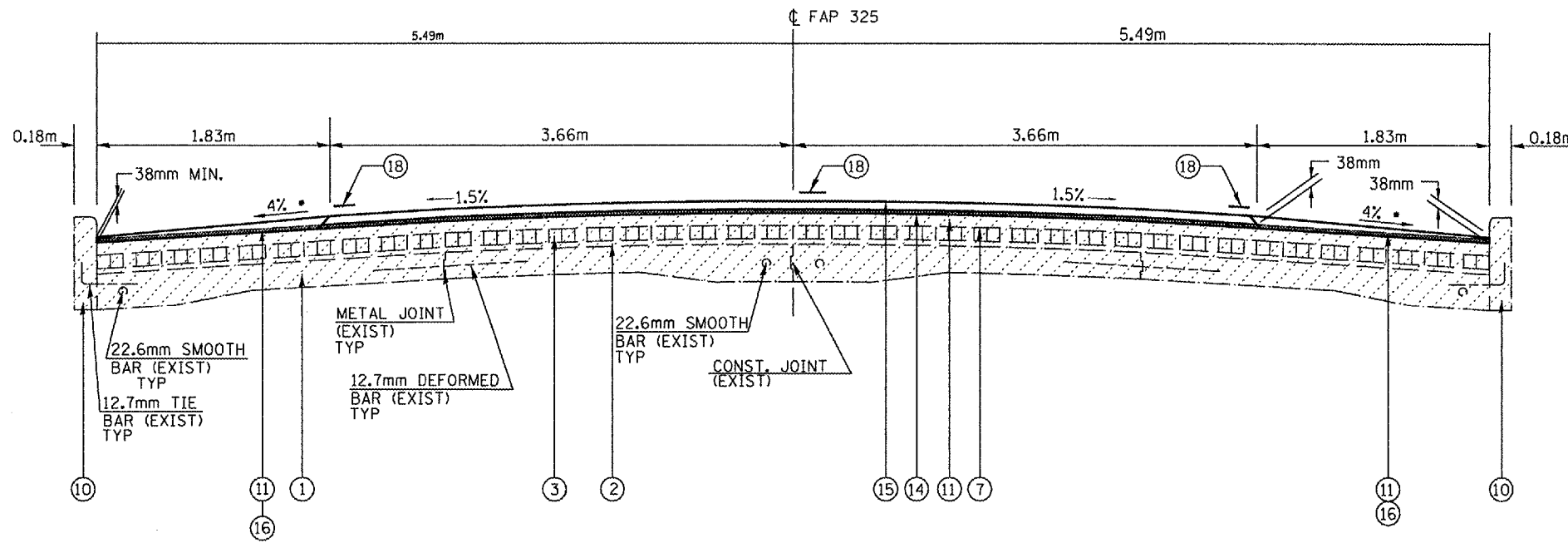
LOCATION (STATION TO STATION)	SHORT-TERM PAVT MK	WORK ZONE PAVT MK REMOVAL	THERMOPL. PAVT MK LINE 125MM	THERMOPL. PAVT MK LINE 150MM	PREF. PL. PAVT MK, T-B LINE 300MM	PREF. PL. PAVT MK, T-B LINE 600MM	PREF. PL. PAVT MK, T-B L&S	RAISED PVT MARKER REMOVAL	RAISED PVT MARKER
	METER	SO M	METER	METER	METER	METER	SQ M	EACH	EACH
STA 4+015.000 TO STA 4+914.000	270	11.3	2,023	-	-	-	-	3	38
STA 4+914.000 TO STA 5+037.177	3	1.	493	-	-	-	-	1	10
STA 5+037.177 TO STA 5+314.974	184	11.5	1,455	5	125	1	2.94	4	42
STA 5+314.974 TO STA 5+415.000	3	1.	400	-	-	-	-	-	8
STA 5+415.000 TO STA 5+065.500	195	8.	1,464	-	-	-	-	2	27
STA 6+065.500 TO STA 6+129.000	3	1.	143	6	-	-	2.94	-	8
STA 6+129.000 TO STA 7+342.000	364	15.2	2,730	-	-	-	-	5	50
TOTAL =	1,118	50.7	8,708	114	125	1	5.	183	183

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULES
SECTION : 24RS-4; 27RS-7
MONTGOMERY COUNTY

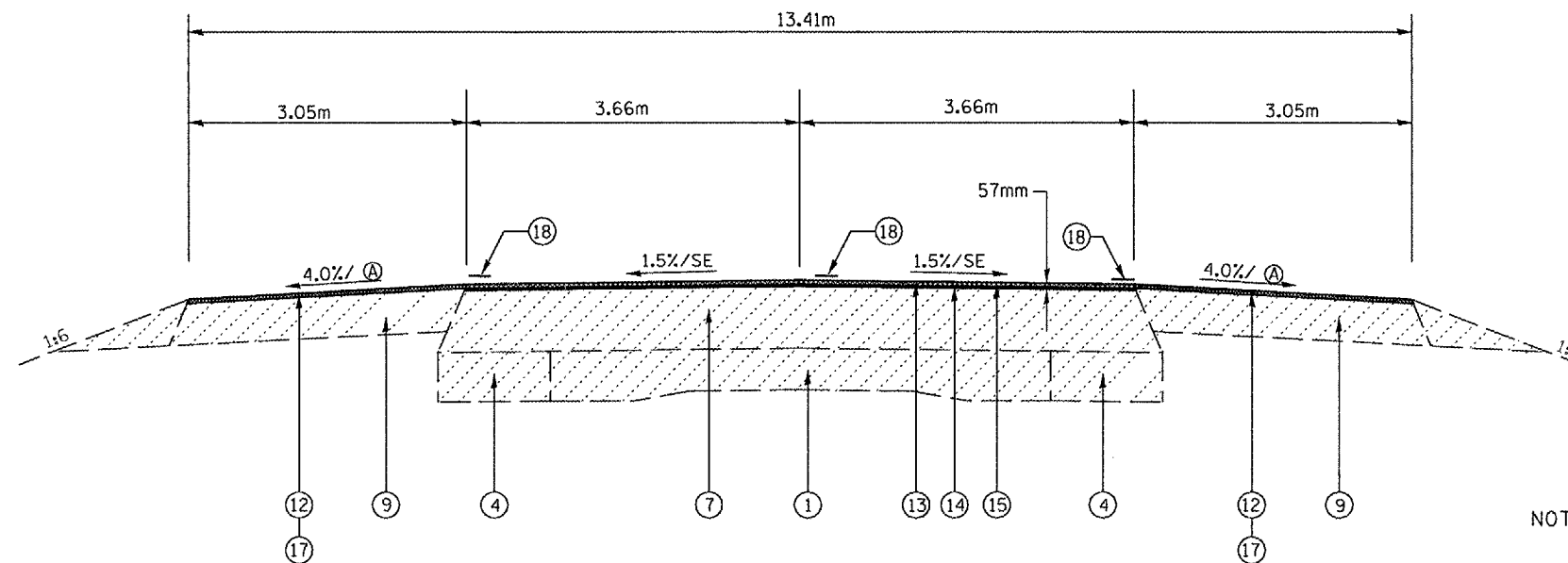
SCALE: VERT. HORIZ.
 DATE: DRAWN BY: CHECKED BY:

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	10
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
• 21RS-4; 24RS-7 CONTRACT NO. 72444				



STA 4+015.000 to STA 4+900.000

NOTE: • PROPOSED SHOULDER CROSS - SLOPE AS DIRECTED BY ENGINEER (4.0% IS IDEAL)



STA 4+900.000 TO STA 5+037.177
 STA 5+314.974 TO STA 6+485.928
 STA 6+485.928 TO STA 6+533.508 - SE TRANS
 STA 6+533.508 TO STA 6+710.455 - EX & PR SE = 5.00%
 STA 6+710.455 TO STA 6+758.035 - SE TRANS
 STA 6+758.035 TO STA 7+039.050
 STA 7+039.050 TO STA 7+079.310 - SE TRANS
 STA 7+079.310 TO STA 7+263.000 - EX & PR SE = 4.00%
 STA 7+263.000 TO STA 7+303.267 - SE TRANS
 STA 7+303.267 TO STA 7+342.000

LEGEND

- ① EX PCC PAVEMENT (203MM - 152MM - 203MM)
- ② EX MASTIC CUSHION - 25MM
- ③ EX BRICK PAVEMENT - 64MM
- ④ EX PCC WIDENING - 203MM
- ⑤ EX SUB-BASE GRANULAR MATERIAL - 100MM
- ⑥ EX BITUMINOUS BASE COURSE - 200MM
- ⑦ EX BITUMINOUS SURFACE -
 STA 4+025.000 TO STA 4+900.000 - ± 90MM
 STA 4+900.000 TO STA 5+037.177 - ± 175MM
 STA 5+037.177 TO STA 5+314.974 - ± 225MM
 STA 5+314.974 TO STA 7+327.836 - ± 175MM
- ⑧ EX BITUMINOUS SURFACE - 63MM
- ⑨ EX BITUMINOUS SHOULDER - 254MM
- ⑩ EX CONCRETE CURB
- ⑪ PR BITUMINOUS SURFACE REMOVAL, VARIABLE DEPTH
- ⑫ PR BITUMINOUS SURFACE REMOVAL, 40MM
- ⑬ PR BITUMINOUS SURFACE REMOVAL, 60MM
- ⑭ PR LEVELING BINDER (MACHINE METHOD), 19MM
- ⑮ PR POLYMER BITUMINOUS CONCRETE SURFACE COURSE, MIX "D", N70, 38MM
- ⑯ PR BITUMINOUS SHOULDERS, SUPERPAVE, VARIABLE DEPTH (57MM TO 38MM)
- ⑰ PR BITUMINOUS SHOULDERS, SUPERPAVE, 38MM
- ⑱ PR THERMOPLASTIC PAVEMENT PARKING, LINE - 125MM

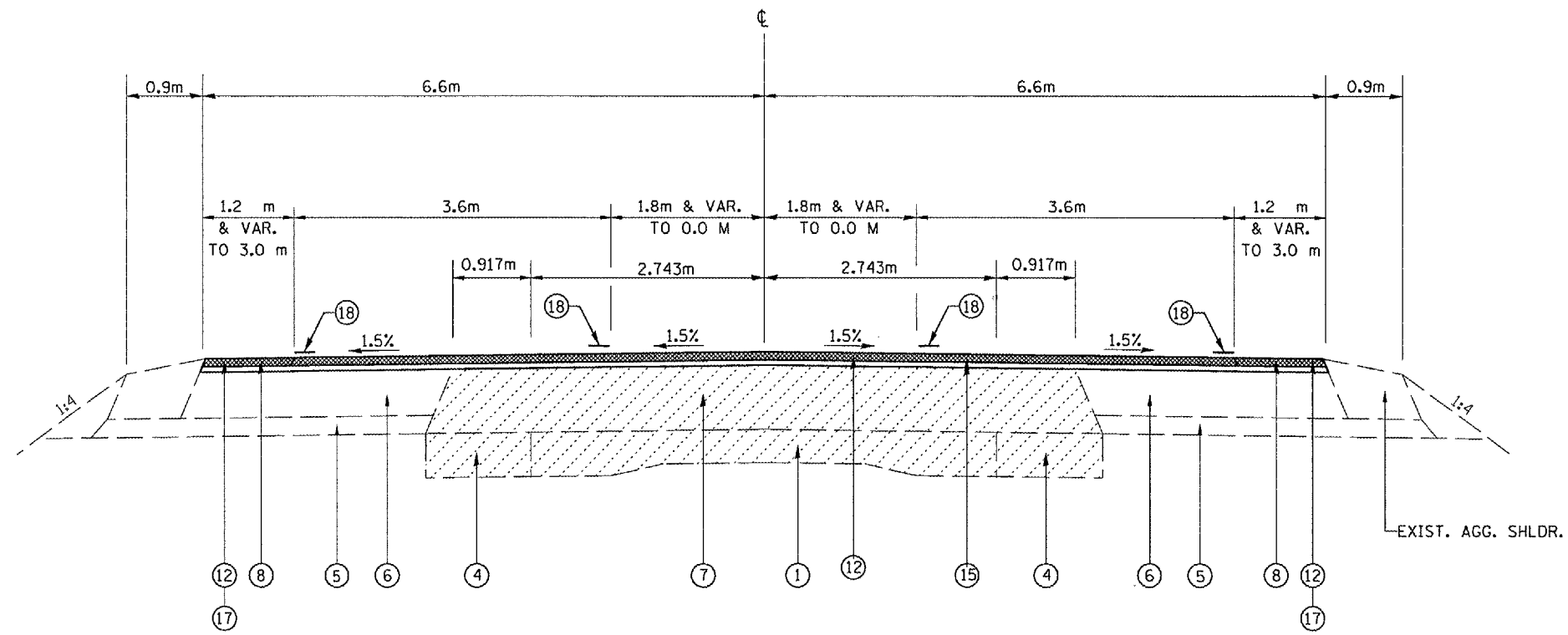
NOTE: (A) SHLD. SLOPES FOR S. E. SECTION
 LOW SIDE OF S. E.
 SHLD. SLOPE SHALL BE THE SAME AS THE S. E. RATE BUT NOT LESS THAN 4.0%.

HIGH SIDE OF S. E.
 — WHEN S. E. RATE OF THE PAVEMENT IS BETWEEN 0% AND 4.0%, THE SHLD. SLOPE SHALL BE 4.0%
 — WHEN S. E. RATE OF PAVEMENT EXCEEDS 4.0% THE SHLD. SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT AND SHLD. WILL NOT BE GREATER THAN 8.0%

NOT TO SCALE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TYPICAL SECTIONS FAP 325 (IL 16) SECTION 21RS-4; 24RS-7 MONTGOMERY COUNTY DRAWN BY CAD mg DATE: 02/10/99 CHECKED BY MAA
NAME	DATE	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 21RS-4; 24RS-7 CONTRACT NO. 72444				



STA 5+037.170 to STA 5+314.974

LEGEND

- ① EX PCC PAVEMENT (203MM - 152MM - 203MM)
- ② EX MASTIC CUSHION - 25MM
- ③ EX BRICK PAVEMENT - 64MM
- ④ EX PCC WIDENING - 203MM
- ⑤ EX SUB-BASE GRANULAR MATERIAL - 100MM
- ⑥ EX BITUMINOUS BASE COURSE - 200MM
- ⑦ EX BITUMINOUS SURFACE -
 STA 4+025.000 TO STA 4+900.000 - ± 90MM
 STA 4+900.000 TO STA 5+037.177 - ± 175MM
 STA 5+037.177 TO STA 5+314.974 - ± 225MM
 STA 5+314.974 TO STA 7+327.836 - ± 175MM
- ⑧ EX BITUMINOUS SURFACE - 63MM
- ⑨ EX BITUMINOUS SHOULDER - 254MM
- ⑩ EX CONCRETE CURB
- ⑪ PR BITUMINOUS SURFACE REMOVAL, VARIABLE DEPTH
- ⑫ PR BITUMINOUS SURFACE REMOVAL, 40MM
- ⑬ PR BITUMINOUS SURFACE REMOVAL, 60MM
- ⑭ PR LEVELING BINDER (MACHINE METHOD), 19MM
- ⑮ PR POLYMER BITUMINOUS CONCRETE SURFACE COURSE, MIX"D", N70, 38MM
- ⑯ PR BITUMINOUS SHOULDERS, SUPERPAVE, VARIABLE DEPTH (57MM TO 38MM)
- ⑰ PR BITUMINOUS SHOULDERS, SUPERPAVE, 38MM
- ⑱ PR THERMOPLASTIC PAVEMENT PARKING, LINE - 125MM

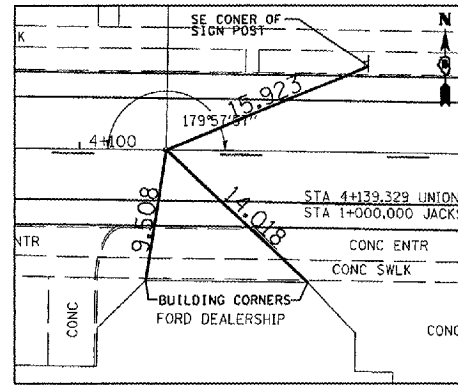
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REVISIONS	
NAME	DATE

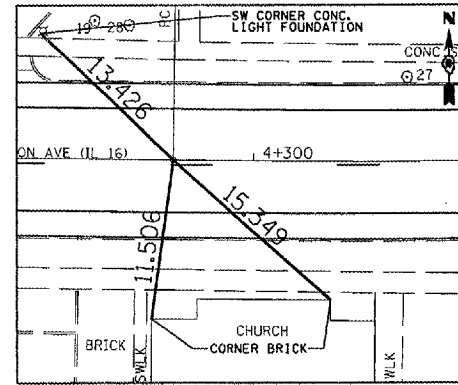
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 FAP 325 (IL 16)
 SECTION 21RS-4; 24RS-7
 MONTGOMERY COUNTY
 DRAWN BY CAD mg
 DATE: 02/10/99
 CHECKED BY MAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	21R5-4+24R5-7	MACOUPIN	39	12
STA. 4+106.323 TO STA. 7+394.519				
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				

