

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	9RS-2, 10RS-4	SHELBY	46	1
ILLINOIS CONTRACT NO. 74460				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 325 (IL. RTE. 16)
SECTION 9RS-2, 10RS-4
PROJECT: ACF-0325(054)
RESURFACING (3P)
SHELBY COUNTY

C-97-102-10

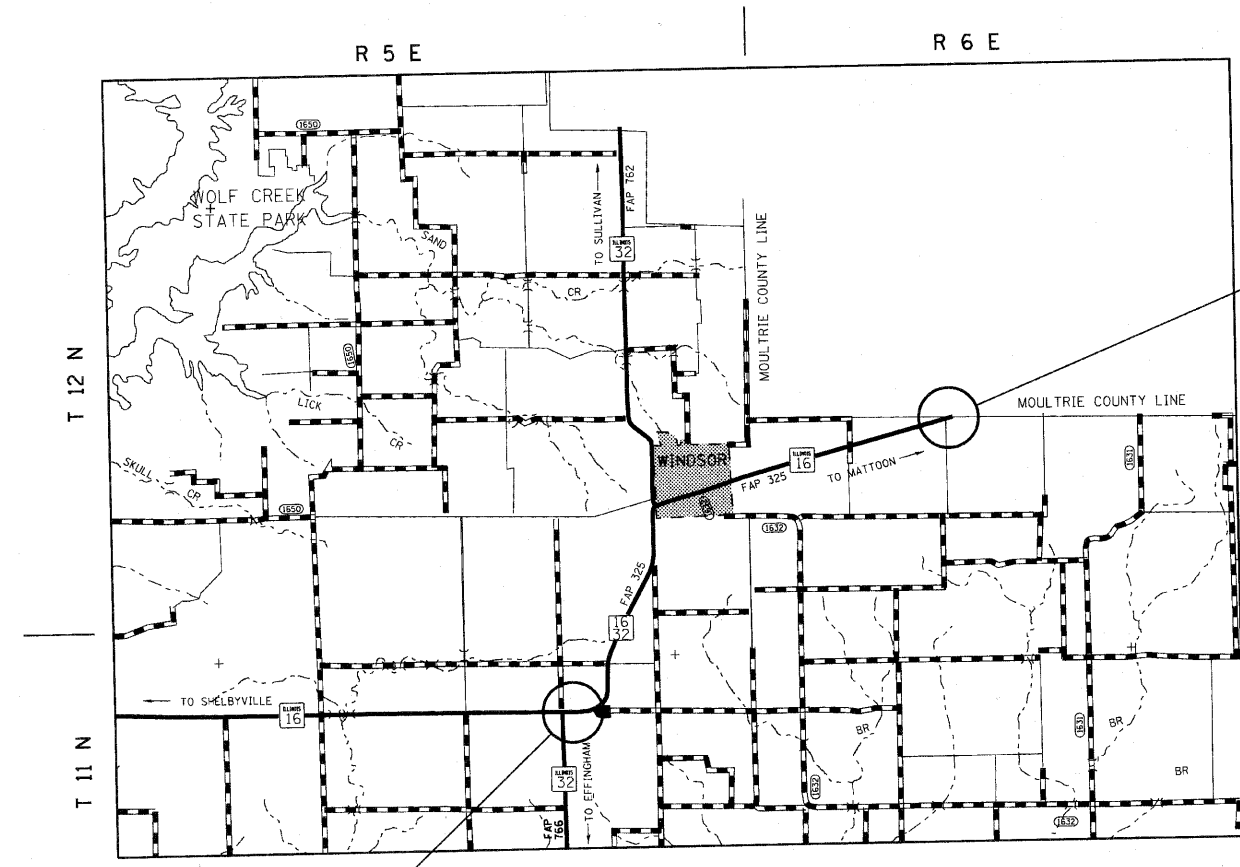
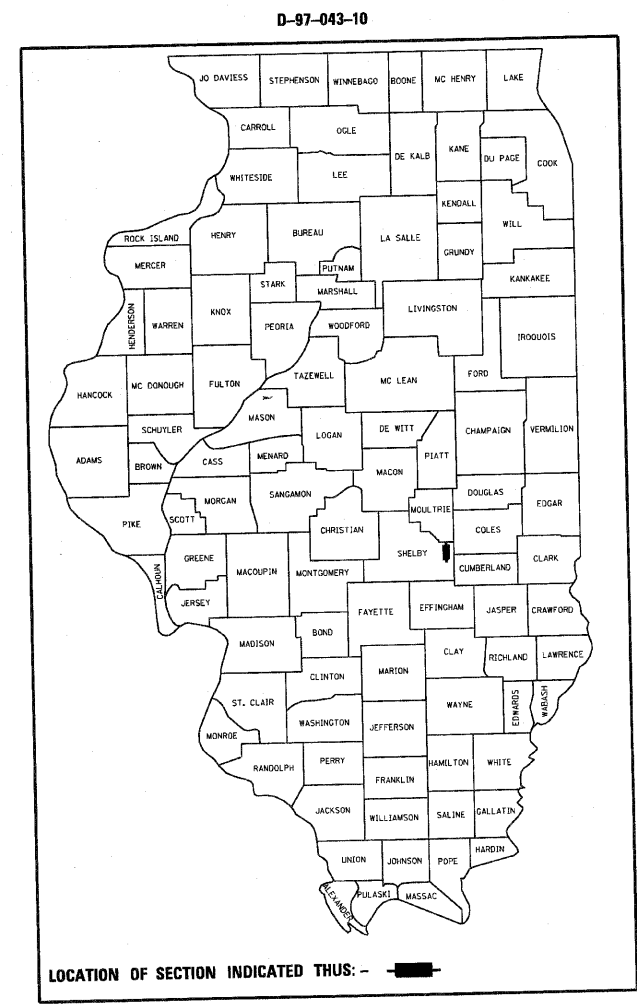
FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATION EQUATIONS:

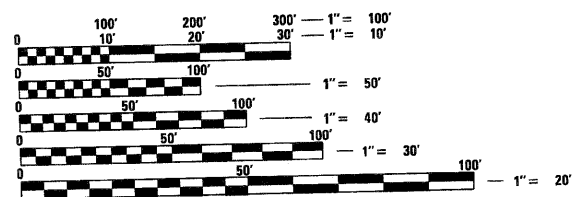
STA. 605+69.66 (BK) = STA. 611+96.43 (AH)
STA. 628+35.11 (BK) = STA. 619+69.93 (AH)
STA. 675+21.99 (BK) = STA. 675+28.49 (AH)
STA. 704+16.48 (BK) = STA. 705+32.38 (AH)
STA. 742+29.25 (BK) = STA. 552+87.07 (AH) *

* STATIONING AT STA. 552+87.07 RUNS EAST TO WEST

ADT = 3800 (2009)



PROJECT ENDS:
STATION 424 + 58.40



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: TOM RONAN
PROJECT MANAGER: JEFF DAVISON

CONTRACT NO. 74460

PROJECT BEGINS:
STATION 574 + 00.00

GROSS LENGTH = 29,846.7 FT. = 5.7 MILE
NET LENGTH = 29,846.7 FT. = 5.7 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Oct 22, 2010
Don D. Dinkell
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Dec 10, 2010
Scott E. Stitt P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

Dec 10, 2010
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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4-11	TYPICAL SECTIONS
12-16	SCHEDULES
17-33	PLAN SHEETS
34-37	PAVEMENT STRIPING SHEETS
38-46	DISTRICT DETAILS

STANDARDS IN THE PLANS

000001-00	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
604006-04	FRAME AND GRATE, TYPE 3
606001-04	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
642001-01	SHOULDER RUMBLE STRIPS
701006-03	OFF-ROAD OPERATIONS, 2L, 2W 4.5M(15') TO 600mm(24") AWAY FROM PAVEMENT EDGE
701011-02	OFF-ROAD MOVING OPERATIONS, 2L, 2W DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701336-00	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS > 45 MPH
701501-00	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKINGS

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2011, AND THE SPECIAL PROVISIONS INCLUDED IN THIS PROPOSAL.

THE WORK INCLUDED IN THIS SECTION CONSISTS OF PAVEMENT PATCHING, MILLING, PLACEMENT OF HOT-MIX ASPHALT LEVEL BINDER AND SURFACE COURSE, AGGREGATE SHOULDERS, PAVEMENT MARKING, AND ANY OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

THE CONTRACTOR SHALL USE EITHER RC-70, SSIH, OR SS-1HP, APPLIED AT THE RATE DIRECTED BY THE ENGINEER, FOR THE PAY ITEM BITUMINOUS MATERIALS (PRIME COAT).

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESSIBILITY TO THE HOT-MIX ASPHALT PLANT QUALITY CONTROL LAB SO THAT HOT-MIX ASPHALT PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK SHALL BE INCLUDED IN THE COST OF ALL HOT-MIX ASPHALT ITEMS.

VIBRATORY ROLLERS IN DYNAMIC MODE WILL NOT BE PERMITTED FROM STA. 697+00 TO STA. 547+47.90. DENSITY REQUIREMENTS MUST STILL BE MET.

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE HOT-MIX ASPHALT SURFACE COURSE.

THE PAY ITEMS TEMPORARY RAMP & TEMPORARY RAMP, SPECIAL HAVE BEEN INCLUDED FOR THE CONSTRUCTION OF TEMPORARY RAMPS IN ACCORDANCE WITH ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS AND AS SPECIFIED IN THE SPECIAL PROVISIONS. THE COST SHALL INCLUDE BOTH THE INSTALLATION AND THE REMOVAL OF THE TEMPORARY RAMPS.

THE MATERIAL USED FOR AGGREGATE SHOULDERS, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE, OR RAP. THE MATERIAL USED FOR AGGREGATE SURFACE COURSE, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE.

THE EXISTING PAVEMENT SHALL BE PATCHED IN ACCORDANCE WITH SECTION 442 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. THE QUANTITY OF PATCHING SHOWN ON THE PLANS IS AN ESTIMATE ONLY. THE FINAL LOCATIONS AND QUANTITY SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

GENERAL NOTES (Cont'd)

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED SURFACE, BITUMINOUS MATERIALS (PRIME COAT), LEVEL BINDER AND HOT-MIX ASPHALT SURFACE COURSE AS SPECIFIED IN SECTION 703 OF THE STANDARD SPECIFICATIONS. TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 781 OF THE STANDARD SPECIFICATIONS.

ALL EXISTING RAISED REFLECTIVE PAVEMENT MARKERS WITHIN THE PROJECT LIMITS SHALL BE REMOVED PRIOR TO RESURFACING ON THE BARE CONCRETE PAVEMENT. THE HOLES LEFT IN THE PAVEMENT AFTER REMOVING THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE FILLED WITH A MATERIAL ACCEPTABLE BY THE ENGINEER PRIOR TO ANY RESURFACING OPERATIONS. THE REMOVAL OF THE EXISTING RAISED REFLECTIVE PAVEMENT MARKERS AND FILLING OF THE HOLES WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE:	PAVEMENT PATCHING
APPLICATION:	HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	1L-19.0
FRICTION AGGREGATE:	N/A

MIXTURE USE:	SURFACE COURSE (1 1/2")
APPLICATION:	POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX C, N70
PG GRADE:	PG 70-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 90
MIXTURE COMPOSITION:	1L-9.5
FRICTION AGGREGATE:	MIXTURE C

MIXTURE USE:	SURFACE COURSE (1 1/2")
APPLICATION:	HOT MIX ASPHALT SURFACE COURSE, MIX C, N70
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	1L-9.5
FRICTION AGGREGATE:	MIXTURE C

MIXTURE USE:	LEVELING BINDER (3/4")
APPLICATION:	LEVELING BINDER (MACHINE METHOD) N70
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	1L-9.5
FRICTION AGGREGATE:	MIXTURE C

MIXTURE USE:	INCIDENTAL HMA
APPLICATION:	HOT MIX ASPHALT SURFACE COURSE, MIX C, N70
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	1L-9.5
FRICTION AGGREGATE:	MIXTURE C

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

HOT MIX ASPHALT	112 LBS/SQ YD/IN
BITUMINOUS MATERIALS PRIME COAT	0.10 GALLONS/SQ YD
AGGREGATE PRIME COAT	2.00 LBS/SQ YD
GRANULAR MATERIAL	2.05 TONS/CU YD

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	PLOT DATE = #DATE#	CHECKED -	REVISED -				CONTRACT NO. 74460					
		DATE -	REVISED -				ILLINOIS FED. AID PROJECT					

80% FED.
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE
CODE NO	ITEM	UNIT		0005
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	141	141
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	10385	10385
40600300	AGGREGATE (PRIME COAT)	TON	202	202
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	3779	3779
40600895	CONSTRUCTING TEST STRIP	EACH	1	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	268	268
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	137	137
40600990	TEMPORARY RAMP	SQ YD	351	351
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	3781	3781
40603520	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N90	TON	3319	3319
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	164	164
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	12042	12042
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	204	204
44022029	PARTIAL DEPTH REMOVAL 3"	SQ YD	257	257
44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	112	112
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	1156	1156
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	88	88
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	427	427
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	105	105
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	330	330
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	303	303
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	155	155
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	43	43
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	29	29
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1874	1874
48203004	HOT-MIX ASPHALT SHOULDERS, 1 3/4"	SQ YD	15925	15925
48203007	HOT-MIX ASPHALT SHOULDERS, 2 1/2"	SQ YD	3038	3038
60250600	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	23	23
60253200	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	2	2

80% FED.
20% STATE

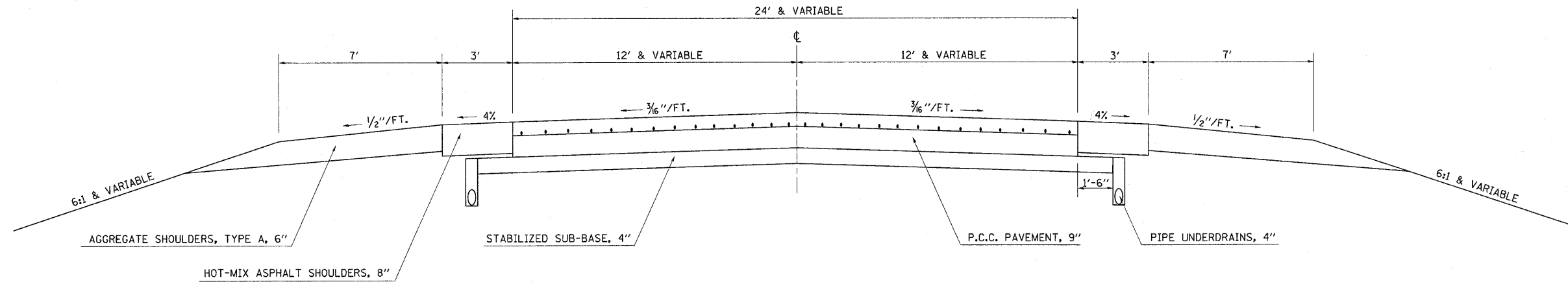
SUMMARY OF QUANTITIES (Cont'd)			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE
CODE NO	ITEM	UNIT		0005
60605100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6, 24 (ABUTTING EXISTING PAVEMENT)	FOOT	204	204
64200105	SHOULDER RUMBLE STRIPS	FOOT	48619	48619
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	11411	11411
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	31	31
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	62759	62759
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	147	147
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	563	563
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	32911	32911
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	56686	56686
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	154	154
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	447	447
X4060995	TEMPORARY RAMP, SPECIAL	SQ YD	657	657
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	56112	56112
X4421000	PARTIAL DEPTH PATCHING	TON	62	62
* X7800605	URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	31	31
* X7800610	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	6073	6073
* X7800630	URETHANE PAVEMENT MARKING - LINE 6"	FOOT	147	147
* X7800650	URETHANE PAVEMENT MARKING - LINE 12"	FOOT	409	409
Z0012500	CONCRETE CURB REPAIR	FOOT	33	33
Z0023602	GRANULAR CULVERT BACKFILL	CU YD	50	50
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	12	12

*specialty items

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EXISTING TYPICAL CROSS SECTION

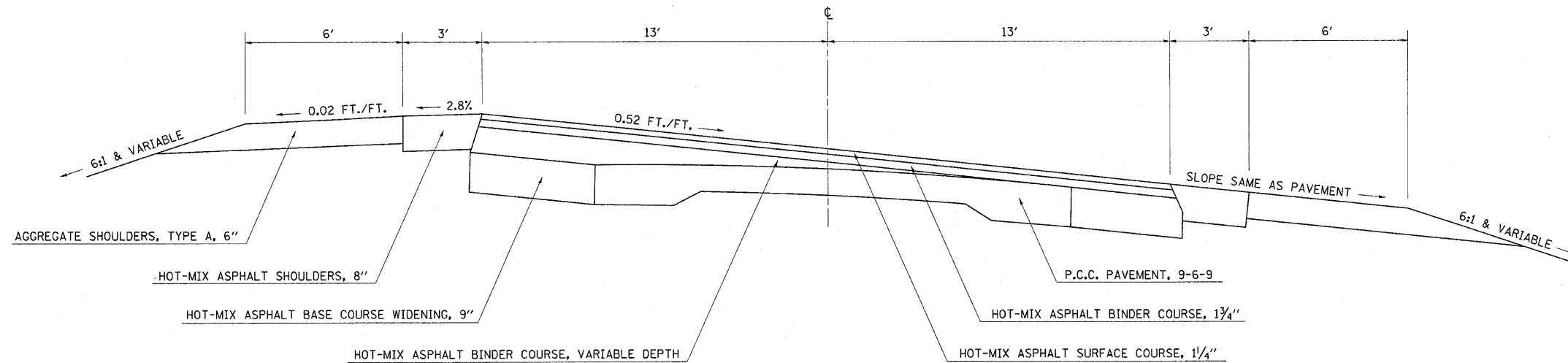
STA. 574+00 TO STA. 613+30
STA. 664+68 TO STA. 676+62



NOTE: NOT DRAWN TO SCALE

EXISTING TYPICAL CROSS SECTION

STA. 613+30 TO STA. 628+35

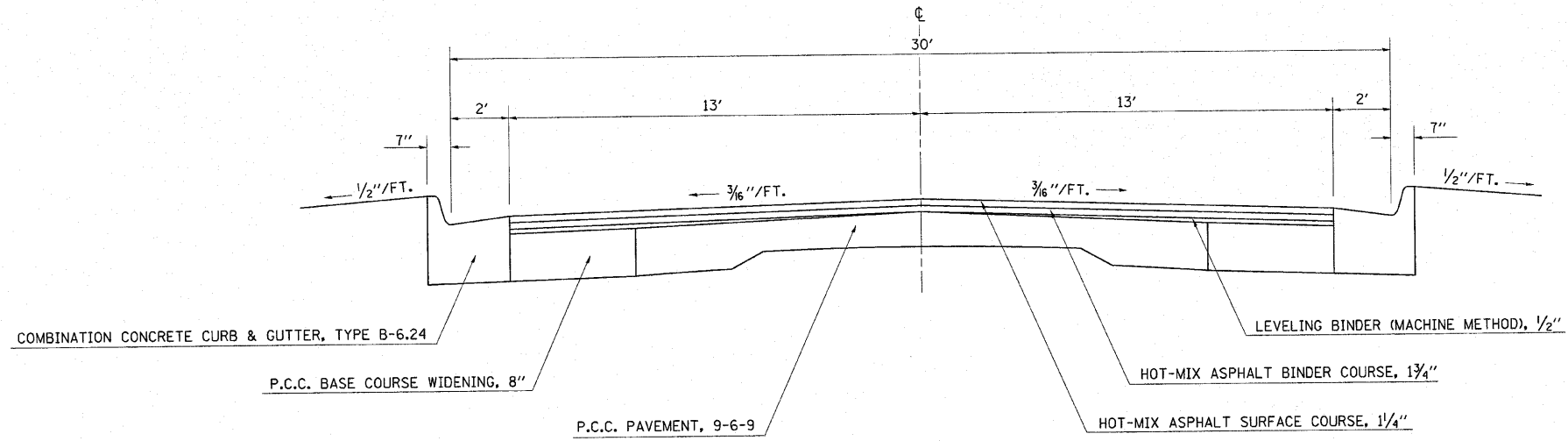


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		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

