

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 824 (US RTE 45)
SECTION (19,20)RS-4
PROJECT ACF-0824(020)
RESURFACING (3P)
COLES COUNTY
C-97-034-11

FOR INDEX OF SHEETS, SEE SHEET NO. 2

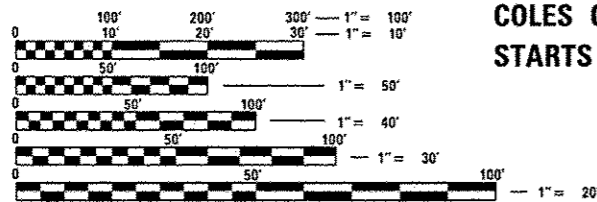
STATION EQUATIONS:

STA. 518 + 99.50 (BK) = STA. 5 + 29.30 (AH)
STA. 380 + 80.00 (BK) = STA. 100 + 00.00 (AH)
STA. 223 + 74.50 (BK) = STA. 505 + 61.40 (AH)

PAVING OMISSIONS:

STA. 73 + 30.67 TO STA. 73 + 89.33
STA. 142 + 50.63 TO STA. 143 + 70.89
STA. 541 + 03.96 TO STA. 541 + 94.04

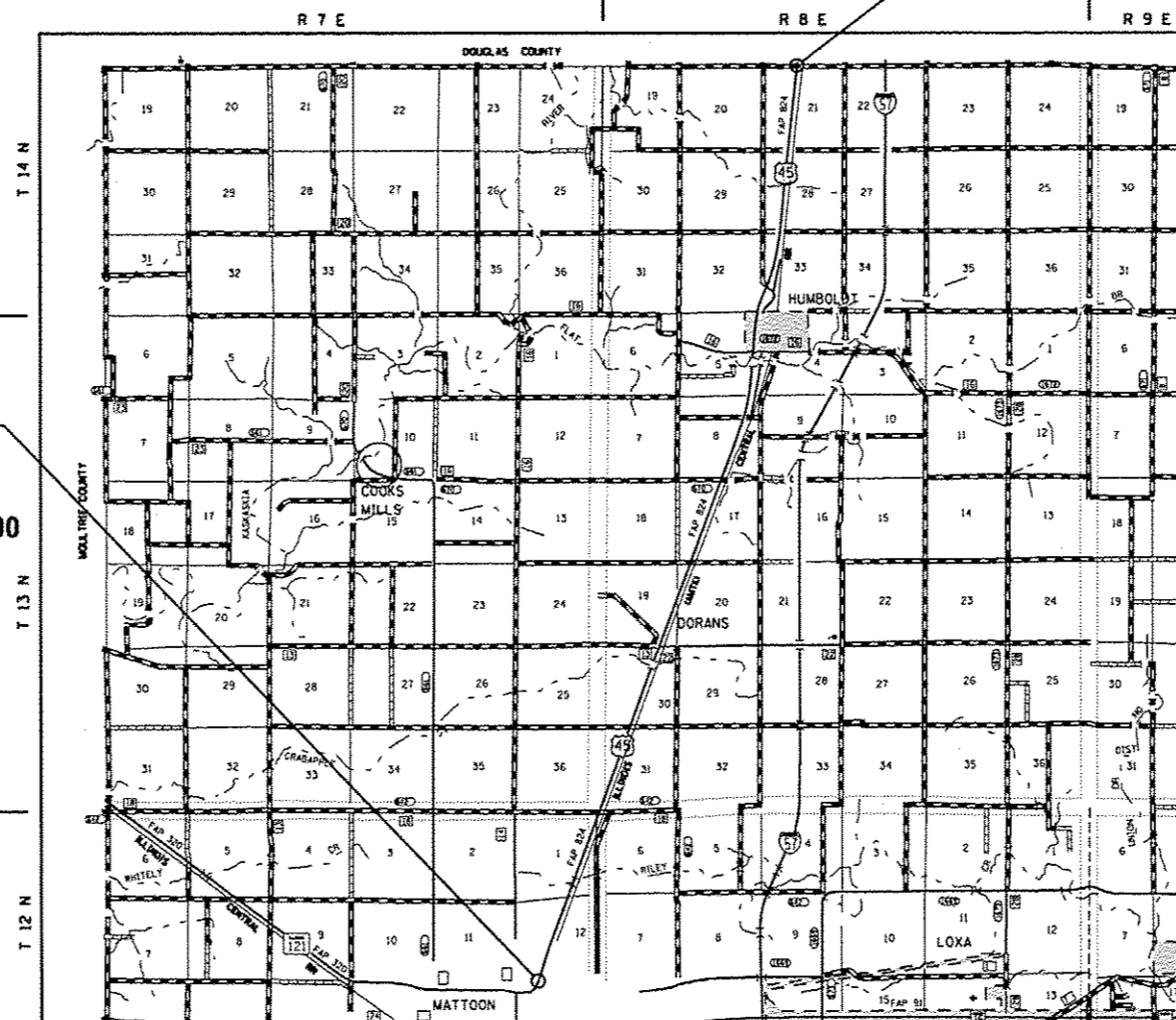
ADT = 3836 (2009)



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: NEIL SANDSCHAFFER
PHONE: (217)-342-8320
CONTRACT NO. 74511



GROSS LENGTH = 61,494.40 FT. = 11.65 MILES
NET LENGTH = 61,225.40 FT. = 11.60 MILES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	1
		ILLINOIS	CONTRACT NO. 74511	

D-97-011-11



LOCATION OF SECTION INDICATED THUS: —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Oct 2 2012
Roger L. Drishell
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 10 2013
John D. Baranzelli, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 10 2013
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS AND GENERAL NOTES
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23	ENTRANCE SCHEDULE
24-25	TIE POINTS
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27-47	PLAN SHEETS
48-52	PAVEMENT MARKING PLAN DETAILS
53-56	PAVEMENT MARKING DETAIL

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 56:

STD. NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-04	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-03	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 24, 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
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS >= 45 MPH
701901-02	TRAFFIC CONTROL DEVICES
780001-03	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" INDICATED ON THE CHECK SHEET, AND "THE SPECIAL PROVISIONS" INCLUDED IN THE PROPOSAL.

THIS PROJECT IS LOCATED ON FAP ROUTE 824 (US 45) IN COLES COUNTY. THE PROJECT BEGINS APPROXIMATELY 600 FEET NORTH OF DEWITT AVENUE IN MATTOON AND EXTENDS NORTH FOR 11.65 MILES TO THE DOUGLAS COUNTY LINE. THE WORK INCLUDED IN SECTION (19,20)RS-4 CONSISTS OF PAVEMENT PATCHING, HOT-MIX ASPHALT SURFACE REMOVAL, HOT-MIX ASPHALT LEVELING BINDER AND SURFACE COURSE, AGGREGATE SHOULDERS, PAVEMENT MARKING, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

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.

THE CONTRACTOR SHALL USE EITHER, RC-70, SS-1HP, OR SS1H 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.

THE PAY ITEM TEMPORARY RAMP HAS BEEN INCLUDED FOR THE CONSTRUCTION OF TEMPORARY RAMPS IN ACCORDANCE WITH ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS. THE COST SHALL INCLUDE BOTH THE INSTALLATION AND THE REMOVAL OF THE TEMPORARY RAMPS.

THE CONTRACTOR SHALL PLACE A HOT-MIX ASPHALT 4 FOOT WIDE FEATHER TAPER ON THE CONCRETE ENTRANCES LOCATED AT STA. 18+43.0 LT AND STA. 22+83.0 LT TO MATCH THE PROPOSED HOT-MIX ASPHALT SURFACE.

A UNIFORMLY STRAIGHT SAW CUT SHALL BE MADE AT LOCATIONS WHERE PROPOSED NEW CONSTRUCTION WILL ABUT EXISTING HOT-MIX ASPHALT SURFACES. THE SAW CUT SHALL BE MADE THE SAME DEPTH AS THE HOT-MIX ASPHALT SURFACE REMOVAL. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT ITEMS INVOLVED AND NO EXTRA COMPENSATION WILL BE ALLOWED.

GENERAL NOTES (Cont'd)

THE CONTRACTOR SHALL MAINTAIN DRAINAGE THROUGHOUT THE PROJECT PAYING SPECIAL ATTENTION TO ALL INLAY AREAS.

DURING RESURFACING AND PAVEMENT PATCHING OPERATIONS IN MATTOON, THE CONTRACTOR SHALL NOT OPERATE ROLLERS IN THE DYNAMIC MODE. ALL DENSITY REQUIREMENTS MUST STILL BE MET.

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

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.

SHOULD A PERMANENT SURVEY MARKER BE DISTURBED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE PERMANENT SURVEY MARKER RE-ESTABLISHED IN THE PROPER LOCATION BY A REGISTERED LAND SURVEYOR.

A DEPARTMENT OF NATURAL RESOURCES SENSITIVE AREA IS LOCATED AROUND S.N. 015-0024. THE CONTRACTOR SHALL CLEARLY DELINEATE THE AREA AND SHALL NOT PERFORM ANY OFF-ROAD ACTIVITIES, STORE ANY MATERIALS OR PARK ANY EQUIPMENT FROM STA. 71+50 TO STA. 75+50.

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), HOT-MIX ASPHALT LEVELING 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 THE MILLED SURFACES.

THE TOTAL QUANTITY OF RAISED REFLECTIVE PAVEMENT MARKERS IS 66 ONE-WAY AMBER MARKERS, 55 ONE WAY CRYSTAL MARKERS AND 802 TWO-WAY AMBER MARKERS FOR A TOTAL OF 923 RAISED REFLECTIVE PAVEMENT MARKERS.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

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:	IL-9.5
FRICTION AGGREGATE:	MIXTURE C

LEVELING BINDER (3/4")

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

INCIDENTAL SURFACING, (VAR.)

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

PARTIAL DEPTH PAVEMENT PATCHING (VAR.)

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

PAVEMENT PATCHING

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

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

BITUMINOUS MATERIALS (PRIME COAT)	0.10 GAL/SO YD
AGGREGATE (PRIME COAT)	4 LBS/SO YD
HOT-MIX ASPHALT	112 LBS/SO YD/INCH
GRANULAR MATERIAL	2.05 TONS/CU YD

FILE NAME :	USER NAME : steffernk	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE : 40,0000 ' = 1"		CHECKED :	REVISED :			CONTRACT NO. 74511				
PLOT DATE : 10/2/2012		DATE :	REVISED :			SCALE: NA	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	[ILLINOIS] FED. AID PROJECT

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		URBAN 0005 M231	RURAL 0005 M232
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	1061	167	894
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	23	2	21
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	17381	3530	13851
40600300	AGGREGATE (PRIME COAT)	TON	348	71	277
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	7921	1580	6341
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	667	267	400
40600990	TEMPORARY RAMP	SO YD	121	54	67
40603315	HOT-MIX ASPHALT SURFACE COURSE, "C", N70	MIX TON	15839	3160	12679
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	291	75	216
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	15345	9500	5845
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SO YD	8		8
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	205		205

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		URBAN 0005 M231	RURAL 0005 M232
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	40		40
44201823	CLASS D PATCHES, TYPE I, 15 INCH	SO YD	4		4
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SO YD	1451		1451
44201839	CLASS D PATCHES, TYPE II, 16 INCH	SO YD	1558	523	1035
44201843	CLASS D PATCHES, TYPE III, 16 INCH	SO YD	415	200	215
44201845	CLASS D PATCHES, TYPE IV, 16 INCH	SO YD	167	62	105
44201859	CLASS D PATCHES, TYPE I, 18 INCH	SO YD	4	4	
44201863	CLASS D PATCHES, TYPE II, 18 INCH	SO YD	51	35	16
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	4364	796	3568
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	7		7
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	1	5
67100100	MOBILIZATION	L SUM	1	0.2	0.8
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.2	0.8

FILE NAME :	USER NAME : staffennk	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NA	SHEET 1 OF 3 SHEETS	STA.	TO STA.