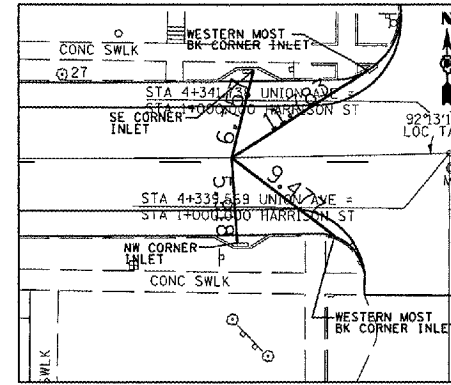
PK N&BC W/CHSLD "X"
FOR ALL CROSS TIES
EXCEPT STA 6+622.990



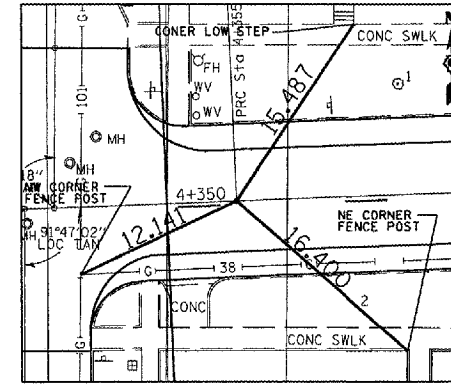
PI STA 4+106.323



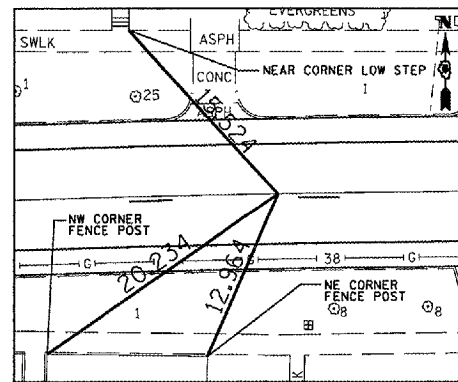
PC 30 STA 4+294.129



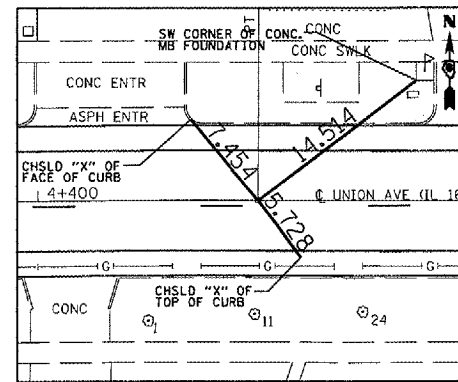
PI 30 STA 4+324.609



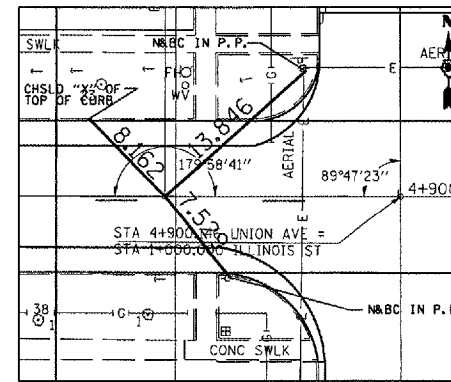
PRC STA 4+355.075



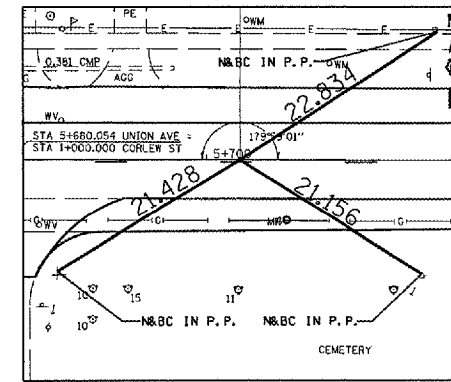
PI 32 STA 4+385.555



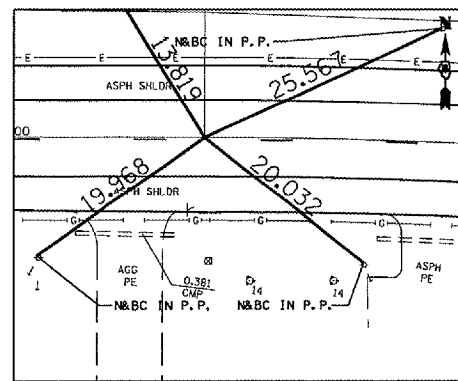
PT 32 STA 4+416.026



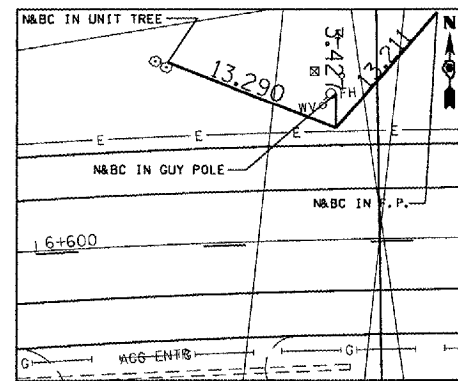
PI 146 STA 4+882.978



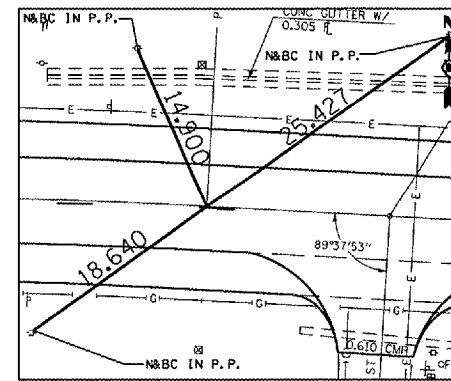
PI 141 STA 5+703.263



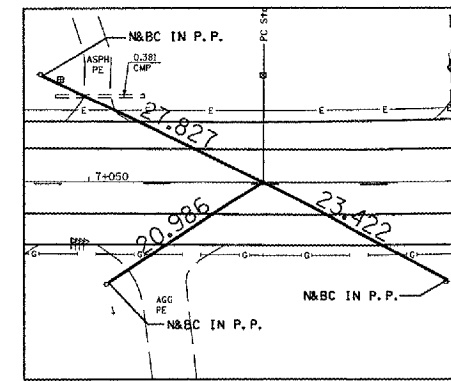
PC 35 STA 6+521.308



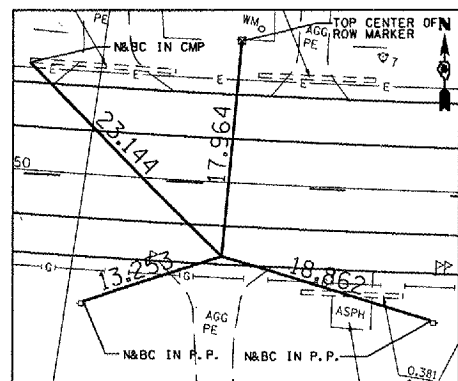
PI 35 STA 6+622.990
#4 REBAR W/CAP - FLUSH



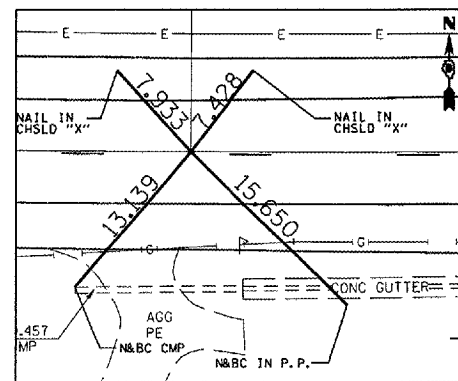
PT 35 STA 6+722.655



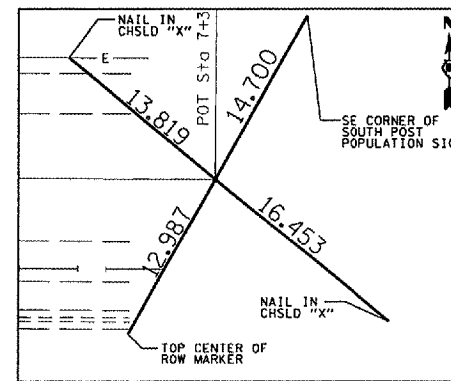
PC 36 STA 7+069.55



PI 36 STA 7+171.612



PT 36 STA 7+272.767



POT 121 STA 7+394.519

•DDN-SPEC*
•DATE-TIME*
•REF-1
•REF-2
•REF-3
•REF-4
•REF-5
•REF-6
•REF-7
•REF-8
•REF-9
•REF-10
PROJECT: D653836 FILE: X1168 .DGN

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		CROSS TIES
		SCALE: VERT. HORIZ. DATE
		DRAWN BY BDK CHECKED BY MSD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	21RS-4;24RS-7	MACOUPIN	79	13
STA. 4+352.67D		TO STA. 7+410.120		
FED. ROAD DIST. NO. 5		ILLINOIS		FED. AID PROJECT

BENCHMARK INFORMATION

BM #53	SET CHSLD "X" ON SOUTHERLY TOP FLANGE BOLT OF F. H. IN THE NW QUAD. OF UNION/JACKSON ST. STA. 4+130.75 AT 6.76 LT ADJ. EL. = 211.665	BM #59	SET CHSLD "X" ON SOUTH TOP FLANGE BOLT OF F. H. AT CORLEW ST. ON THE NORTH SIDE OF IL 16 STA. 5+671.23 AT 10.33 LT ADJ. EL. = 208.946
BM #54	SET CHSLD "X" ON SOUTHERLY TOP FLANGE BOLT OF F. H. IN THE NE QUAD. OF UNION/HARRISON ST. STA. 4+352.67 AT 10.22 LT ADJ. EL. = 209.348	BM #60	SET 60d SPIKE NAIL IN P. P. AT NW QUAD OF IL 16/LAKE YAEGER STA. 5+969.65 AT 12.58 LT ADJ. EL. = 207.619
BM #55	SET CHSLD "X" ON NORTH TOP FLANGE BOLT OF F. H. IN THE NE QUAD. OF UNION/CHESTNUT ST. STA. 4+561.37 AT 9.05 LT ADJ. EL. = 208.180	BM #61	FOUND RR SPIKE IN P. P. IN NW QUAD LANDFILL ROAD/IL 16 STA. 6+134.840 AT 11.85 LT ADJ. EL. = 206.121
BM #56	SET CHSLD "X" ON NORTH TOP FLANGE BOLT OF F. H. IN THE SE QUAD. OF UNION/WALNUT ST. STA. 4+790.49 AT 15.79 RT ADJ. EL. = 208.188	BM #62	SET CHSLD "□" ON TOP CENTER OF HDWL. ON NORTH SIDE IL 16 ACROSS FROM LITCHFIELD BOWLING ALLEY STA. 6+400.000 AT 8.55 LT ADJ. EL. = 204.290
BM #57	SET CHSLD "□" ON TOP CENTER CONC. HDWL ±40 METERS E. OF LOCUST ST. ON NORTH SIDE IL 16 STA. 5+057.70 AT 18.70 LT ADJ. EL. = 203.520	BM #63	SET CHSLD "□" ON TOP OF HDWL. NE QUAD OF IL 16/HOWARD ST. STA. 6+765.500 AT 10.30 LT ADJ. EL. = 200.352
BM #58	SET CHSLD "□" ON NW CORNER OF AGS CONC. PAD. ± 5 STRIPES E. OF ST. FRANCIS WAY ON SOUTH SIDE OF IL 16 STA. 5+280.980 AT 15.15 RT ADJ. EL. = 207.073	BM #64	SET 60d SPIKE NAIL IN P. P. ON NORTH SIDE OF IL 16 STA. 7+130.24 AT 12.07 LT ADJ. EL. = 202.802
		BM #65	SET 60d SPIKE NAIL IN P. P. ON NORTH SIDE OF IL 16 (AT LITCHFIELD CITY POPULATION SIGN) NEAREST P. P. TO 9802 STA. 7+410.120 AT 18.30 LT ADJ. EL. = 196.974

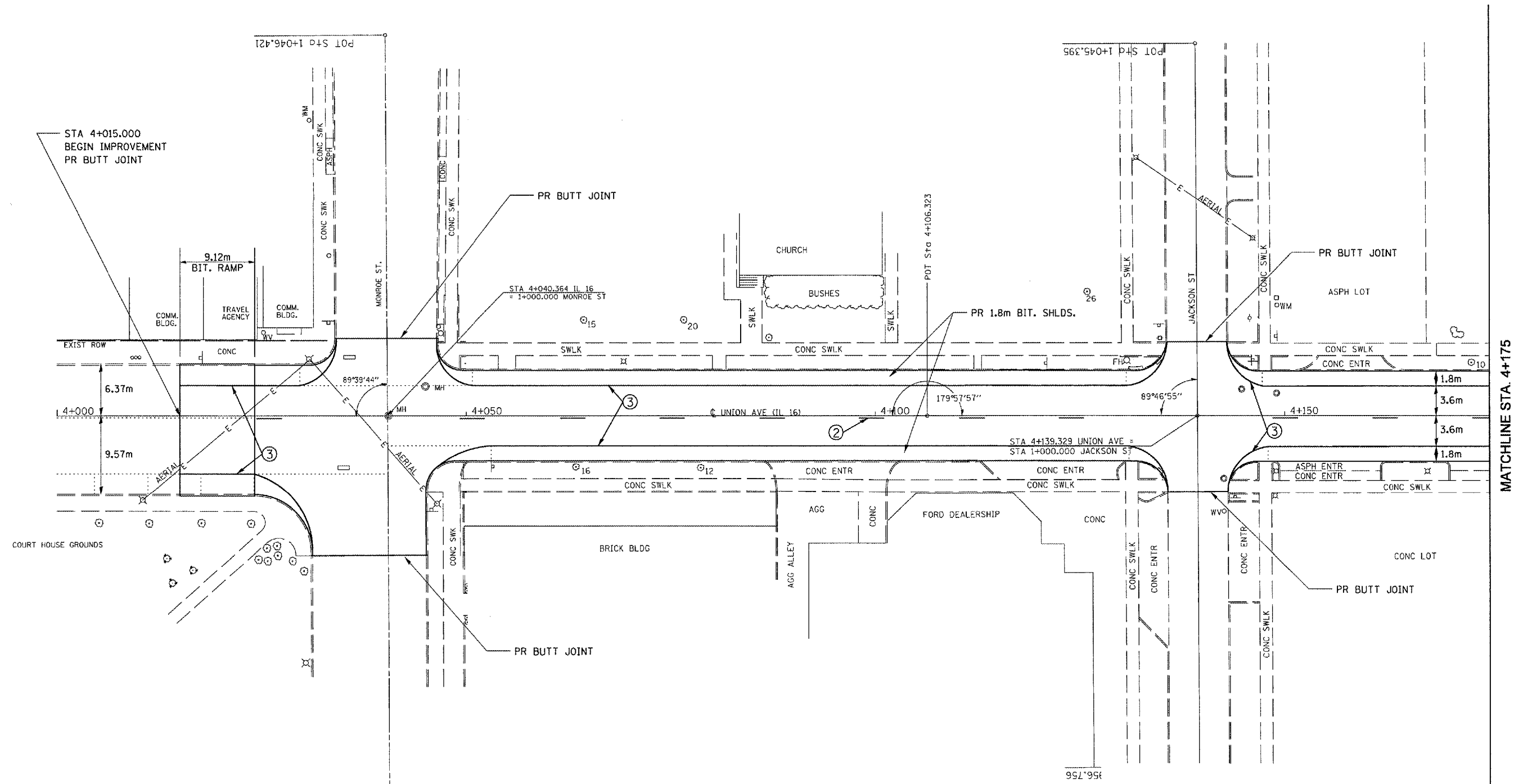
DON-SPEC
 DATE-TIME
 REF-D
 *REF-
 *REF-

PROJECT: 0653898 FILE:RT18 .DGN

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		BENCHMARKS SCALE: VERT. _____ HORIZ. _____ DATE _____
		DRAWN BY: BDK CHECKED BY: MSD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	*	MONTGOMERY	39	14
STA. 4+000		TO STA. 4+175		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



MATCHLINE STA. 4+175

LEGEND

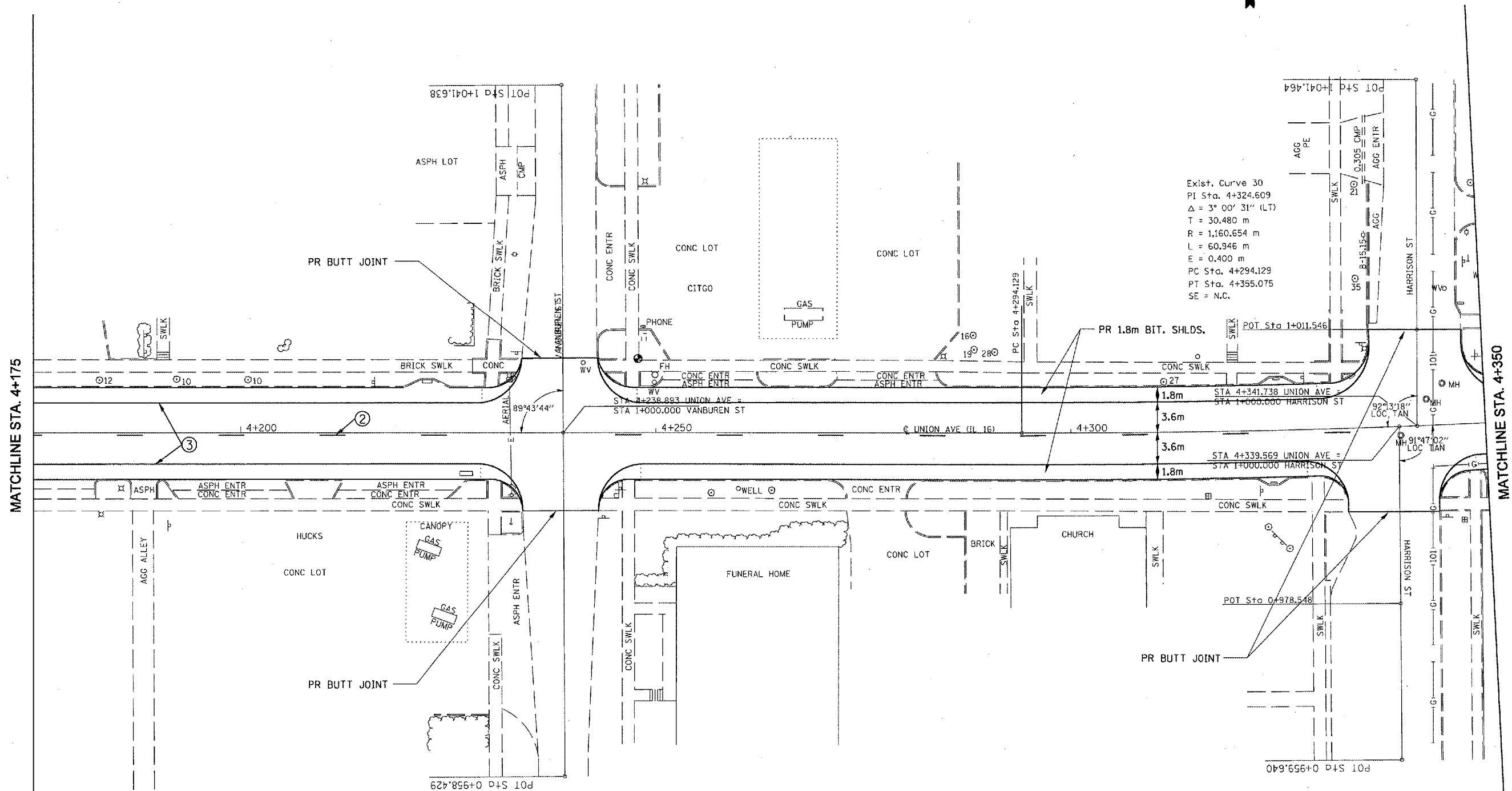
- ① PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID YELLOW)
- ② PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SKIP-DASH YELLOW)
- ③ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID WHITE)
- ④ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 150mm (SOLID WHITE)
- ⑤ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 300mm (SOLID YELLOW)
- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY
CHECKED BY
DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	15
STA. 4+175		TO STA. 4+350		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



Exist. Curve 30
PI Sta. 4+324.609
 $\Delta = 3^{\circ} 00' 31''$ (LT)
T = 30,480 m
R = 1,160.654 m
L = 60,946 m
E = 0.400 m
PC Sta. 4+294.129
PT Sta. 4+355.075
SE = N.C.