EXISTING TYPICAL CROSS SECTION

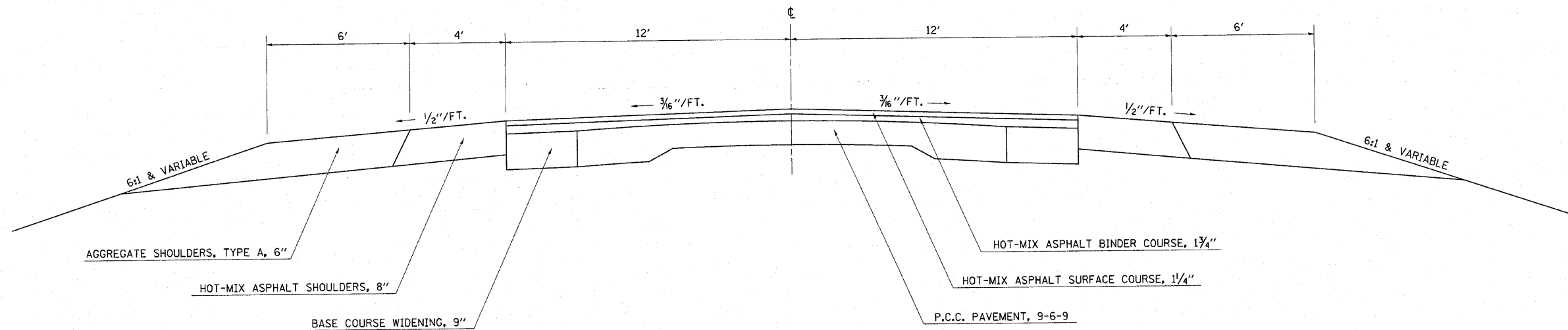
STA. 706+00 TO STA. 547+68



NOTE: NOT DRAWN TO SCALE

EXISTING TYPICAL CROSS SECTION

STA. 547+68 TO STA. 543+60

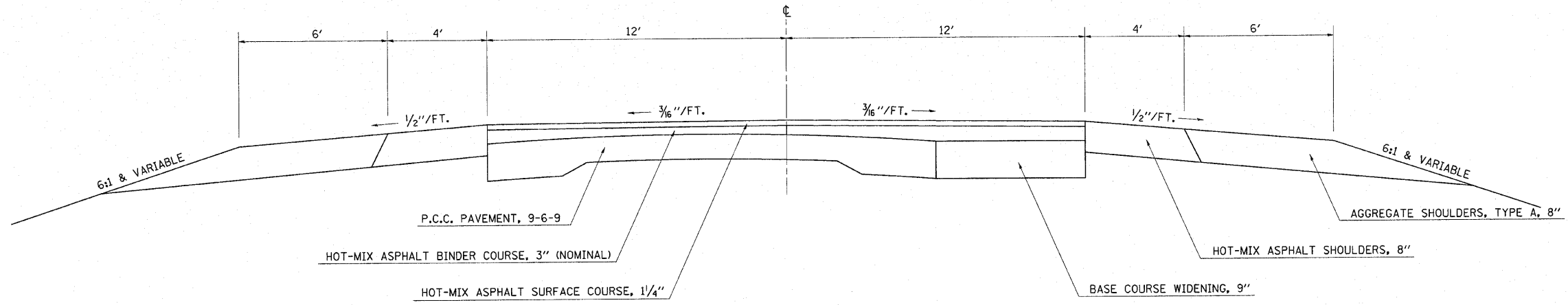


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EXISTING TYPICAL CROSS SECTION

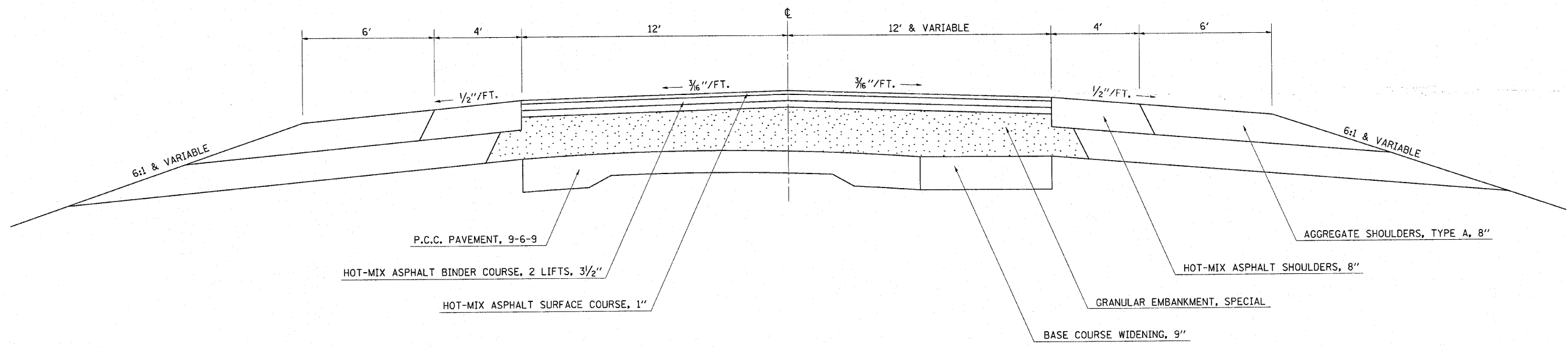
STA. 543+60 TO STA. 509+09
 STA. 501+09 TO STA. 486+31
 STA. 474+67 TO STA. 430+68



NOTE: NOT DRAWN TO SCALE

EXISTING TYPICAL CROSS SECTION

STA. 486+31 TO STA. 474+67
 STA. 430+68 TO STA. 424+58.40

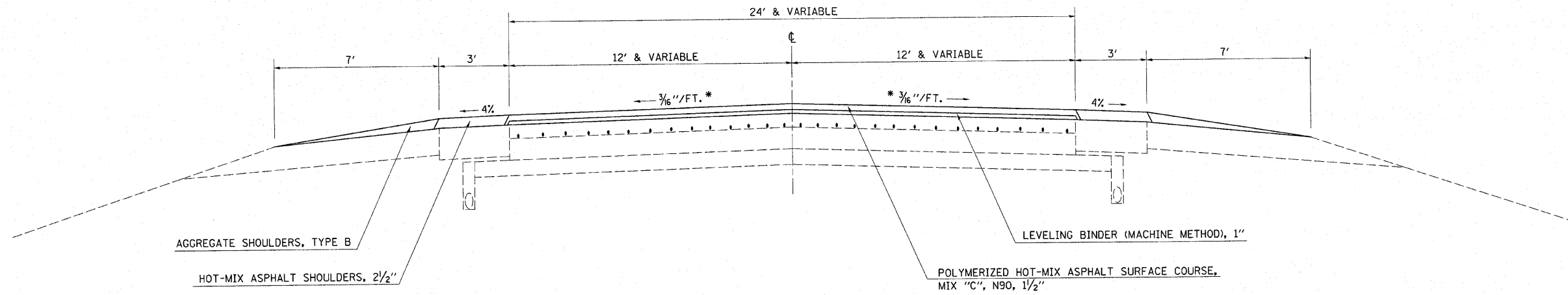


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	PLOT DATE = 10/22/2010	DATE -	REVISED -									
							ILLINOIS FED. AID PROJECT					
							CONTRACT NO. 74460					

① PROPOSED TYPICAL CROSS SECTION

STA. 574+00 TO STA. 613+30
 STA. 664+68 TO STA. 676+62

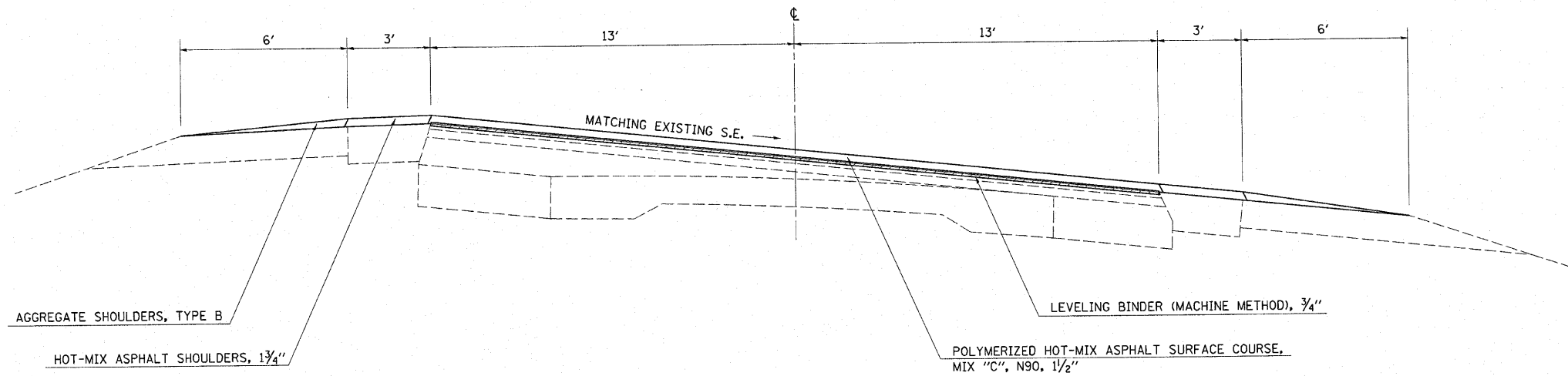


* MATCH EXISTING SUPERELEVATIONS IN CURVES

NOTE: NOT DRAWN TO SCALE

② PROPOSED TYPICAL CROSS SECTION

STA. 613+30 TO STA. 628+35



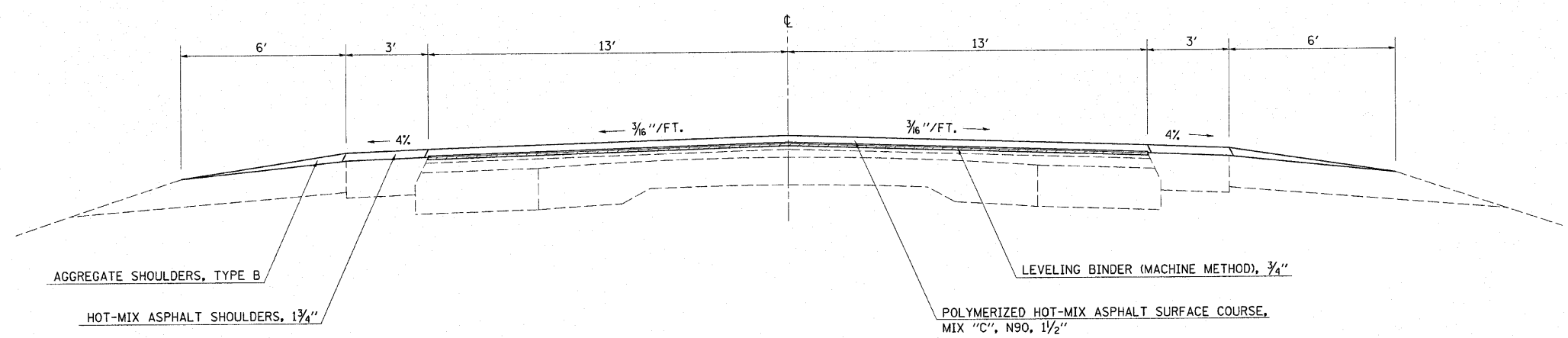
HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)

NOTE: NOT DRAWN TO SCALE

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		CHECKED -	REVISED -								CONTRACT NO. 74460	
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT	

3 PROPOSED TYPICAL CROSS SECTION

STA. 628+35 TO STA. 664+68
 STA. 676+62 TO STA. 697+00

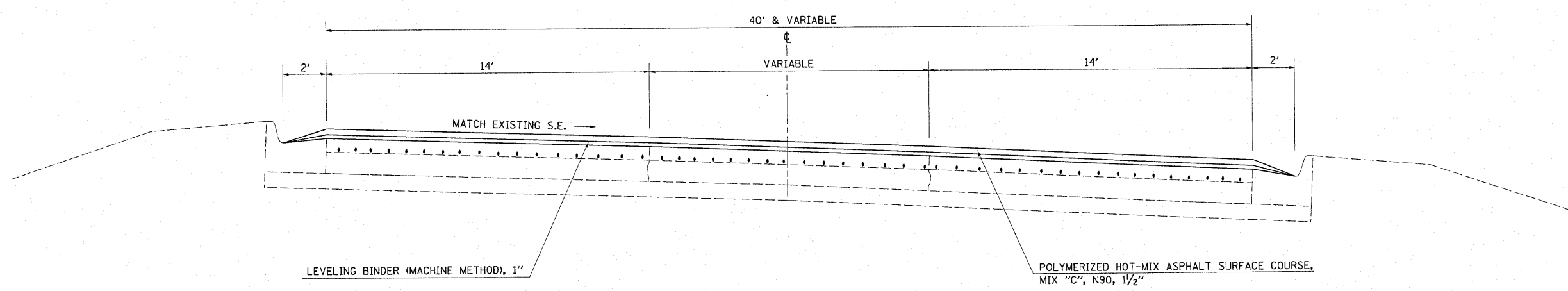


HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)

NOTE: NOT DRAWN TO SCALE

4 PROPOSED TYPICAL CROSS SECTION

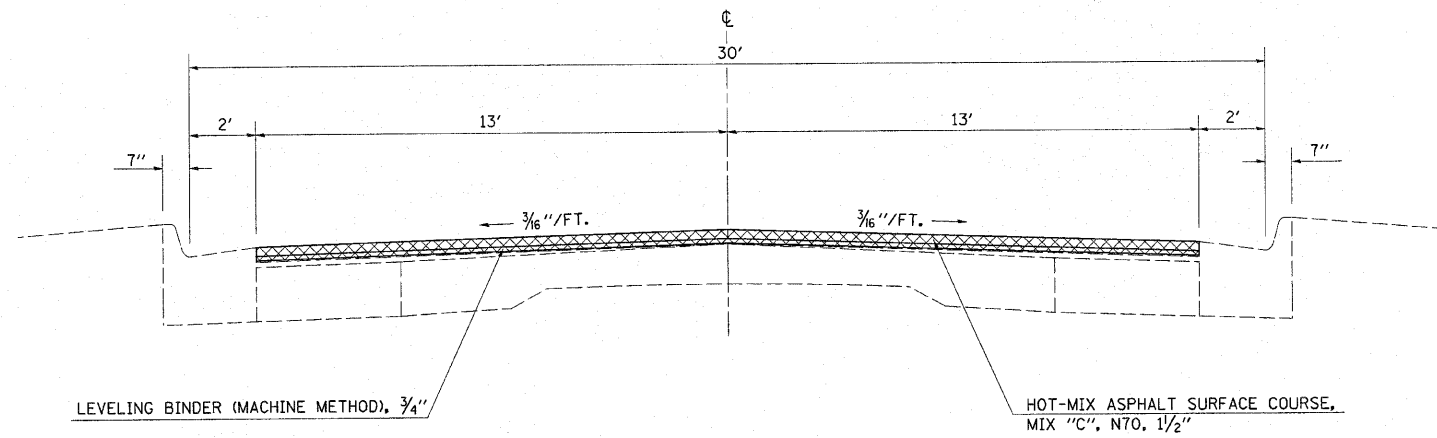
STA. 697+00 TO STA. 706+00



NOTE: NOT DRAWN TO SCALE

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	458-sh-typical.s.dgn	PLOT SCALE = 28,0000' / IN.	CHECKED -		REVISED -	SCALE: NA	SHEET NO. 6 OF 8 SHEETS	STA. TO STA.	CONTRACT NO. 74460 ILLINOIS FED. AID PROJECT		
PLOT DATE = 10/22/2010	DATE -	REVISED -	REVISED -								

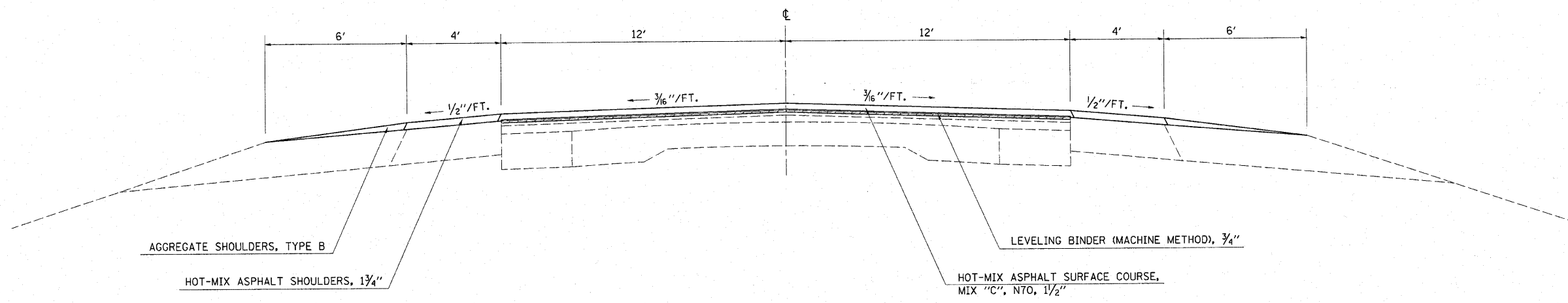
5 PROPOSED TYPICAL CROSS SECTION
 STA. 706+00 TO STA. 547+68



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

NOTE: NOT DRAWN TO SCALE

6 PROPOSED TYPICAL CROSS SECTION
 STA. 547+68 TO STA. 543+60



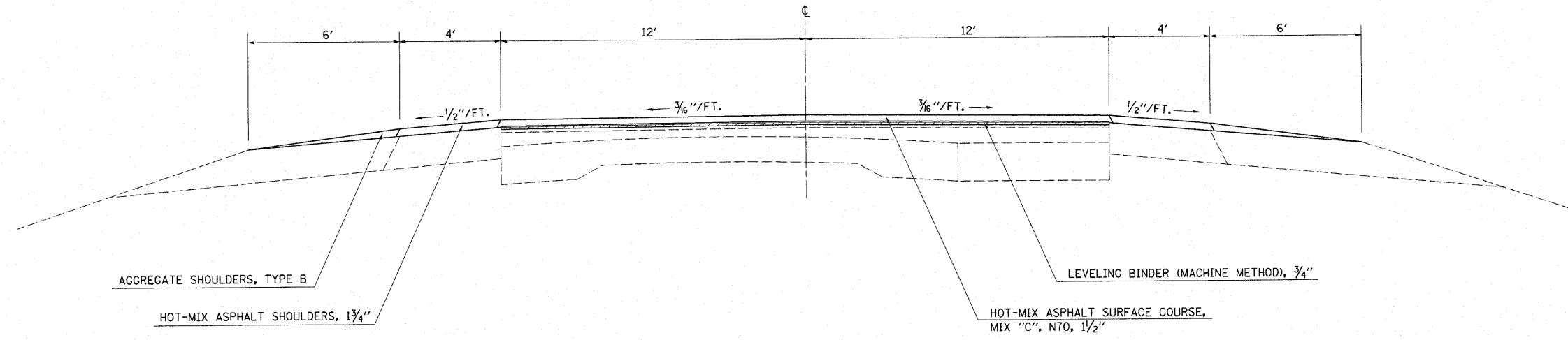
HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)

NOTE: NOT DRAWN TO SCALE

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cd:\pw_work\pindot\swartzw\d0186045\d774	480-shh-typicals.dgn	DRAWN -	REVISED -		325	9RS-2, 10RS-4	SHELBY	46	10			
PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 74460									
PLOT DATE = 10/22/2010	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									
			SCALE: NA SHEET NO. 7 OF 8 SHEETS STA. TO STA.									