F.A.P. RTE. 824	SECTION (19,20)RS-4	COUNTY COLES	TOTAL SHEETS 56	SHEET NO. 3
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				

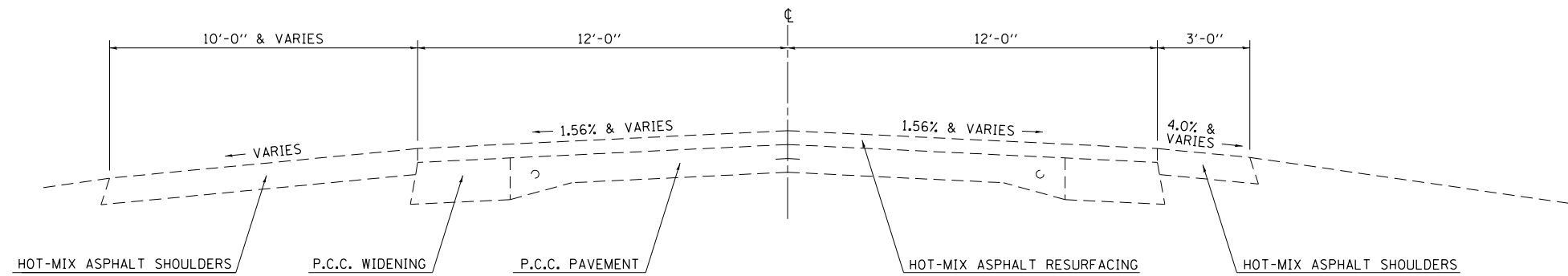
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70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.2	0.8
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.2	0.8
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	8	2	6
70300100	SHORT TERM PAVEMENT MARKING	FOOT	25856	5264	20592
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	468	156	312
70300220	TEMPORARY PAVEMENT MARKING LINE 4"	FOOT	147213	31111	116102
70300240	TEMPORARY PAVEMENT MARKING LINE 6"	FOOT	1824	560	1264
70300250	TEMPORARY PAVEMENT MARKING LINE 8"	FOOT	412	117	295
70300260	TEMPORARY PAVEMENT MARKING LINE 12"	FOOT	580	317	263
70300280	TEMPORARY PAVEMENT MARKING LINE 24"	FOOT	44		44

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		URBAN 0005 M231	RURAL 0005 M232
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	2155	439	1716
78000100	THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	468	156	312
78000200	THERMOPLASTIC PAVEMENT MARKING LINE 4"	FOOT	20230	7334	12896
78000400	THERMOPLASTIC PAVEMENT MARKING LINE 6"	FOOT	1824	560	1264
78000500	THERMOPLASTIC PAVEMENT MARKING LINE 8"	FOOT	412	117	295
78000600	THERMOPLASTIC PAVEMENT MARKING LINE 12"	FOOT	580	317	263
78000650	THERMOPLASTIC PAVEMENT MARKING LINE 24"	FOOT	44		44
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	126982	23777	103205
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	923	221	702
X4060995	TEMPORARY RAMP, SPECIAL	SO YD	71	40	31

EXISTING TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 516+21.90 TO STA. 518+47.87



NOTE: NOT DRAWN TO SCALE

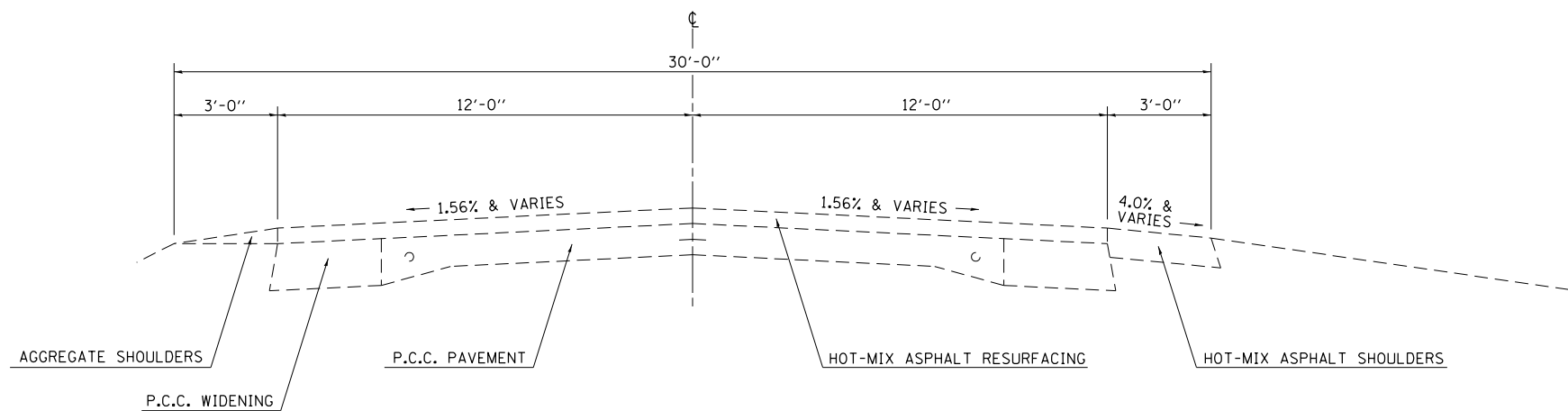
EXISTING TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 518+47.87 TO STA. 518+99.50

STA. 5+29.30 TO STA. 14+12.00

STATION EQUATION
STA. 518+99.50 (BK) = STA. 5+29.30 (AH)



NOTE: NOT DRAWN TO SCALE

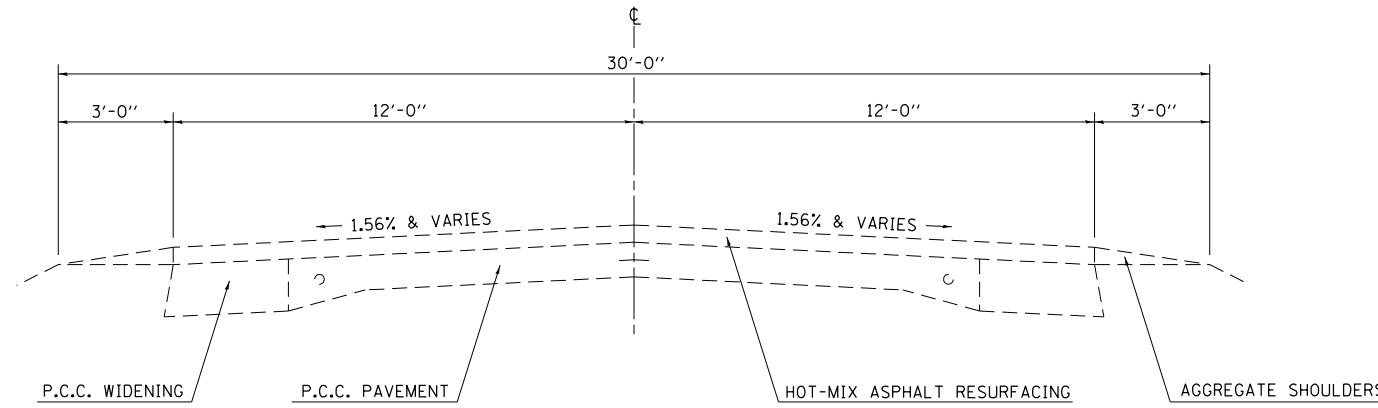
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PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -		SCALE: NA			SHEET NO. 1 OF 6 SHEETS			STA. TO STA.	
PLOT DATE = 10/2/2012		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
CONTRACT NO. 74511												

PAVING OMISSION
 STA. 73+30.67 TO STA. 73+89.33

EXISTING TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 14+12.00 TO STA. 73+30.67
 STA. 73+89.33 TO STA. 101+14.00
 STA. 127+59.00 TO STA. 163+90.71
 STA. 184+69.50 TO STA. 218+02.50

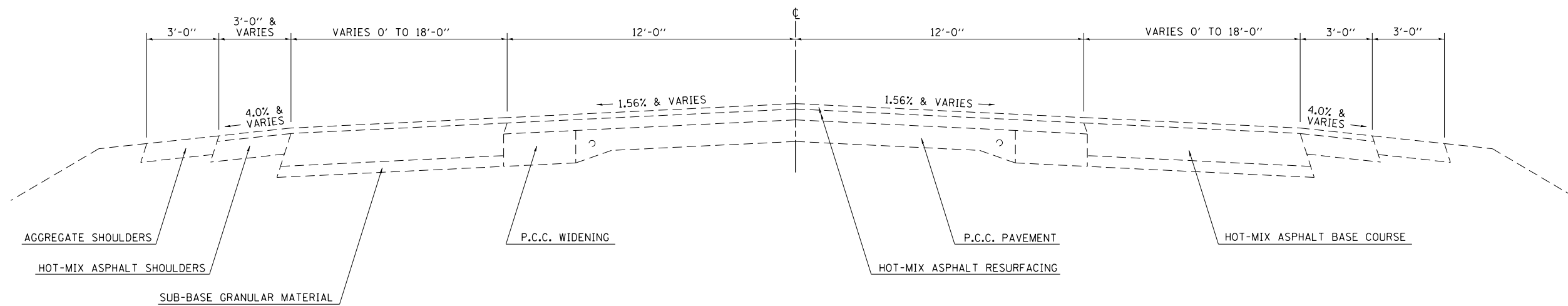


NOTE: NOT DRAWN TO SCALE

EXISTING TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 101+14.00 TO STA. 116+81.00



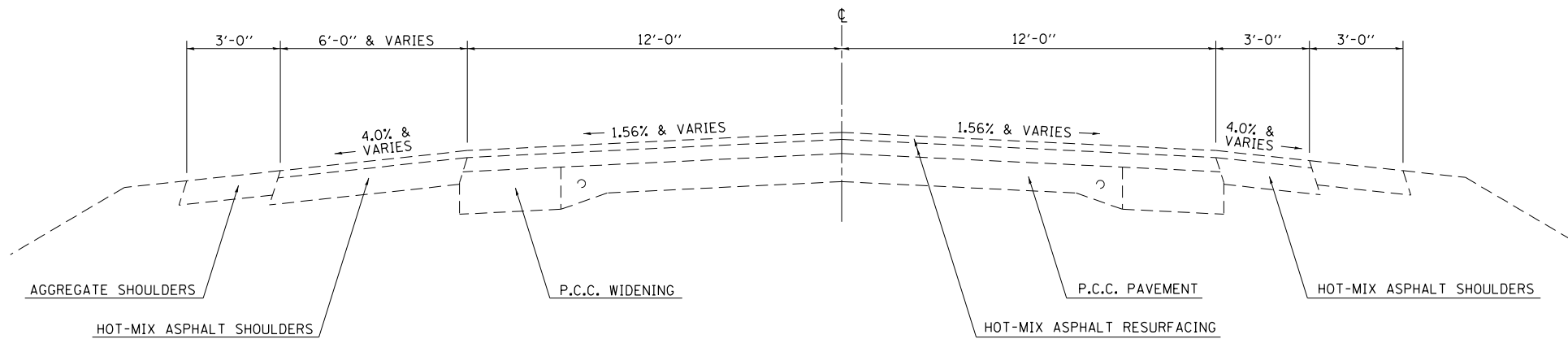
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PLOT DATE = 10/2/2012		DATE -	REVISED -		ILLINOIS FED. AID PROJECT			CONTRACT NO. 74511				

EXISTING TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 116+81.00 TO STA. 121+00.00

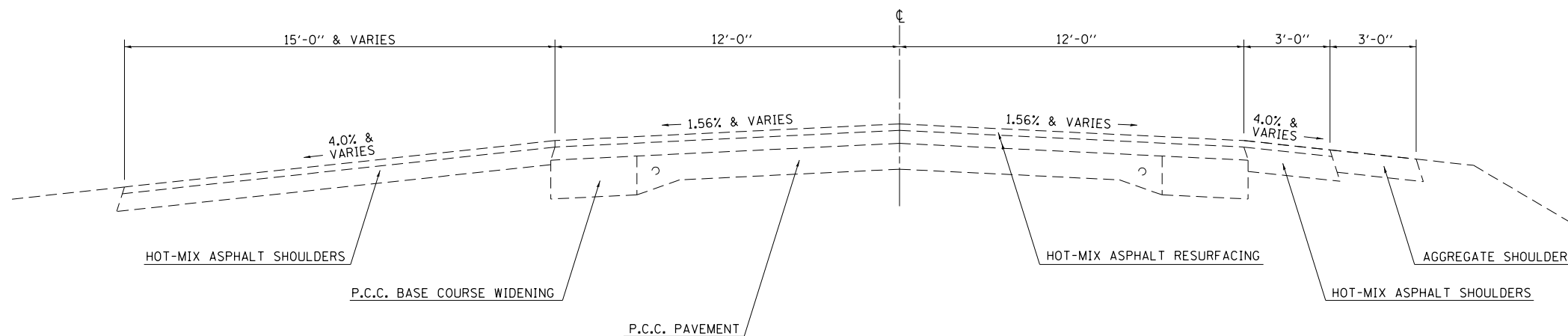


NOTE: NOT DRAWN TO SCALE

EXISTING TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 121+00.00 TO STA. 127+59.00