LEGEND

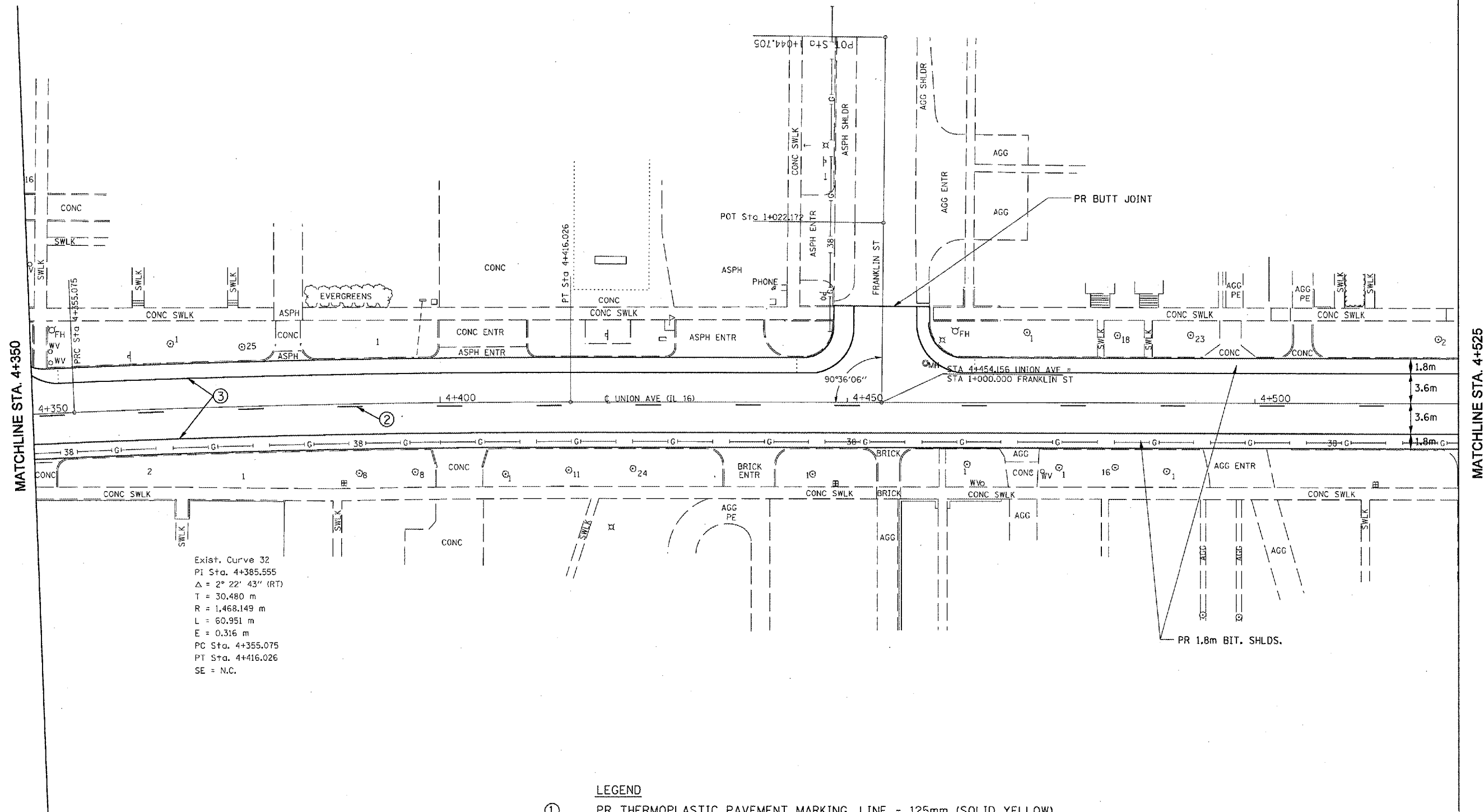
- ① PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID YELLOW)
- ② PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SKIP-DASH YELLOW)
- ③ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID WHITE)
- ④ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 150mm (SOLID WHITE)
- ⑤ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 300mm (SOLID YELLOW)
- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY _____
CHECKED BY _____
DATE _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	16
STA. 4+350		TO STA. 4+525		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



Exist. Curve 32
PI Sta. 4+385.555
 $\Delta = 2^\circ 22' 43''$ (RT)
T = 30,480 m
R = 1,468.149 m
L = 60,951 m
E = 0.316 m
PC Sta. 4+355.075
PT Sta. 4+416.026
SE = N.C.

LEGEND

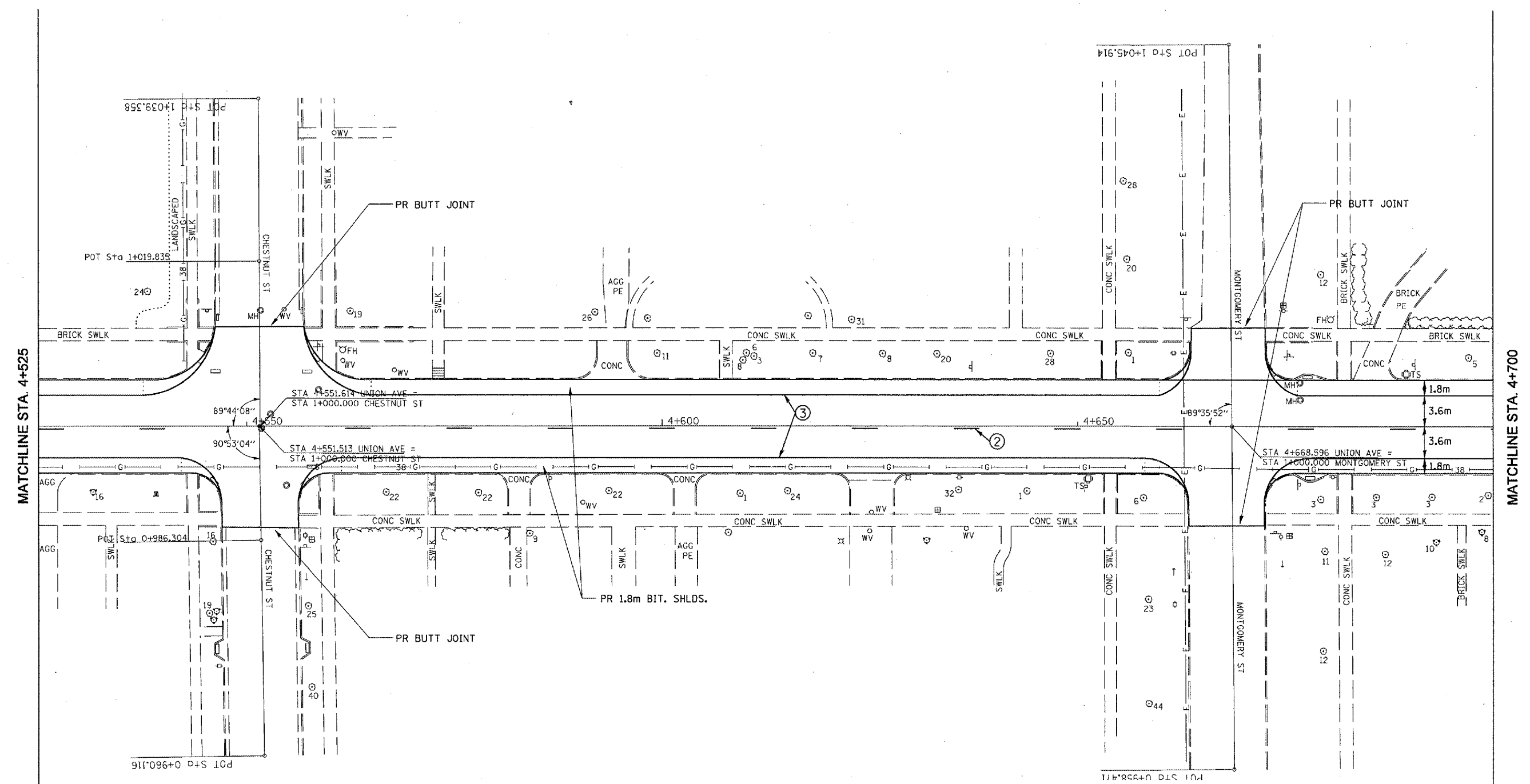
- ① PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID YELLOW)
- ② PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SKIP-DASH YELLOW)
- ③ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID WHITE)
- ④ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 150mm (SOLID WHITE)
- ⑤ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 300mm (SOLID YELLOW)
- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLACTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY
CHECKED BY
DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	17
STA. 4+525		TO STA. 4+700		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



MATCHLINE STA. 4+525

MATCHLINE STA. 4+700

LEGEND

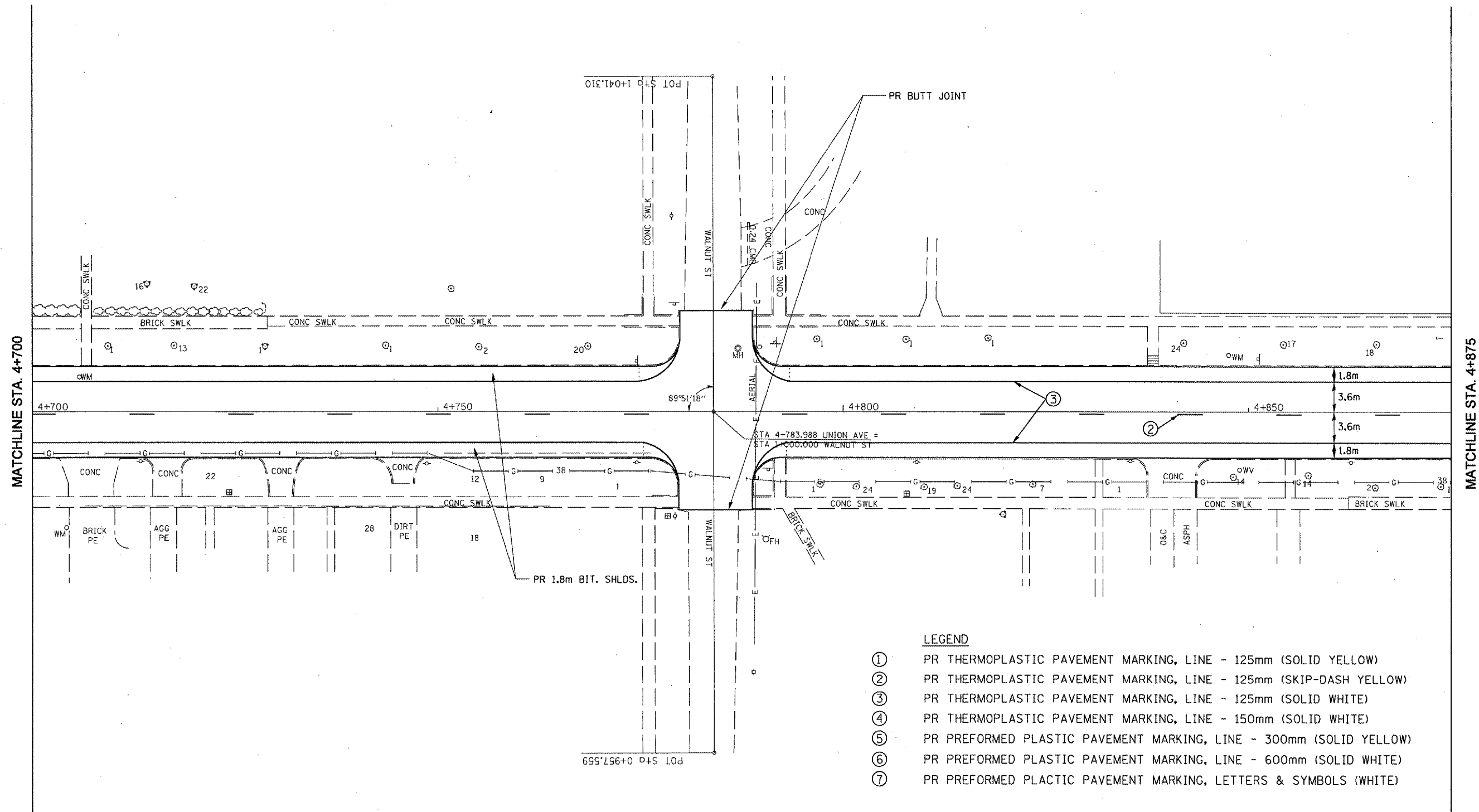
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- ③ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID WHITE)
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- ⑤ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 300mm (SOLID YELLOW)
- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY _____
CHECKED BY _____
DATE _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	18
STA. 4+700		TO STA. 4+875		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

• 21RS-4; 24RS-7
CONTRACT NO. 72444



LEGEND

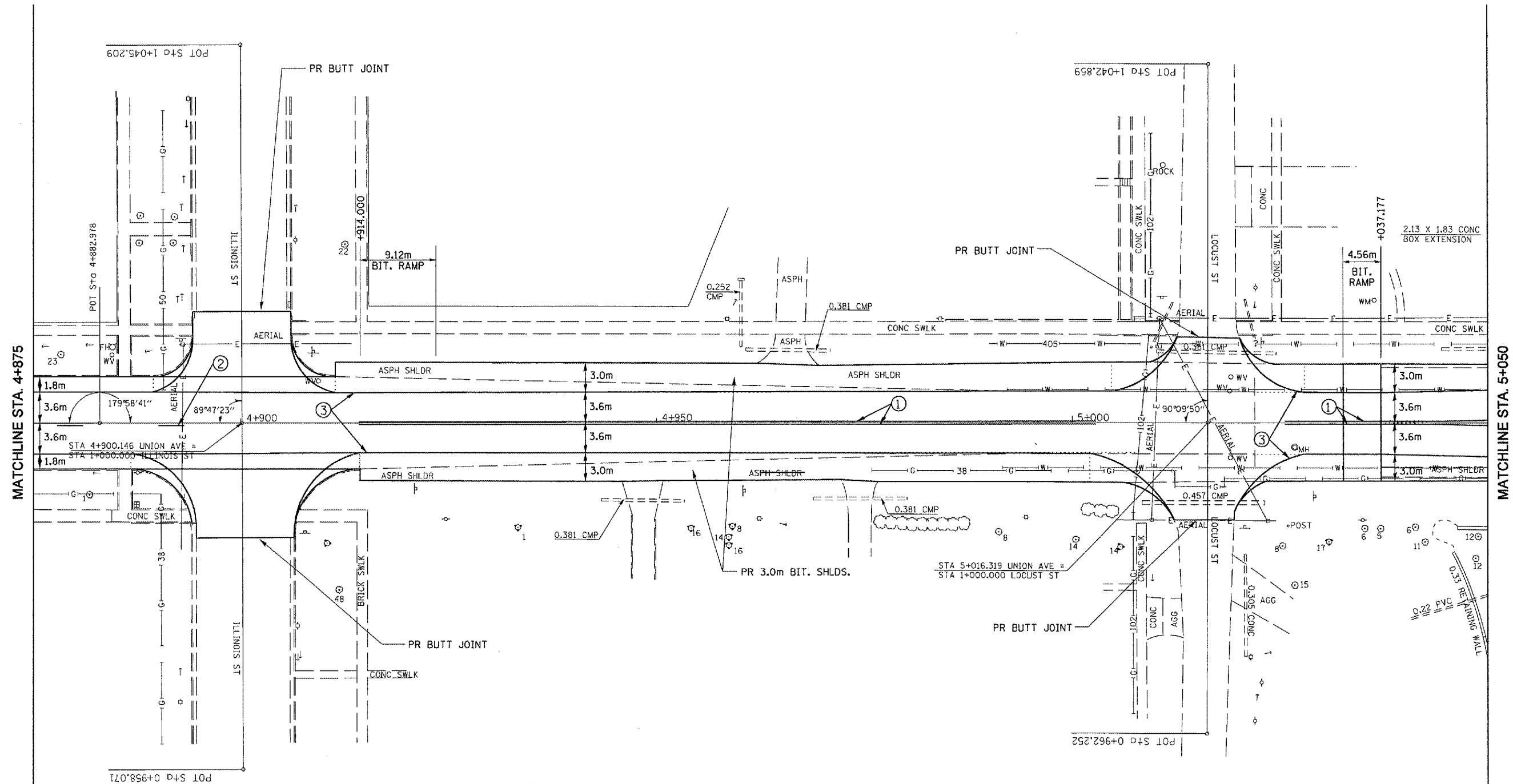
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- ⑤ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 300mm (SOLID YELLOW)
- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY
CHECKED BY
DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	19
STA. 4+875		TO STA. 5+050		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



LEGEND

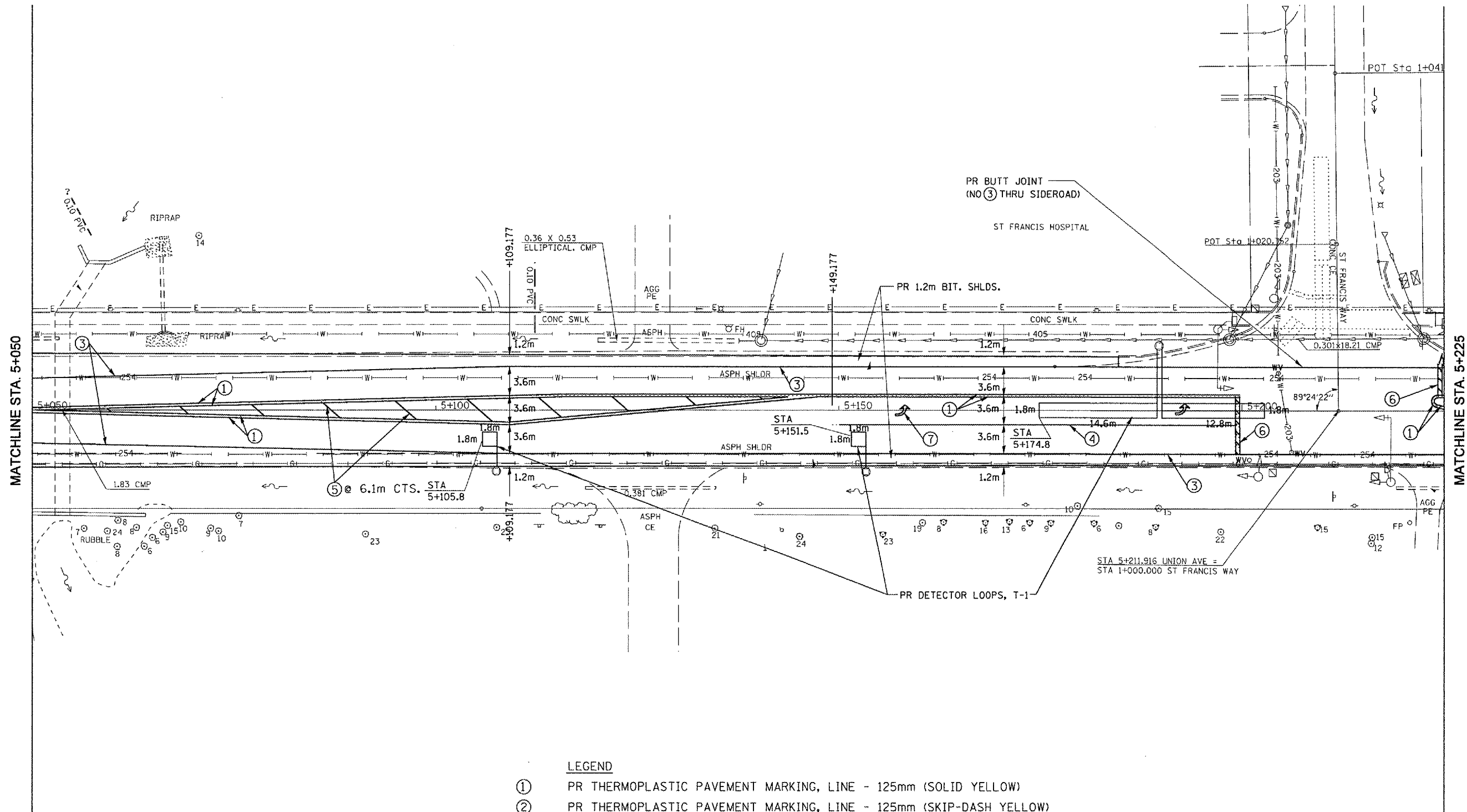
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- ⑤ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 300mm (SOLID YELLOW)
- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLACTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY
CHECKED BY
DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	20
STA. 5+050		TO STA. 5+225		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