7 PROPOSED TYPICAL CROSS SECTION

STA. 543+60 TO STA. 509+09
 STA. 501+09 TO STA. 486+31
 STA. 474+67 TO STA. 430+68

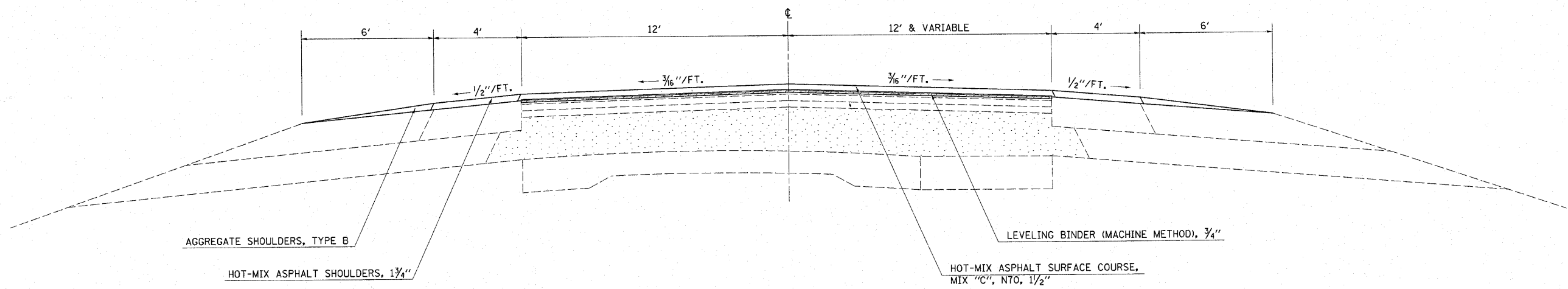


HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)

NOTE: NOT DRAWN TO SCALE

8 PROPOSED TYPICAL CROSS SECTION

STA. 509+09 TO STA. 501+09
 STA. 486+31 TO STA. 474+67
 STA. 430+68 TO STA. 424+58.40



HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)

NOTE: NOT DRAWN TO SCALE

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
as\pw\work\puidot\swartzw\d0186845\d77	468-shr-typicals.dgn	DRAWN -	REVISED -		SCALE: NA	SHEET NO. 8 OF 8 SHEETS	STA. TO STA.	325	9RS-2, 10RS-4	SHELBY	46	11
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 74460							
	PLOT DATE = 10/22/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

PAVING SCHEDULE			LENGTH	PAVEMENT WIDTH	SHOULDER WIDTH	AREA	AGGREGATE SHOULDERS, TYPE B	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	PCC SURFACE REMOVAL (BUTT-JOINT)	HOT-MIX ASPHALT SURFACE REMOVAL (BUTT-JOINT)	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)	LEVELING BINDER (MACHINE METHOD), N70	HOT MIX ASPHALT SURFACE COURSE, MIX "C", N70	POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "C", N90	INCIDENTAL HOT-MIX ASPHALT SURFACING	HOT-MIX ASPHALT SHOULDERS, 1 3/4"	HOT-MIX ASPHALT SHOULDERS, 2 1/2"	SHOULDER RUMBLE STRIP
STATION	TO	STATION	FEET	FEET	FEET	SQ YD	TON	GALLON	TON	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	TON	TON	TON	TON	SQ YD	SQ YD	FOOT
573+70.00	TO	574+00.00	30.0	37.0	6.0	123.3	2.3	14.3	0.3	0.0	143.3	0.0	0.0	5.2	0.0	10.4	0.0	0.0	20.0	60.0
574+00.00	TO	574+73.14	73.1	37.0	6.0	300.7	8.1	34.9	0.7	0.0	0.0	0.0	0.0	16.8	0.0	25.3	0.0	0.0	48.8	146.3
574+73.14	TO	578+68.90	395.8	Variable	6.0	1,355.8	42.1	162.0	3.2	0.0	0.0	0.0	0.0	75.9	0.0	113.9	5.7	0.0	242.2	726.7
578+68.90	TO	605+69.66	2,700.8	26.0	6.0	7,802.2	293.9	960.3	19.2	0.0	0.0	0.0	0.0	436.9	0.0	655.4	2.8	0.0	1,751.1	5,281.1
605+69.66	=	611+96.43	STA. EQ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
611+96.43	TO	613+30.00	133.6	26.0	6.0	385.9	14.8	47.5	0.9	0.0	0.0	0.0	0.0	21.6	0.0	32.4	0.0	0.0	89.0	267.1
613+30.00	TO	628+35.11	1,505.1	26.0	6.0	4,348.1	93.6	535.2	10.7	0.0	0.0	0.0	4348.1	182.6	0.0	365.2	16.4	940.3	0.0	2,891.0
628+35.11	=	619+69.93	STA. EQ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
619+69.93	TO	630+00.00	1,030.1	26.0	6.0	2,975.8	67.7	366.2	7.3	0.0	0.0	0.0	2975.8	125.0	0.0	250.0	2.5	674.9	0.0	2,024.8
630+00.00	TO	664+68.00	3,468.0	26.0	6.0	10,018.7	229.1	1,233.1	24.7	0.0	0.0	0.0	10018.7	420.8	0.0	841.6	4.7	2,289.8	0.0	6,869.4
664+68.00	TO	675+21.99	1,054.0	26.0	6.0	3,044.9	113.3	374.8	7.5	0.0	0.0	0.0	0.0	170.5	0.0	255.8	16.8	0.0	667.5	2,002.5
675+21.99	=	675+28.49	STA. EQ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
675+28.49	TO	676+62.00	133.5	26.0	6.0	385.7	14.8	47.5	0.9	0.0	0.0	0.0	0.0	21.6	0.0	32.4	0.0	0.0	89.0	267.0
676+62.00	TO	684+66.91	804.9	26.0	6.0	2,325.3	52.9	286.2	0.1	0.0	0.0	0.0	2325.3	97.7	0.0	195.3	2.2	514.4	0.0	1,578.5
684+66.91	=	684+24.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
684+24.19	TO	695+25.21	1,101.0	26.0	6.0	3,180.7	70.1	391.5	7.8	0.0	0.0	0.0	3180.7	133.6	0.0	267.2	11.0	677.6	0.0	2,064.1
695+25.21	TO	697+00.00	174.8	Variable	6.0	349.7	11.6	46.6	0.9	0.0	0.0	0.0	349.7	14.7	0.0	29.4	0.0	116.5	0.0	318.1
697+00.00	TO	704+16.48	716.5	Variable	0.0	2,918.3	54.6	291.8	5.8	0.0	0.0	0.0	0.0	163.4	0.0	245.1	8.0	0.0	130.0	0.0
704+16.48	=	705+32.38	STA. EQ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
705+32.38	TO	706+00.00	67.6	26.0	0.0	195.3	0.0	19.5	0.4	0.0	0.0	0.0	0.0	10.9	16.4	0.0	0.0	0.0	0.0	0.0
706+00.00	TO	742+29.25	3,629.3	26.0	0.0	10,484.5	0.0	1,048.5	21.0	0.0	0.0	10484.5	144.4	440.3	880.7	0.0	0.0	0.0	0.0	0.0
742+29.25	=	552+87.07	STA. EQ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
547+47.90	TO	552+87.07	539.2	26.0	0.0	1,557.6	0.0	155.8	3.1	0.0	0.0	1557.6	0.0	65.4	130.8	0.0	0.0	0.0	0.0	21.2
424+93.40	TO	547+47.90	12,254.5	24.0	8.0	32,678.7	802.7	4,357.2	87.1	0.0	0.0	0.0	32678.7	1372.5	2,745.0	0.0	44.6	10,680.5	0.0	24,031.1
424+58.40	TO	424+93.40	35.0	24.0	8.0	93.3	2.3	12.4	0.2	0.0	124.4	0.0	0.0	3.9	7.8	0.0	0.0	31.1	0.0	70.0
CH 38																				
0+13.31	TO	0+38.90	25.6	Variable	0.0	220.3	0.0	0.0	0.0	60.5	0.0	0.0	0.0	0.0	0.0	0.0	21.6	0.0	0.0	0.0
IL 32																				
7+40.60	TO	7+65.64	25.0	Variable	0.0	266.0	0.0	0.0	0.0	76.4	0.0	0.0	0.0	0.0	0.0	0.0	27.4	0.0	0.0	0.0
SHEET TOTALS			29,847			85,011	1,874	10,385	202	137	268	12,042	56,112	3,779	3,781	3,319	164	15,925	3,038	48,619

PAVEMENT MARKING SCHEDULE			LENGTH	SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING- LETTER AND SYMBOLS	TEMPORARY PAVEMENT MARKING-LINE 4" (YELLOW)	TEMPORARY PAVEMENT MARKING-LINE 4" (YELLOW SKIP-DASH)	TEMPORARY PAVEMENT MARKING-LINE 4" (WHITE)	TEMPORARY PAVEMENT MARKING-LINE 6"	TEMPORARY PAVEMENT MARKING-LINE 12"	WORK ZONE PAVEMENT MARKING REMOVAL	PAINT PAVEMENT MARKING-LINE 4" (YELLOW)	PAINT PAVEMENT MARKING-LINE 4" (YELLOW SKIP-DASH)	PAINT PAVEMENT MARKING-LINE 4" (WHITE)	PAINT PAVEMENT MARKING-LINE 12" (YELLOW)	URETHANE PAVEMENT MARKING-LETTERS & SYMBOLS	URETHANE PAVEMENT MARKING-LINE 4" (YELLOW)	URETHANE PAVEMENT MARKING-LINE 4" (YELLOW SKIP-DASH)	URETHANE PAVEMENT MARKING-LINE 4" (WHITE)	URETHANE PAVEMENT MARKING-LINE 6"	URETHANE PAVEMENT MARKING-LINE 12"	RAISED REFLECTIVE PAVEMENT MARKER, MONO-DIRECTIONAL (CRYSTAL)	RAISED REFLECTIVE PAVEMENT MARKER, MONO-DIRECTIONAL (AMBER)	RAISED REFLECTIVE PAVEMENT MARKER, BI-DIRECTIONAL (AMBER)
STATION	TO	STATION	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	FOOT	FOOT
573+70.00	TO	574+00.00	30.0	12.0	0.0	120.0	0.0	60.0	0.0	17.4	108.3	120.0	0.0	60.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
574+00.00	TO	574+73.14	73.1	21.9	0.0	292.6	0.0	146.3	0.0	50.9	272.2	292.6	0.0	146.3	50.9	0.0	0.0	0.0	0.0	0.0	0.0	0	4	4
574+73.14	TO	578+68.90	395.8	118.7	0.0	1,583.0	0.0	791.5	0.0	85.4	1,282.6	1,583.0	0.0	791.5	85.4	0.0	0.0	0.0	0.0	0.0	0.0	0	20	20
578+68.90	TO	605+69.66	2,700.8	810.2	0.0	262.2	544.1	5,243.8	0.0	0.0	3,092.5	262.2	544.1	5,243.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	34
605+69.66	=	611+96.43	STA. EQ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
611+96.43	TO	613+30.00	133.6	40.1	0.0	0.0	33.4	267.1	0.0	0.0	153.6	0.0	33.4	267.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	2
613+30.00	TO	628+35.11	1,505.1	602.0	0.0	0.0	376.3	2,790.0	0.0	0.0	1,633.3	0.0	376.3	2,790.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	19
628+35.11	=	619+69.93	STA. EQ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
619+69.93	TO	630+00.00	1,030.1	412.0	0.0	0.0	257.5	2,060.1	0.0	0.0	1,193.2	0.0	257.5	2,060.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	13
630+00.00	TO	664+68.00	3,468.0	1,387.2	0.0	0.0	867.0	6,936.0	0.0	0.0	4,017.1	0.0	867.0	6,936.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	43
664+68.00	TO	675+21.99	1,054.0	316.2	0.0	0.0	263.5	2,004.2	0.0	0.0	1,160.2	0.0	263.5	2,004.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	13
675+21.99	=	675+28.49	STA. EQ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
675+28.49	TO	676+62.00	133.5	40.1	0.0	0.0	33.4	267.0	0.0	0.0	153.5	0.0	33.4	267.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	2
676+62.00	TO	684+66.91	804.9	322.0	0.0	0.0	201.2	1,609.8	0.0	0.0	932.4	0.0	201.2	1,609.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	10
684+66.91	=	684+24.19	STA. EQ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
684+24.19	TO	695+25.21	1,101.0	440.4	0.0	362.3	197.5	2,202.0	0.0	0.0	1,417.6	206.9	197.5	2,046.6	0.0	0.0	155.4	0.0	155.4	0.0	0.0	0	0	14
695+25.21	TO	697+00.00	174.8	69.9	0.0	349.6	0.0	349.6	0.0	0.0	355.4	0.0	0.0	0.0	0.0	0.0	349.6	0.0	349.6	0.0	0.0	0	0	10
697+00.00	TO	704+16.48	716.5	214.9	31.2	2,643.5	0.0	839.9	92.4	409.5	2,200.2	0.0	0.0	0.0	0.0	31.2	2,643.5	0.0	839.9	92.4	409.5	3	49	54
704+16.48	=	705+32.38	STA. EQ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
705+32.38	TO	706+00.00	67.6	20.3	0.0	135.2	0.0	0.0	0.0	0.0	69.3	0.0	0.0	0.0	0.0	0.0	135.2	0.0	0.0	0.0	0.0	0	0	4
706+00.00	TO	742+29.25	3,629.3	1,451.7	0.0	300.0	907.3	0.0	53.1	0.0	724.6	0.0	0.0	0.0	0.0	0.0	300.0	907.3	0.0	53.1	0.0	0	0	45
742+29.25	=	552+87.07	STA. EQ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
547+47.90	TO	552+87.07	539.2	215.7	0.0	0.0	134.8	21.2	0.0	0.0	96.0	0.0	0.0	0.0	0.0	0.0	0.0	134.8	21.2	0.0	0.0	0	0	7
424+93.40	TO	547+47.90	12,254.5	4,901.8	0.0	0.0	3,063.6	24,082.5	0.0	0.0	13,981.5	0.0	3,063.6	24,082.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	153
424+58.40	TO	424+93.40	35.0	14.0	0.0	0.0	8.8	70.0	0.0	0.0	40.5	0.0	8.8	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
IL 32																								
7+15.40	TO	7+53.60	38.2	0.0	0.0	81.2	0.0	0.0	0.0	0.0	27.1	0.0	0.0	0.0	0.0	0.0	81.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SHEET TOTALS			29,885	11,412	31.2	6,130	6,888	49,741	146	563	32,911	2,465	5,846	48,375	154	31	3,665	1,042	1,366	146	409	3	73	447

TEMPORARY RAMP, SPECIAL SCHEDULE

LOCATION			WIDTH FEET	LENGTH FEET	AREA SQ. YD.
700+18.00	RT	CE	1.5	58.0	9.7
701+18.00	RT	CE	1.5	59.6	9.9
705+47.00	RT	CE	1.5	51.3	8.6
705+47.50	LT	PE	1.5	53.6	8.9
706+15.00	LT	CE	1.5	52.4	8.7
706+93.00	RT	PE	1.5	46.0	7.7
706+93.00	LT	CE	1.5	58.9	9.8
707+62.00	RT	PE	1.5	44.0	7.3
708+42.00	RT	PE	1.5	42.0	7.0
709+67.60	LT	CE	1.5	52.6	8.8
710+05.60	RT	CE	1.5	50.0	8.3
710+86.00	LT	CE	1.5	44.0	7.3
711+11.00	RT	CE	1.5	42.0	7.0
713+39.00	RT	CE	1.5	75.0	12.5
714+68.00	RT	VINE ST.	1.5	87.2	14.5
714+71.00	LT	VINE ST.	1.5	46.0	7.7
715+42.00	RT	PE	1.5	60.0	10.0
716+27.00	LT	CE	1.5	60.0	10.0
717+14.00	LT	CE	1.5	75.0	12.5
717+36.00	RT	CE	1.5	78.4	13.1
718+47.00	RT	CHESTNUT ST.	1.5	88.0	14.7
718+47.00	LT	CHESTNUT ST.	1.5	88.0	14.7
719+28.00	LT	CE	1.5	46.0	7.7
719+85.00	RT	PE	1.5	42.0	7.0
720+27.00	LT	CE	1.5	75.0	12.5
720+70.00	RT	PE	1.5	42.0	7.0
721+55.00	RT	PE	1.5	42.0	7.0
722+30.00	RT	OAK ST.	1.5	88.0	14.7
722+30.00	LT	OAK ST.	1.5	88.0	14.7
723+44.00	LT	CE	1.5	86.6	14.4
724+33.00	RT	PE	1.5	42.0	7.0
724+59.00	LT	CE	1.5	46.0	7.7
724+87.00	RT	PE	1.5	42.0	7.0
726+07.00	RT	PINE ST.	1.5	68.0	11.3
726+07.00	LT	PINE ST.	1.5	68.0	11.3

TEMPORARY RAMP, SPECIAL SCHEDULE (Cont'd)

LOCATION			WIDTH FEET	LENGTH FEET	AREA SQ. YD.
727+57.00	LT	CE	1.5	58.0	9.7
728+68.00	LT	CE	1.5	58.0	9.7
729+89.00	RT	MAPLE ST.	1.5	88.0	14.7
729+89.00	LT	MAPLE ST.	1.5	88.0	14.7
730+72.00	RT	CE	1.5	65.0	10.8
731+22.00	LT	CE	1.5	45.0	7.5
731+50.00	RT	CE	1.5	65.0	10.8
731+66.00	LT	CE	1.5	45.0	7.5
733+69.00	LT	CE	1.5	50.0	8.3
733+72.00	RT	ELM ST.	1.5	88.0	14.7
735+46.00	RT	PE	1.5	42.0	7.0
735+52.00	LT	PE	1.5	41.0	6.8
736+02.00	LT	PE	1.5	41.0	6.8
736+05.00	RT	PE	1.5	42.0	7.0
736+52.00	LT	PE	1.5	42.0	7.0
736+71.00	RT	CE	1.5	54.0	9.0
737+51.00	RT	LOCUST ST.	1.5	88.0	14.7
737+51.00	LT	LOCUST ST.	1.5	88.0	14.7
738+58.00	LT	PE	1.5	42.0	7.0
739+26.00	LT	PE	1.5	42.0	7.0
739+71.00	LT	PE	1.5	31.0	5.2
739+78.00	RT	PE	1.5	42.0	7.0
739+91.00	LT	PE	1.5	31.0	5.2
741+31.00	RT	CEDAR ST.	1.5	88.0	14.7
741+31.00	LT	CEDAR ST.	1.5	88.0	14.7
552+72.00	RT	PE	1.5	42.0	7.0
551+93.00	LT	CE	1.5	69.0	11.5
550+80.00	RT	PE	1.5	46.0	7.7
550+06.00	RT	P	1.5	42.0	7.0
549+52.00	LT	CE	1.5	69.0	11.5
548+81.00	RT	PE	1.5	42.0	7.0
547+92.00	LT	FE	1.5	46.0	7.7
547+71.00	RT	FE	1.5	46.0	7.7
TOTAL =					657

TEMPORARY RAMPS SCHEDULE

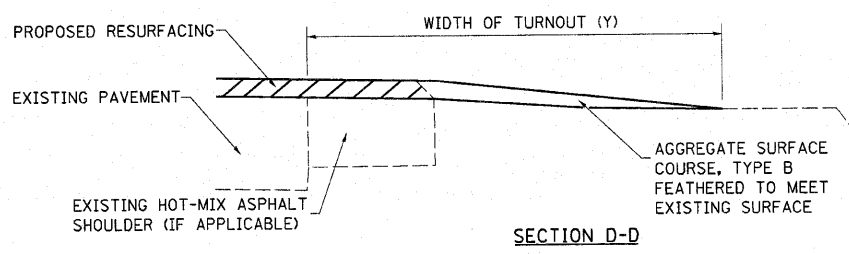
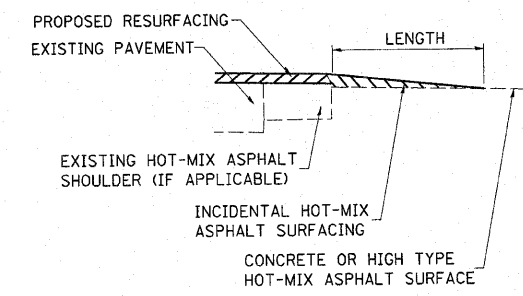
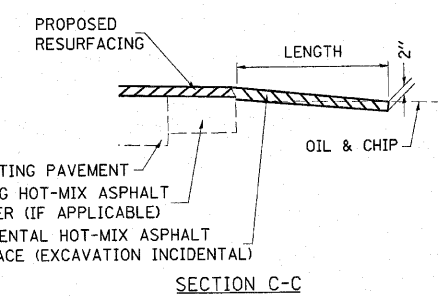
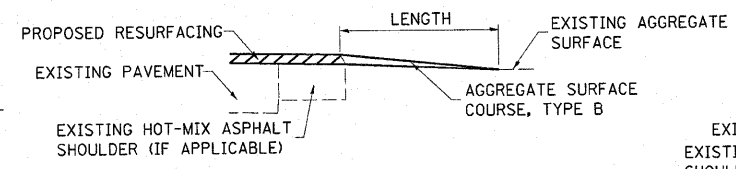
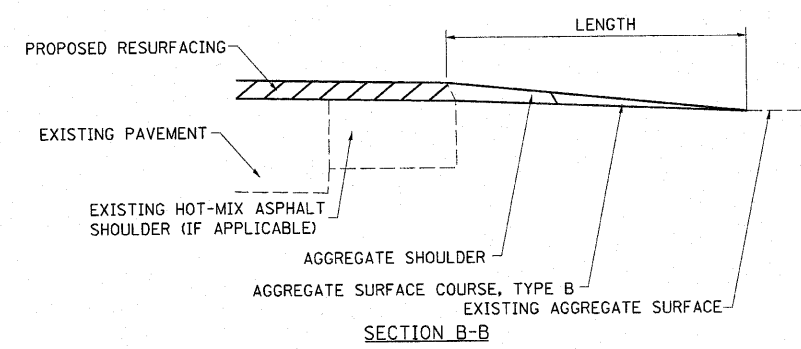
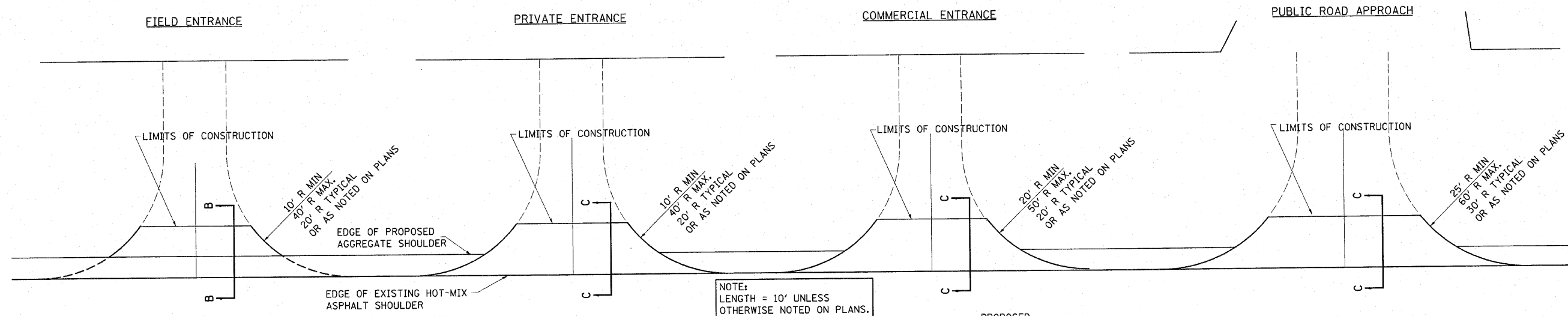
LOCATION			LENGTH FEET	WIDTH FEET	AREA SQ. YD.
573+70.00	BEGINNING OF PROJECT		5.0	43.0	23.9
582+16.00	RT	CH 38	8.0	123.8	110.0
670+00.00	RT	TR 2900E	8.0	80.4	71.5
701+40.84	LT	IL 32	8.0	144.3	128.3
424+58.40	END OF PROJECT		5.0	32.0	17.8
TOTAL					351