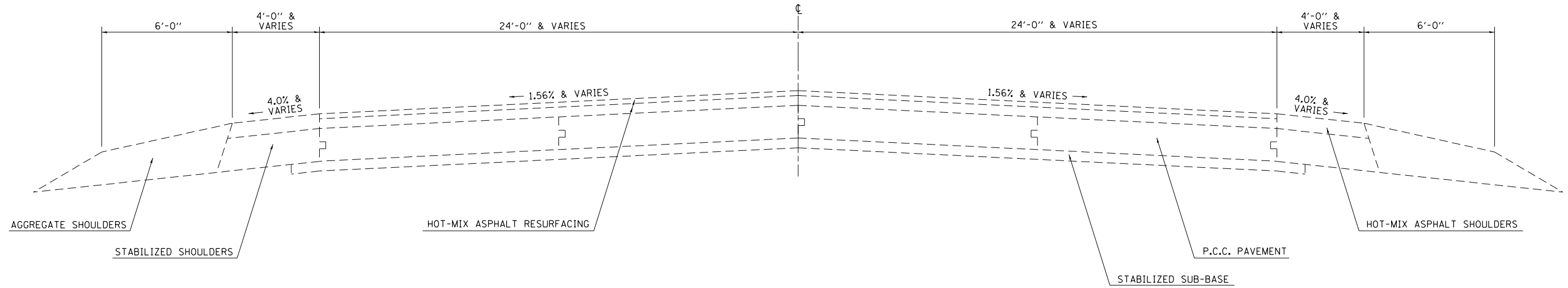
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	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -					824	(19,20)RS-4	COLES	56	8
PLOT DATE = 10/2/2012	DATE -	REVISED -	REVISED -		SCALE: NA	SHEET NO. 3 OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 74511			
ILLINOIS FED. AID PROJECT												

EXISTING TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 163+90.71 TO STA. 184+69.50



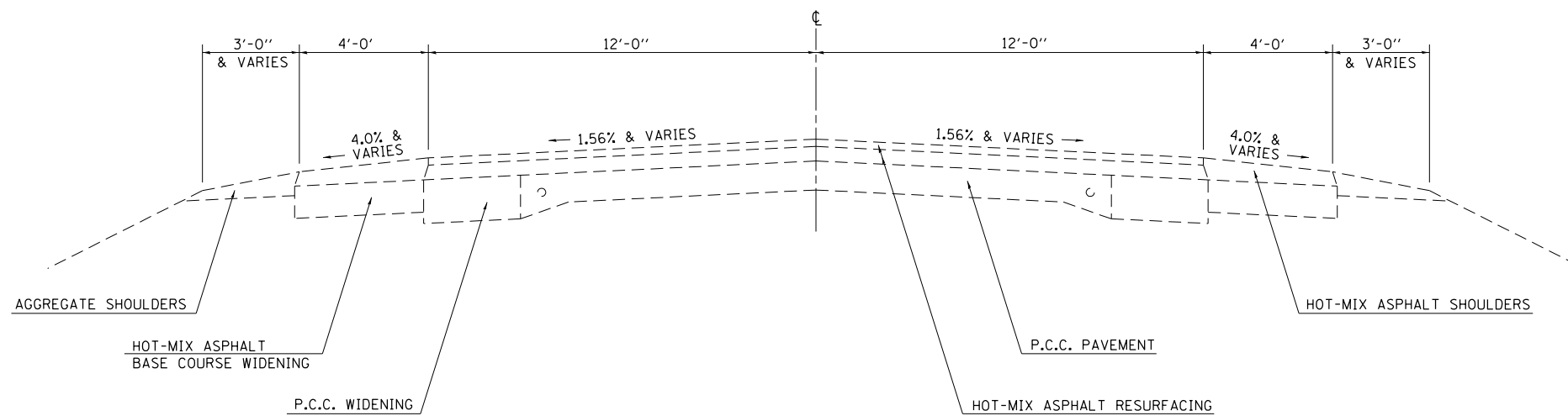
NOTE: NOT DRAWN TO SCALE

EXISTING TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 218+02.50 TO STA. 220+04.50

STA. 220+56.43 TO STA. 222+62.50



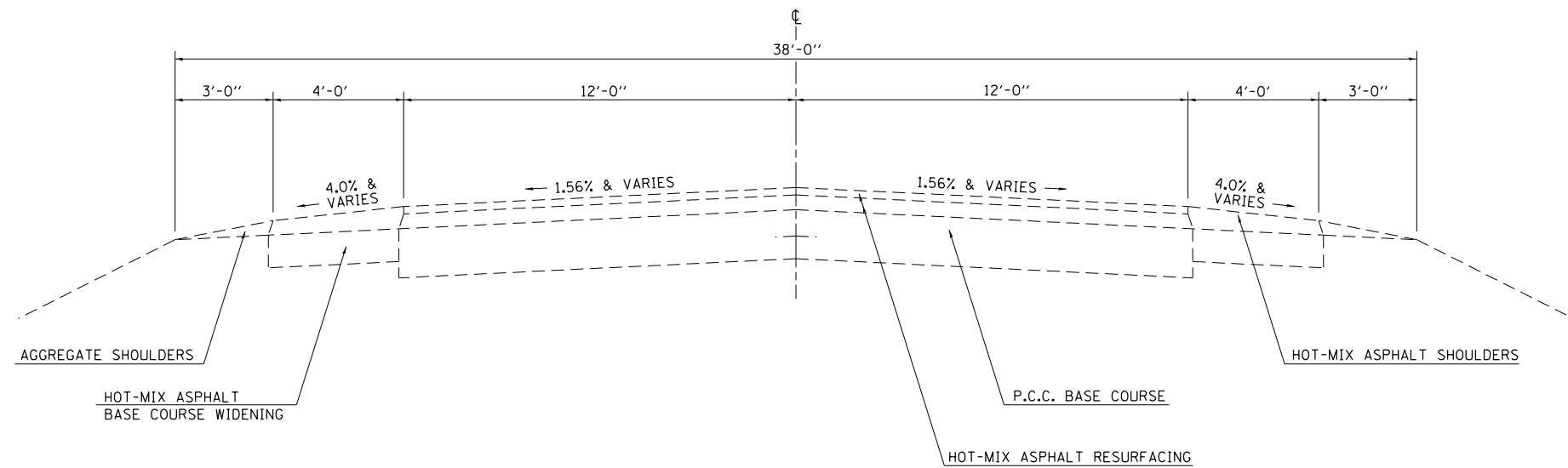
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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		SCALE: NA			SHEET NO. 4 OF 6 SHEETS		STA.	TO STA.	CONTRACT NO. 74511	
PLOT DATE = 10/2/2012		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

EXISTING TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 220+04.50 TO STA. 220+56.43

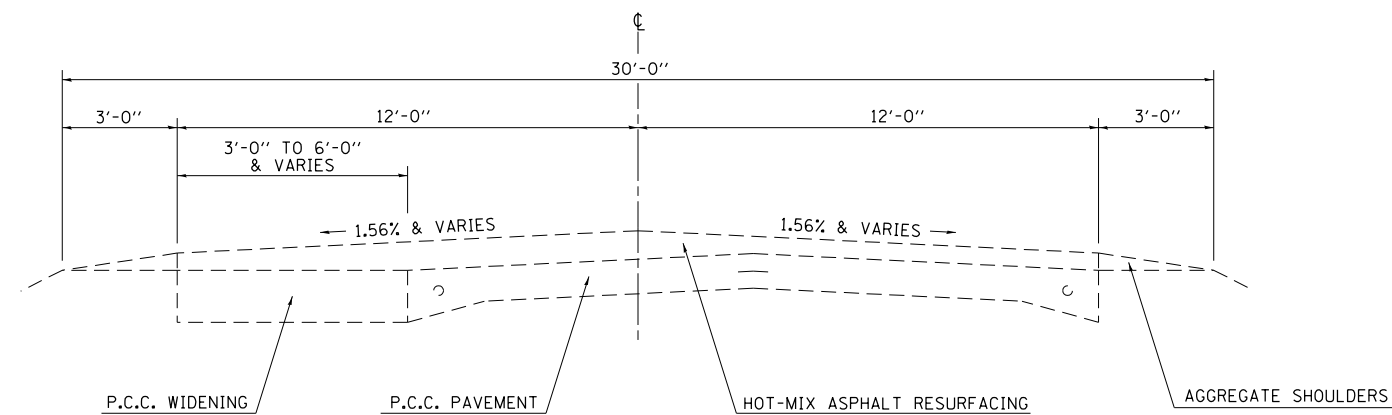


NOTE: NOT DRAWN TO SCALE

EXISTING TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 222+62.50 TO STA. 254+39.00



NOTE: NOT DRAWN TO SCALE

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL CROSS SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwork\pwork\stevfenmk\d0249325\d74511-sh-typicals.dgn		DRAWN -	REVISED -					824	(19,20)RS-4	COLES	56	10
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		SCALE: NA			SHEET NO. 5 OF 6 SHEETS			STA. TO STA.	
	PLOT DATE = 10/2/2012	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

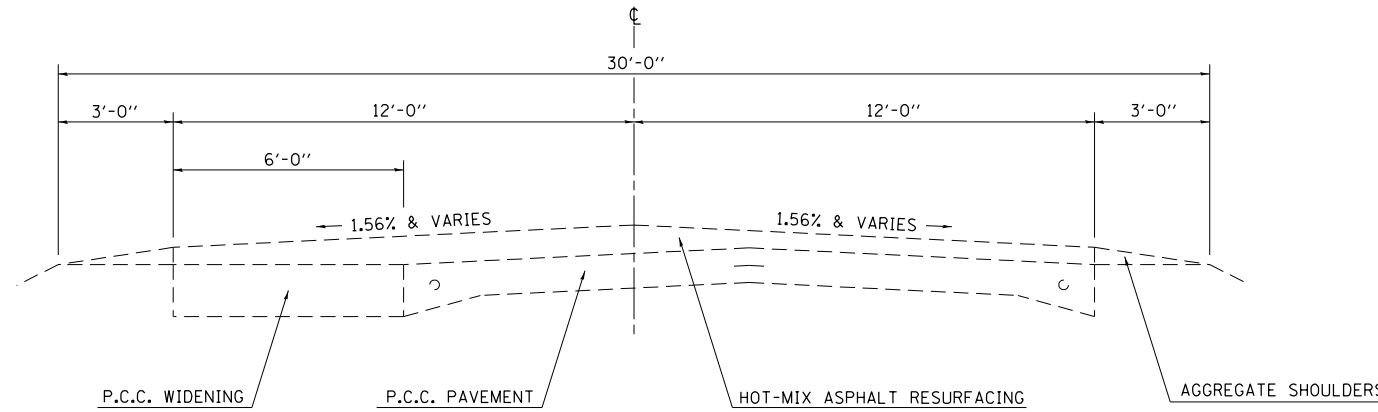
EXISTING TYPICAL CROSS SECTION

U. S. ROUTE 45

STATION EQUATION
 STA. 380+80.00 (BK) = STA. 100+00.00 (AH)

STA. 254+39.00 TO STA. 380+80.00
 STA. 100+00.00 TO STA. 100+14.59
 STA. 505+61.40 TO STA. 541+03.96
 STA. 541+94.04 TO STA. 618+53.00