LEGEND

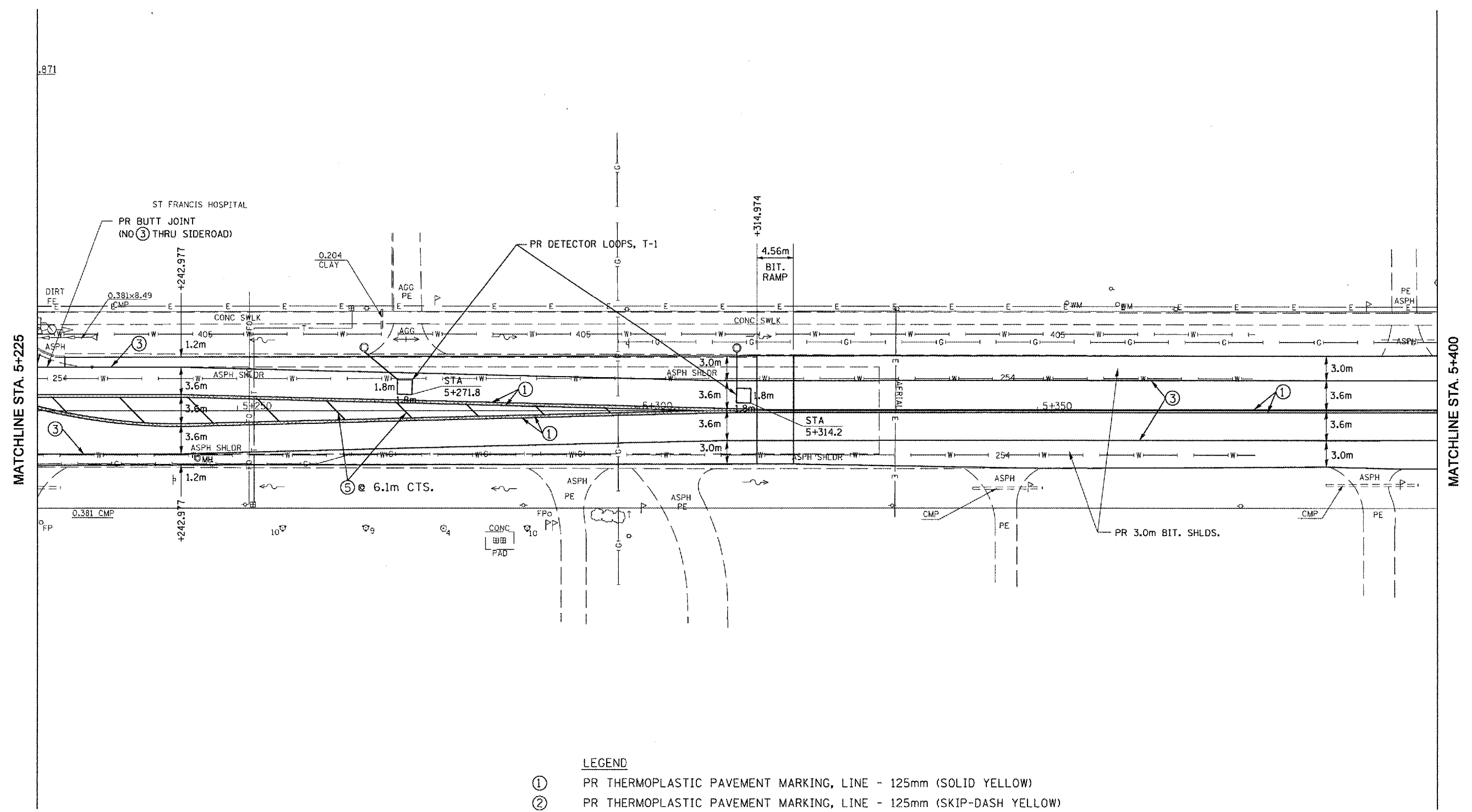
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- ③ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID WHITE)
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- ⑤ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 300mm (SOLID YELLOW)
- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY
CHECKED BY
DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	21
STA. 5+225		TO STA. 5+400		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



LEGEND

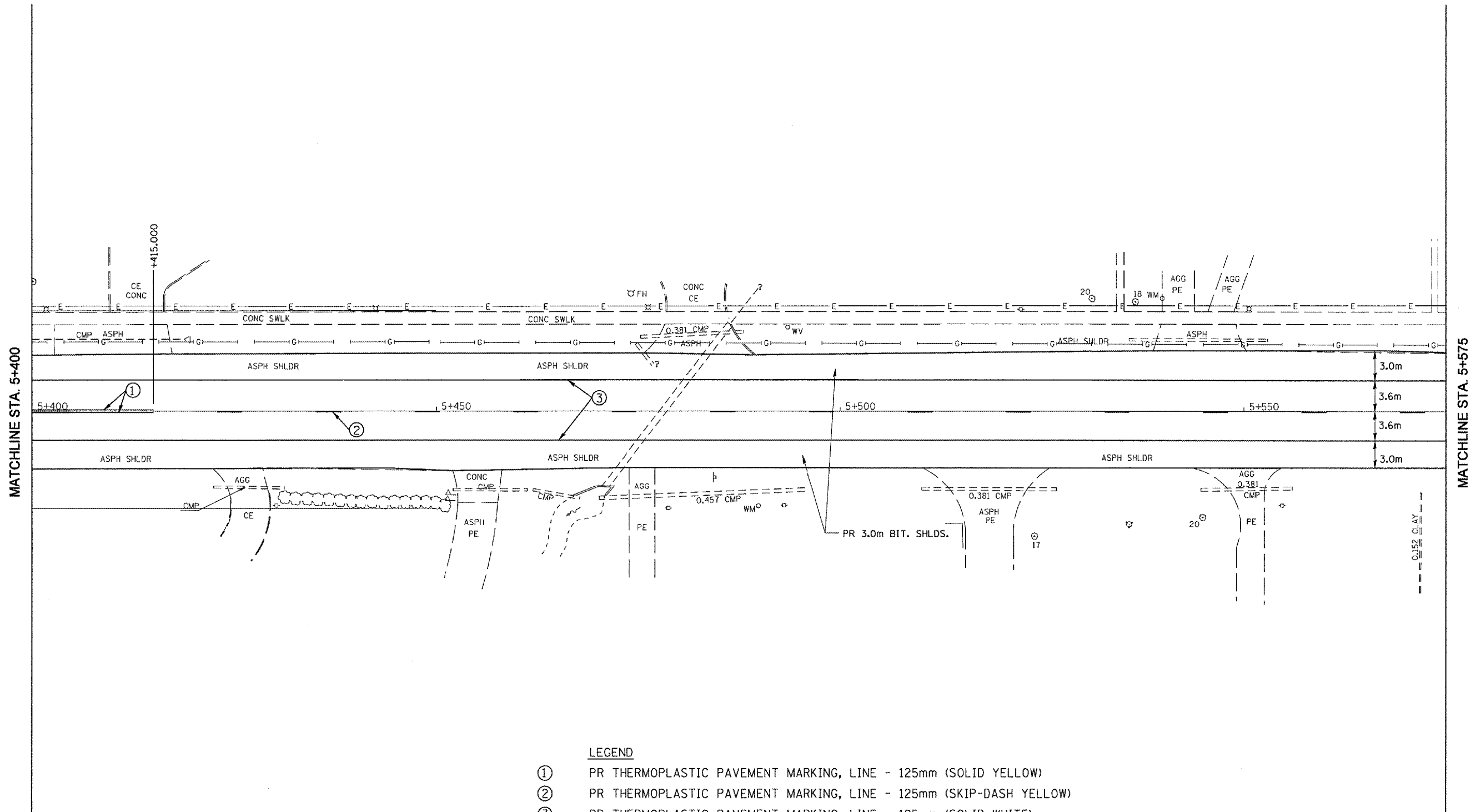
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- ⑦ PR PREFORMED PLACTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY
CHECKED BY
DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	22
STA. 5+400		TO STA. 5+575		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



LEGEND

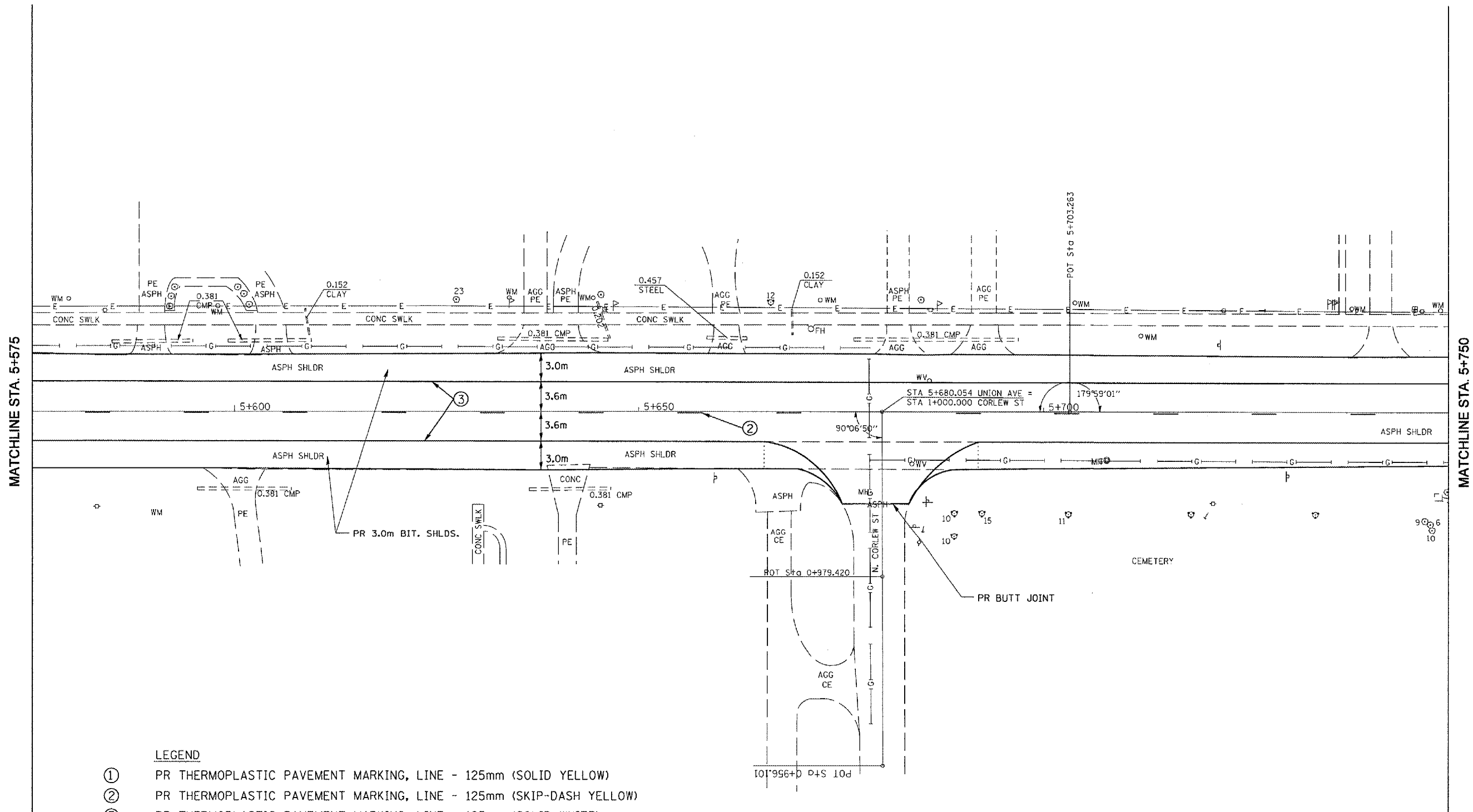
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- ⑦ PR PREFORMED PLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY
CHECKED BY
DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	23
STA. 5+575		TO STA. 5+750		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



LEGEND

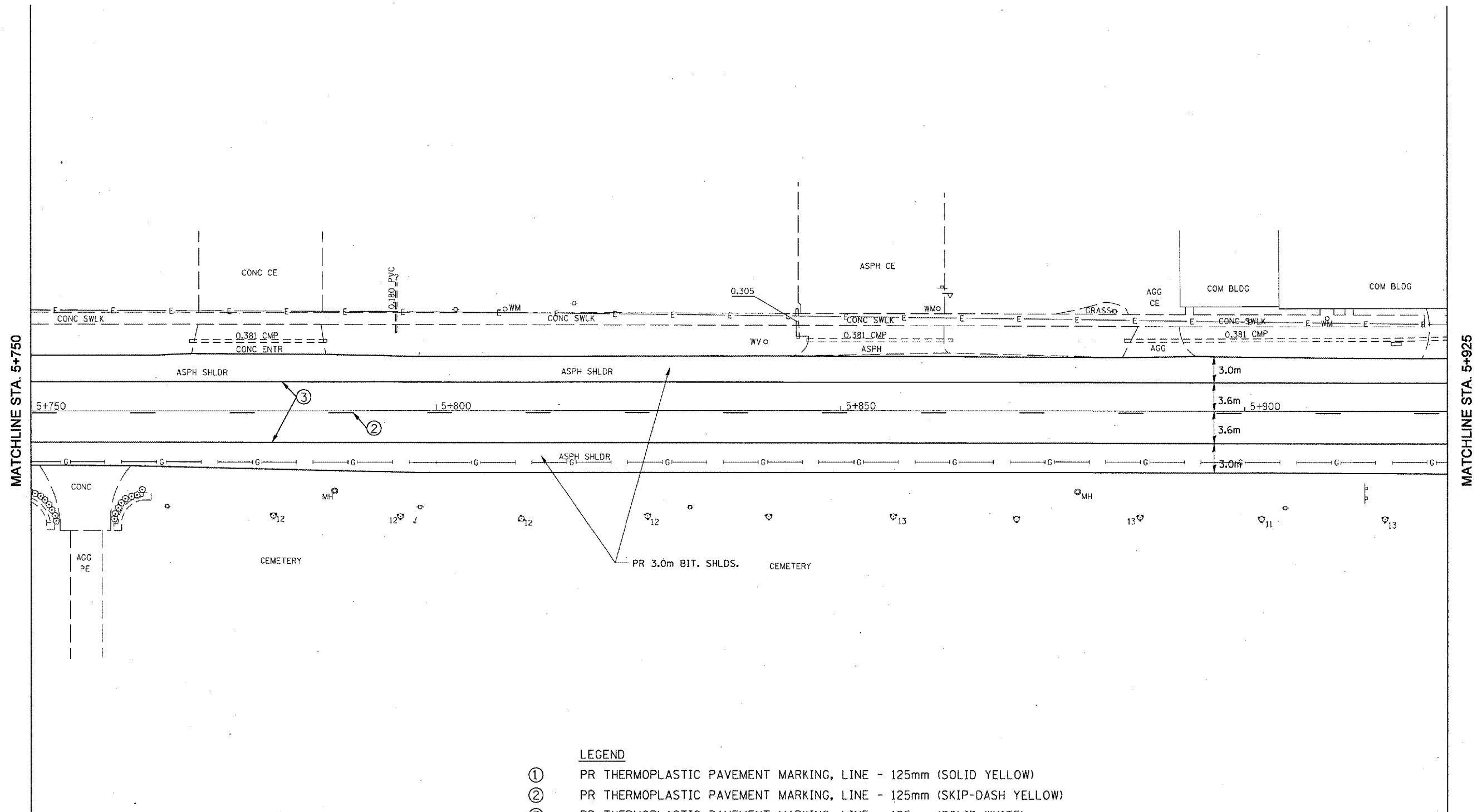
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- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY _____
CHECKED BY _____
DATE _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	24
STA. 5+750		TO STA. 5+925		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



LEGEND

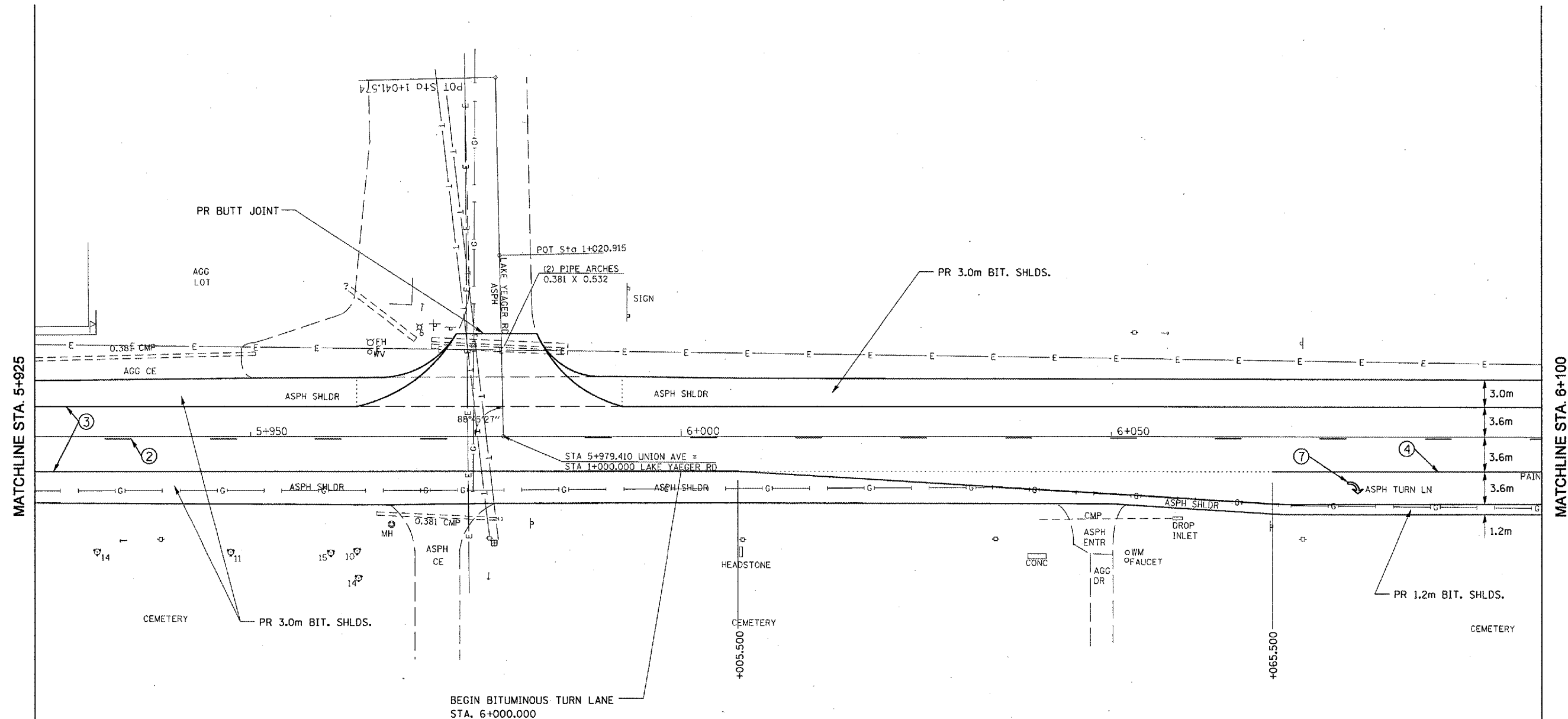
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- ⑦ PR PREFORMED PLACTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY
CHECKED BY
DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	25
STA. 5+925		TO STA. 6+100		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