CONCRETE CURB REPAIR SCHEDULE

LOCATION		LENGTH FOOT
LT.	713+63.97 TO 713+78.97	15.0
RT.	731+04.50 TO 731+16.00	11.5
IL 32		
LT.	07+45.43 TO 07+47.91	3.0
LT.	07+50.80 TO 07+53.30	3.0
TOTAL =		32.5

CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 3 FRAME AND GRATE SCHEDULE

LOCATION	QUANTITY EACH	
724+00.00	RT 1.0	
724+00.00	LT 1.0	
TOTALS		2.0



TYPICAL SECTION AT MAILBOX TURNOUT
NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

NOTES

THE COST OF THE ASPHALT MATERIALS, AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROADS AND APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

THE COST OF EXCAVATION IS INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

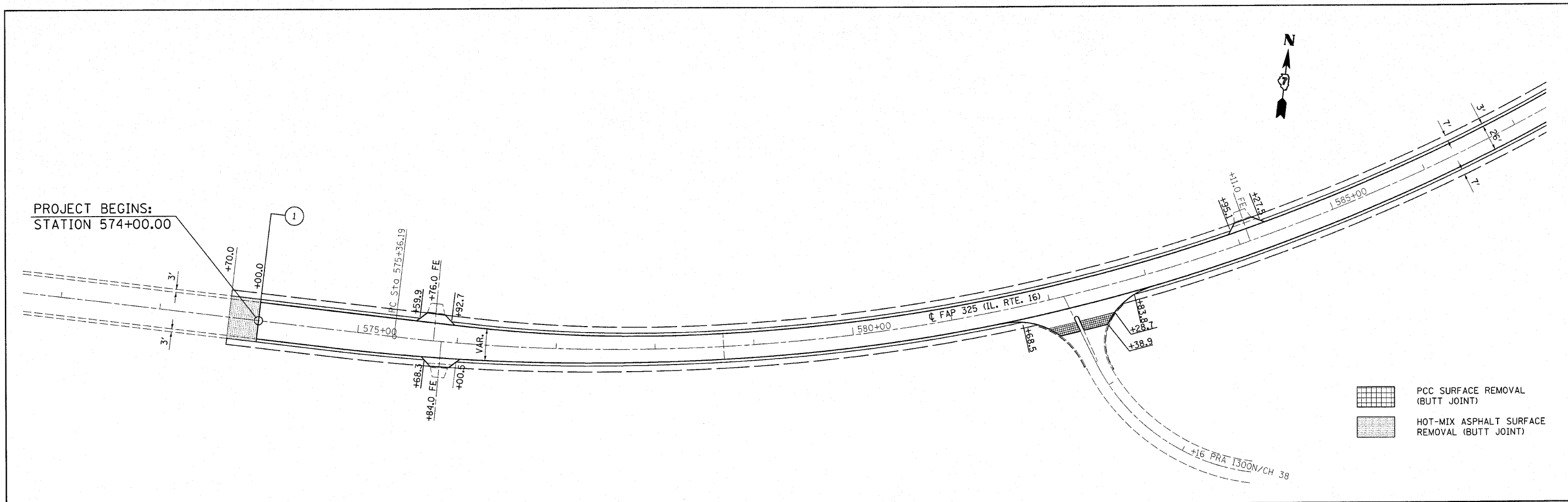
IF THERE IS NOT EXISTING HOT-MIX ASPHALT SHOULDER THEN THE ENTRANCE TAPER STARTS AT THE EDGE OF EXISTING PAVEMENT.

THE COST OF THE BITUMINOUS MATERIALS AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

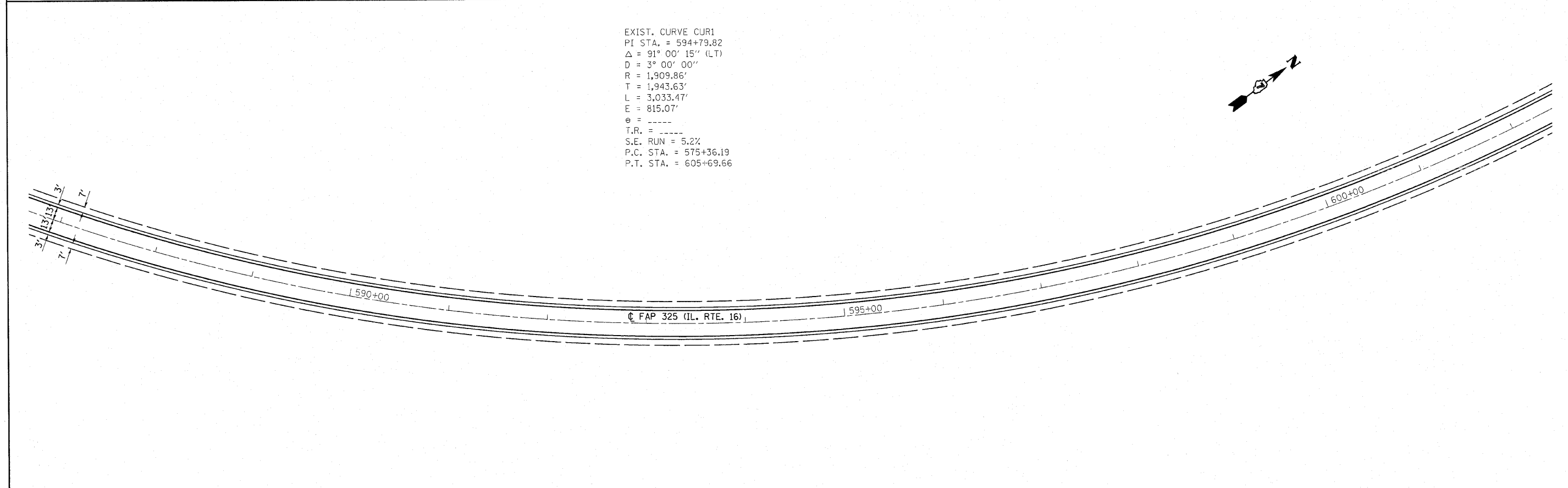
SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON
LT.	575+76.00	FE	2.8	7.4
RT.	575+84.00	FE	2.9	7.7
RT.	582+16.00	PRA	21.6	0.0
LT.	584+11.00	FE	2.8	7.5
STA. EQ.	605+69.66BK=611+96.46AH			
LT.	619+01.00	PRA	7.0	0.0
RT.	619+01.00	PRA	7.2	0.0
RT.	624+16.50	FE	2.2	5.7
STA. EQ.	628+35.11BK=619+65.93AH			
LT.	624+15.00	FE	2.5	6.9
LT.	638+98.60	FE	2.5	6.9
RT.	639+88.00	FE	2.2	5.7
LT.	668+45.00	FE	2.7	7.2
RT.	670+00.00	PRA	14.1	0.0
STA. EQ.	675+21.99BK=675+28.49AH			
LT.	682+06.00	FE	2.2	5.7
STA. EQ.	684+66.91BK=684+24.19AH			
LT.	692+06.00	FE	2.2	5.7
LT.	693+58.00	FE	2.2	5.7
LT.	694+47.50	FE	2.2	5.7
RT.	695+19.00	CE	4.4	20.0
RT.	697+18.00	CE	3.8	0.0

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON
RT.	698+18.00	CE	4.2	0.0
LT.	701+40.84	PRA	27.4	0.0
STA. EQ.	704+16.48BK=705+32.38AH			
STA. EQ.	742+29.25BK=552+87.07AH			
LT.	538+15.20	FE	2.3	5.2
LT.	512+64.80	FE	2.1	4.9
LT.	503+33.30	FE	2.1	4.9
LT.	500+22.20	FE	2.1	4.9
LT.	480+59.50	PRA	6.9	0.0
RT.	480+44.50	PRA	7.0	0.0
LT.	453+17.40	FE	2.1	4.9
RT.	452+86.00	FE	0.0	5.7
LT.	439+93.90	FE	2.2	3.4
LT.	430+73.00	FE	2.1	4.9
LT.	429+90.00	PE	2.1	4.9
RT.	429+90.00	MBT	0.0	0.0
RT.	425+58.40	PRA	6.4	0.0
LT.	425+44.91	PRA	7.2	0.0
TOTALS			164	141

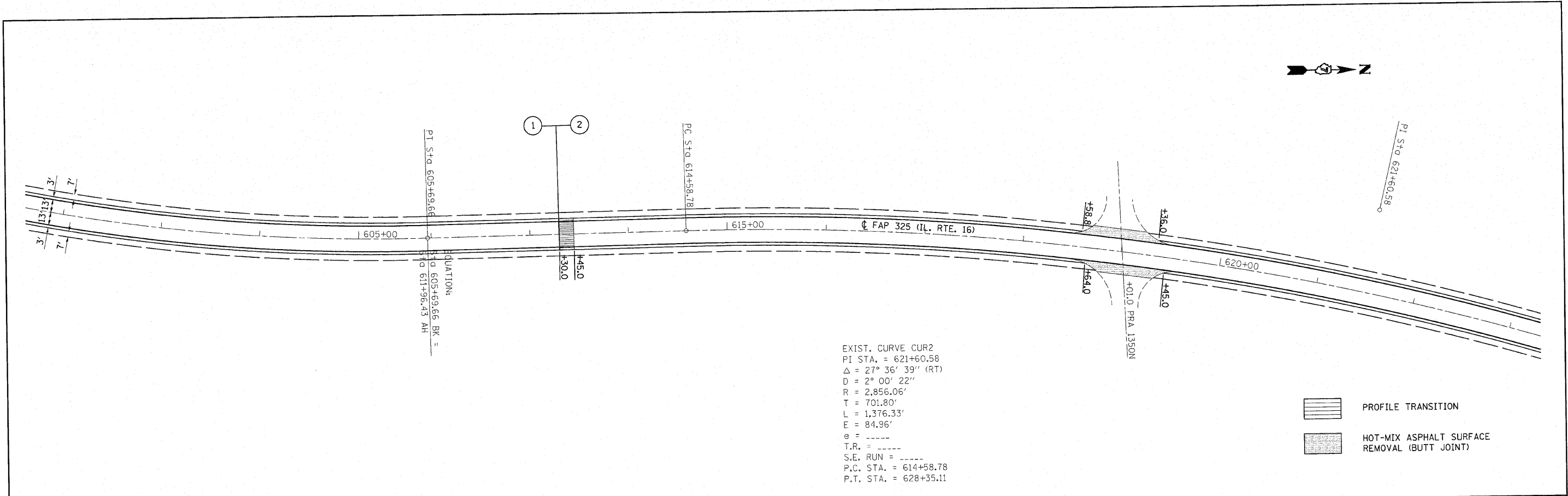
FE=FIELD ENTRANCE
PE=PRIVATE ENTRANCE
CE=COMMERCIAL ENTRANCE
PRA - PUBLIC ROAD APPROACH
MBT - MAILBOX TURNOUT





EXIST. CURVE CUR1
 PI STA. = 594+79.82
 $\Delta = 91^\circ 00' 15''$ (LT)
 $D = 3^\circ 00' 00''$
 $R = 1,909.86'$
 $T = 1,943.63'$
 $L = 3,033.47'$
 $E = 815.07'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = 5.2\%$
 $P.C. \text{ STA.} = 575+36.19$
 $P.T. \text{ STA.} = 605+69.66$

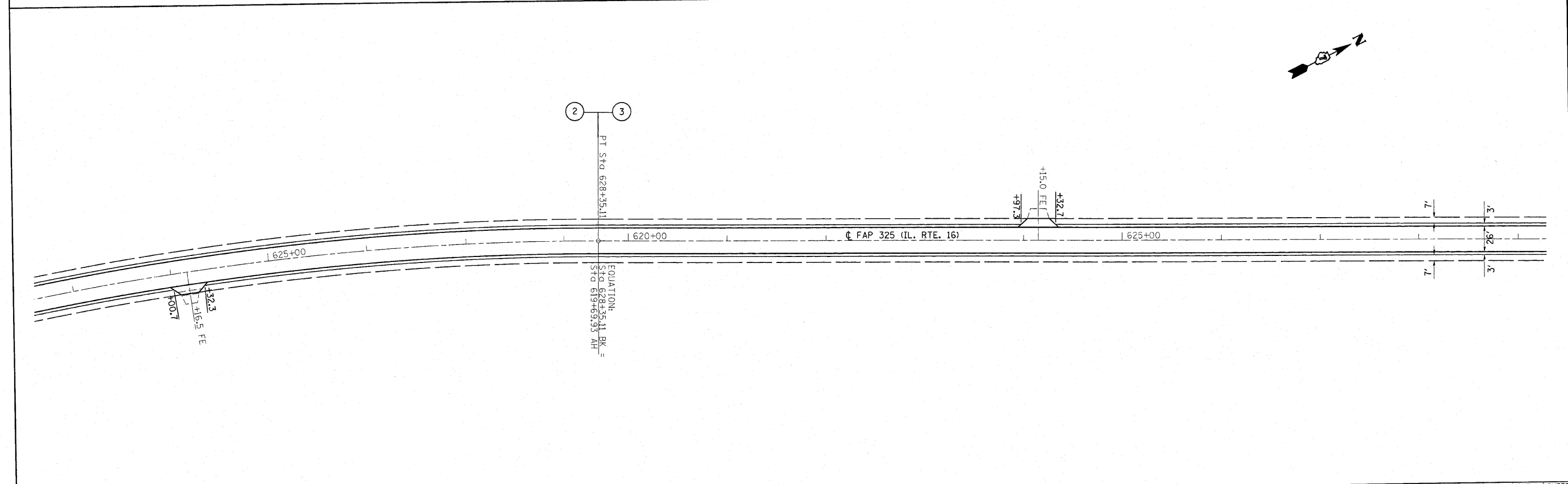


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	PLOT SCALE = 50,0000' / IN.	DRAWN -	REVISED -		SCALE: 50	SHEET NO. 1 OF 17 SHEETS	STA. 572+00 TO STA. 602+00	CONTRACT NO. 74460		ILLINOIS FED. AID PROJECT	
PLOT DATE = 10/22/2010	CHECKED -	DATE -	REVISED -								

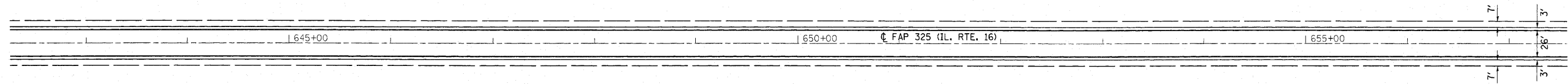
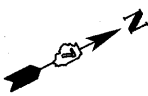
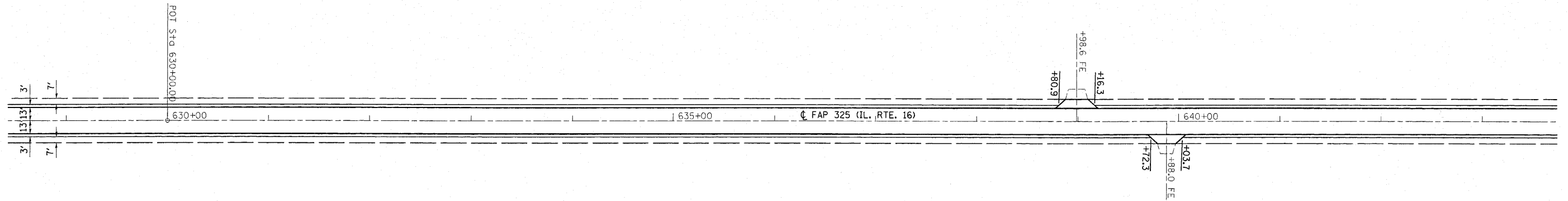


EXIST. CURVE CUR2
 PI STA. = 621+60.58
 Δ = 27° 36' 39" (RT)
 D = 2° 00' 22"
 R = 2,856.06'
 T = 701.80'
 L = 1,376.33'
 E = 84.96'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 614+58.78
 P.T. STA. = 628+35.11

-  PROFILE TRANSITION
-  HOT-MIX ASPHALT SURFACE REMOVAL (BUTT JOINT)

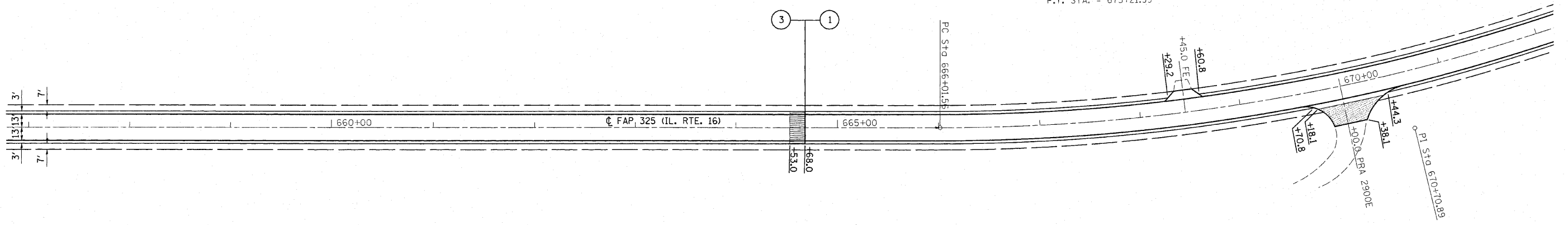
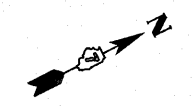




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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: 50	SHEET NO. 2 OF 17 SHEETS	STA. 602+00 TO STA. 629+00	CONTRACT NO. 74460 ILLINOIS FED. AID PROJECT			
PLOT DATE = 10/22/2010	DATE -	REVISED -	REVISED -								

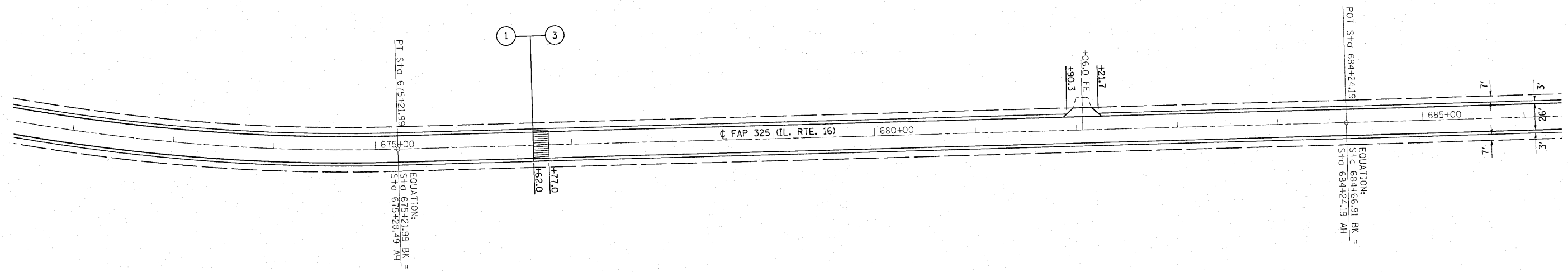
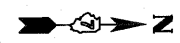


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	460-shr-plan.dgn	DRAWN -	REVISED -		SCALE: 50	SHEET NO. 3 OF 17 SHEETS	STA. 629+00 TO STA. 657+00	CONTRACT NO. 74460 ILLINOIS FED. AID PROJECT				
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	REVISED -									
PLOT DATE = 10/22/2010	DATE -	REVISED -	REVISED -									

EXIST. CURVE CUR3
 PI STA. = 670+70.89
 Δ = 27° 36' 46" (LT)
 D = 3° 00' 00"
 R = 1,909.86'
 T = 469.33'
 L = 920.43'
 E = 56.82'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 666+01.56
 P.T. STA. = 675+21.99



 PROFILE TRANSITION
 HOT-MIX ASPHALT SURFACE REMOVAL (BUTT JOINT)



 PROFILE TRANSITION

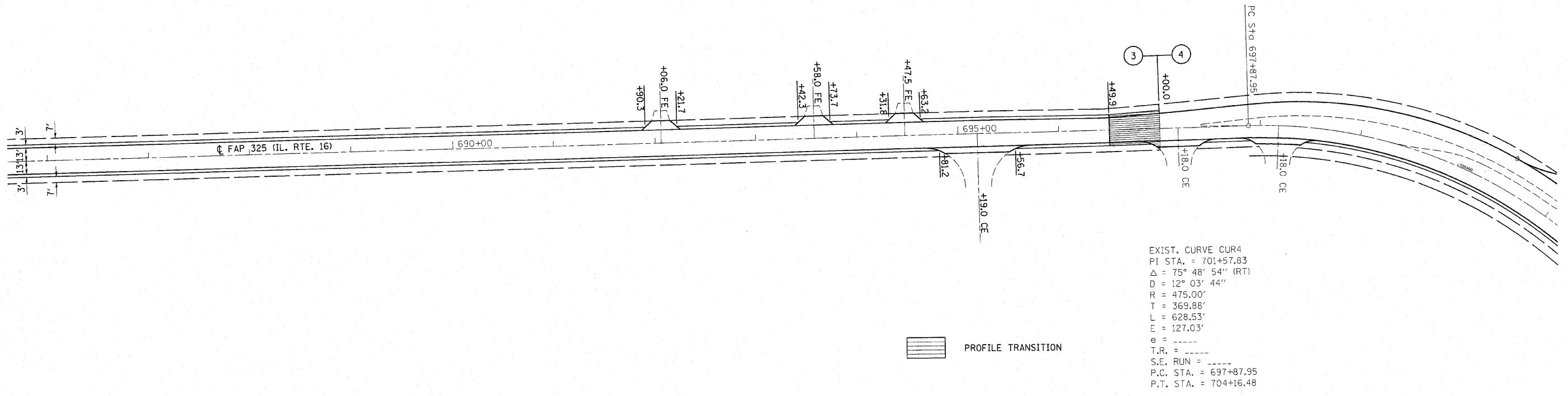
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PLOT DATE = 10/22/2010		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