PAVING OMISSION
 STA. 541+03.96 TO STA. 541+94.04



NOTE: NOT DRAWN TO SCALE

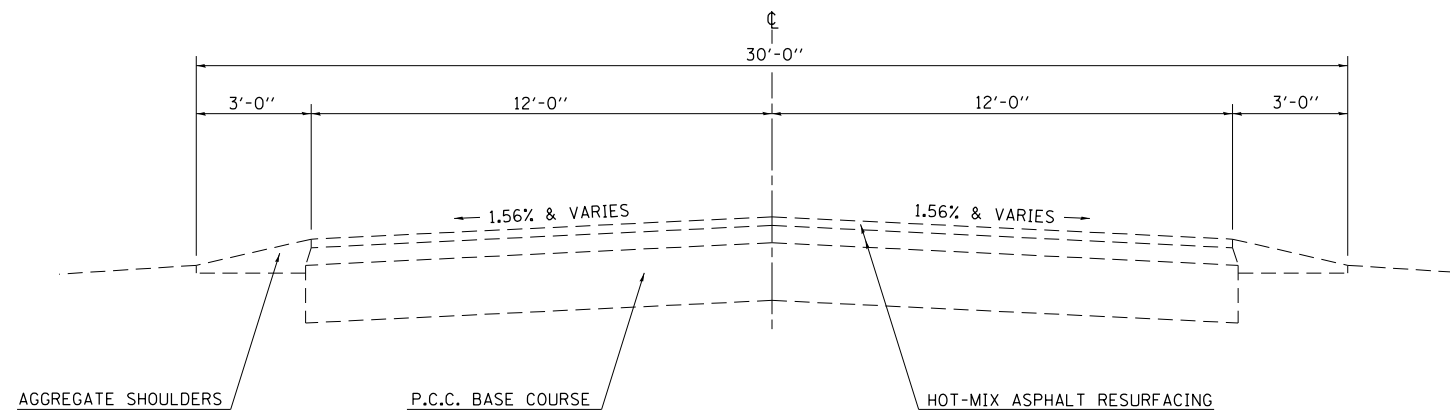
EXISTING TYPICAL CROSS SECTION

U. S. ROUTE 45

STATION EQUATION
 STA. 223+74.50 (BK) = STA. 505+61.40 (AH)

STA. 100+14.59 TO STA. 142+50.63
 STA. 143+70.89 TO STA. 223+74.50

PAVING OMISSION
 STA. 142+50.63 TO STA. 143+70.89

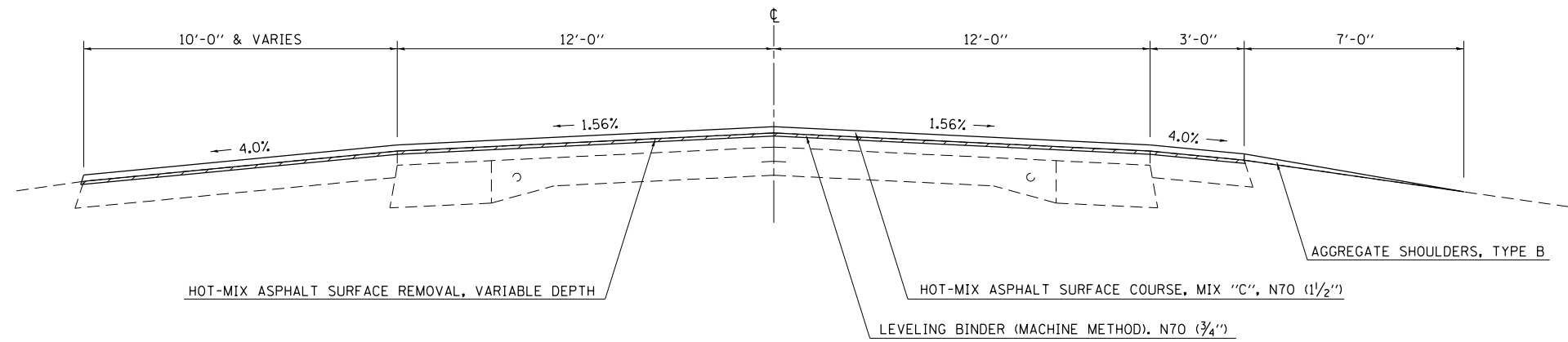


NOTE: NOT DRAWN TO SCALE

FILE NAME = c:\pwork\pwork\stefhenk\d0249325\d74511-sh-typicals.dgn	USER NAME = stefhenk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL CROSS SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		824	(19,20)RS-4	COLES	56	11			
PLOT DATE = 10/2/2012	DATE -	REVISED -	SCALE: NA		SHEET NO. 6 OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT												

PROPOSED TYPICAL CROSS SECTION

U. S. ROUTE 45
STA. 516+21.90 TO STA. 518+47.87



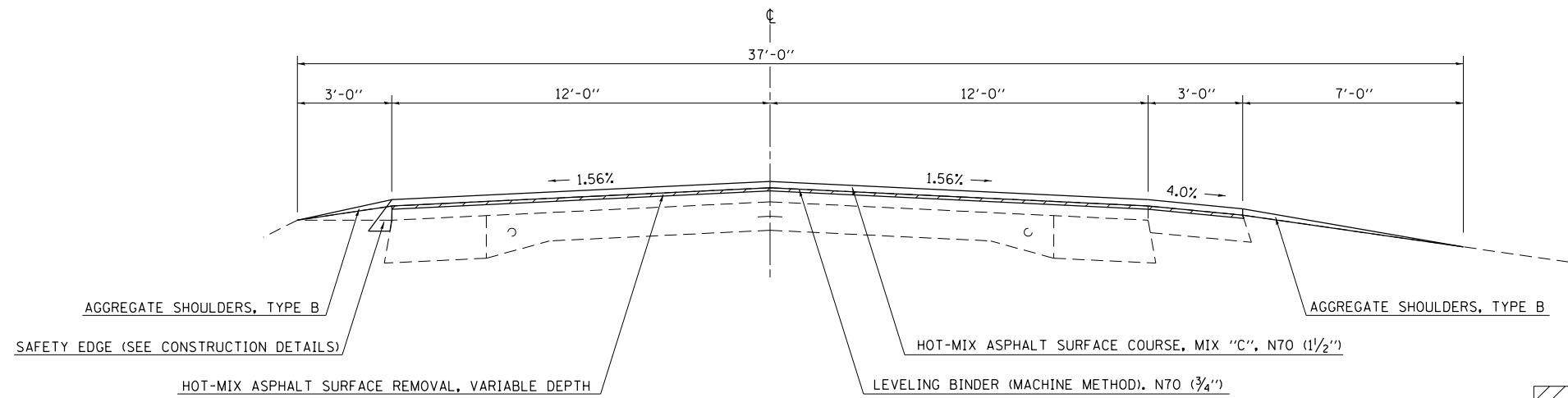
HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

NOTE: NOT DRAWN TO SCALE

PROPOSED TYPICAL CROSS SECTION

STATION EQUATION
STA. 518+99.50 (BK) = STA. 5+29.30 (AH)

U. S. ROUTE 45
STA. 518+47.87 TO STA. 518+99.50
STA. 5+29.30 TO STA. 14+12.00



HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

NOTE: NOT DRAWN TO SCALE

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 10/2/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL CROSS SECTION

SCALE: NA SHEET NO. 1 OF 6 SHEETS STA. TO STA.

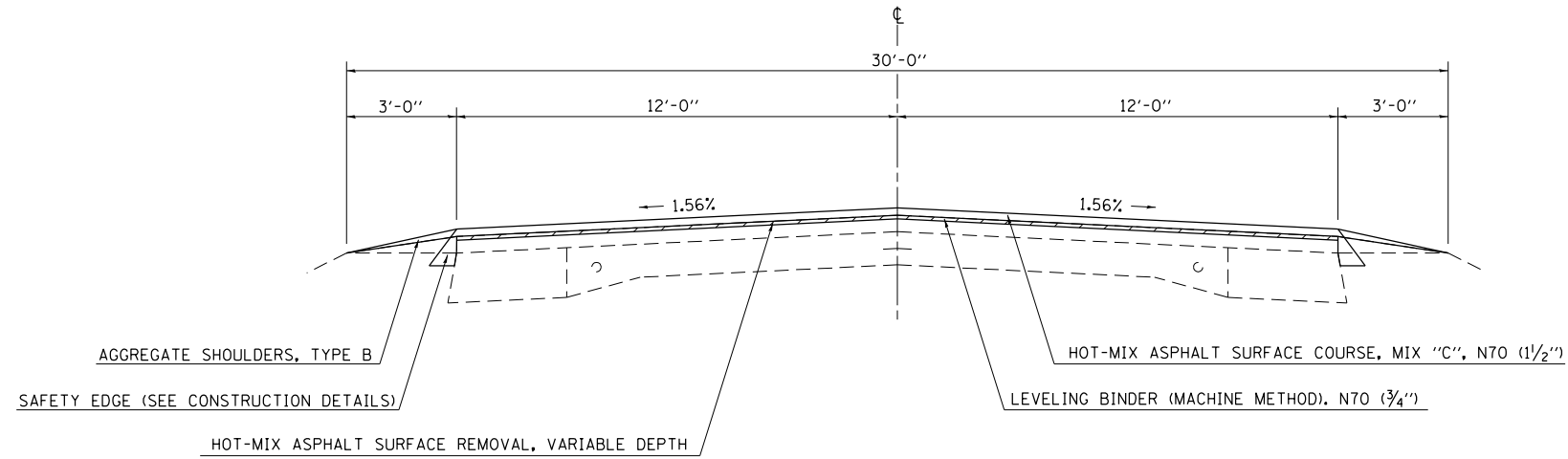
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	12
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				

PAVING OMISSION
 STA. 73+30.67 TO STA. 73+89.33

PROPOSED TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 14+12.00 TO STA. 73+30.67
 STA. 73+89.33 TO STA. 101+14.00
 STA. 127+59.00 TO STA. 163+90.71
 STA. 184+69.50 TO STA. 218+02.50



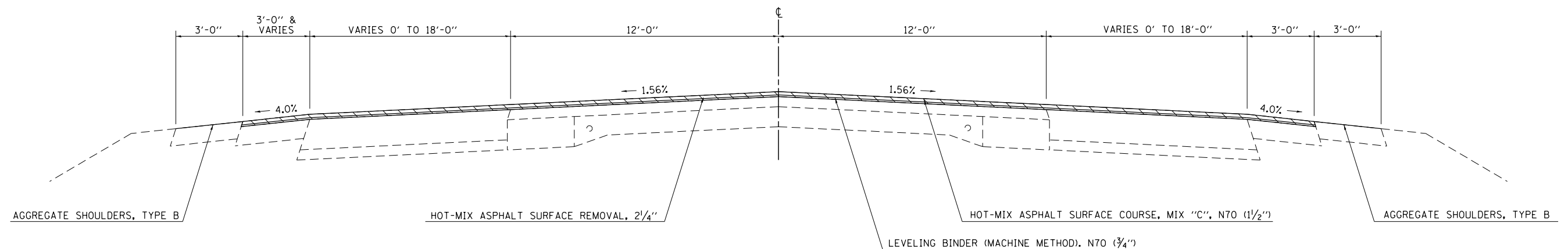
HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

NOTE: NOT DRAWN TO SCALE

PROPOSED TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 101+14.00 TO STA. 116+81.00



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

NOTE: NOT DRAWN TO SCALE

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -
	PLOT DATE = 10/2/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL CROSS SECTION

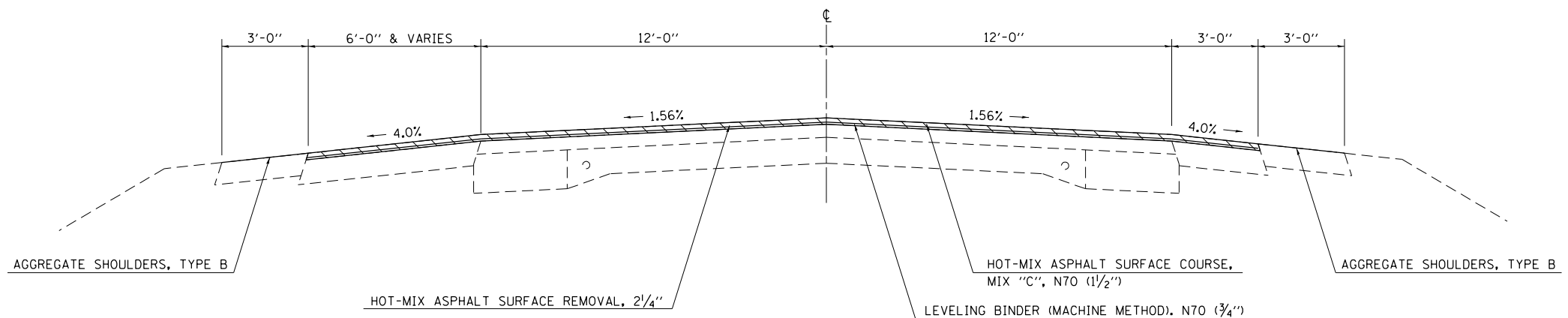
SCALE: NA SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	13
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				