LEGEND

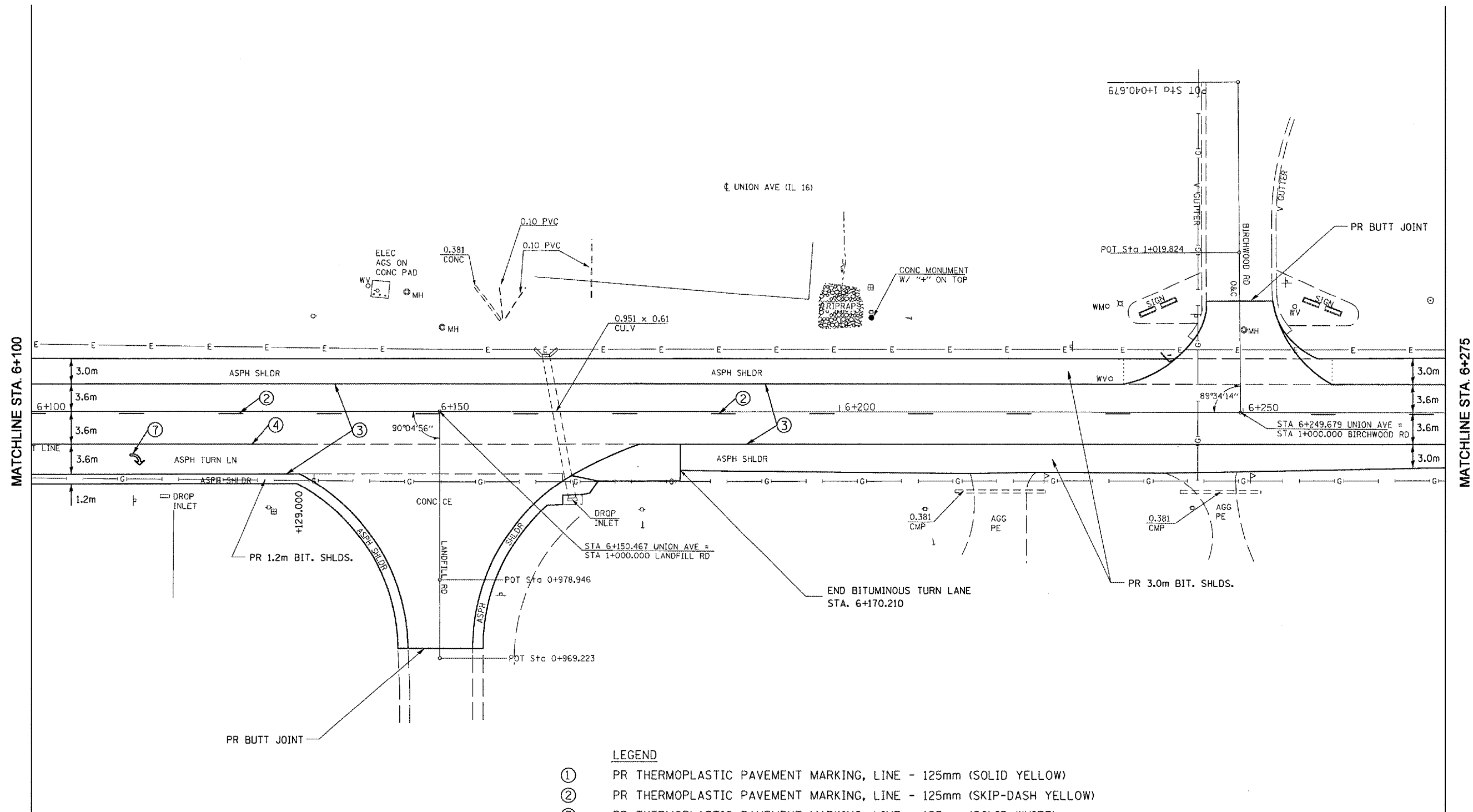
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- ⑦ PR PREFORMED PLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY _____
CHECKED BY _____
DATE _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	26
STA. 6+100		TO STA. 6+275		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



LEGEND

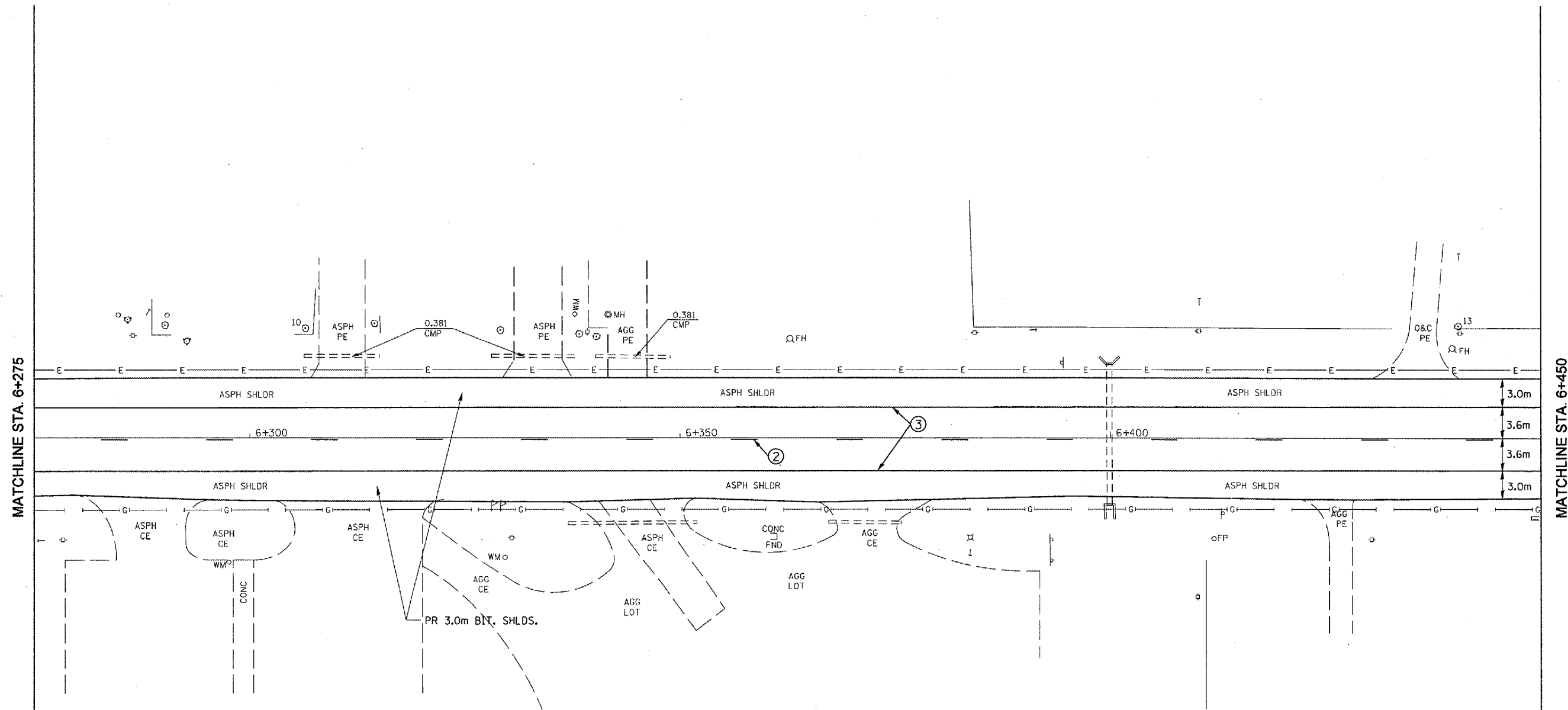
- ① PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID YELLOW)
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- ⑤ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 300mm (SOLID YELLOW)
- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLACTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY _____
CHECKED BY _____
DATE _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	27
STA. 6+275		TO STA. 6+450		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



LEGEND

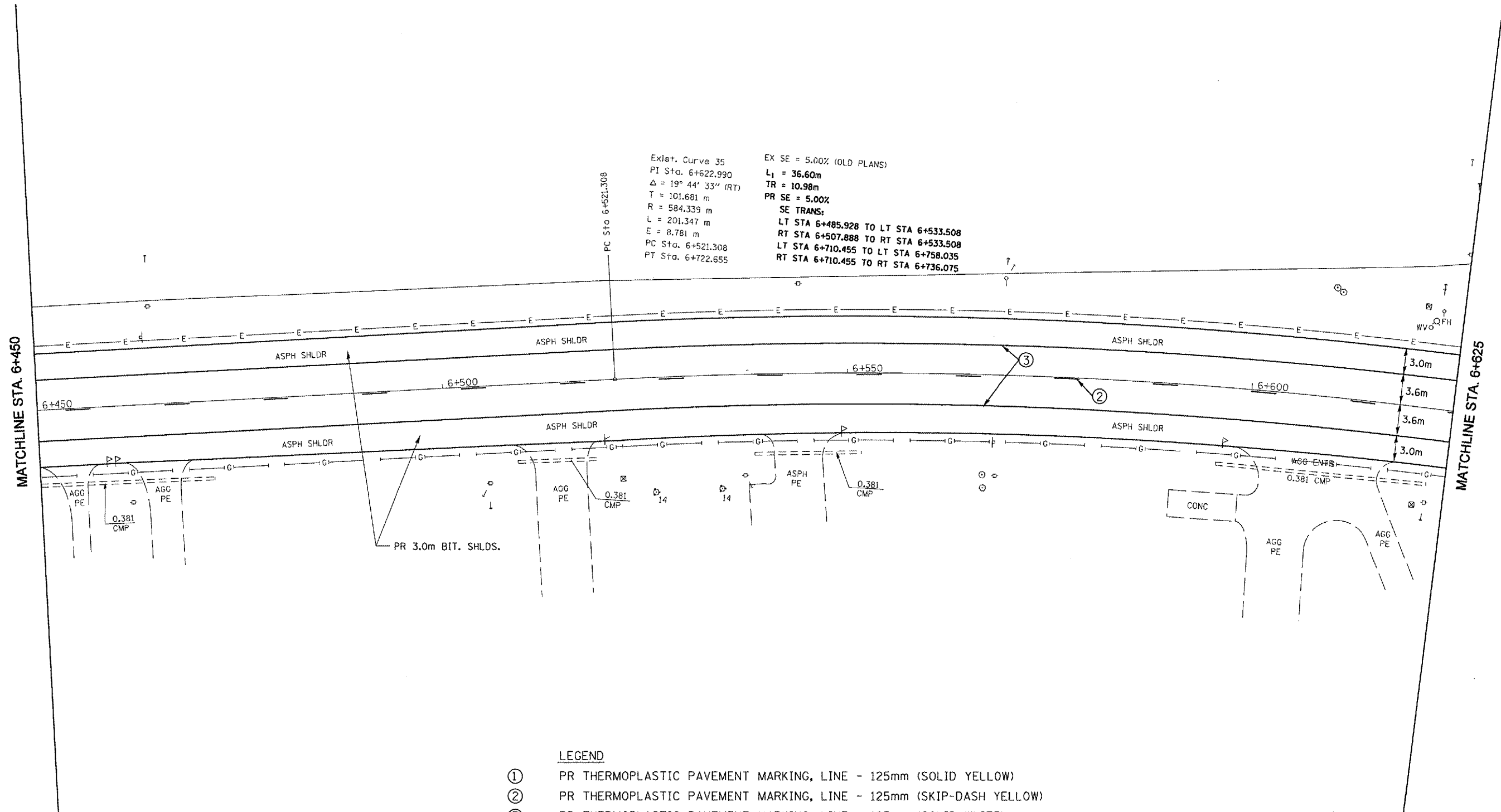
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- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLACTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY _____
CHECKED BY _____
DATE _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	28
STA. 6+450		TO STA. 6+625		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



Exist. Curve 35
PI Sta. 6+622.990
Δ = 19° 44' 33'' (RT)
T = 101.681 m
R = 584.339 m
L = 201.347 m
E = 8.781 m
PC Sta. 6+521.308
PT Sta. 6+722.655

EX SE = 5.00% (OLD PLANS)
L₁ = 36.60m
TR = 10.98m
PR SE = 5.00%
SE TRANS:
LT STA 6+485.928 TO LT STA 6+533.508
RT STA 6+507.888 TO RT STA 6+533.508
LT STA 6+710.455 TO LT STA 6+758.035
RT STA 6+710.455 TO RT STA 6+736.075

LEGEND

- ① PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID YELLOW)
- ② PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SKIP-DASH YELLOW)
- ③ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID WHITE)
- ④ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 150mm (SOLID WHITE)
- ⑤ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 300mm (SOLID YELLOW)
- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY
CHECKED BY
DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	29
STA. 6+625		TO STA. 6+800		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

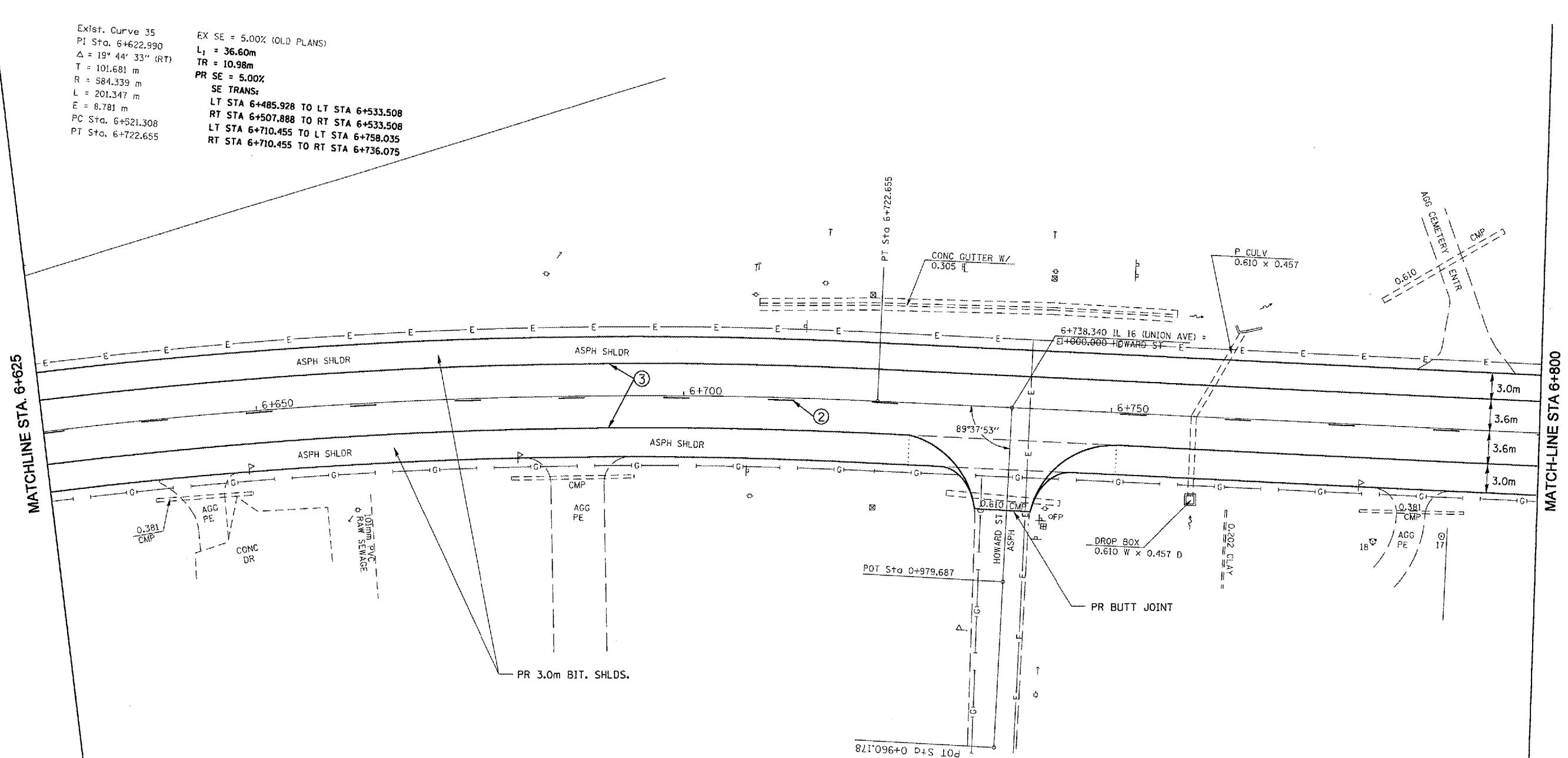
• 21RS-4; 24RS-7
CONTRACT NO. 72444



Exist. Curve 35
PI Sta. 6+622.990
 $\Delta = 19^\circ 44' 33''$ (RT)
T = 101.681 m
R = 584.339 m
L = 201.347 m
E = 8.781 m
PC Sta. 6+521.308
PT Sta. 6+722.655

EX SE = 5.00% (OLD PLANS)
L₁ = 36.60m
TR = 10.98m
PR SE = 5.00%

SE TRANS:
LT STA 6+485.928 TO LT STA 6+533.508
RT STA 6+507.888 TO RT STA 6+533.508
LT STA 6+710.455 TO LT STA 6+758.035
RT STA 6+710.455 TO RT STA 6+736.075