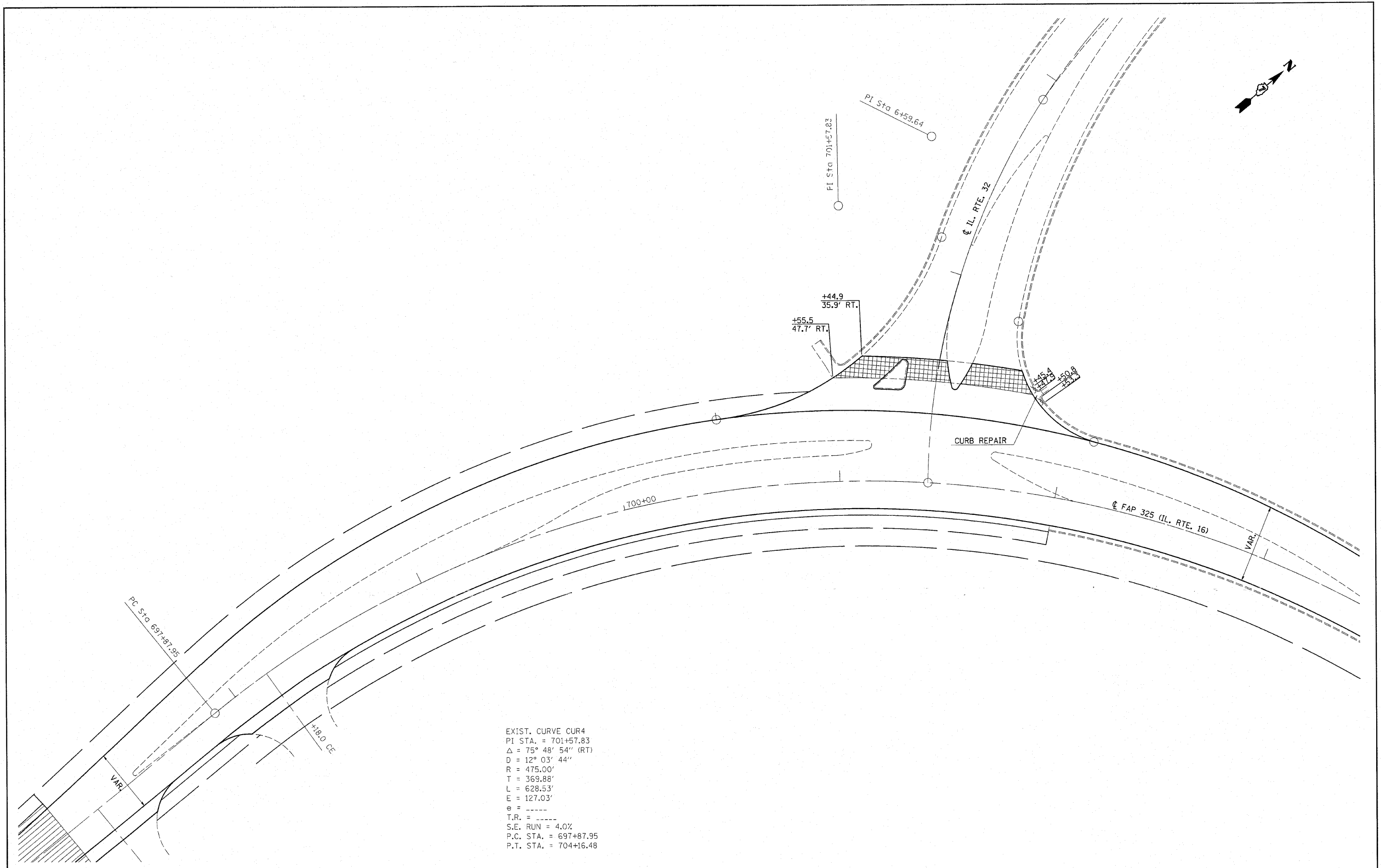
SCALE: 50 SHEET NO. 4 OF 17 SHEETS STA. 657+00 TO STA. 686+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	9RS-2, 10RS-4	SHELBY	46	20
CONTRACT NO. 74460				
ILLINOIS FED. AID PROJECT				



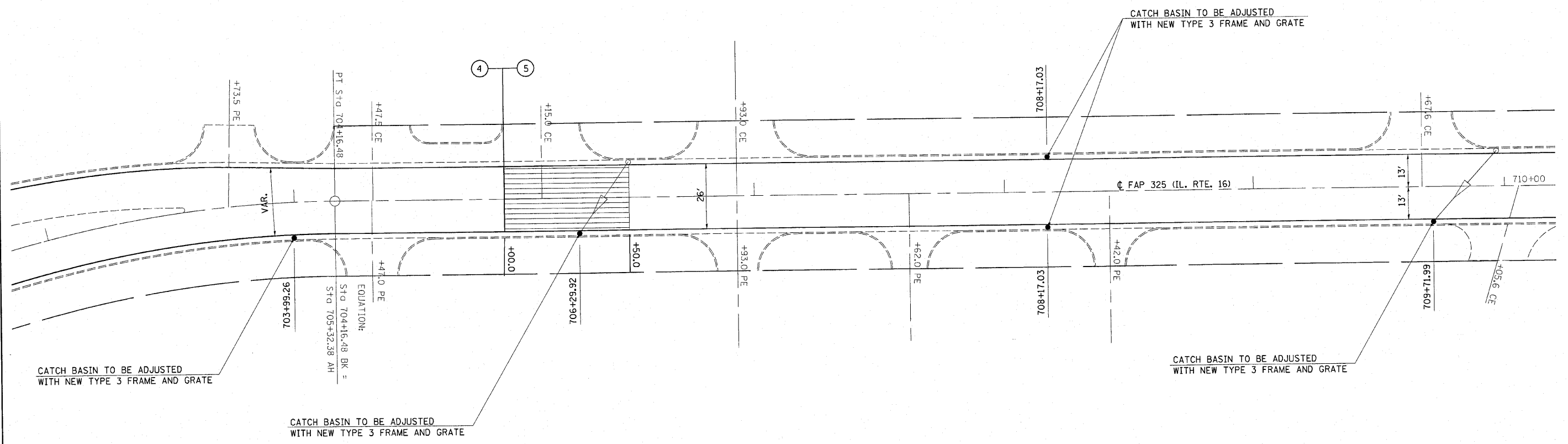
 PROFILE TRANSITION

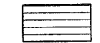
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	460-sh:plandgn	DRAWN -	REVISED -		SCALE: 50	SHEET NO. 5 OF 17 SHEETS	STA. 686+00 TO STA. 701+00	CONTRACT NO. 74460 ILLINOIS FED. AID PROJECT				
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	REVISED -									
PLOT DATE = 10/22/2010	DATE -	REVISED -	REVISED -									



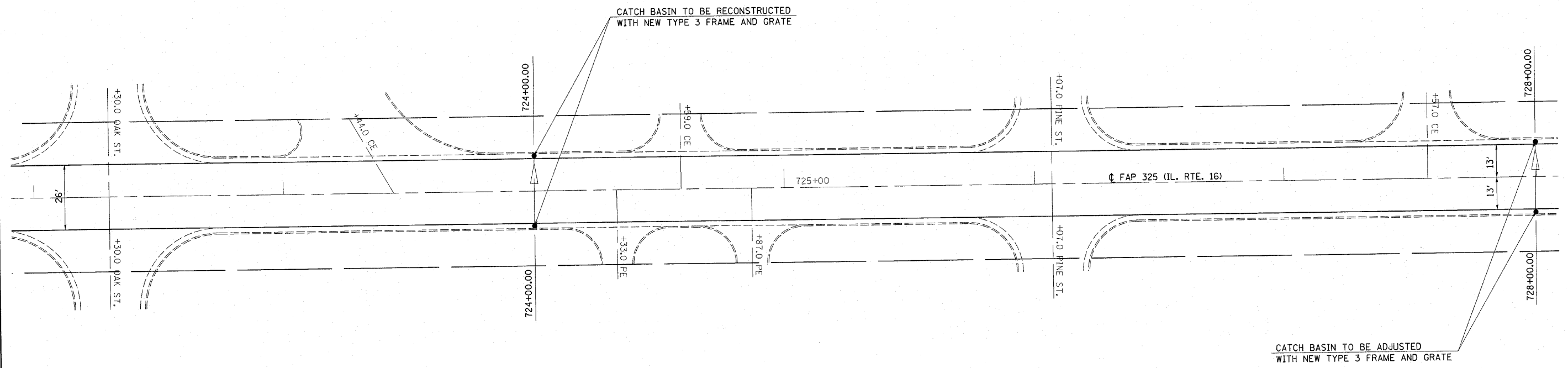
EXIST. CURVE CUR4
 PI STA. = 701+57.83
 $\Delta = 75^\circ 48' 54''$ (RT)
 $D = 12^\circ 03' 44''$
 $R = 475.00'$
 $T = 369.88'$
 $L = 628.53'$
 $E = 127.03'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. \text{ RUN} = 4.0\%$
 $P.C. \text{ STA.} = 697+87.95$
 $P.T. \text{ STA.} = 704+16.48$

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\swartzw\00186045\077	468-sht-plan.dgn	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 6 OF 17 SHEETS	STA. 697+00 TO STA. 703+00	325	9RS-2, 10RS-4	SHELBY	46	22
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -					CONTRACT NO. 74460				
	PLOT DATE = 10/22/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



 PROFILE TRANSITION

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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -		SCALE: 20	SHEET NO. 7 OF 17 SHEETS	STA. 703+00 TO STA. 710+00	CONTRACT NO. 74460					
	PLOT DATE = 10/22/2010	DATE -	REVISED -		REVISED -	ILLINOIS FED. AID PROJECT							



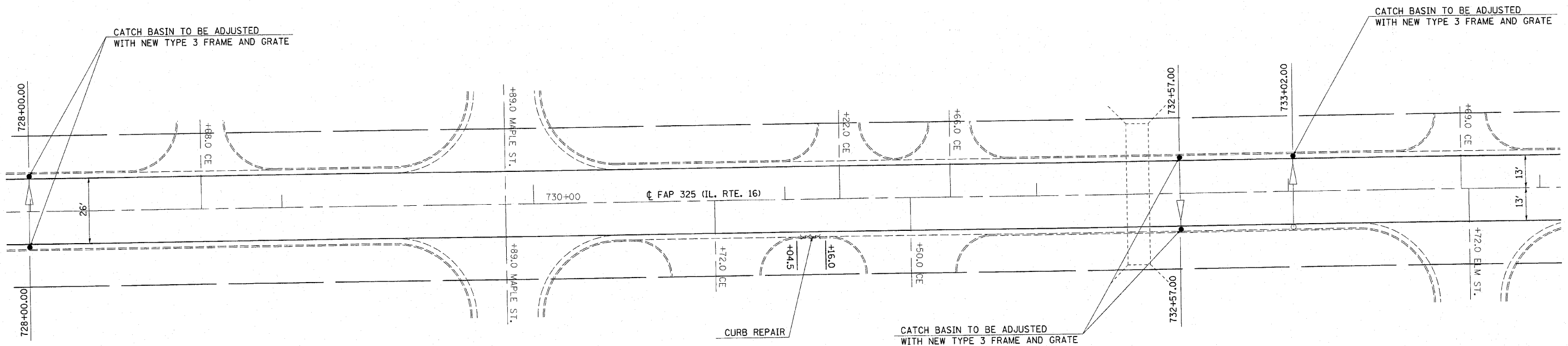
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PLOT DATE = 10/22/2010		DATE -	REVISED -

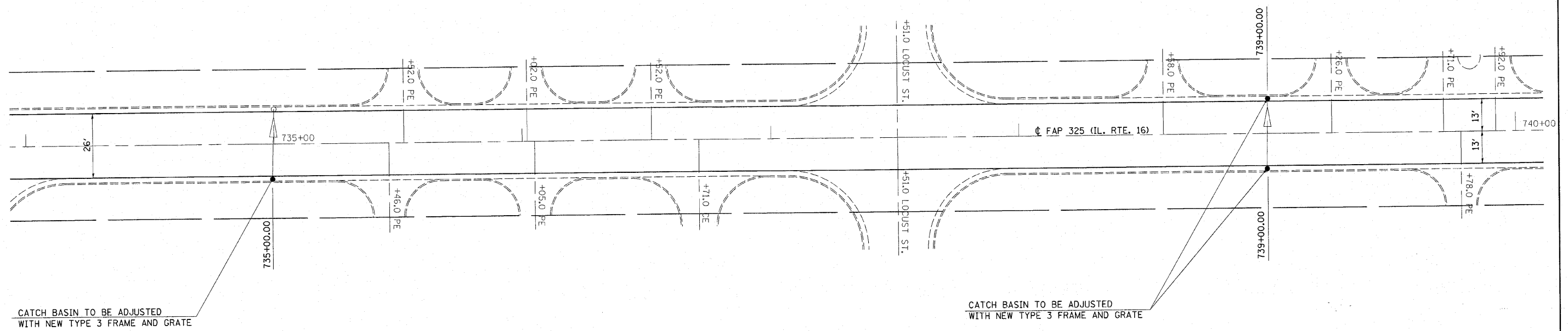
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 20 SHEET NO. 10 OF 17 SHEETS STA. 722+00 TO STA. 728+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	9RS-2, 10RS-4	SHELBY	46	26
CONTRACT NO. 74460			ILLINOIS FED. AID PROJECT	

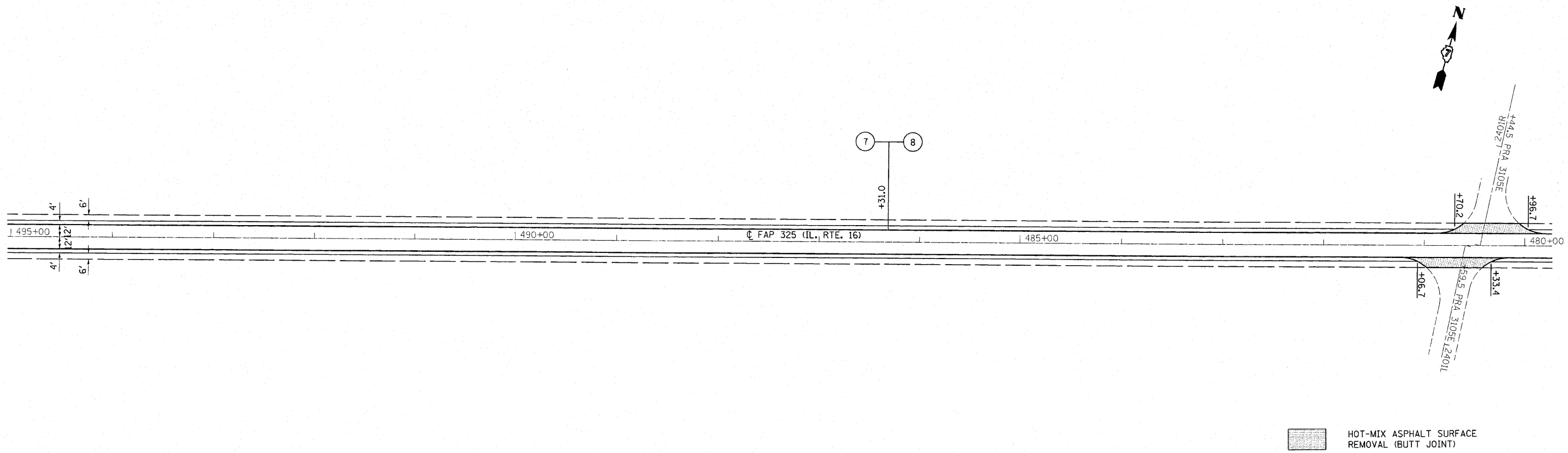





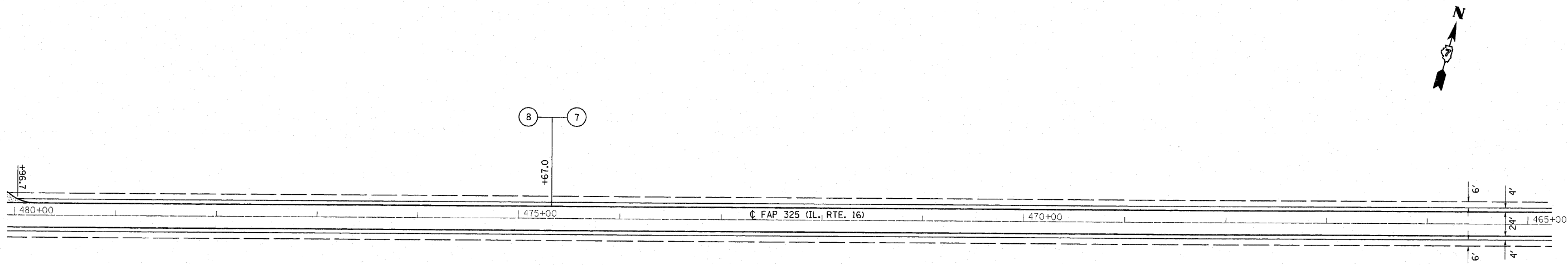
CATCH BASIN TO BE ADJUSTED
WITH NEW TYPE 3 FRAME AND GRATE

CATCH BASIN TO BE ADJUSTED
WITH NEW TYPE 3 FRAME AND GRATE

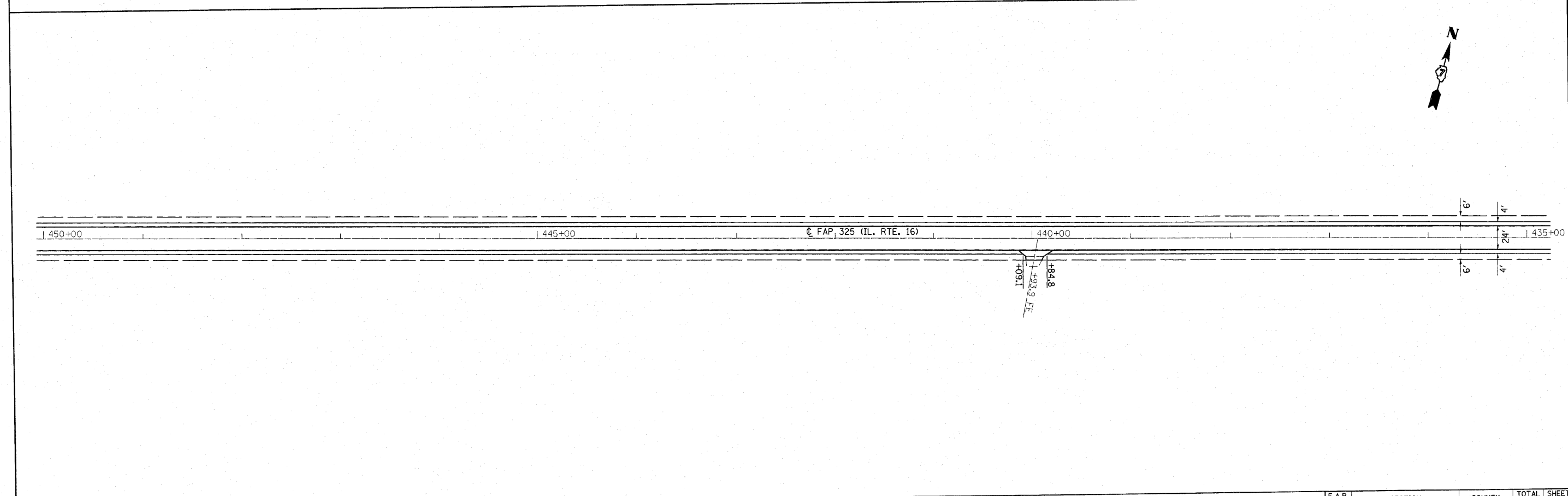
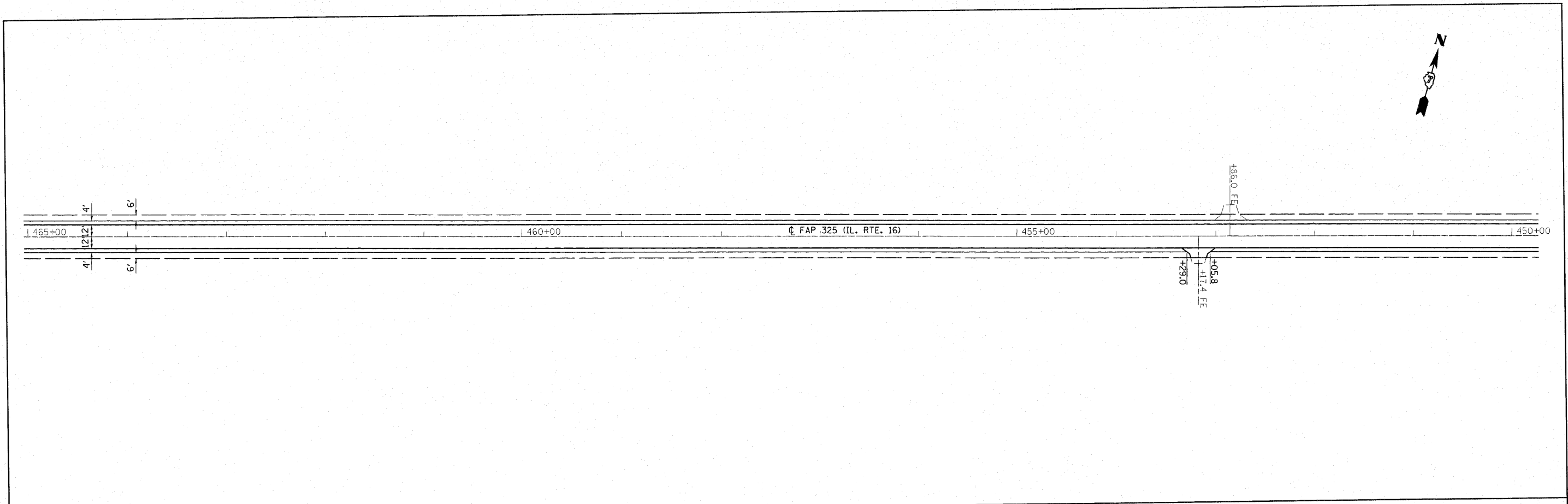
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c:\pw\work\p\dot\swartzw\08196045\077468-sht-plan.dgn		DRAWN -	REVISED -		SCALE: 20	SHEET NO. 12 OF 17 SHEETS	STA. 734+00 TO STA. 740+00	325	9RS-2, 10RS-4	SHELBY	46	28
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 74460							
PLOT DATE = 10/22/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