PROPOSED TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 116+81.00 TO STA. 121+00.00



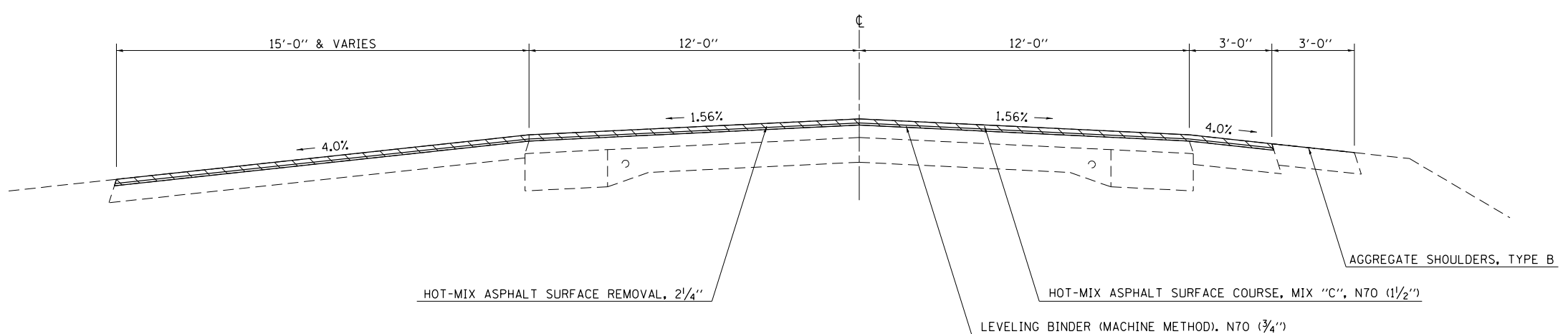
 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

NOTE: NOT DRAWN TO SCALE

PROPOSED TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 121+00.00 TO STA. 127+59.00



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

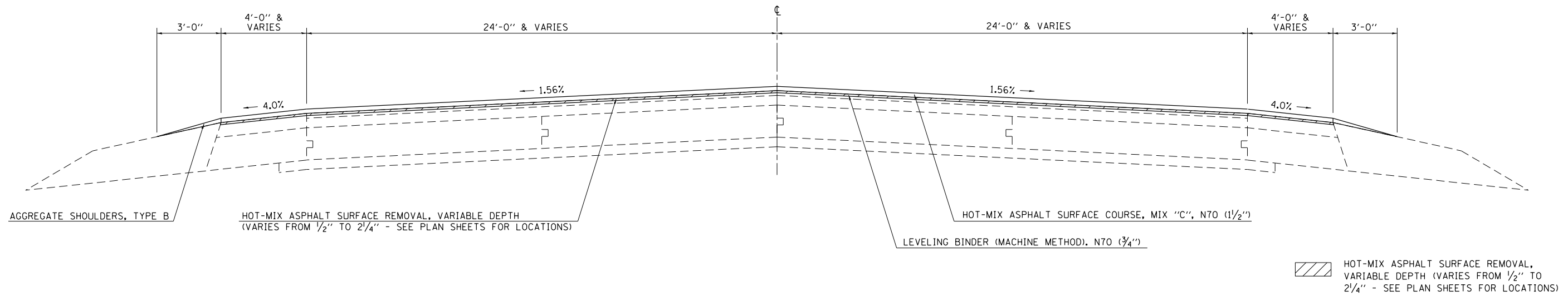
NOTE: NOT DRAWN TO SCALE


FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL CROSS SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\pwork\pwork\stevfenmk\d0249325\d74511-sh-typicals.dgn		DRAWN -	REVISED -		824	(19,20)RS-4	COLES	56	14				
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		SCALE: NA			SHEET NO. 3 OF 6 SHEETS		STA.	TO STA.	CONTRACT NO. 74511	
PLOT DATE = 10/2/2012		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

PROPOSED TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 163+90.71 TO STA. 184+69.50



 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (VARIES FROM 1/2" TO 2/4" - SEE PLAN SHEETS FOR LOCATIONS)

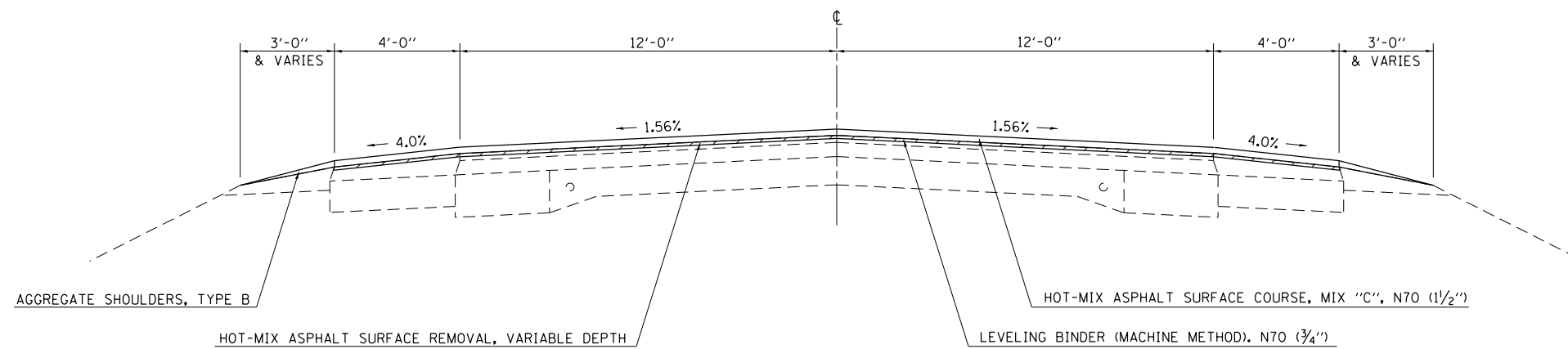
NOTE: NOT DRAWN TO SCALE


PROPOSED TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 218+02.50 TO STA. 220+04.50

STA. 220+56.43 TO STA. 222+62.50



 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

NOTE: NOT DRAWN TO SCALE

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
ei:\pwork\pwork\stevfenmk\d0249325\d74511-sh-typicals.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 10/2/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL CROSS SECTION

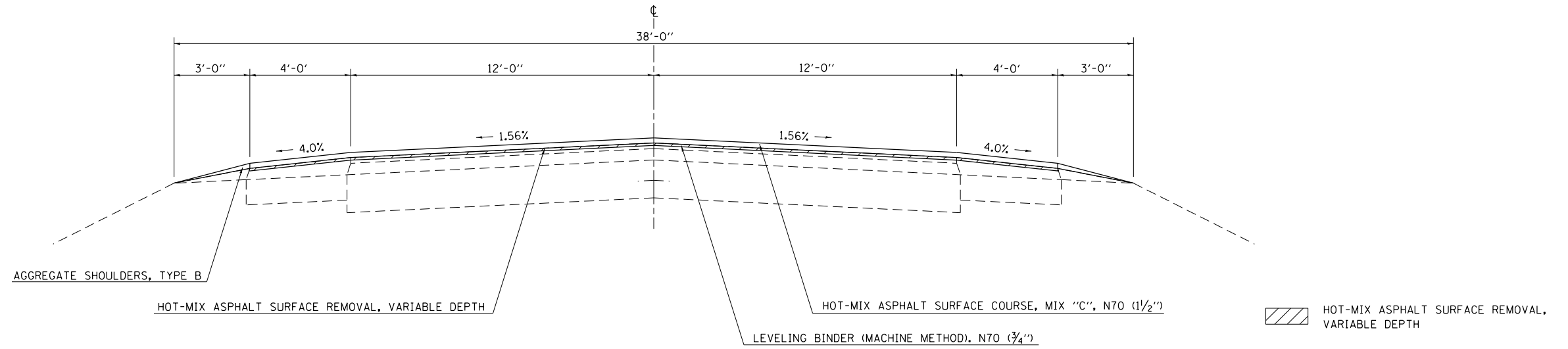
SCALE: NA SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	15
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				

PROPOSED TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 220+04.50 TO STA. 220+56.43



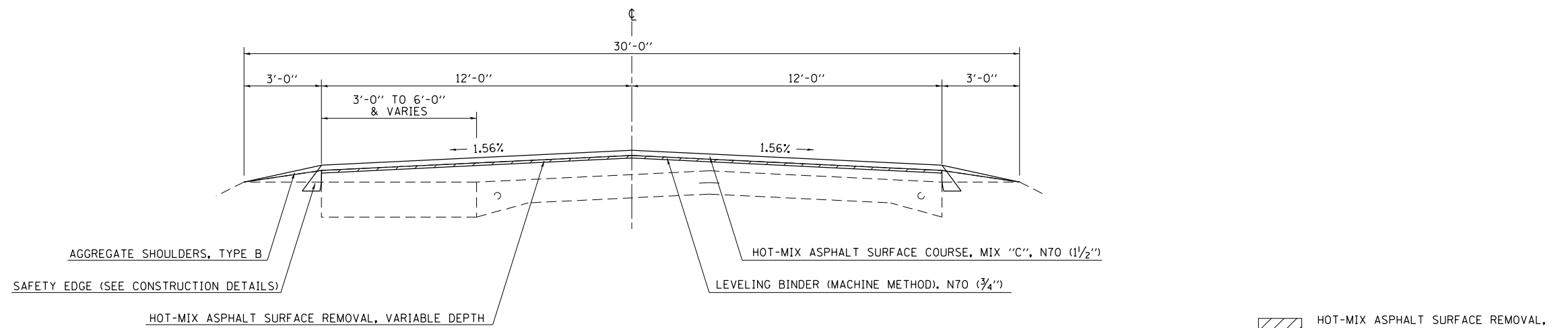
 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

NOTE: NOT DRAWN TO SCALE

PROPOSED TYPICAL CROSS SECTION

U. S. ROUTE 45

STA. 222+62.50 TO STA. 254+39.00



 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

NOTE: NOT DRAWN TO SCALE

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
ci:\pwork\pwork\steffenmk\d0249325\d74511-sh-typicals.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 10/2/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL CROSS SECTION

SCALE: NA SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	16
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				

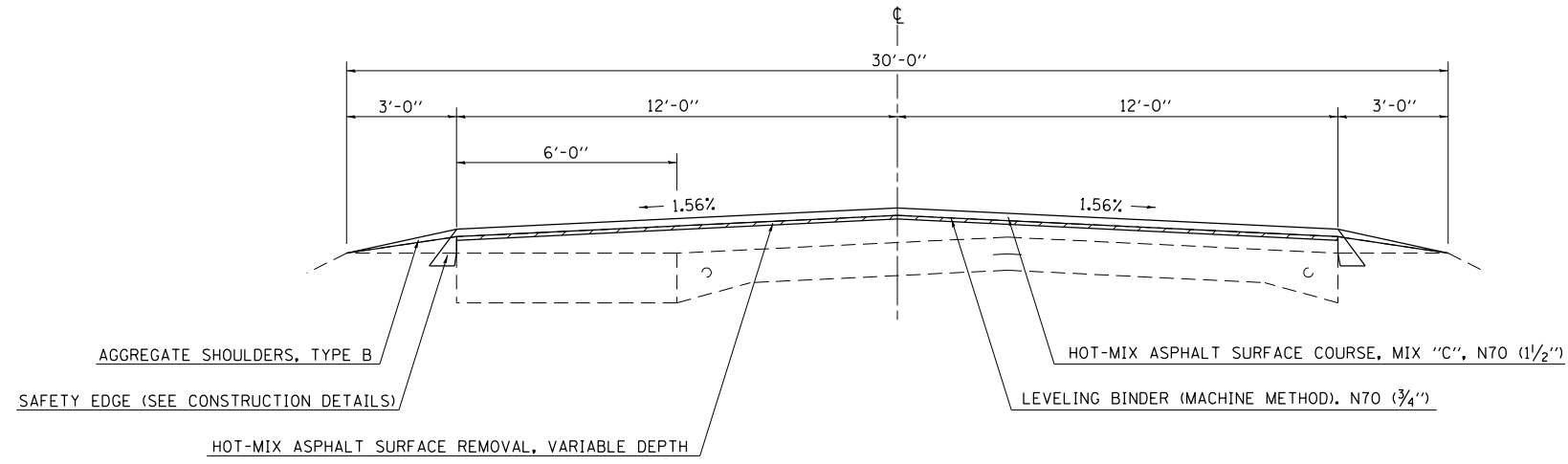
PROPOSED TYPICAL CROSS SECTION

U. S. ROUTE 45

STATION EQUATION
 STA. 380+80.00 (BK) = STA. 100+00.00 (AH)