MATCHLINE STA. 6+625

MATCHLINE STA 6+800

LEGEND

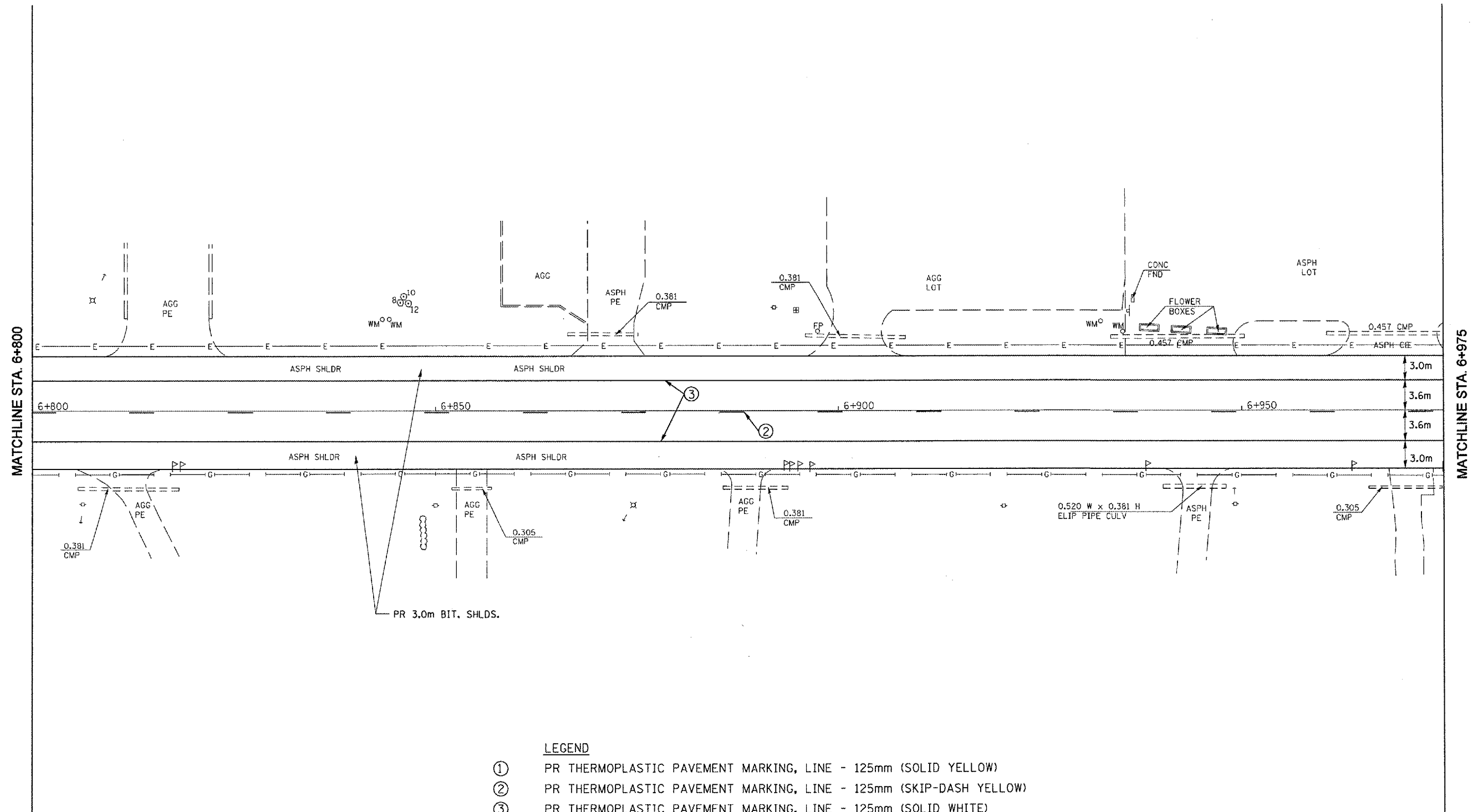
- ① PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID YELLOW)
- ② PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SKIP-DASH YELLOW)
- ③ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID WHITE)
- ④ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 150mm (SOLID WHITE)
- ⑤ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 300mm (SOLID YELLOW)
- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLACTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY
CHECKED BY
DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	30
STA. 6+800		TO STA. 6+975		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



- LEGEND**
- ① PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID YELLOW)
 - ② PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SKIP-DASH YELLOW)
 - ③ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID WHITE)
 - ④ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 150mm (SOLID WHITE)
 - ⑤ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 300mm (SOLID YELLOW)
 - ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
 - ⑦ PR PREFORMED PLACTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

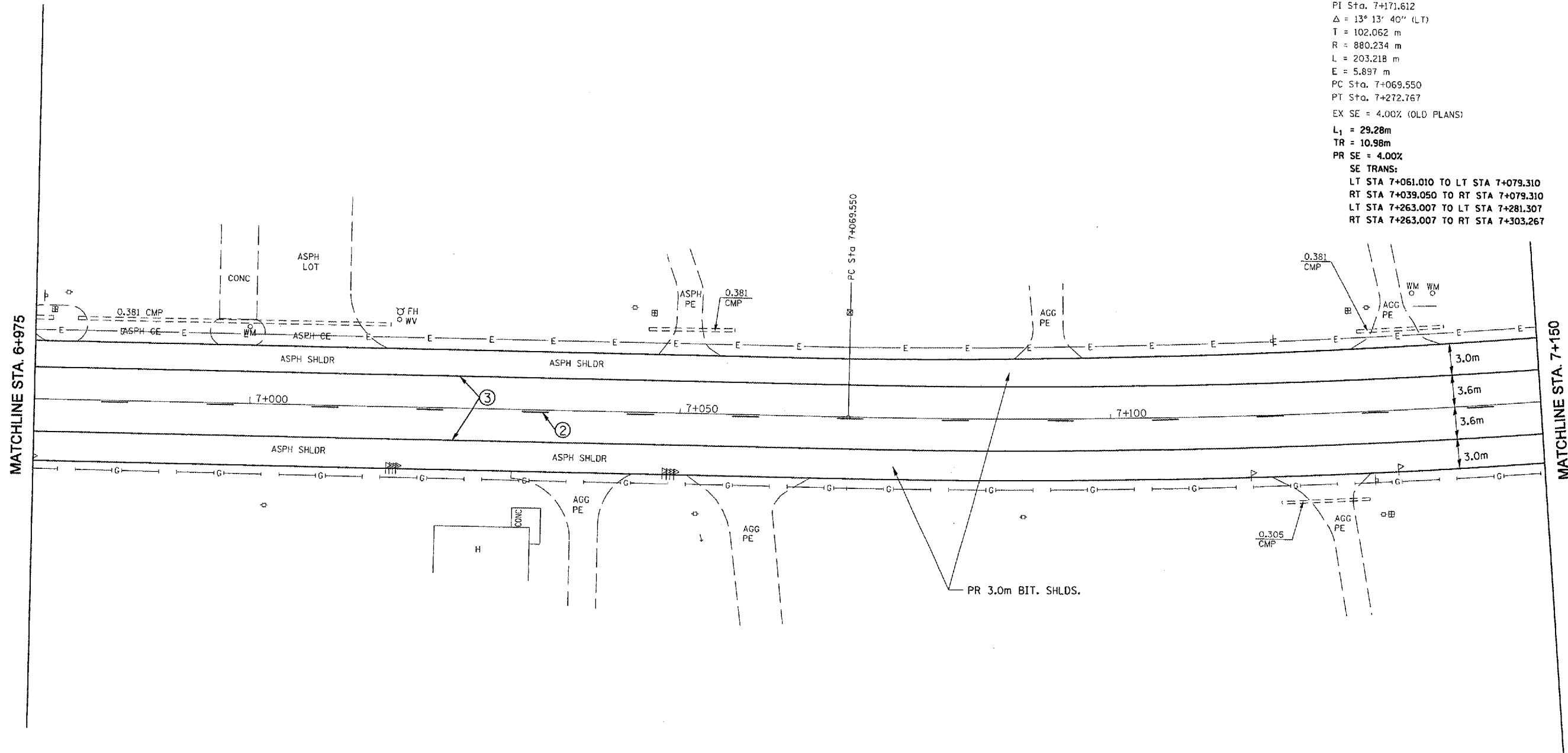
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center">PLAN SHEETS</p> <p align="center">SECTION : 21RS-4; 24RS-7</p> <p align="center">MONTGOMERY COUNTY</p> <p align="right">DRAWN BY</p> <p align="right">CHECKED BY</p> <p align="right">DATE</p>

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	31
STA. 6+975		TO STA. 7+150		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



Exist. Curve 36
PI Sta. 7+171.612
 $\Delta = 13^\circ 13' 40''$ (LT)
T = 102.062 m
R = 880.234 m
L = 203.218 m
E = 5.897 m
PC Sta. 7+069.550
PT Sta. 7+272.767
EX SE = 4.00% (OLD PLANS)
L₁ = 29.28m
TR = 10.98m
PR SE = 4.00%
SE TRANS:
LT STA 7+061.010 TO LT STA 7+079.310
RT STA 7+039.050 TO RT STA 7+079.310
LT STA 7+263.007 TO LT STA 7+281.307
RT STA 7+263.007 TO RT STA 7+303.267



LEGEND

- ① PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID YELLOW)
- ② PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SKIP-DASH YELLOW)
- ③ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID WHITE)
- ④ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 150mm (SOLID WHITE)
- ⑤ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 300mm (SOLID YELLOW)
- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

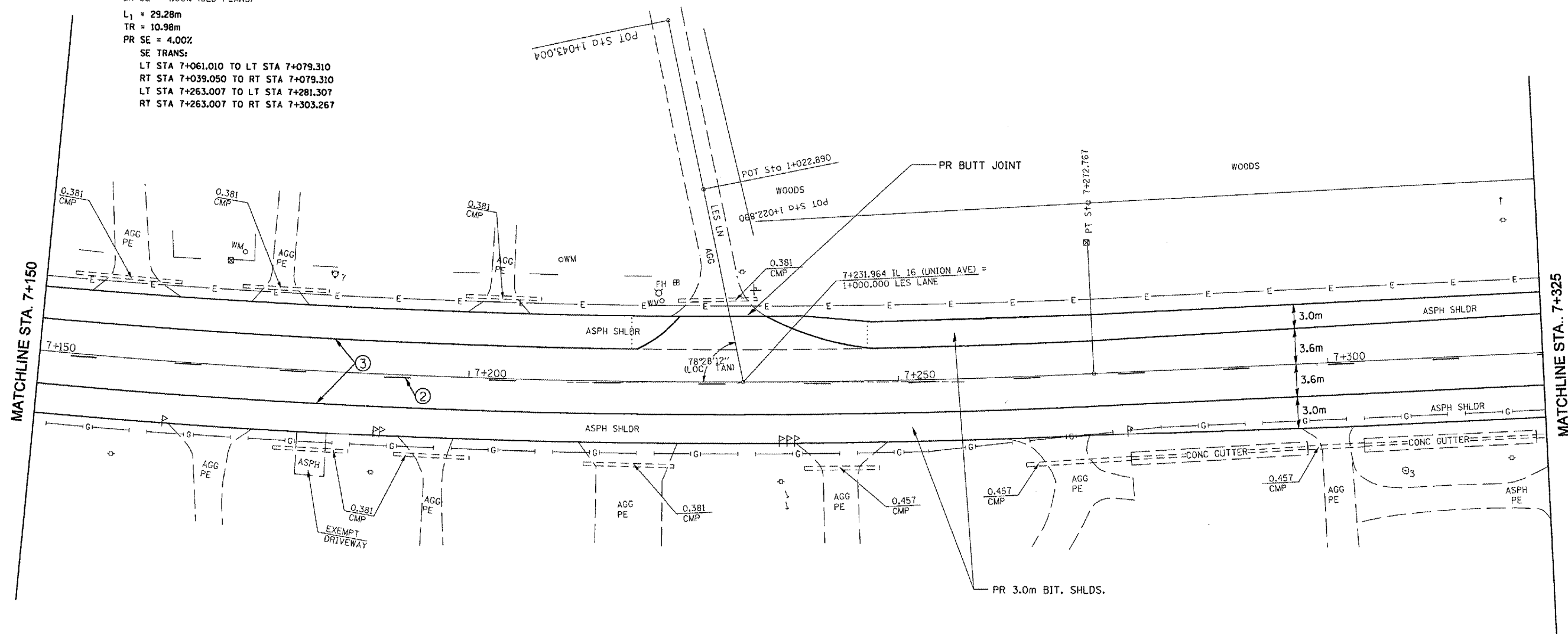
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY
CHECKED BY
DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	32
STA. 7+150		TO STA. 7+730		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444

Exist. Curve 36
PI Sta. 7+171.612
 $\Delta = 13^\circ 13' 40''$ (LT)
T = 102.062 m
R = 880.234 m
L = 203.218 m
E = 5.897 m
PC Sta. 7+069.550
PT Sta. 7+272.767
EX SE = 4.00% (OLD PLANS)

$L_1 = 29.28m$
TR = 10.98m
PR SE = 4.00%
SE TRANS:
LT STA 7+061.010 TO LT STA 7+079.310
RT STA 7+039.050 TO RT STA 7+079.310
LT STA 7+263.007 TO LT STA 7+281.307
RT STA 7+263.007 TO RT STA 7+303.267



LEGEND

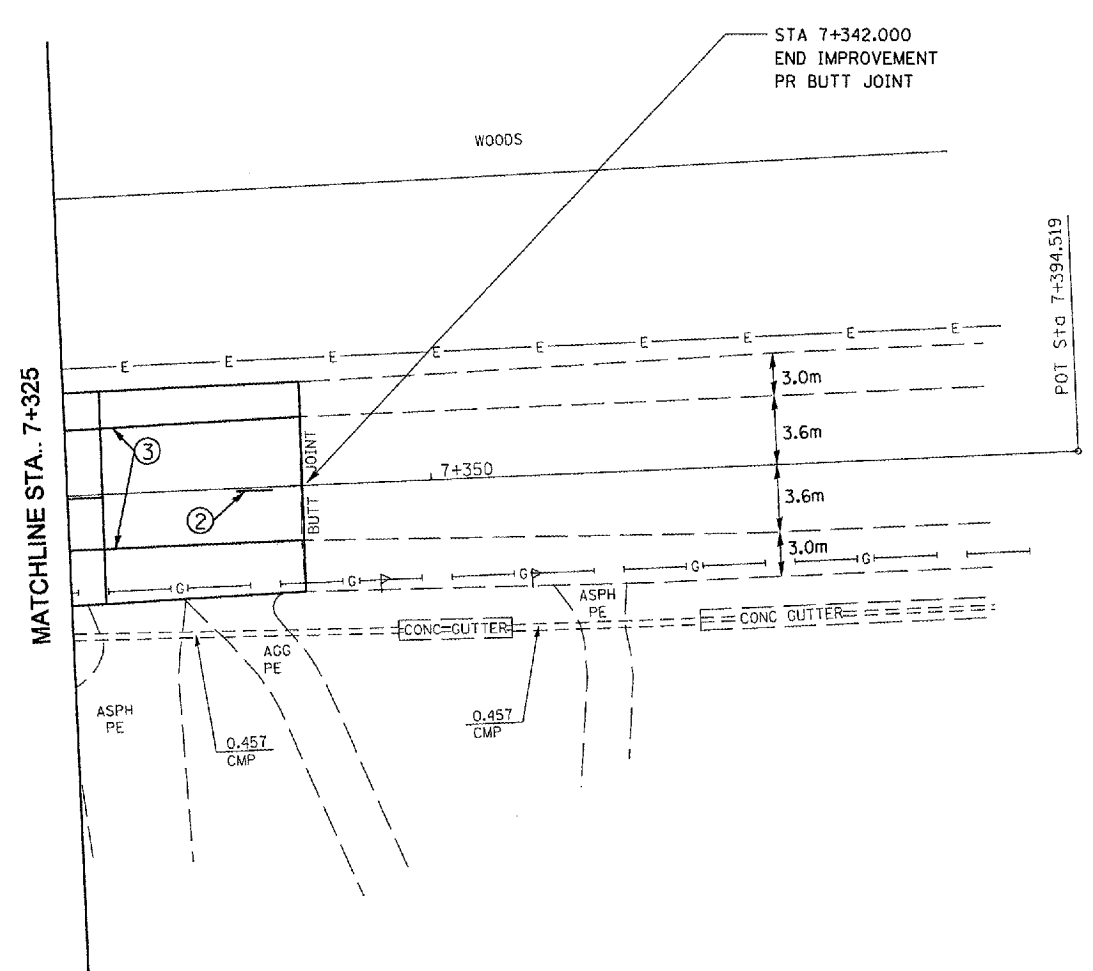
- ① PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID YELLOW)
- ② PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SKIP-DASH YELLOW)
- ③ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID WHITE)
- ④ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 150mm (SOLID WHITE)
- ⑤ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 300mm (SOLID YELLOW)
- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY
CHECKED BY
DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	33
STA. 7+325		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



LEGEND

- ① PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID YELLOW)
- ② PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SKIP-DASH YELLOW)
- ③ PR THERMOPLASTIC PAVEMENT MARKING, LINE - 125mm (SOLID WHITE)
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- ⑥ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE - 600mm (SOLID WHITE)
- ⑦ PR PREFORMED PLACTIC PAVEMENT MARKING, LETTERS & SYMBOLS (WHITE)

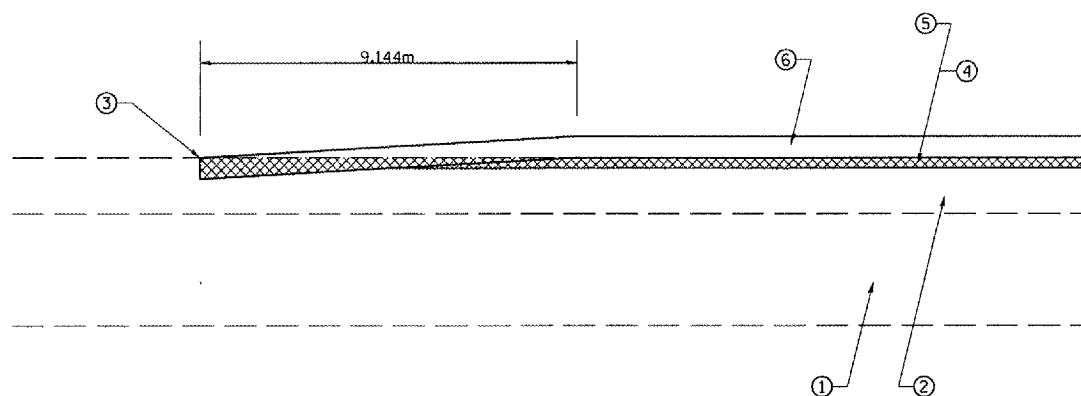
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEETS
SECTION : 21RS-4; 24RS-7
MONTGOMERY COUNTY
DRAWN BY _____
CHECKED BY _____
DATE _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	*	MONTGOMERY	39	34
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444