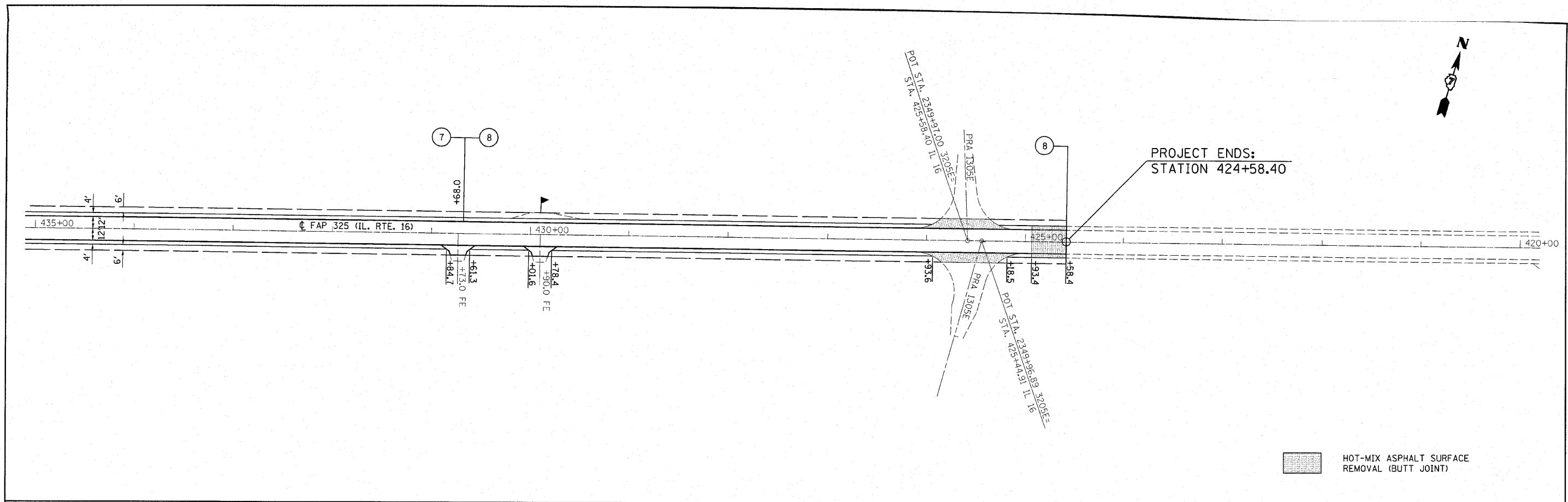
 HOT-MIX ASPHALT SURFACE REMOVAL (BUTT JOINT)



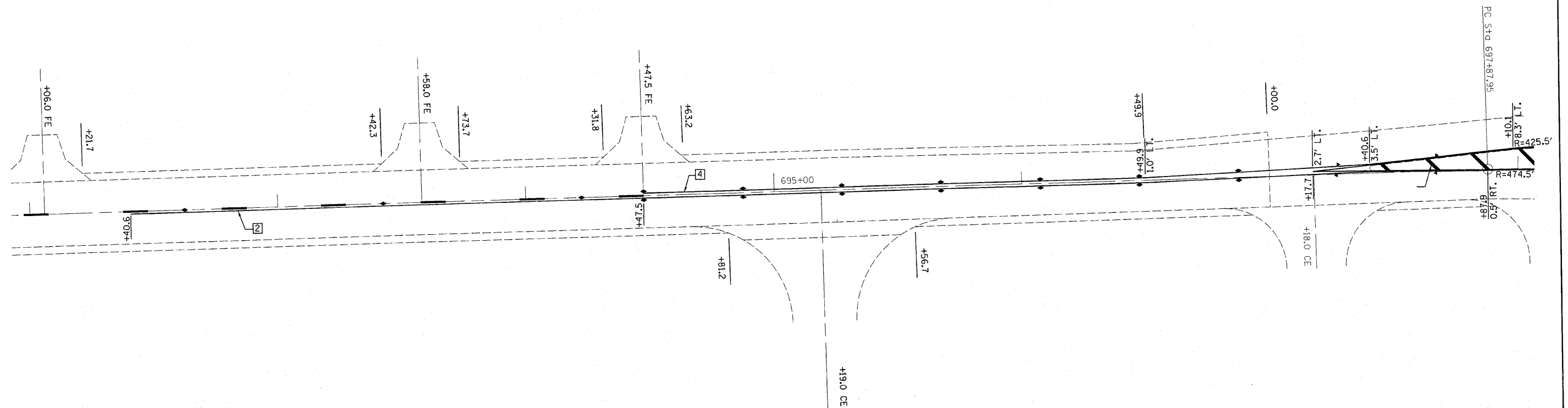
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	PLOT SCALE = 50.0000 / IN.	CHECKED -	REVISED -		SCALE: 50	SHEET NO. 15 OF 17 SHEETS	STA. 495+00 TO STA. 465+00	ILLINOIS FED. AID PROJECT					
	PLOT DATE = 10/22/2018	DATE -	REVISED -										
	CONTRACT NO. 74460												



FILE NAME = c:\pw\work\p\dot\sw\trw\d8186045\077468-sh\plan.dgn	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE. 325	SECTION 9RS-2, 10RS-4	COUNTY SHELBY	TOTAL SHEETS 46	SHEET NO. 32
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -		SCALE: 50	SHEET NO. 16 OF 17 SHEETS	STA. 465+00 TO STA. 435+00	ILLINOIS FED. AID PROJECT				
PLOT DATE = 10/22/2010	DATE -	REVISED -										
CONTRACT NO. 74460												



FILE NAME =	USER NAME = swartzr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET		F.A.P. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -									
	PLOT DATE = 10/22/2010	DATE -	REVISED -									
ILLINOIS FED. AID PROJECT												



PAVEMENT MARKING LEGEND

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

TYPICAL PAVEMENT MARKERS LEGEND

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

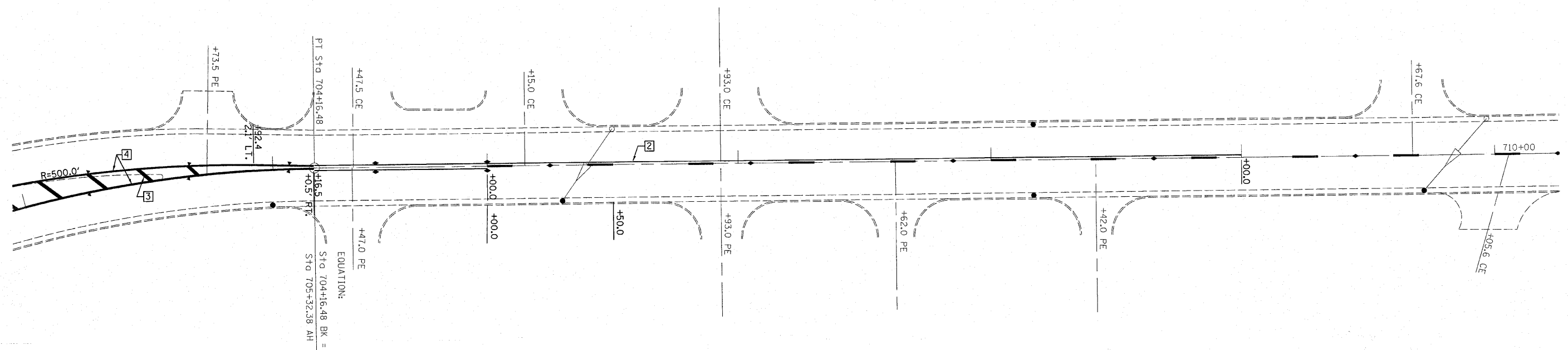
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PLOT SCALE = 20,0000 ' / IN.		CHECKED -	REVISED -
PLOT DATE = 10/22/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STRIPING PLAN SHEET

SCALE: 20 SHEET NO. 2 OF 4 SHEETS STA. 692+00 TO STA. 698+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	9RS-2, 10RS-4	SHELBY	46	35
CONTRACT NO. 74460				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

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

TYPICAL PAVEMENT MARKERS LEGEND

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

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PLOT SCALE = 20.0000' / IN
PLOT DATE = 10/22/2010

DESIGNED -
DRAWN -
CHECKED -
DATE -

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REVISED -

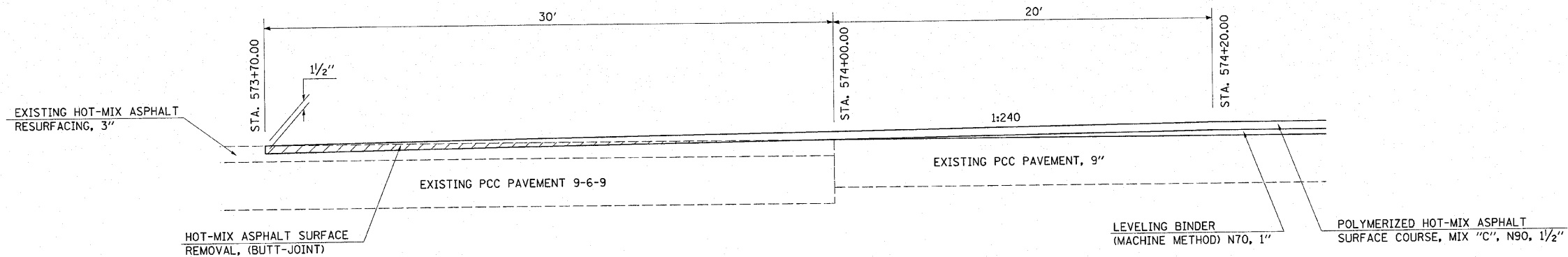
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

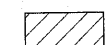
STRIPING PLAN SHEET

SCALE: 20 SHEET NO. 4 OF 4 SHEETS STA. 703+00 TO STA. 710+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	9RS-2, 1ORS-4	SHELBY	46	37
CONTRACT NO. 74460				
ILLINOIS FED. AID PROJECT				

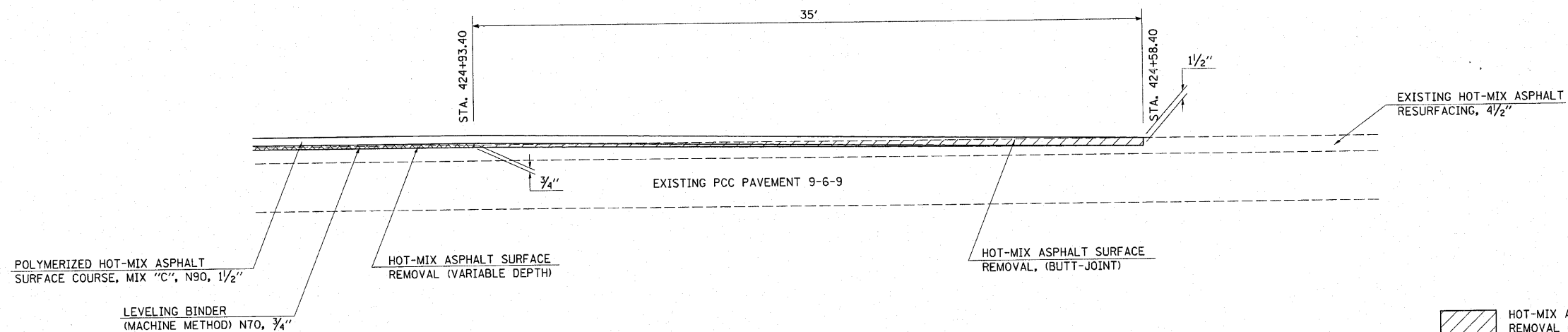
BUTT JOINT @ STA. 573+70 (BEGINNING OF PROJECT)





 HOT-MIX ASPHALT SURFACE REMOVAL (BUTT-JOINT)

NOTE: NOTE DRAWN TO SPECIFIC SCALE

BUTT JOINT @ STA. 424+58.4 (END OF PROJECT)



 HOT-MIX ASPHALT SURFACE REMOVAL (BUTT-JOINT)

 HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)

NOTE: NOTE DRAWN TO SPECIFIC SCALE

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DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

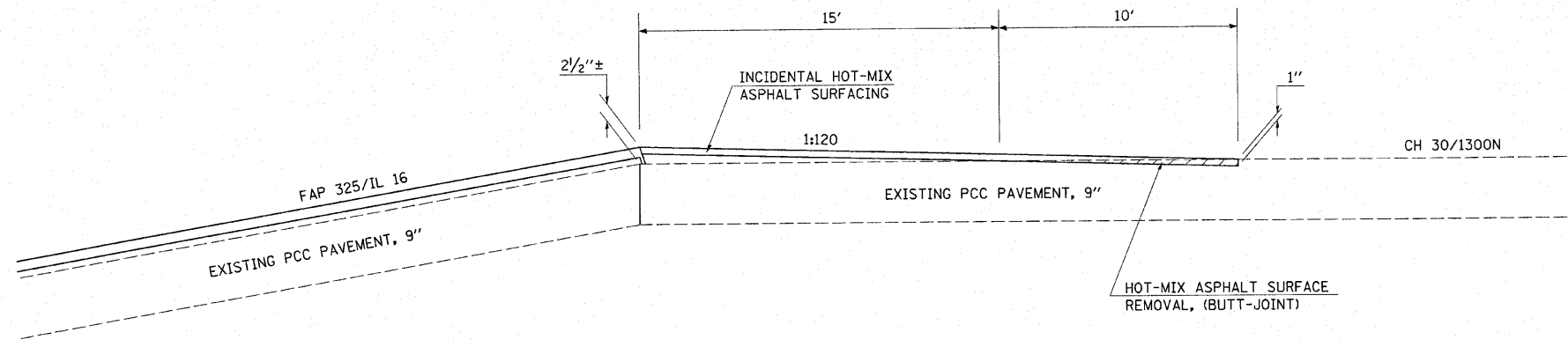
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


BUTT JOINT DETAILS

SCALE: NA SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	9RS-2, 10RS-4	SHELBY	46	38
CONTRACT NO. 74460				
ILLINOIS FED. AID PROJECT				

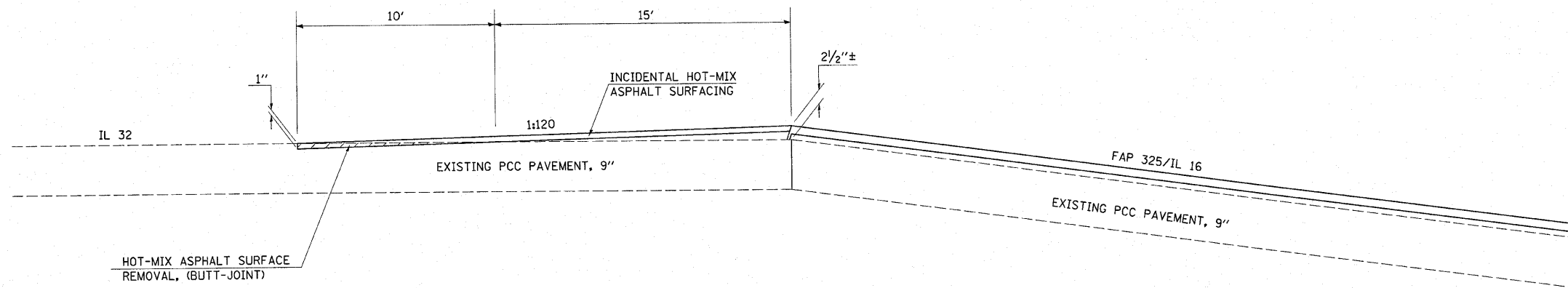
BUTT JOINT @ IL 16 / CH 38 INTERSECTION




 HOT-MIX ASPHALT SURFACE REMOVAL (BUTT-JOINT)

NOTE: NOTE DRAWN TO SPECIFIC SCALE

BUTT JOINT @ IL 16 / IL 32 INTERSECTION



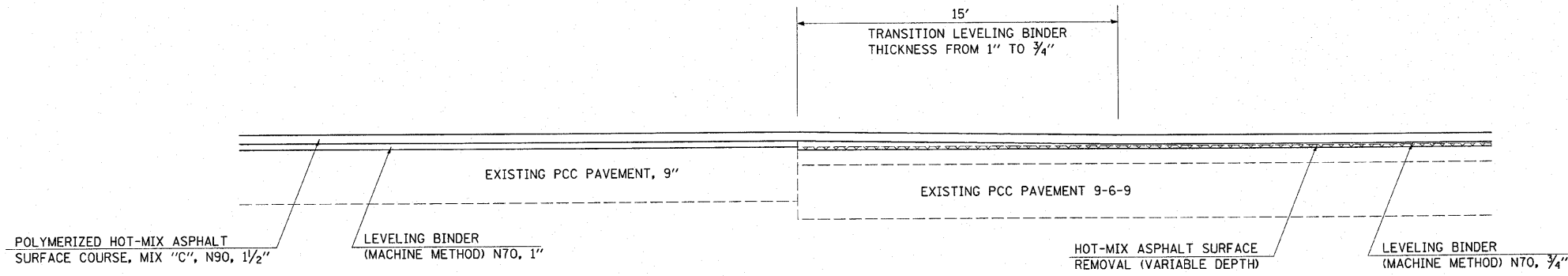
 HOT-MIX ASPHALT SURFACE REMOVAL (BUTT-JOINT)

NOTE: NOTE DRAWN TO SPECIFIC SCALE

FILE NAME = c:\p\work\p\dot\swartzn\d0186845\d774	USER NAME = swartzn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT DETAILS			F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	460-shr-details.dgn	DRAWN -	REVISED -					325	9RS-2, 10RS-4	SHELBY	46	39
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PLOT DATE = 10/22/2010	DATE -	REVISED -	REVISED -	ILLINOIS FED. AID PROJECT								

PROFILE TRANSITIONS

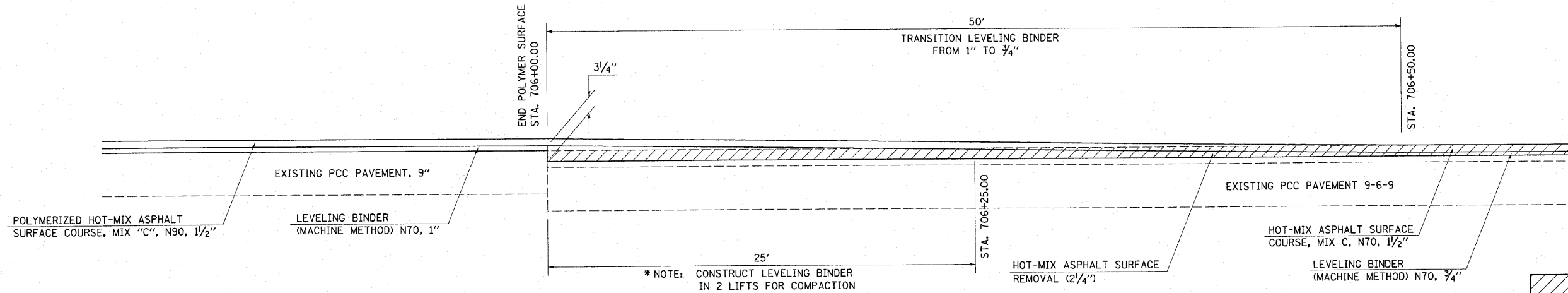
STA. 613+30 TO STA. 613+45
 STA. 664+53 TO STA. 664+68
 STA. 676+62 TO STA. 676+77
 STA. 698+85 TO STA. 697+00