STA. 254+39.00 TO STA. 380+80.00
 STA. 100+00.00 TO STA. 100+14.59
 STA. 505+61.40 TO STA. 541+03.96
 STA. 541+94.04 TO STA. 618+53.00

PAVING OMISSION
 STA. 541+03.96 TO STA. 541+94.04



HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

NOTE: NOT DRAWN TO SCALE

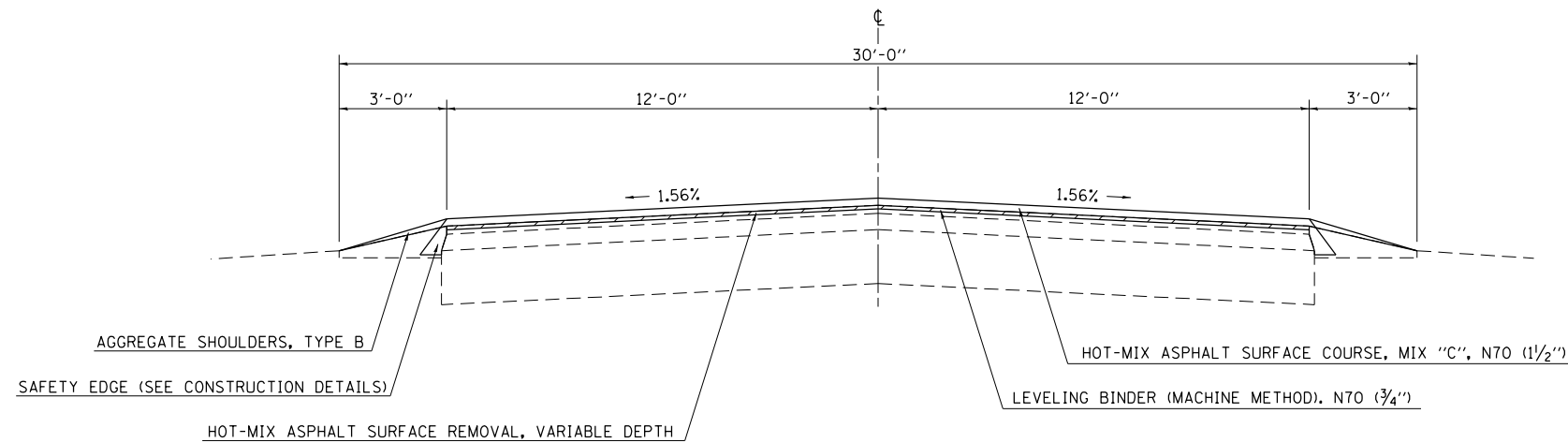
PROPOSED TYPICAL CROSS SECTION

U. S. ROUTE 45

STATION EQUATION
 STA. 223+74.50 (BK) = STA. 505+61.40 (AH)

STA. 100+14.59 TO STA. 142+50.63
 STA. 143+70.89 TO STA. 223+74.50

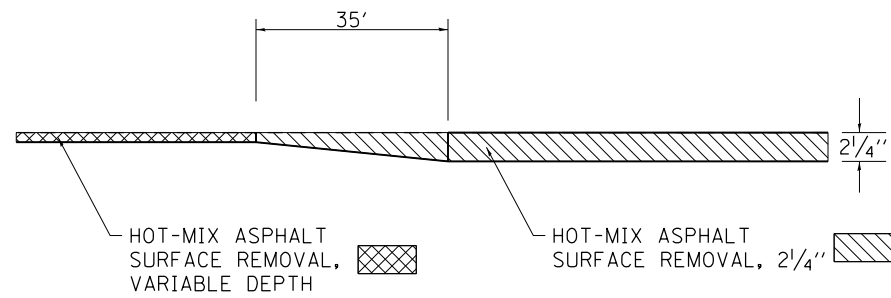
PAVING OMISSION
 STA. 142+50.63 TO STA. 143+70.89



HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

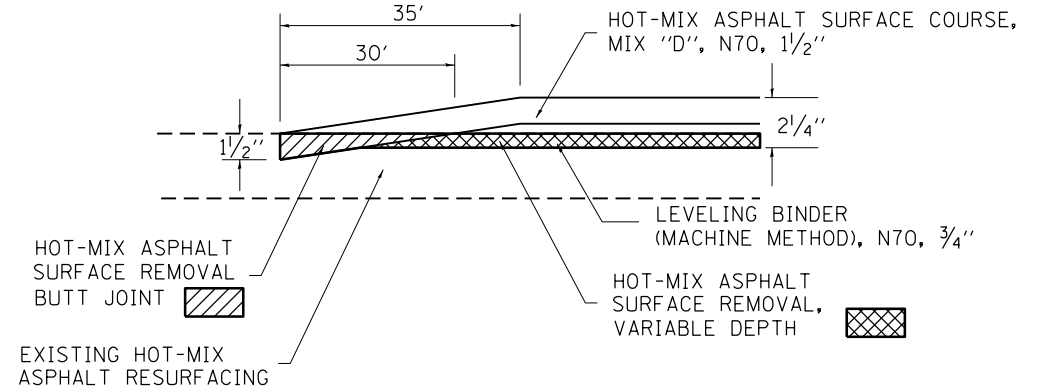
NOTE: NOT DRAWN TO SCALE

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL CROSS SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwork\pwork\stevfenmk\d0249325\d74511-sh-typicals.dgn		DRAWN -	REVISED -		824	(19,20)RS-4	COLES	56	17			
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		SCALE: NA SHEET NO. 6 OF 6 SHEETS STA. TO STA.			CONTRACT NO. 74511				
PLOT DATE = 10/2/2012		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

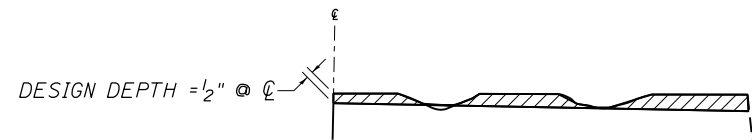


MILLING TRANSITION DETAIL

MILLING TRANSITIONS
STA 71+88.00 TO STA 72+23.00
STA 75+40.00 TO STA 75+75.00
STA 100+79.00 TO STA 101+14.00
STA 127+59.00 TO STA 127+94.00
STA 175+73.47 TO STA 176+08.47
STA 178+62.08 TO STA 178+97.08



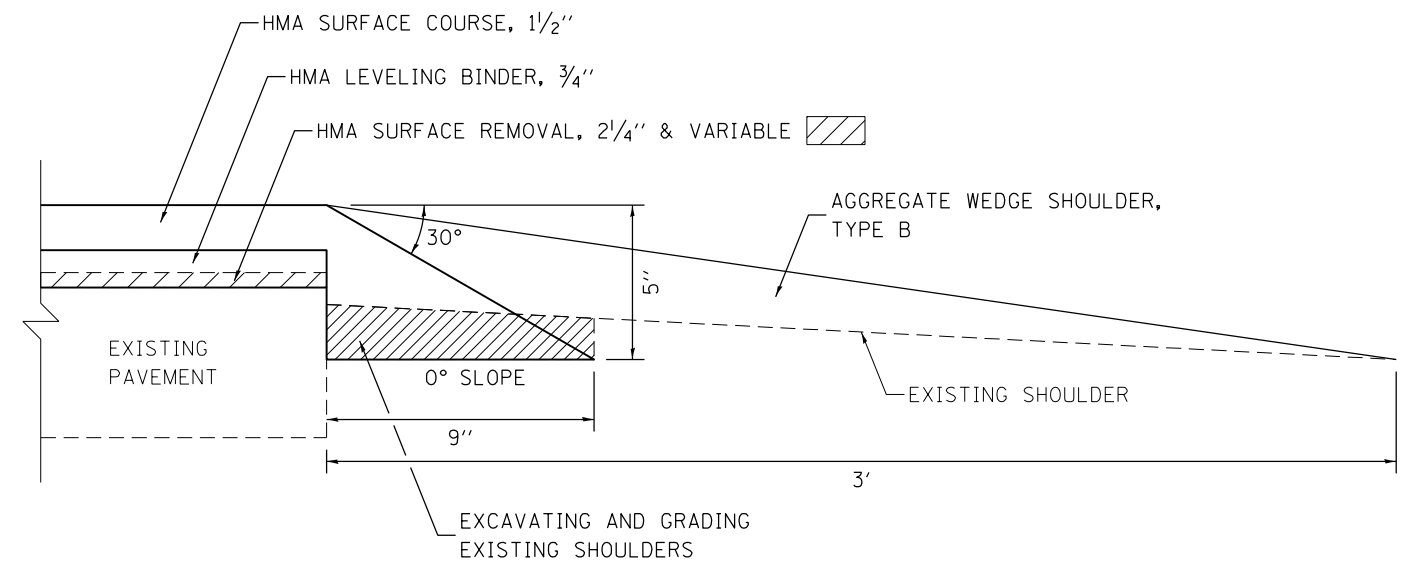
HOT-MIX ASPHALT BUTT JOINT DETAIL



NOTES:

- MILLING SHALL BE DONE TO ATTAIN A 3/16 "/li>

HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH) DETAIL



SAFETY EDGE FOR 3P RESURFACING

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/9/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	18
CONTRACT NO. 74511				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE		LENGTH	AVERAGE PAVEMENT WIDTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" "	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	LEVELING BINDER (MACHINE METHOD) N70	EXCAVATING AND GRADING EXISTING SHOULDER	AGGREGATE WEDGE SHOULDER, TYPE B	TEMPORARY RAMP		
STATION	TO STATION															
		FOOT	FOOT	SQ FT	SQ YD	SQ YD	SQ YD	GALLON	TON	TON	TON	UNIT	TON	SQ YD		
U. S. RTE 45 (URBAN)																
516+21.90	TO 516+86.90	65.0	37.0	2,402.6	267.0	0.0	0.0	26.7	0.5	22.4	11.2	0.0	2.9	14.4		
516+86.90	TO 518+47.87	161.0	27.0	5,804.7	0.0	645.0	0.0	64.5	1.3	54.2	27.1	0.0	14.3	0.0		
518+47.87	TO 518+99.50	51.6	27.0	1,434.1	0.0	159.3	0.0	15.9	0.3	13.4	6.7	0.0	4.6	0.0		
518+99.50 (BK)	= 5+29.30 (AH)	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		
5+29.30	TO 14+12.00	882.7	27.0	23,832.9	0.0	2,648.1	0.0	264.8	5.3	228.9	114.4	5.5	99.2	0.0		
14+12.00	TO 71+88.00	5,776.0	24.0	138,651.7	0.0	15,405.7	0.0	1,540.6	30.8	1,420.0	710.1	107.9	409.5	0.0		
71+88.00	TO 72+23.00	35.0	24.0	840.0	0.0	0.0	93.3	9.3	0.2	8.6	4.3	0.7	1.3	0.0		
72+23.00	TO 73+13.00	90.0	24.0	2,619.7	0.0	0.0	291.1	29.1	0.6	24.7	12.3	0.1	1.7	0.0		
73+13.00	TO 73+30.67	17.7	24.0	535.0	0.0	0.0	59.4	5.9	0.0	5.0	2.5	0.0	0.0	20.0		
73+30.67	TO 73+89.33	58.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
73+89.33	TO 74+07.00	17.7	24.0	535.0	0.0	0.0	59.4	5.9	0.1	5.0	2.5	0.0	0.0	20.0		
74+07.00	TO 75+40.00	133.0	24.0	3,729.4	0.0	0.0	414.4	41.4	0.8	35.9	18.0	1.0	4.6	0.0		
75+40.00	TO 75+75.00	35.0	24.0	840.0	0.0	0.0	93.3	9.3	0.2	8.4	4.2	0.5	1.3	0.0		
75+75.00	TO 100+79.00	2,504.0	24.0	60,096.0	0.0	6,677.3	0.0	667.7	13.8	619.3	309.7	51.6	189.3	0.0		
100+79.00	TO 101+14.00	35.0	24.0	840.0	0.0	0.0	93.3	9.3	0.2	8.6	4.3	0.7	1.3	0.0		
101+14.00	TO 119+56.36	1,842.4	VAR	75,558.5	0.0	0.0	8,395.4	839.5	16.8	705.2	352.6	0.0	66.3	0.0		
URBAN TOTAL							267	25,535	9,500	3,530	71	3,160	1,580	167	796	54