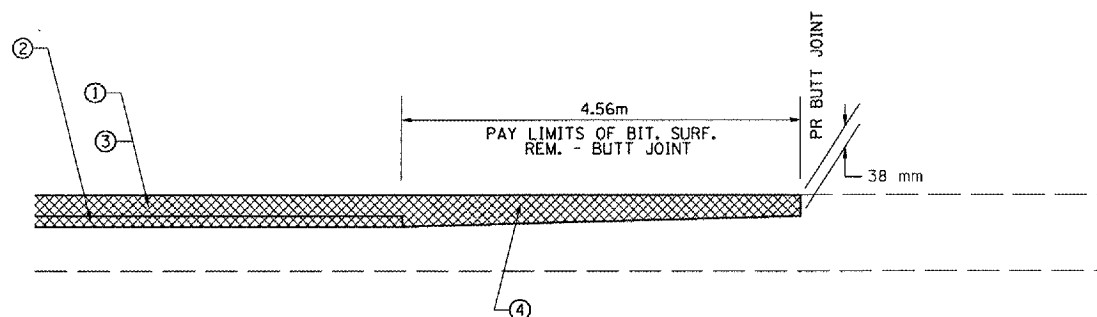
LOCATION
STA. 4 + 015.860 TO STA. 4 + 025.000
STA. 7 + 327.836 TO STA. 7 + 341.552



LEGEND

- ① EXISTING PCC PAVEMENT (203mm -152mm-203mm)
- ② EXISTING BITUMINOUS OVERLAY -
- ③ PROP. SAW CUT - 38mm MINIMUM
- ④ PROP. BITUMINOUS SURFACE REMOVAL - VAR. DEPTH
- ⑤ PROP. LEVELING BINDER (MACH. METHOD), SUPERPAVE, IL-9.5, N70 - 19mm
- ⑥ PROP. BIT. CONC. SURF. CSE., SUPERPAVE, MIX D, N50 - 38mm

LOCATION
STA. 7 + 342.000



LEGEND

- ① PR BITUMINOUS SURFACE REMOVAL, 60 mm
- ② PR LEVEL. BINDER, 19 mm AVG.
- ③ PR BITUMINOUS CONCRETE SURF. CSE, 38 mm
- ④ PR BITUMINOUS SURF. REMOVAL - BUTT JOINT
PR BITUMINOUS CONCRETE SURF. CSE. (57 mm TO 38 mm)

REVISIONS	
NAME	DATE

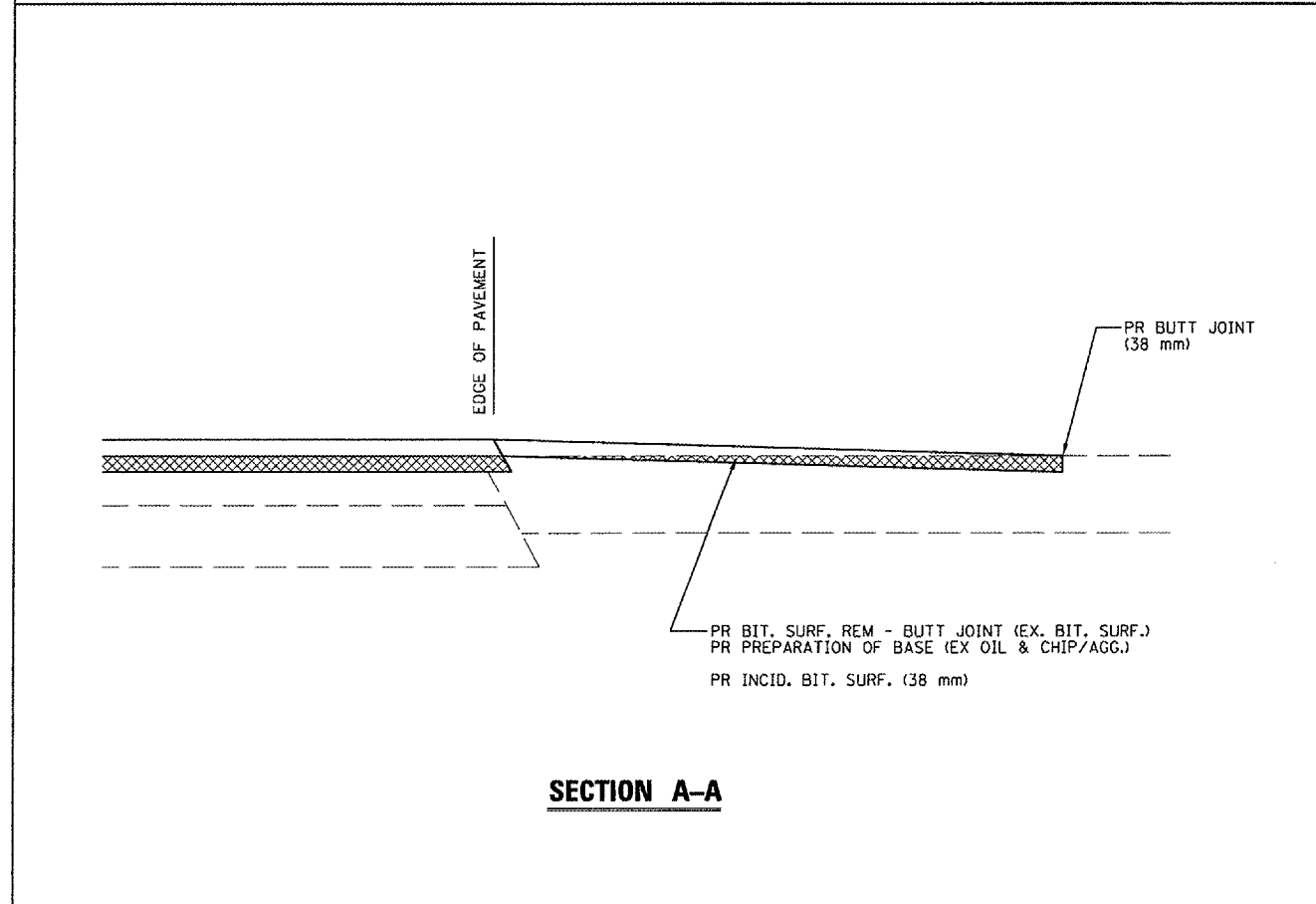
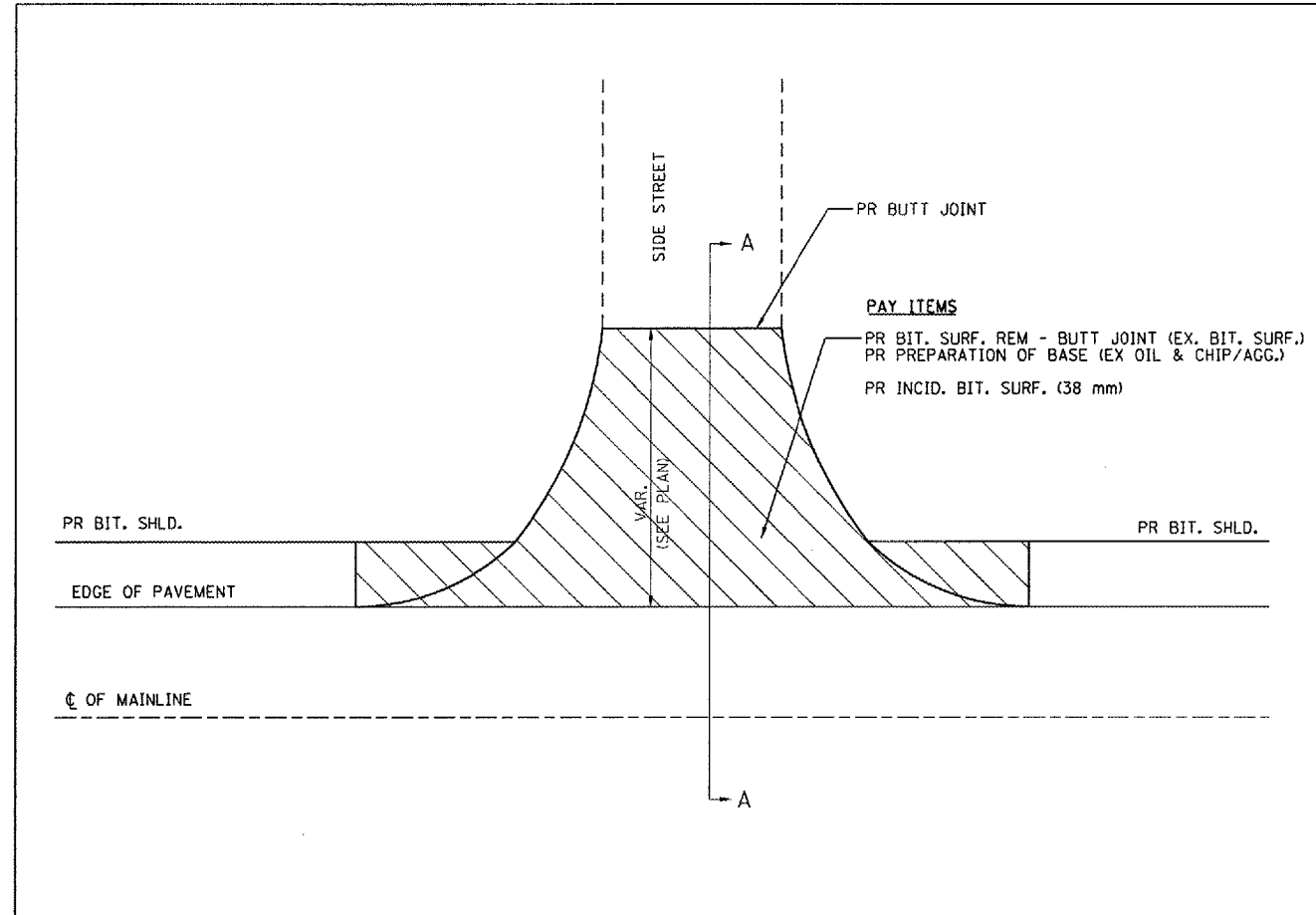
ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT DETAILS

DRAWN BY
 CHECKED BY
 DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	*	MONTGOMERY	39	35
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444



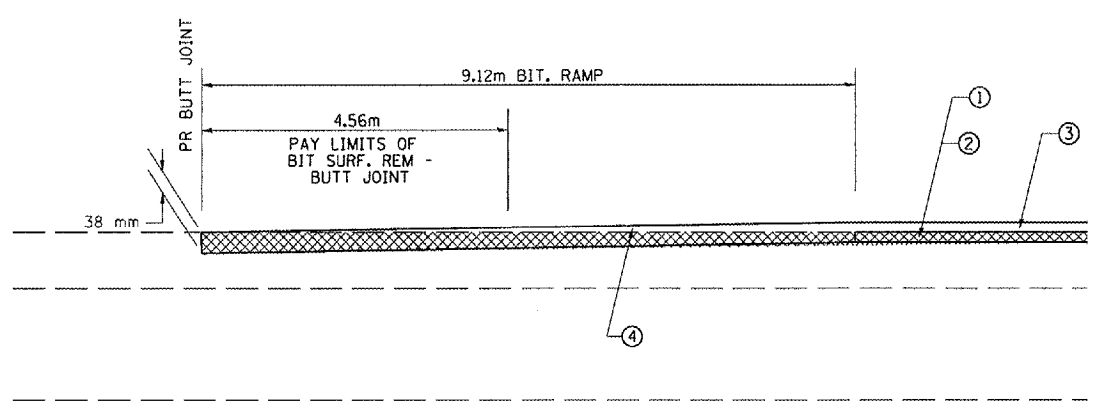
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIDEROAD TREATMENT DETAILS
DRAWN BY
DATE
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	36
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 21RS-4; 24RS-7
CONTRACT NO. 72444

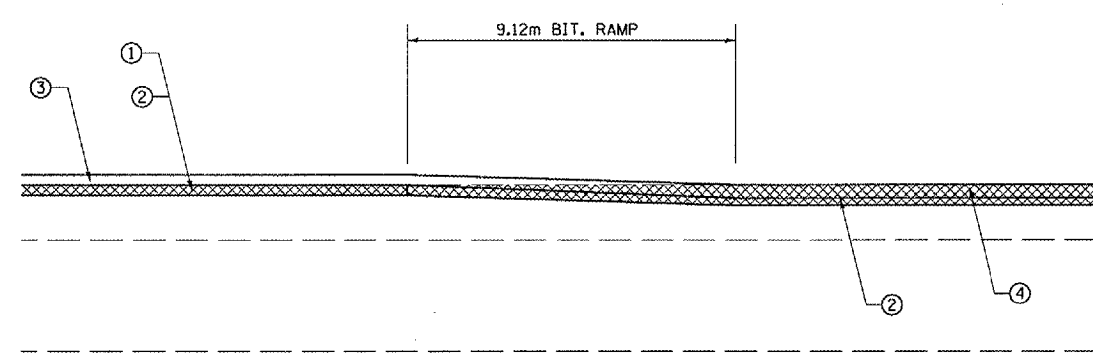
LOCATION
STA. 4+015.000 TO STA 4+024.120



LEGEND

- ① PR BITUMINOUS SURFACE REMOVAL, VAR. DEPTH (19 mm AVG @ ϕ)
- ② PR LEVEL. BINDER, 19 mm AVG.
- ③ PR BITUMINOUS CONCRETE SURF. CSE, 38 mm
- ④ PR BITUMINOUS CONCRETE SURF. CSE. (38 mm TO 57 mm)

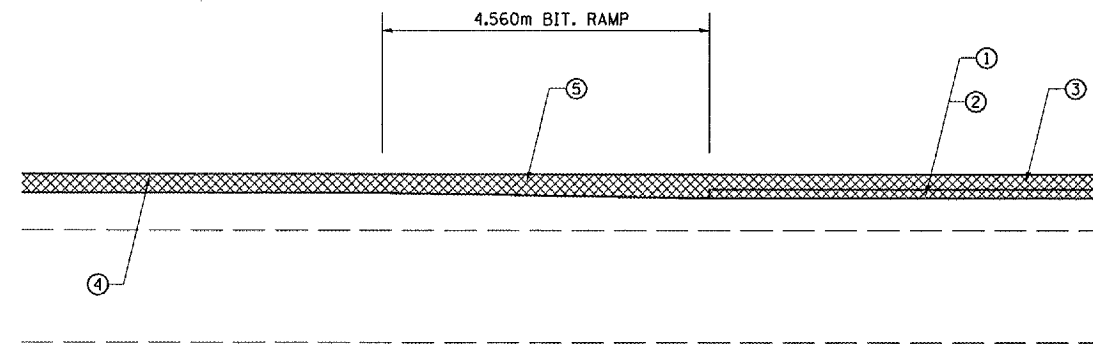
LOCATION
STA. 4+914.000 TO STA 4+923.140



LEGEND

- ① PR BITUMINOUS SURFACE REMOVAL, VAR. DEPTH (19 mm AVG @ ϕ)
- ② PR LEVEL. BINDER, 19 mm AVG.
- ③ PR BITUMINOUS CONCRETE SURF. CSE, 38 mm
- ④ PR BITUMINOUS CONCRETE SURF. REM, 60 mm
PR BITUMINOUS CONCRETE SURF. CSE, 38 mm

LOCATION
STA. 5+032.617 TO STA 5+037.177 (ROTATED 180 DEGREE)
STA 5+314.974 TO STA 5+319.534



LEGEND

- ① PR BITUMINOUS SURFACE REMOVAL, 60 mm
- ② PR LEVEL. BINDER, 19 mm AVG.
- ③ PR BITUMINOUS CONCRETE SURF. CSE, 38 mm
- ④ PR BITUMINOUS CONCRETE SURF. REM, 40 mm
PR BITUMINOUS CONCRETE SURF. CSE, 38 mm
- ⑤ PR BITUMINOUS CONCRETE SURF. CSE (38 mm TO 57 mm)

REVISIONS	
NAME	DATE

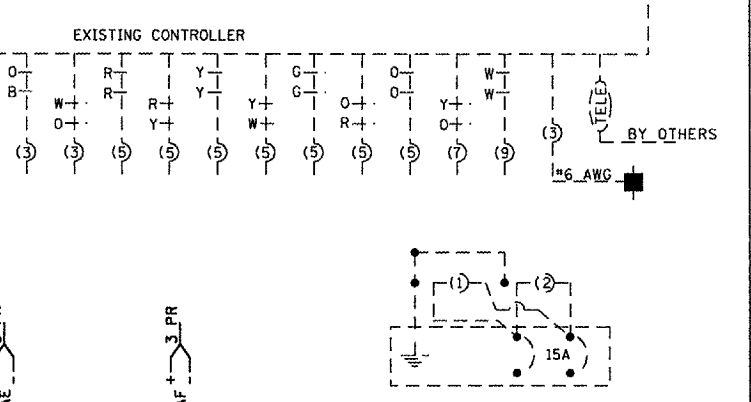
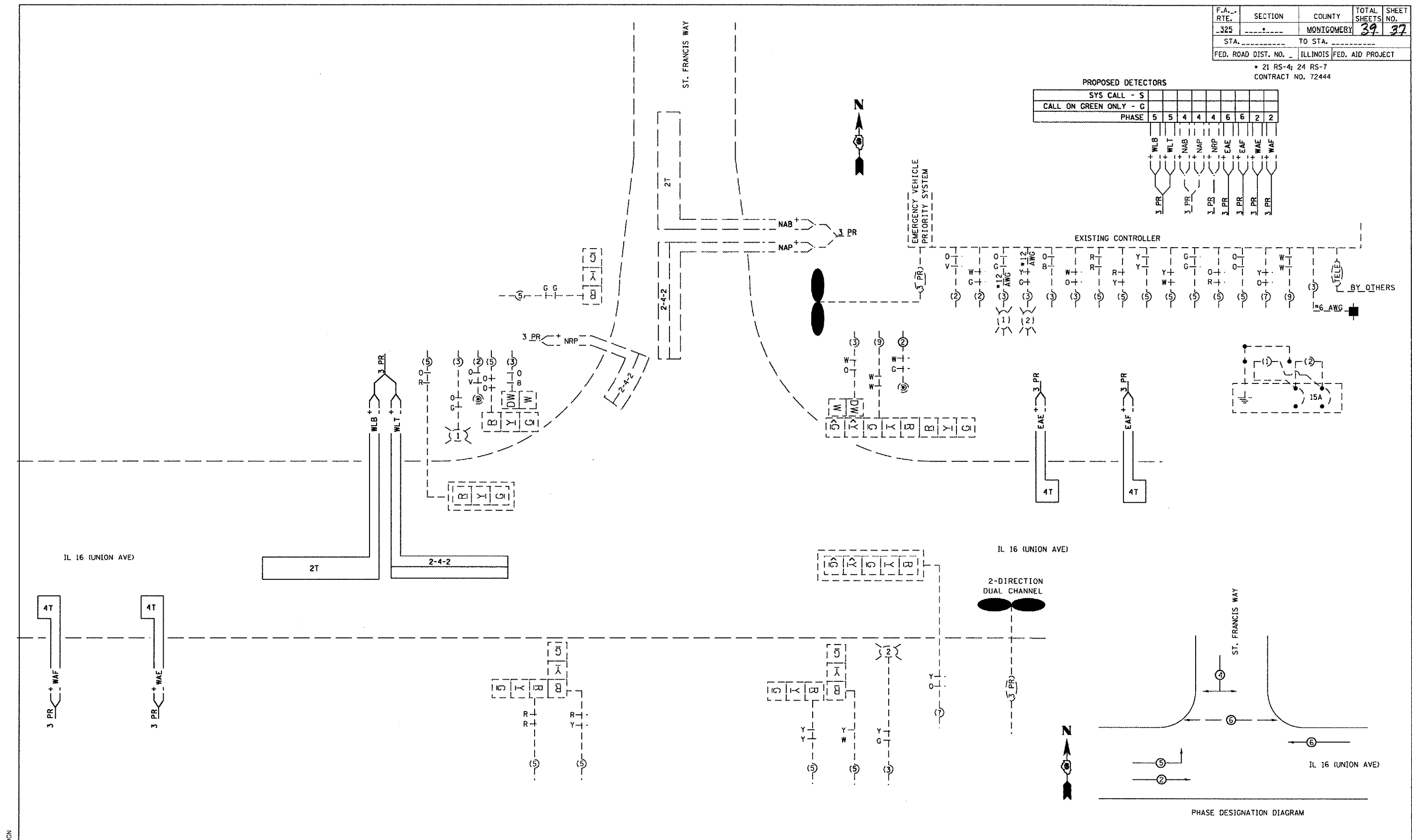
ILLINOIS DEPARTMENT OF TRANSPORTATION
BITUMINOUS RAMP DETAILS
DRAWN BY
CHECKED BY
DATE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	37
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