HOT-MIX ASPHALT SURFACE
 REMOVAL (VARIABLE DEPTH)

NOTE: NOTE DRAWN TO SPECIFIC SCALE

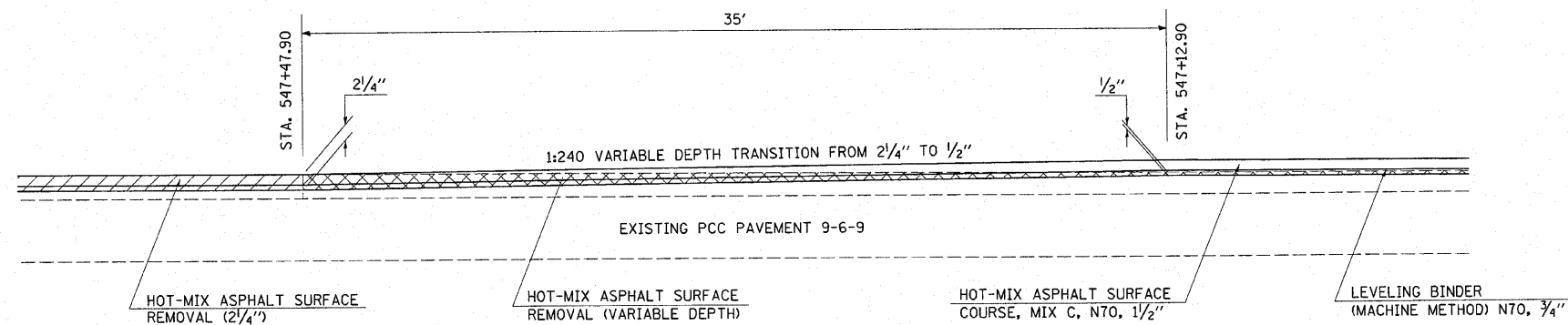
PROFILE TRANSITIONS STA. 706+00



HOT-MIX ASPHALT SURFACE
 REMOVAL (2 1/4")

NOTE: NOTE DRAWN TO SPECIFIC SCALE

PROFILE TRANSITION STA. 547+12.90



HOT-MIX ASPHALT SURFACE
 REMOVAL (2 1/4")

HOT-MIX ASPHALT SURFACE
 REMOVAL (VARIABLE DEPTH)

NOTE: NOTE DRAWN TO SPECIFIC SCALE

FILE NAME =
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 PLOT DATE = 10/22/2010

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

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 REVISED -
 REVISED -

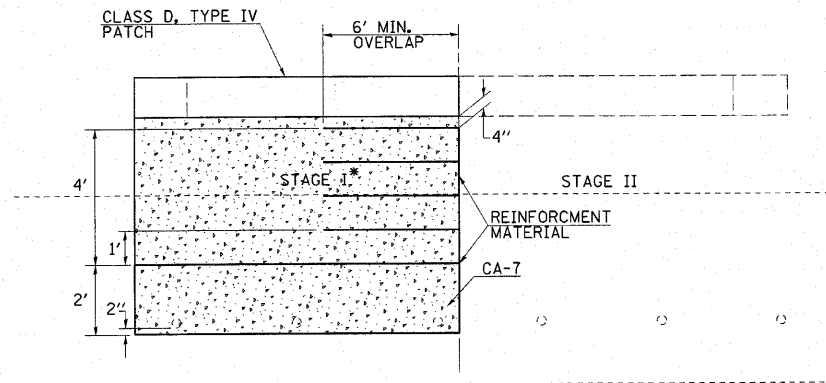
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROFILE TRANSITION DETAILS

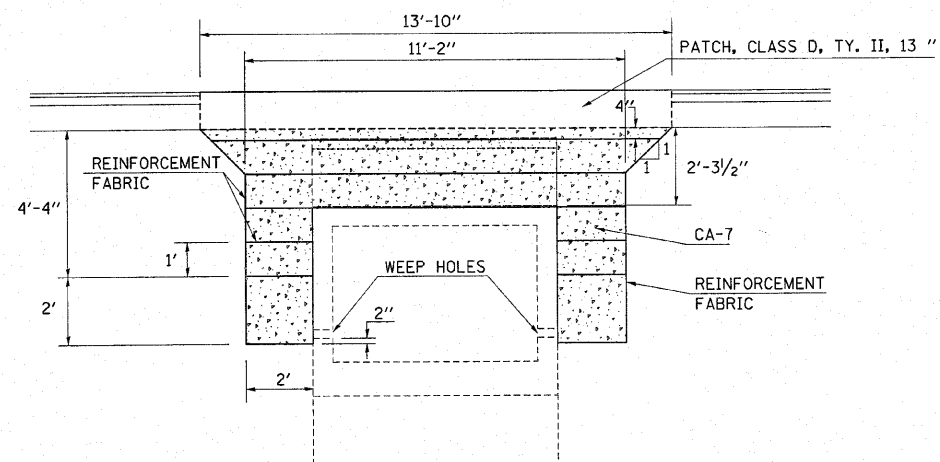
SCALE: NA SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	9RS-2, 10RS-4	SHELBY	46	40
CONTRACT NO. 74460				
ILLINOIS FED. AID PROJECT				

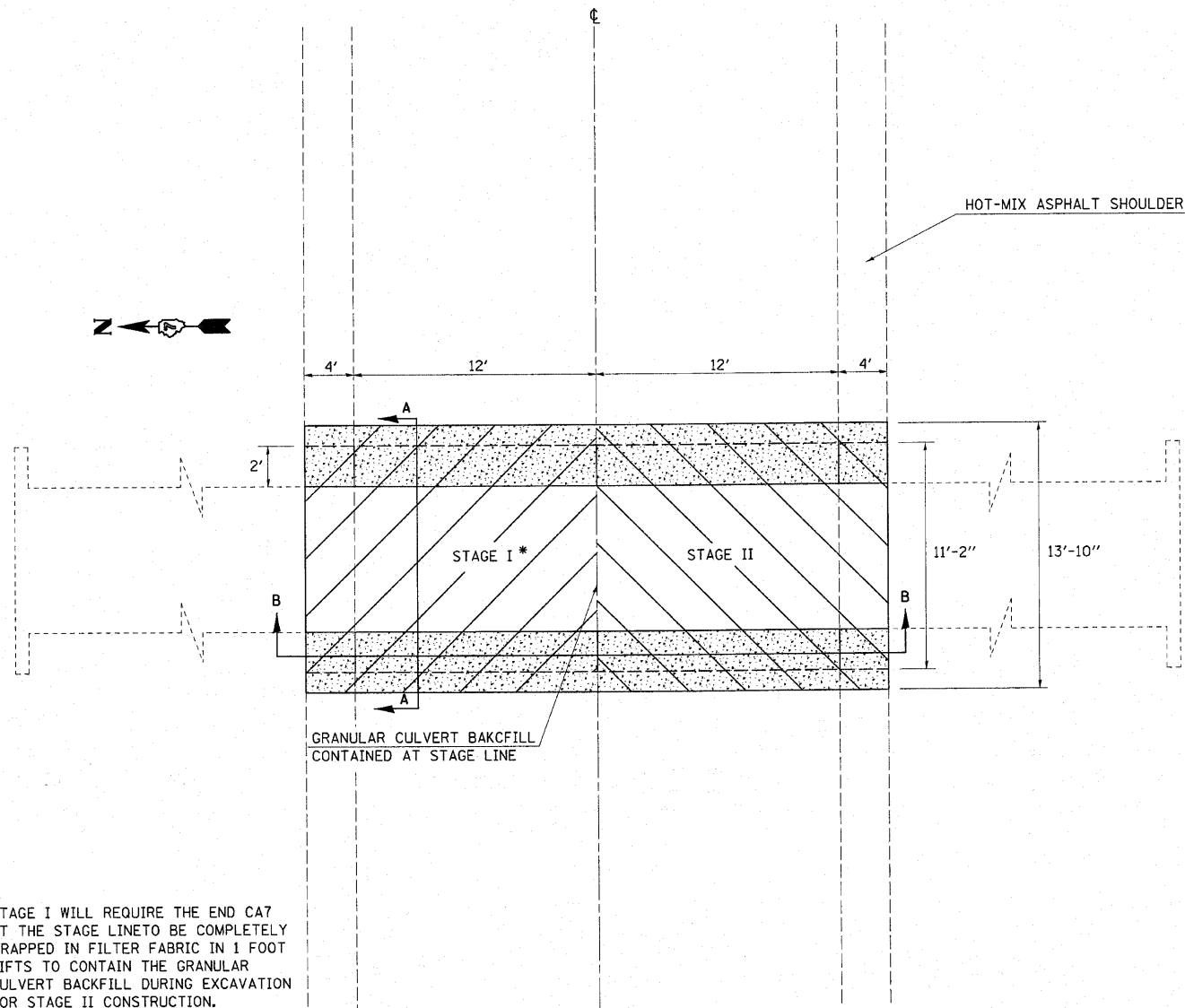
NOTE:
 THE GEOTEXTILE SOIL REINFORCEMENT SHALL HAVE A MINIMUM ALLOWABLE TENSILE STRENGTH (T MIN.) OF 30.83 LBS./IN. AS DETERMINED BY THE PROCEDURE DESCRIBED IN THE SPECIAL PROVISION.



SECTION B-B



SECTION A-A
 6' x 4' CULVERT



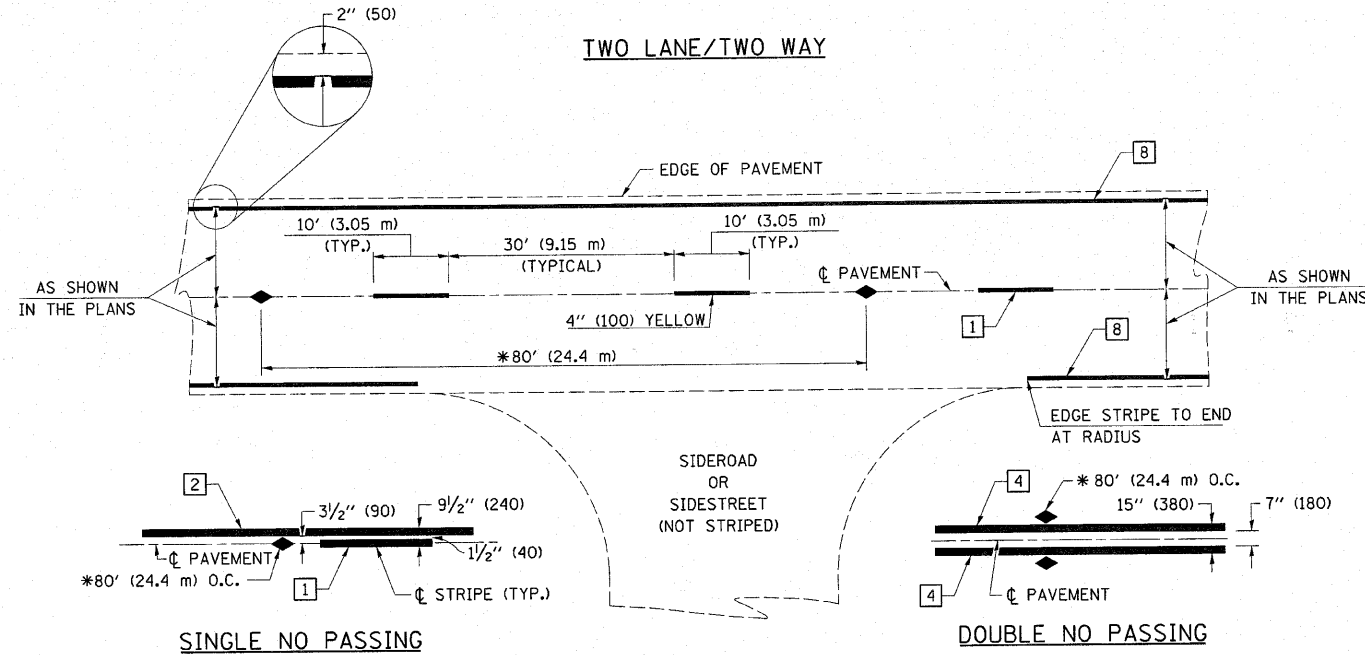
PLAN VIEW

*** NOTE:** STAGE I WILL REQUIRE THE END CA7 AT THE STAGE LINE TO BE COMPLETELY WRAPPED IN FILTER FABRIC IN 1 FOOT LIFTS TO CONTAIN THE GRANULAR CULVERT BACKFILL DURING EXCAVATION FOR STAGE II CONSTRUCTION.

AFTER FINAL REINFORCED LIFT IS CONSTRUCTED, A FINAL 4" UN-REINFORCED LIFT OF CA-7 WILL BE CONSTRUCTED FOR THE BASE OF THE PATCH.

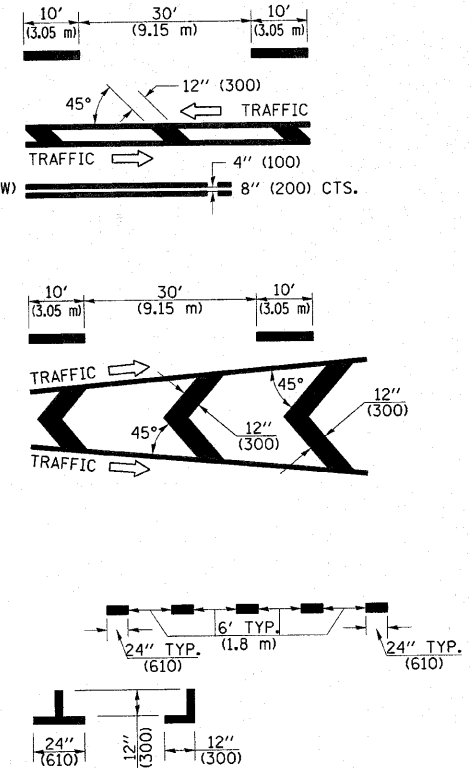
NOTE: DRAWINGS NOT DRAWN TO SPECIFIC SCALE

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GRANULAR CULVERT BACKFILL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\swartzw\d0186045\d77468-sht-details.dgn		DRAWN -	REVISED -		325	9RS-2, 10RS-4	SHELBY	46	41			
PLOT SCALE = 20.0000 "/ IN.		CHECKED -	REVISED -		CONTRACT NO. 74460							
PLOT DATE = 10/25/2010		DATE -	REVISED -		SCALE: NA	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



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 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (100) LANE LINE EXTENSIONS
- 14 4" (100) PARKING WHITE

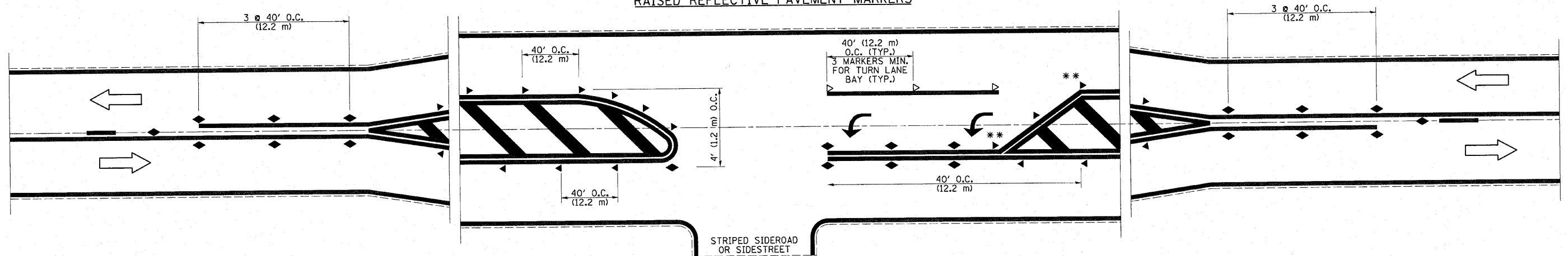


TYPICAL PAVEMENT MARKERS LEGEND

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

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

RAISED REFLECTIVE PAVEMENT MARKERS



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

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

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =
c:\pwork\pwork\swartzr\0186045\d77460-sh\detail.dgn

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DESIGNED -
DRAWN -
CHECKED -
PLOT SCALE = 20.0000' / IN.
PLOT DATE = 10/22/2010

DESIGNED -
DRAWN -
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DATE -

REVISED -
REVISED -
REVISED -
REVISED -

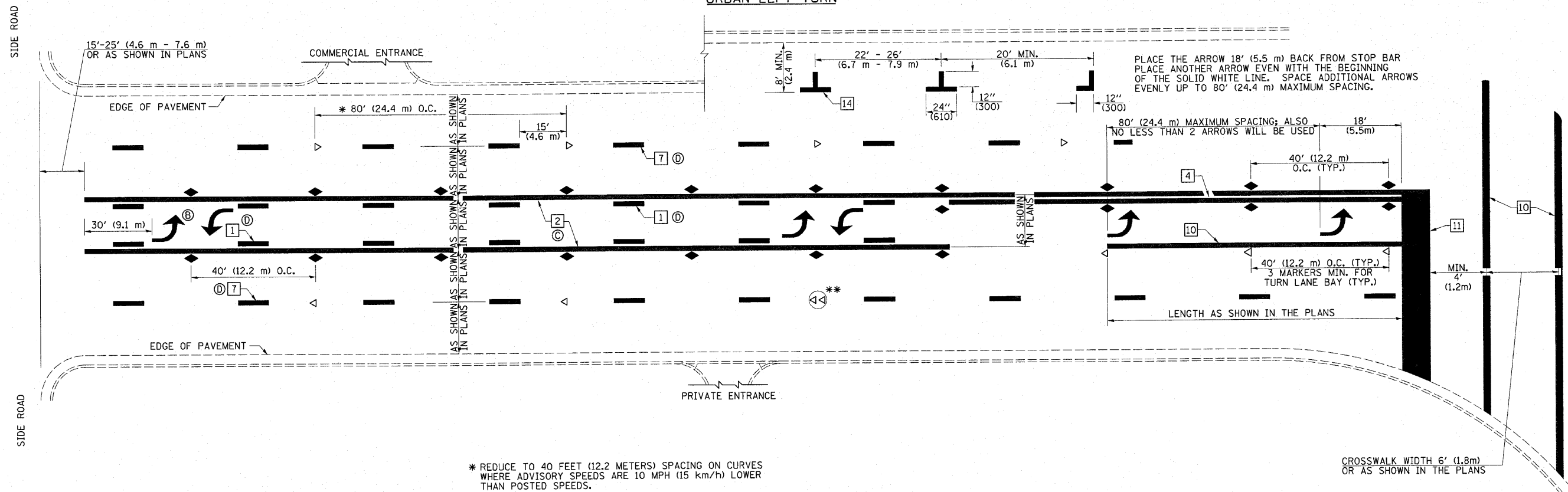
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	9RS-2, 1ORS-4	SHELBY	46	42
CONTRACT NO. 74460				
ILLINOIS FED. AID PROJECT				

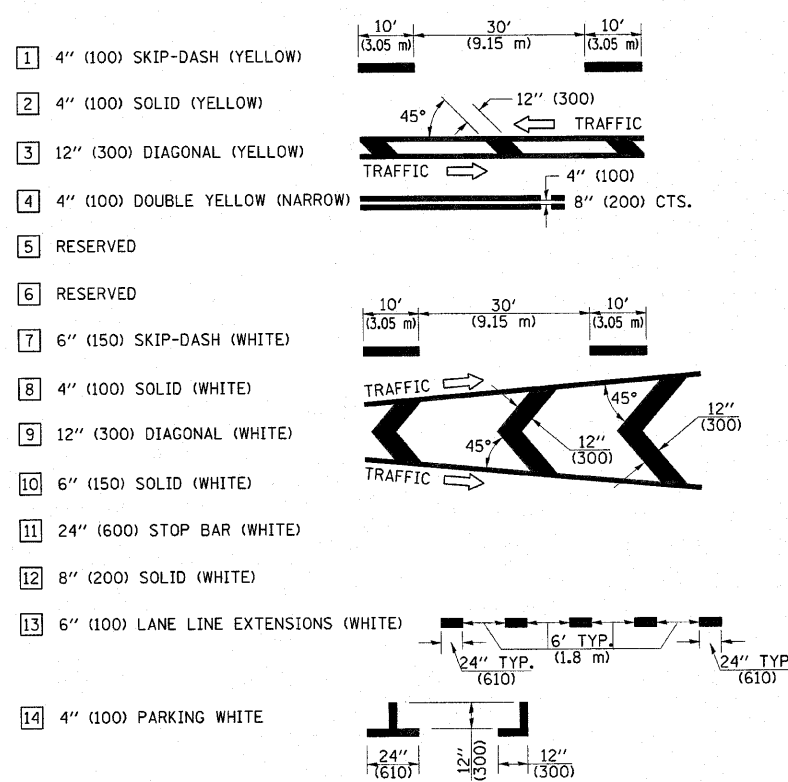
URBAN LEFT TURN



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

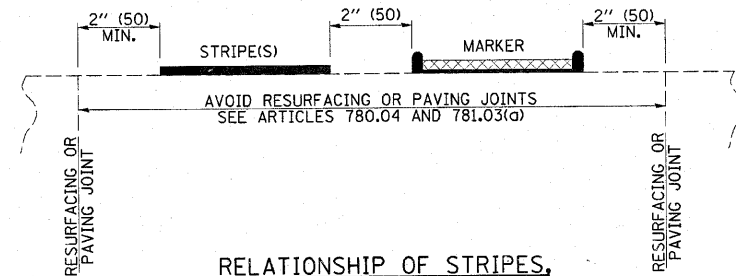
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