TEMPORARY RAMP, SPECIAL

LOCATION	LENGTH FEET	WIDTH FEET	AREA SQ YD
URBAN			
110+07.00	LT.	2.0	180.0
URBAN TOTAL =			40
RURAL			
177+11.00	RT.	2.0	90.0
177+11.00	LT.	2.0	50.0
RURAL TOTAL =			31
PROJECT TOTAL =			71.0

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
ci:\pw\work\p\dot\stevfenmk\d0249325\d74511-sht-sch.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 10/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

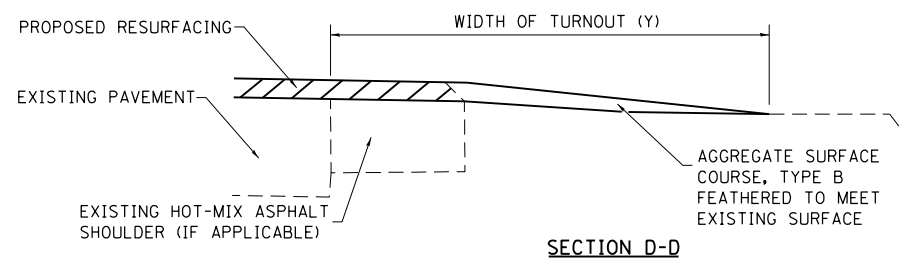
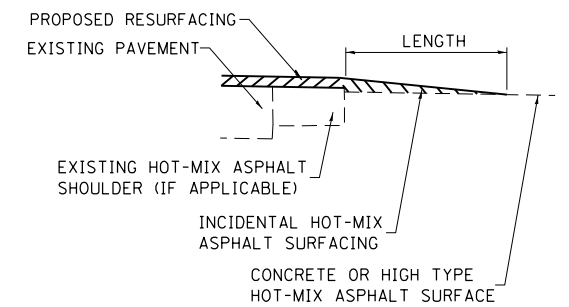
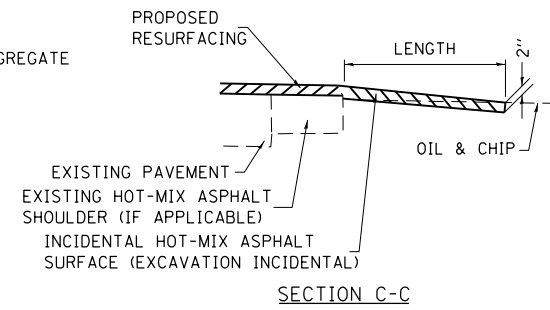
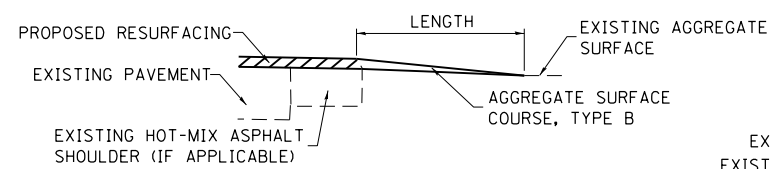
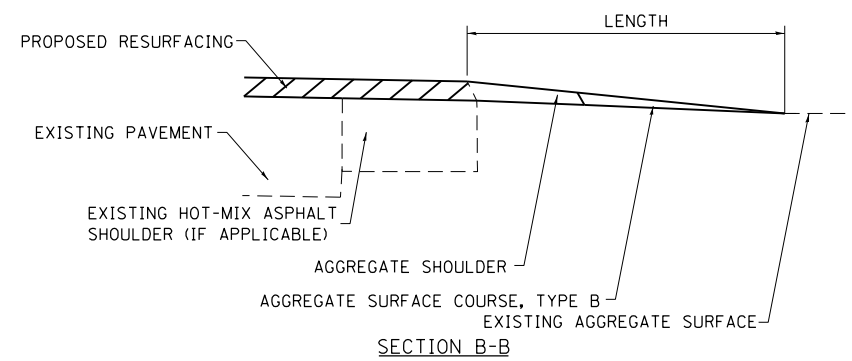
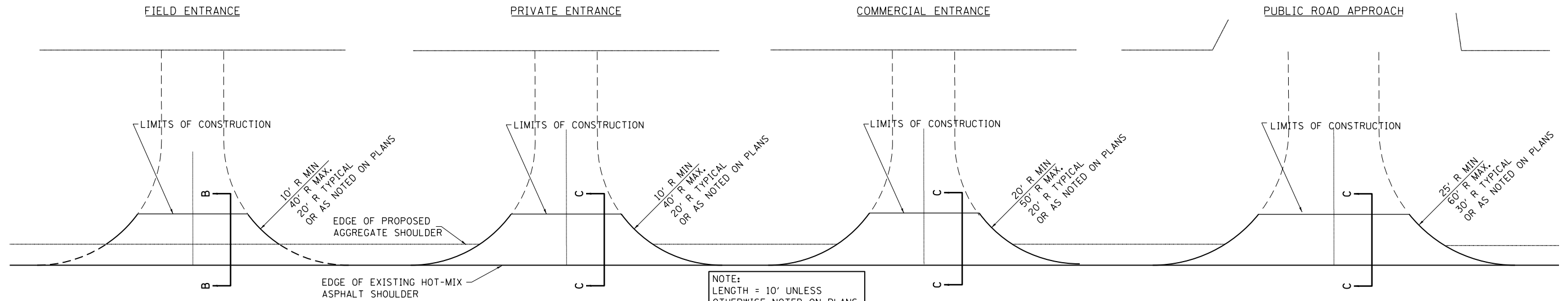
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	19
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE (Cont'd)			LENGTH	AVERAGE PAVEMENT WIDTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N70	LEVELLING BINDER (MACHINE METHOD) N70	EXCAVATING AND GRADING EXISTING SHOULDER	AGGREGATE WEDGE SHOULDER, TYPE B	TEMPORARY RAMP
STATION TO STATION			FOOT	FOOT	SQ FT	SQ YD	SQ YD	SO YD	GALLON	TON	TON	TON	UNIT	TON	SO YD
U. S. RTE 45 (RURAL)															
119+56.36	TO	127+59.00	802.6	VAR	31,985.8	0.0	0.0	3,554.0	355.4	7.1	298.5	149.3	0.0	18.8	0.0
127+59.00	TO	127+94.00	35.0	24.0	840.0	0.0	0.0	93.3	7.8	0.2	8.6	4.3	0.7	1.3	0.0
127+94.00	TO	163+90.71	3,596.7	24.0	86,321.0	0.0	9,591.2	0.0	959.1	19.2	883.0	441.5	66.2	251.5	0.0
163+90.71	TO	166+25.00	234.3	VAR	6,904.0	0.0	767.1	0.0	76.7	1.5	67.1	33.6	2.3	17.8	0.0
166+25.00	TO	175+73.47	948.5	VAR	40,357.3	0.0	4,484.1	0.0	448.4	9.0	376.7	188.3	0.0	72.0	0.0
175+73.47	TO	176+08.47	35.0	VAR	1,940.0	0.0	0.0	215.6	21.6	0.4	18.1	9.1	0.0	1.3	0.0
176+08.47	TO	178+62.08	253.6	VAR	16,296.4	0.0	0.0	1,810.7	181.1	3.6	152.1	76.0	0.0	5.1	0.0
178+62.08	TO	178+97.08	35.0	VAR	1,540.0	0.0	0.0	171.1	17.1	0.3	14.4	7.2	0.0	1.3	0.0
178+97.08	TO	184+69.50	572.4	VAR	23,275.6	0.0	2,586.2	0.0	258.6	5.2	217.2	108.6	0.0	43.0	0.0
184+69.50	TO	218+02.50	3,333.0	24.0	79,992.0	0.0	8,888.0	0.0	888.8	17.8	821.9	411.0	64.5	244.9	0.0
218+02.50	TO	222+62.50	460.0	32.0	14,720.0	0.0	1,635.6	0.0	163.6	3.3	137.4	68.7	0.0	32.4	0.0
222+62.50	TO	380+80.00	15,817.5	24.0	379,620.0	0.0	42,180.0	0.0	4,218.0	84.4	3,902.6	1,951.8	308.1	1,169.6	0.0
380+80.00 (BK)	=	100+00.00 (AH)	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
100+00.00	TO	142+20.63	4,220.6	24.0	101,295.1	0.0	11,255.0	0.0	1,125.5	22.5	1,041.1	520.7	82.0	311.3	0.0
142+20.63	TO	142+50.63	30.0	24.0	720.0	80.0	0.0	0.0	8.0	0.2	7.4	3.8	0.6	1.1	13.3
142+50.63	TO	143+70.89	120.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143+70.89	TO	144+00.89	30.0	24.0	720.0	80.0	0.0	0.0	8.0	0.2	7.4	3.8	0.6	1.1	13.3
144+00.89	TO	223+74.50	7,973.6	24.0	191,366.6	0.0	21,263.0	0.0	2,126.3	42.5	1,961.8	981.1	150.6	571.6	0.0
223+74.50 (BK)	=	505+61.40 (AH)	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
505+61.40	TO	540+73.96	3,512.6	24.0	84,301.4	0.0	9,366.8	0.0	936.7	18.7	865.5	432.9	67.5	256.2	0.0
540+73.96	TO	541+03.96	30.0	24.0	720.0	80.0	0.0	0.0	8.0	0.2	7.4	3.8	0.6	1.1	13.3
541+03.96	TO	541+94.04	90.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
541+94.04	TO	542+24.04	30.0	24.0	720.0	80.0	0.0	0.0	8.0	0.2	7.4	3.8	0.6	1.1	13.3
542+24.04	TO	618+23.00	7,599.0	24.0	182,375.0	0.0	20,263.9	0.0	2,026.4	40.5	1,875.6	938.0	148.6	564.2	0.0
618+23.00	TO	618+53.00	30.0	24.0	720.0	80.0	0.0	0.0	8.0	0.2	7.4	3.8	0.6	1.1	13.3
RURAL TOTAL						400	132,281	5,845	13,851	277	12,679	6,341	894	3,568	67
URBAN SHEET TOTAL						267	25,535	9,500	3,530	71	3,160	1,580	167	796	54
PROJECT TOTALS						667	157,816	15,345	17,381	348	15,839	7,921	1,061	4,364	121

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\p\dot\steffenmk\d0249325\d74511-shit-sch.dgn		DRAWN -	REVISED -		824	(19,20)RS-4	COLES	56	20				
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -		SCALE: NA SHEET NO. 2 OF 4 SHEETS STA. TO STA.				CONTRACT NO. 74511				
PLOT DATE = 10/2/2012		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