* 21 RS-4; 24 RS-7
CONTRACT NO. 72444

PROPOSED DETECTORS

SYS CALL - S										
CALL ON GREEN ONLY - G										
PHASE	5	5	4	4	4	6	6	2	2	
	WLB	WLT	NAB	NAP	NRP	EAE	EAF	WAE	WAF	
	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION PROPOSED CABLE DIAGRAM
NAME	DATE	
		DRAWN BY _____ CHECKED BY _____ DATE _____

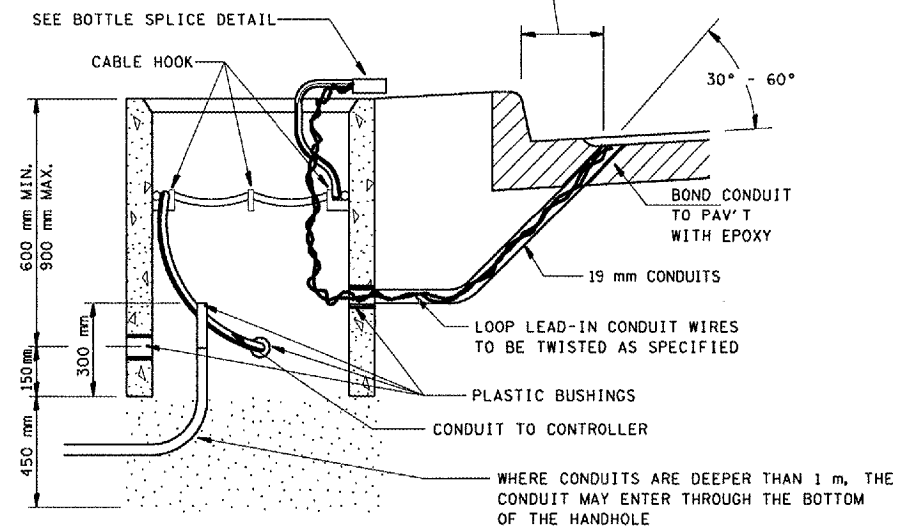
•DGN-SPEC*
•DATE-TIME*
•REF-1
•REF-2
•REF-3
PROJECT: 0563898 FILE:0563898.DGN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		MONTGOMERY	39	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

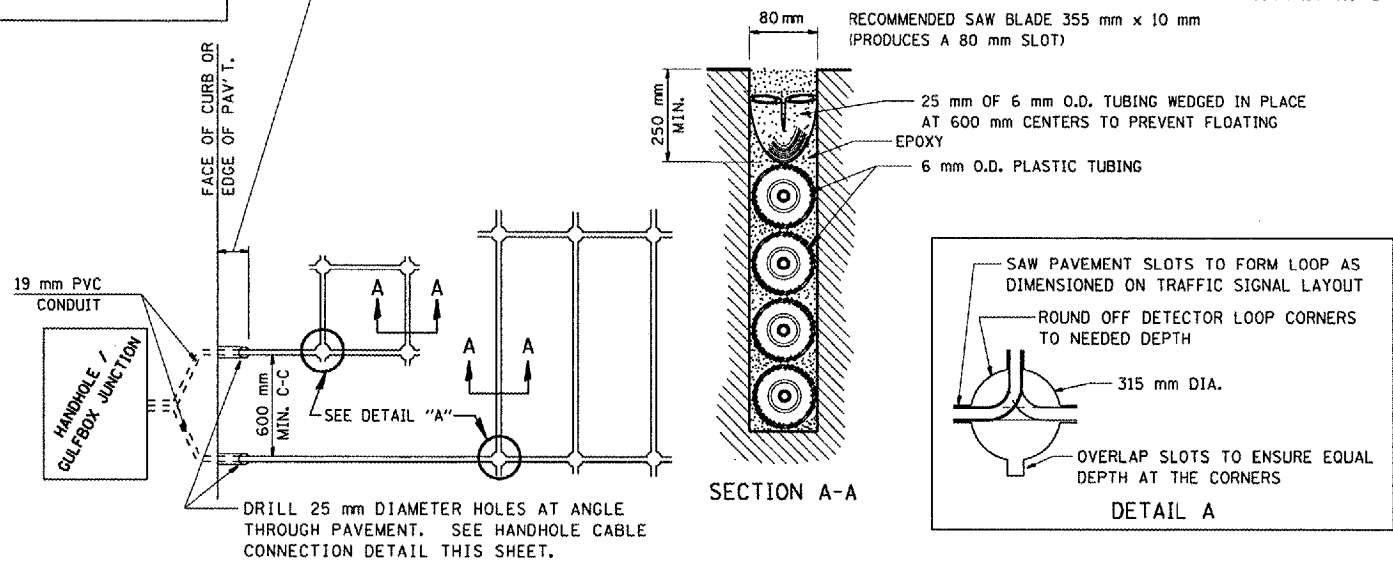
* 21 RS-4; 24 RS-7
CONTRACT NO. 72444

LENGTH OF SLACK FOR LOOP LEAD-INS SHALL PROVIDE FOR MAKING THE SPLICE ON TOP OF THE HANDHOLE AND ONE COMPLETE LOOP OF THE INTERIOR OF THE HANDHOLE, THE SPLICE SHALL BE SUPPORTED BY A CABLE HOOK.

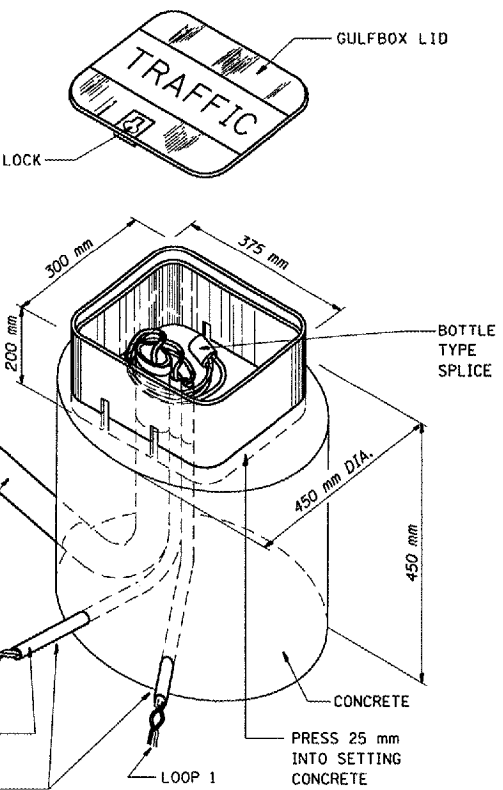
THE LOOP LEAD-IN CONDUIT HOLES SHALL BE PLACED AS CLOSE TO THE CURB AS POSSIBLE TO PERMIT SAW OVERLAP WITHOUT SCARRING FACE OF CURB.
IN NON-CURB LOCATIONS THE DISTANCE SHALL NOT BE LESS THAN 150 mm.



HANDHOLE CABLE CONNECTIONS

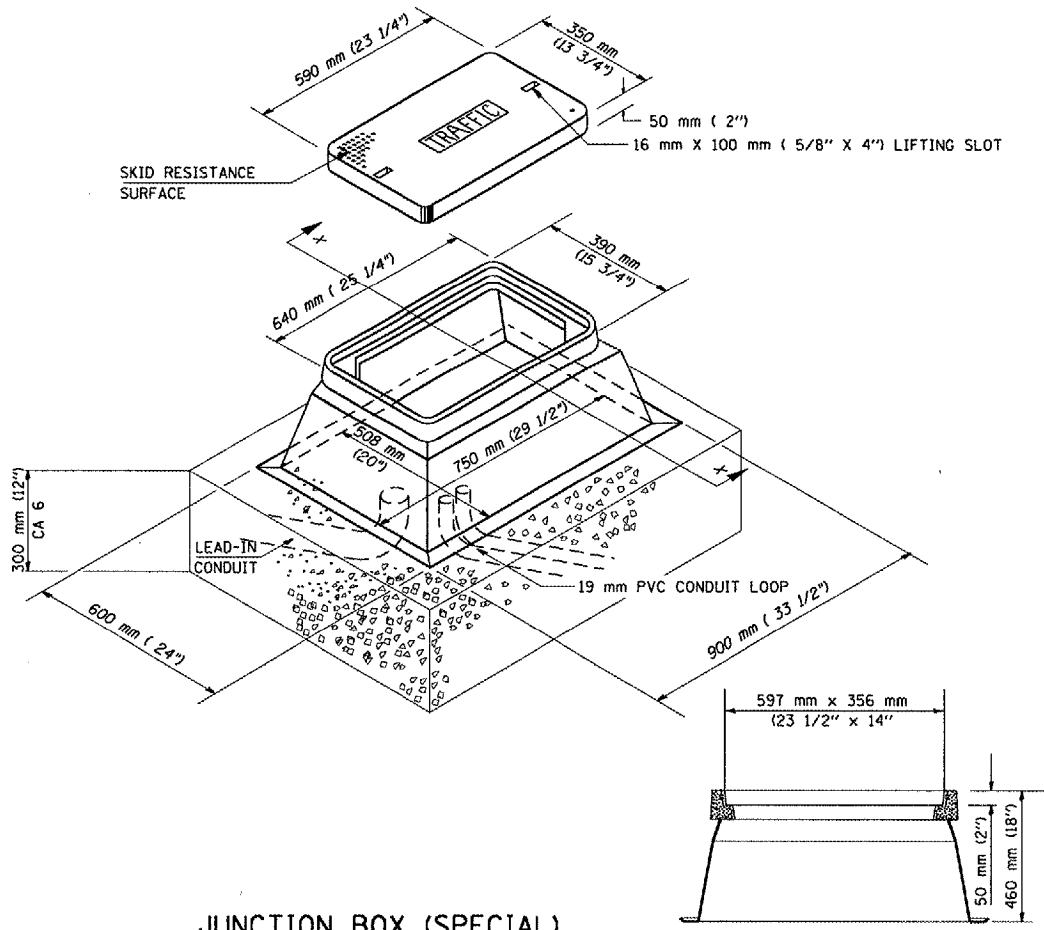


PAVEMENT SAWING DETAIL FOR TUBE ENCASED DETECTOR LOOP WIRE

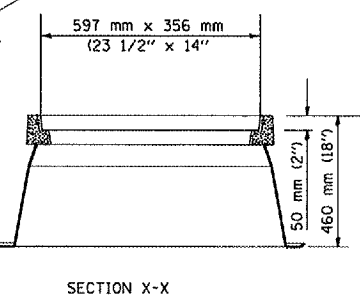


GULFBOX JUNCTION DETAIL

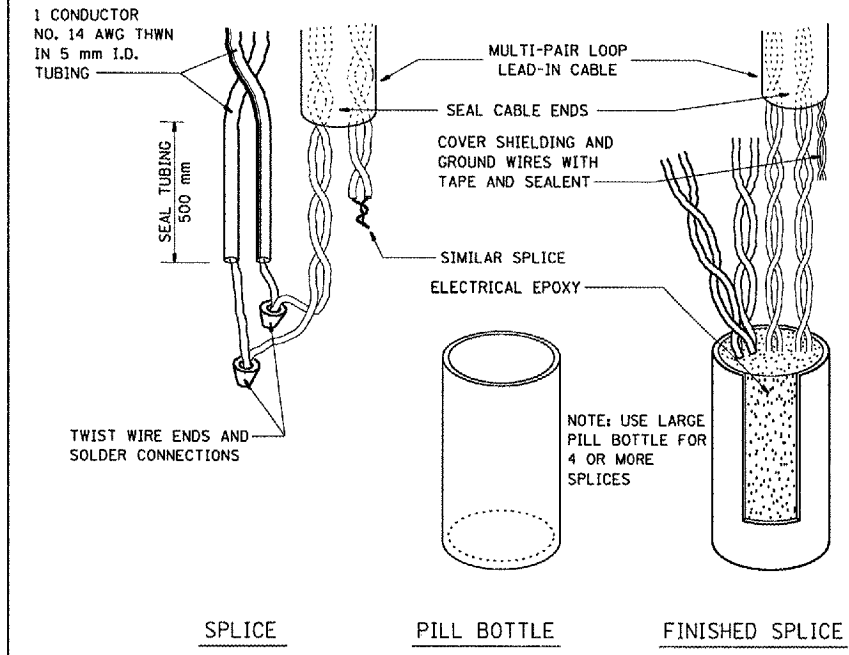
(SHOWING CONNECTION OF TUBE-ENCASED DETECTOR LOOP TO MULTI-PAIR LEAD-IN CABLE)



JUNCTION BOX (SPECIAL)



SECTION X-X

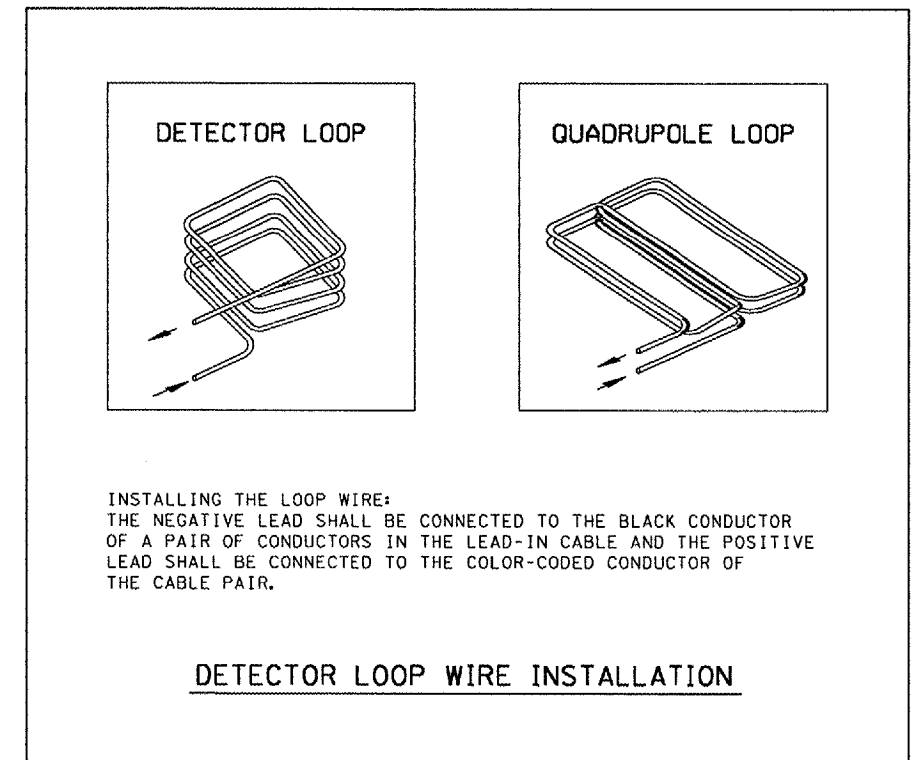


BOTTLE SPLICE DETAIL

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SIGNAL DETECTOR LOOP DETAILS
NAME	DATE	

DGN-SPEC
 DATE-TIME
 REF
 REF
 REF
 PROJECT: D062898 FILE: D062898.DGN

LOOP DESIGNATION	NUMBER OF TURNS	READING @ HANDHOLE OR JUNCTION BOX				READING @ CONTROLLER				LOOP DESIGNATION	NUMBER OF TURNS	READING @ HANDHOLE OR JUNCTION BOX				READING @ CONTROLLER			
		CALCULATED		METERED		CALCULATED		METERED				CALCULATED		METERED		CALCULATED		METERED	
		$\mu\eta$	Ω	$\mu\eta$	Ω	$\mu\eta$	Ω	$\mu\eta$	Ω			$\mu\eta$	Ω	$\mu\eta$	Ω	$\mu\eta$	Ω	$\mu\eta$	Ω
WLB	2	185	0.71			195	2.29												
WLT	2-4-2	359	1.09			370	2.67												
NAB (EXIST)	2	166	0.67			167	0.84												
NAP (EXIST)	2-4-2	266	0.87			267	1.04												
NRP (EXIST)	2-4-2	116	0.41			123	1.48												
EAE	4	138	0.33			155	2.76												
EAF	4	139	0.34			169	4.77												
WAE	4	138	0.32			165	4.39												
WAF	4	138	0.32			179	6.36												



- DETECTOR NOTES:
1. THE DETECTOR LOOP SHALL BE CENTERED IN THE LANE IN WHICH IT IS SHOWN. ANY ADJUSTMENTS ARE TO BE MADE ONLY AT THE DIRECTION OF THE ENGINEER.
 2. THE DETECTOR LOOPS SHALL CONSIST OF THE NUMBER OF TURNS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
 3. ACCEPTANCE OF THE LOOPS AS METERED SHALL BE DETERMINED BY THE ENGINEER.
 4. ALL DETECTOR WIRES SHALL BE MARKED WITH WATERPROOF LABELS USING THE WIRING IDENTIFICATION SHOWN ON THE PLANS. THE + AND - OF EACH LOOP MUST BE USED TO IDENTIFY CURRENT FLOW. ALWAYS CONNECT THE BLACK WIRE OF EACH PAIR TO THE NEGATIVE (-) LOOP WIRE.
 5. ALL QUADRUPOLE LOOPS SHALL BE 2-4-2 DESIGN.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SIGNAL DETECTOR LOOP DETAILS
NAME	DATE	

DRAWN BY
CHECKED BY
DATE