PAVEMENT MARKING LEGEND

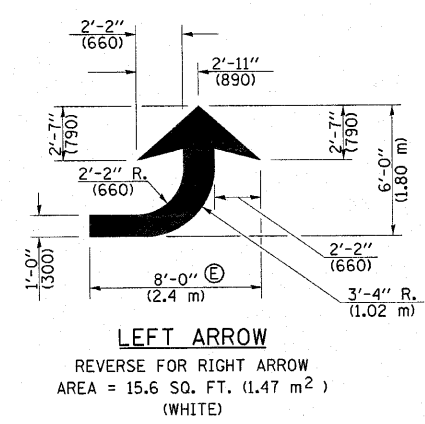


GENERAL NOTES

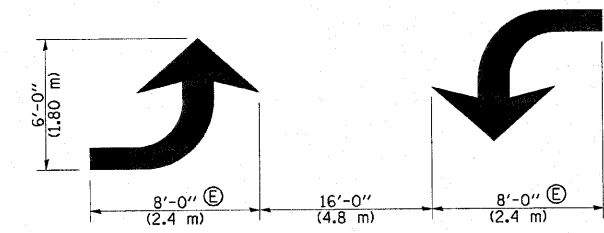
- Ⓐ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
- Ⓒ THE SOLID YELLOW PAVEMENT MARKINGS 2 SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT 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.
- Ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



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



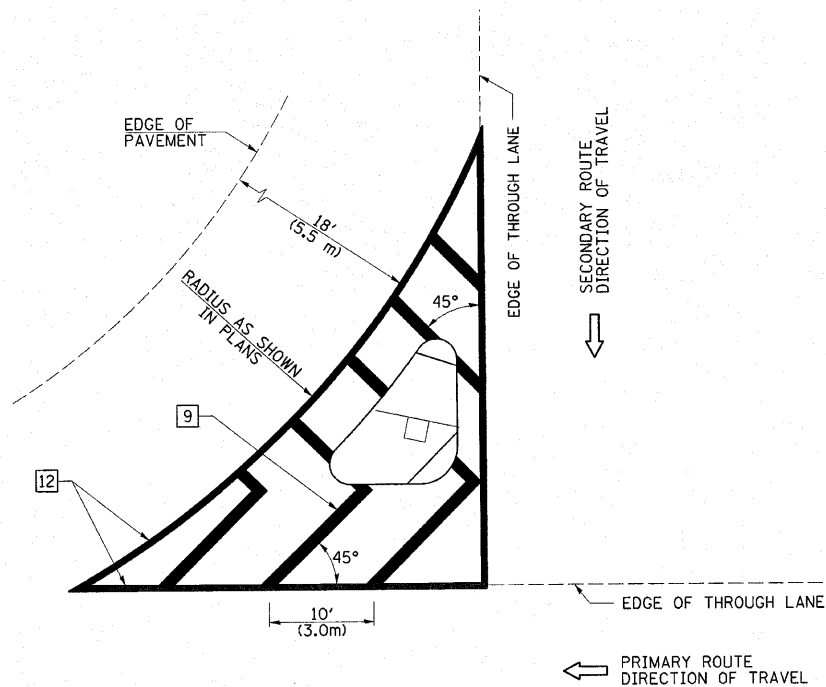
TYPICAL DOUBLE TURN ARROWS (WHITE)

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

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = swantzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca\pwwork\pwwork\swantzrw\d0186845\d774680-sht-details.dgn		DRAWN -	REVISED -			325	9RS-2, 10RS-4	SHELBY	46	43	
PLOT SCALE = 20.0000" / IN.		CHECKED -	REVISED -			CONTRACT NO. 74460					
PLOT DATE = 10/22/2010		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

ISLAND

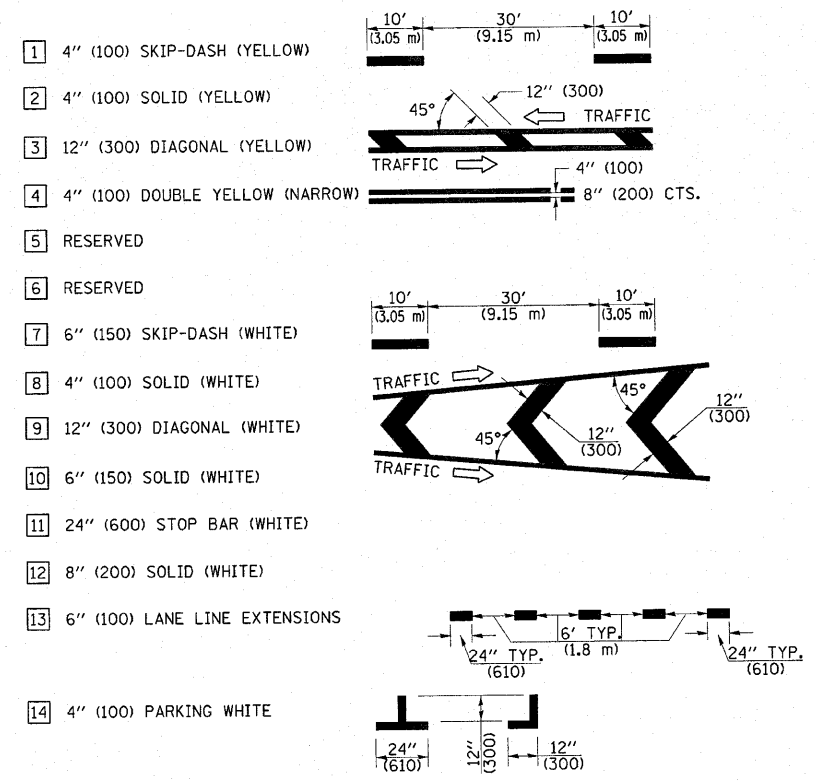


GENERAL NOTES

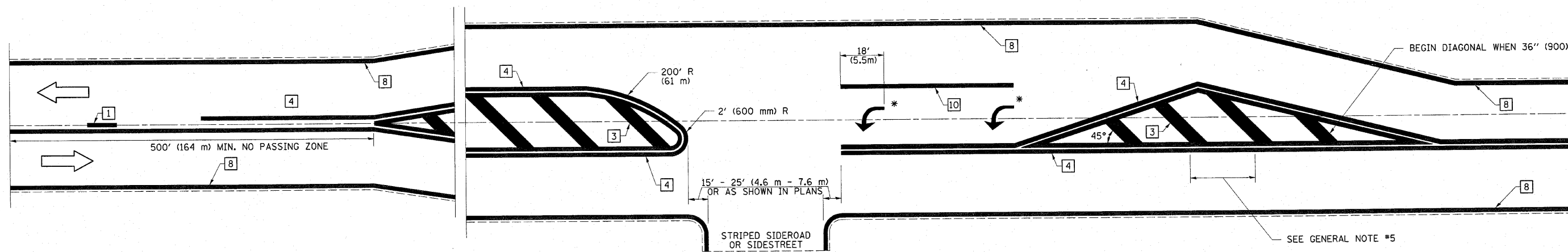
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING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

< 30 MPH (< 50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
> 45 MPH (> 75 km/h)	30' (9.0 m)

PAVEMENT MARKING LEGEND



RURAL LEFT TURN STRIPING



* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -
ca:\pw_work\pvidot\swartzrw\d0186045\d774	460-shtrdetails.dgn	DRAWN -	REVISED -
	PLOT SCALE = 20.0000" / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/22/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

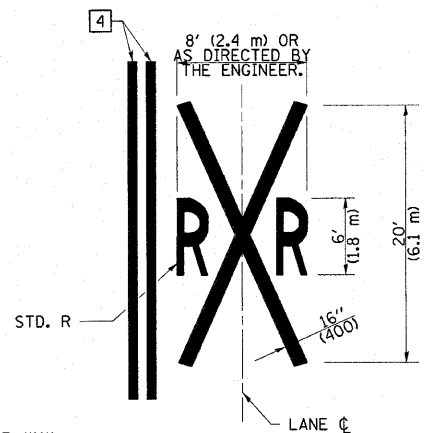
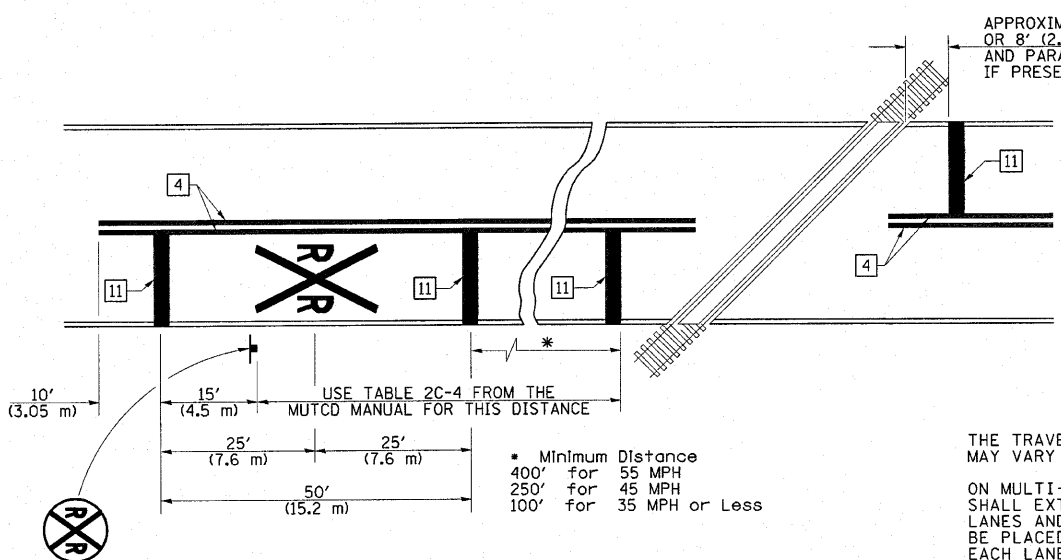
**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
(RURAL & URBAN APPLICATIONS)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	9RS-2, 10RS-4	SHELBY	46	44
CONTRACT NO. 74460				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

PAVEMENT MARKING LEGEND



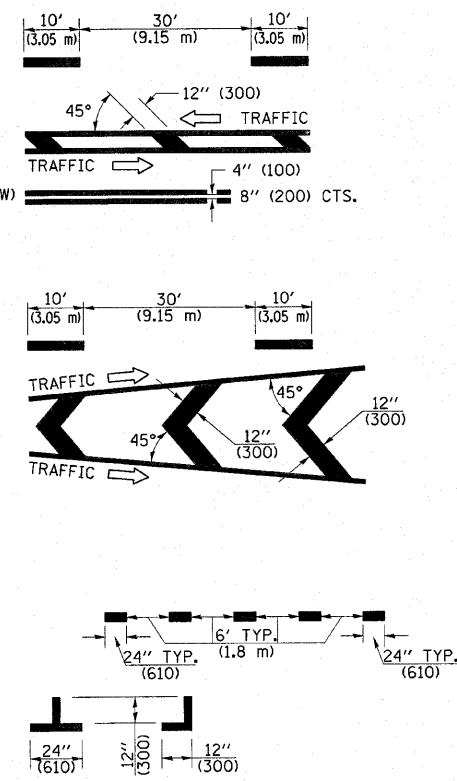
NOTES

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

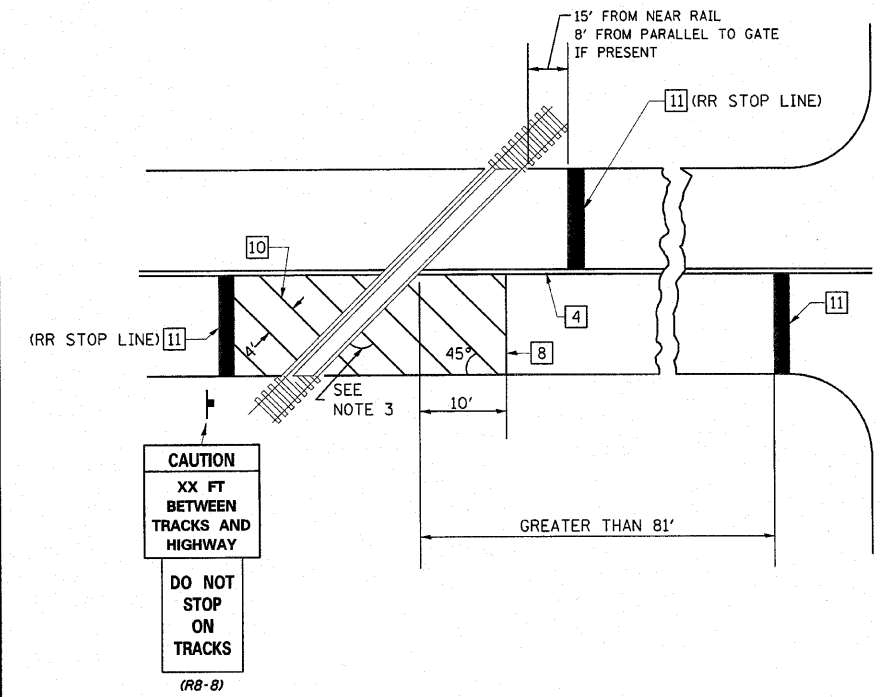
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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 11-1, CONDITION B OF THE MUTCD.

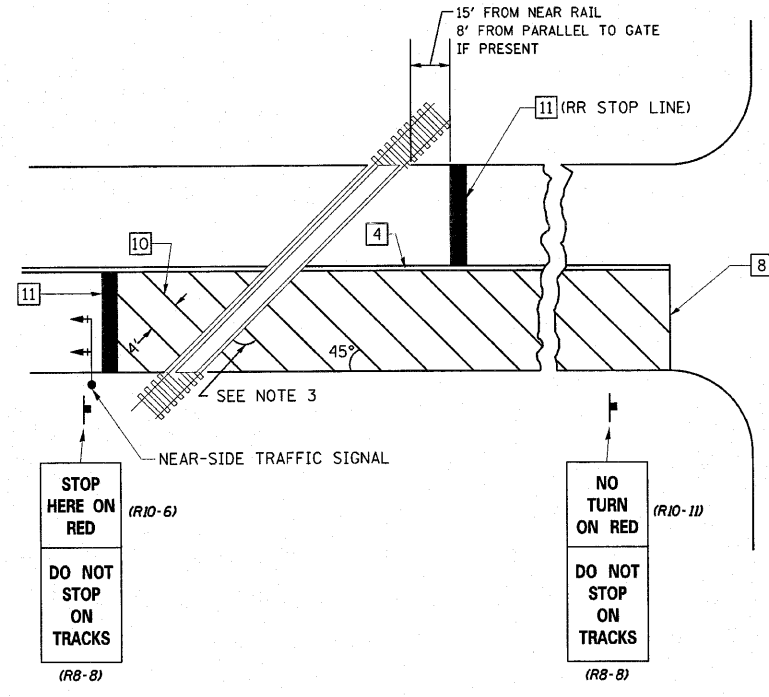
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (100) LANE LINE EXTENSIONS
- 14 4" (100) PARKING WHITE



RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
3. 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.

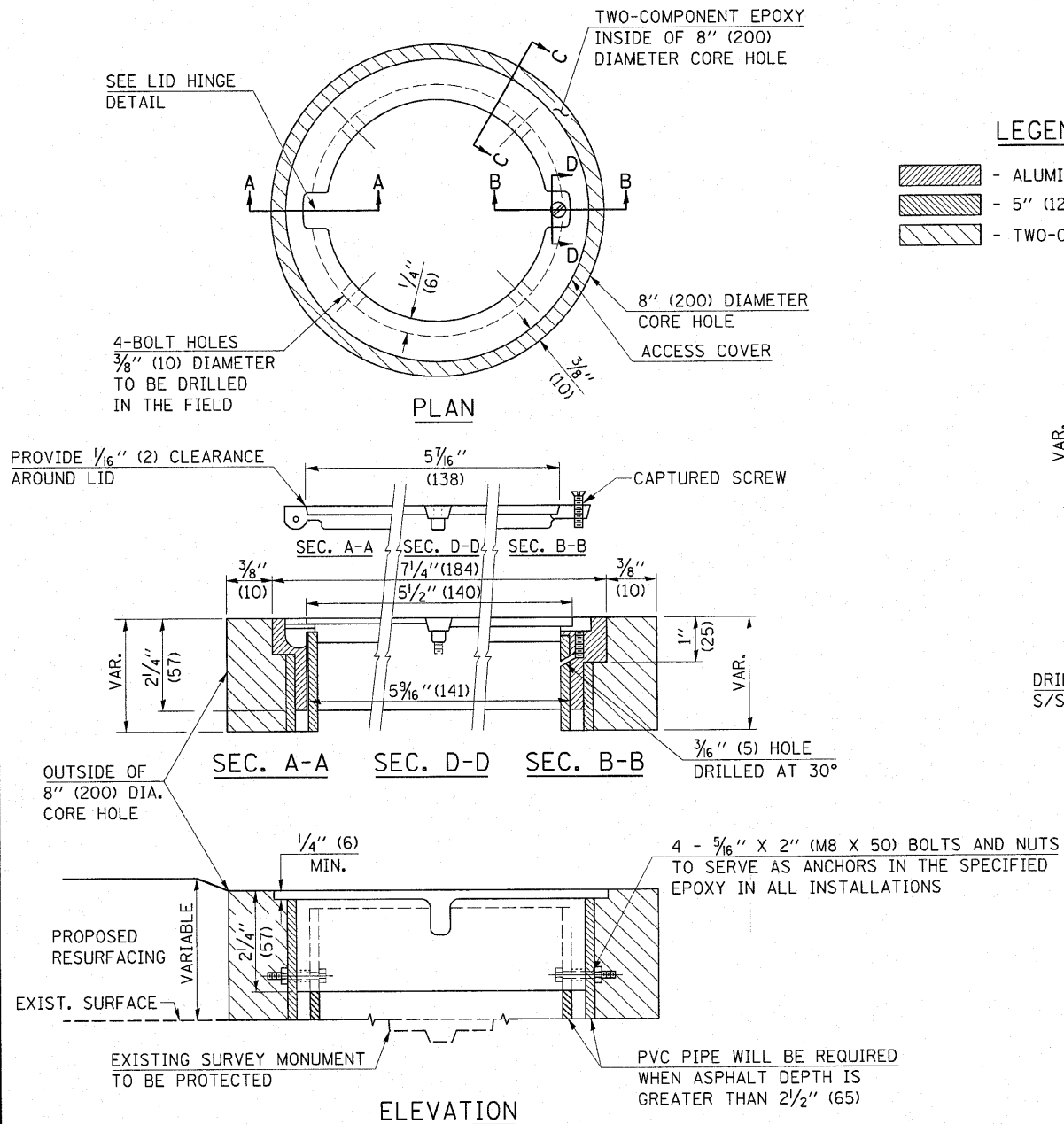
SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

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

DISTRICT 7 DETAIL NO. 7800001

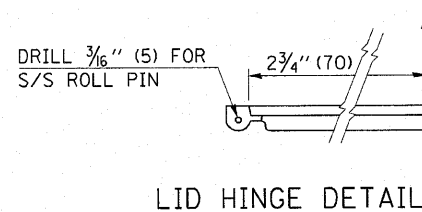
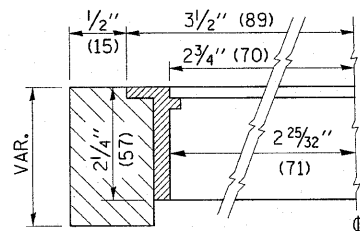
FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
01\pw\work\pilot\swartzw\d0186045\d77468-aht-details.dgn		DRAWN -	REVISED -			325	9RS-2, 10RS-4	SHELBY	46	45	
PLOT SCALE = 20,0000 1/ IN.		CHECKED -	REVISED -			SCALE: NA		SHEET NO. 4 OF 4 SHEETS		STA. TO STA.	
PLOT DATE = 10/22/2010		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

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



LEGEND

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



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

BILL OF MATERIAL

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

GENERAL NOTES

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

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

DISTRICT 7 DETAIL NO. Z0070100

FILE NAME =	USER NAME = swartrw	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SURVEY MONUMENT COVER ASSEMBLY	F.A.P. SECTION COUNTY TOTAL SHEETS SHEET NO.
02\pwork\pwork\swartrw\d0186045\d77460-sht-detail.dgn	DRAWN -	REVISED -	325 9RS-2, 10RS-4 SHELBY 46 46			
PLOT SCALE = 20.0000' / 1"	CHECKED -	REVISED -	CONTRACT NO. 74460			
PLOT DATE = 10/22/2010	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
				SCALE: NA	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.