PAVEMENT MARKING SCHEDULE	LENGTH	PAINT PAVEMENT MARKING - LINE 4" WHITE	PAINT PAVEMENT MARKING - LINE 4" YELLOW	THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE	THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE	THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING - LINE 4" WHITE	TEMPORARY PAVEMENT MARKING - LINE 4" YELLOW	TEMPORARY PAVEMENT MARKING - LINE 6"	TEMPORARY PAVEMENT MARKING - LINE 8"	TEMPORARY PAVEMENT MARKING - LINE 12" WHITE	TEMPORARY PAVEMENT MARKING - LINE 12" YELLOW	TEMPORARY PAVEMENT MARKING - LINE 24"	TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS	SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER
		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	SQ FT
U. S. RTE 45 (URBAN)																						
516+21.90 TO 518+99.50	277.6	497.2	69.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	497.2	69.4	0.0	0.0	0.0	0.0	0.0	0.0	112.0	12.4	3.0
518+99.50 BK = 5+29.30 AH	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	0.0	0.0	0.0
5+29.30 TO 73+30.67	6,801.4	13,513.7	1,700.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13,513.7	1,700.3	0.0	0.0	0.0	0.0	0.0	0.0	2,720.0	302.2	85.0
73+30.67 TO 73+89.33	58.7	117.3	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117.3	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73+89.33 TO 96+14.00	2,224.7	4,449.3	556.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,449.3	556.2	0.0	0.0	0.0	0.0	0.0	0.0	896.0	99.6	28.0
96+14.00 TO 100+34.00	420.0	840.0	525.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	840.0	525.0	0.0	0.0	0.0	0.0	0.0	0.0	176.0	19.6	5.0
100+34.00 TO 101+14.00	80.0	0.0	0.0	160.0	160.0	0.0	0.0	0.0	0.0	0.0	0.0	160.0	160.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	3.6	6.0
101+14.00 TO 106+94.00	580.0	0.0	0.0	1,160.0	2,320.0	0.0	0.0	0.0	161.4	0.0	0.0	1,160.0	2,320.0	0.0	0.0	0.0	161.4	0.0	0.0	480.0	53.3	31.0
106+94.00 TO 109+74.00	280.0	0.0	0.0	487.5	560.0	280.0	83.4	29.1	0.0	0.0	78.0	487.5	560.0	280.0	83.4	29.1	0.0	0.0	78.0	224.0	24.9	22.0
109+74.00 TO 110+40.60	66.6	0.0	0.0	66.6	0.0	0.0	33.5	25.7	0.0	0.0	0.0	66.6	0.0	0.0	33.5	25.7	0.0	0.0	0.0	0.0	0.0	0.0
110+40.60 TO 110+75.00	34.4	0.0	0.0	34.4	137.6	0.0	0.0	0.0	11.2	0.0	0.0	34.4	137.6	0.0	0.0	0.0	11.2	0.0	0.0	32.0	3.6	3.0
110+75.00 TO 113+55.00	280.0	0.0	0.0	543.1	1,120.0	280.0	0.0	0.0	88.9	0.0	78.0	543.1	1,120.0	280.0	0.0	0.0	88.9	0.0	78.0	336.0	37.3	21.0
113+55.00 TO 113+99.00	44.0	0.0	0.0	88.0	176.0	0.0	0.0	0.0	0.0	0.0	0.0	88.0	176.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	3.6	4.0
113+99.00 TO 114+79.00	80.0	0.0	0.0	160.0	160.0	0.0	0.0	0.0	0.0	0.0	0.0	160.0	160.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	3.6	4.0
114+79.00 TO 118+99.00	420.0	840.0	525.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	840.0	525.0	0.0	0.0	0.0	0.0	0.0	0.0	176.0	19.6	5.0
118+99.00 TO 119+56.36	57.4	114.7	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114.7	14.3	0.0	0.0	0.0	0.0	0.0	0.0	16.0	1.8	1.0
URBAN TOTAL		20,372.0	3,405.0	2,700.0	4,634.0	560.0	117.0	55.0	262.0	0.0	156.0	23,072.0	8,039.0	560.0	117.0	55.0	262.0	0.0	156.0	5,264.0	585.0	221.0

PAVEMENT MARKING SCHEDULE (Cont'd)	LENGTH	PAINT PAVEMENT MARKING - LINE 4" WHITE	PAINT PAVEMENT MARKING - LINE 4" YELLOW	THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE	THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE	THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING - LINE 4" WHITE	TEMPORARY PAVEMENT MARKING - LINE 4" YELLOW	TEMPORARY PAVEMENT MARKING - LINE 6"	TEMPORARY PAVEMENT MARKING - LINE 8"	TEMPORARY PAVEMENT MARKING - LINE 12" WHITE	TEMPORARY PAVEMENT MARKING - LINE 12" YELLOW	TEMPORARY PAVEMENT MARKING - LINE 24"	TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS	SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER
		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	SQ FT
U. S. RTE 45 (RURAL)																						
119+56.36 TO 158+60.00	3,903.6	7,807.3	975.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,807.3	975.9	0.0	0.0	0.0	0.0	0.0	0.0	1,568.0	174.2	49.0
158+60.00 TO 164+50.00	590.0	0.0	0.0	1,180.0	1,180.0	0.0	0.0	0.0	0.0	0.0	0.0	1,180.0	1,180.0	0.0	0.0	0.0	0.0	0.0	0.0	240.0	26.7	7.0
164+50.00 TO 167+15.00	265.0	0.0	0.0	530.0	530.0	0.0	0.0	0.0	0.0	0.0	0.0	530.0	530.0	0.0	0.0	0.0	0.0	0.0	0.0	112.0	12.4	5.0
167+15.00 TO 173+40.00	625.0	0.0	0.0	1,250.0	1,250.0	625.0	0.0	0.0	0.0	0.0	140.4	1,250.0	1,250.0	625.0	0.0	0.0	0.0	0.0	140.4	512.0	56.9	27.0
173+40.00 TO 175+78.50	238.5	0.0	0.0	477.0	954.0	238.5	0.0	0.0	36.0	0.0	46.8	477.0	954.0	238.5	0.0	0.0	36.0	0.0	46.8	288.0	32.0	18.0
175+78.50 TO 176+65.00	86.5	0.0	0.0	141.5	173.0	135.8	76.2	16.1	0.0	0.0	46.8	141.5	173.0	135.8	76.2	16.1	0.0	0.0	46.8	96.0	10.7	10.0
176+65.00 TO 177+80.00	115.0	0.0	0.0	46.3	0.0	0.0	218.9	107.6	0.0	44.3	0.0	46.3	0.0	0.0	218.9	107.6	0.0	44.3	0.0	0.0	0.0	4.0
177+80.00 TO 180+45.00	265.0	0.0	0.0	524.5	530.0	265.0	0.0	0.0	0.0	0.0	78.0	524.5	530.0	265.0	0.0	0.0	0.0	0.0	78.0	224.0	24.9	21.0
180+45.00 TO 184+00.00	355.0	0.0	0.0	710.0	1,420.0	0.0	0.0	0.0	103.0	0.0	0.0	710.0	1,420.0	0.0	0.0	0.0	103.0	0.0	0.0	288.0	32.0	19.0
184+00.00 TO 189+00.00	500.0	0.0	0.0	1,000.0	1,000.0	0.0	0.0	0.0	0.0	0.0	0.0	1,000.0	1,000.0	0.0	0.0	0.0	0.0	0.0	0.0	208.0	23.1	9.0
189+00.00 TO 380+80.00	19,180.0	37,705.0	4,795.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37,705.0	4,795.0	0.0	0.0	0.0	0.0	0.0	0.0	7,680.0	853.3	240.0
380+80.00 BK = 100+00.00 AH	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	0.0	0.0	0.0
100+00.00 TO 142+50.63	4,250.6	8,353.3	1,062.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8,353.3	1,062.7	0.0	0.0	0.0	0.0	0.0	0.0	1,696.0	188.4	53.0
142+50.63 TO 143+70.89	120.3	240.5	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	240.5	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143+70.89 TO 223+74.50	8,003.6	15,281.2	2,000.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15,281.2	2,000.9	0.0	0.0	0.0	0.0	0.0	0.0	3,200.0	355.6	100.0
223+74.50 BK = 505+61.40 AH	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	0.0	0.0	0.0
505+61.40 TO 541+03.96	3,542.6	6,919.1	885.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,919.1	885.6	0.0	0.0	0.0	0.0	0.0	0.0	1,424.0	158.2	44.0
541+03.96 TO 541+94.04	90.1	180.2	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	180.2	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
541+94.04 TO 618+53.00	7,659.0	15,031.9	1,914.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15,031.9	1,914.7	0.0	0.0	0.0	0.0	0.0	0.0	3,056.0	339.6	96.0
RURAL TOTAL		91,518.0	11,687.0	5,859.0	7,037.0	1,264.0	295.0	124.0	139.0	44.0	312.0	97,378.0	18,724.0	1,264.0	295.0	124.0	139.0	44.0	312.0	20,592.0	2,288.0	702.0
URBAN SHEET TOTAL		20,372.0	3,405.0	2,700.0	4,634.0	560.0	117.0	55.0	262.0	0.0	156.0	23,072.0	8,039.0	560.0	117.0	55.0	262.0	0.0	156.0	5,264.0	585.0	221.0
PROJECT TOTALS		111,890.0	15,092.0	8,559.0	11,671.0	1,824.0	412.0	179.0	401.0	44.0	468.0	120,450.0	26,763.0	1,824.0	412.0	179.0	401.0	44.0	468.0	25,856.0	2,873.0	923.0



TYPICAL SECTION AT MAILBOX TURNOUT

NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

NOTES

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	517+38	CE	4.5	
LT	517+97	CE	3.3	
LT	518+77	PRA	3.9	
LT	6+08	PE	2.9	
LT	7+10	PE	3.1	
LT	8+36	PE	2.6	
LT	8+75	PRA	3.3	
LT	9+25	CE	3.1	
LT	9+85	CE	4.0	
LT	12+42	PRA	2.8	
LT	14+47	PE	1.6	
RT	14+47	FE		1.6
LT	15+37	PE	3.3	
LT	18+43	CE	3.7	
LT	22+83	CE	7.2	
LT	29+12	CE	17.5	
LT	45+04	PE	2.9	
LT	49+15	PE	2.6	
RT	59+25	FE	2.5	
LT	75+85	FE	0.5	0.7
LT	128+00	PE	5.1	
LT	128+90	PE	4.7	
LT	129+10	PE	2.2	
LT	130+13	PE	4.2	
LT	131+83	PE	4.6	
LT	133+38	PE	2.9	

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON
LT	133+97	CE	5.5	
LT	135+23	CE	4.3	
LT	136+00	CE	3.1	
LT	144+26	CE	11.4	
LT	145+49	FE	3.6	
LT	184+73	FE	2.4	
LT	187+66	FE	0.5	0.5
LT	195+16	PE	3.3	
LT	196+39	FE	0.6	0.8
LT	197+96	PRA	6.2	
LT	219+05	FE	1.8	
LT	219+62	FE	3.2	
LT	233+37	PRA	6.1	
RT	233+37	PRA	9.2	
RT	235+09	FE		4.2
LT	244+86	FE	3.9	
RT	258+16	FE		1.4
LT	266+83	FE	1.1	1.5
LT	289+78	PRA	5.7	
RT	289+80	PRA	5.5	
LT	326+77	FE	0.9	1.3
LT	346+40	PRA	6.5	
RT	346+40	PRA	5.0	
LT	360+48	FE	1.2	1.3
LT	374+56	FE	1.1	1.3
LT	107+89	PRA	5.1	

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON
RT	108+00	PRA	4.8	
LT	133+00	FE	0.9	1.1
RT	133+16	FE	1.1	1.3
LT	148+19	PRA	5.3	
RT	148+19	PRA	17.2	
LT	161+73	FE	1.0	1.1
RT	161+73	FE	1.1	1.3
LT	182+18	PE	4.5	
RT	190+93	PRA	19.7	
LT	191+01	PRA	6.0	
LT	511+77	PRA	5.5	
RT	511+77	PRA	5.3	
LT	525+78	FE	1.1	1.3
LT	538+21	FE	1.2	1.4
LT	565+04	PRA	4.8	
RT	565+04	PRA	5.3	
LT	593+76	FE	1.1	1.5
LT	617+98	PRA	4.5	
RT	617+98	PRA	4.3	
TOTALS			291.0	24.0

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

FILE NAME =	USER NAME = steffenmk	DESIGNED - 08-03-99	REVISED - 03-13-07
ei:\pw\work\p\dot\stefenmk\d0249325\d74511-shit-sch.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 10/2/2012	DATE -	REVISED -

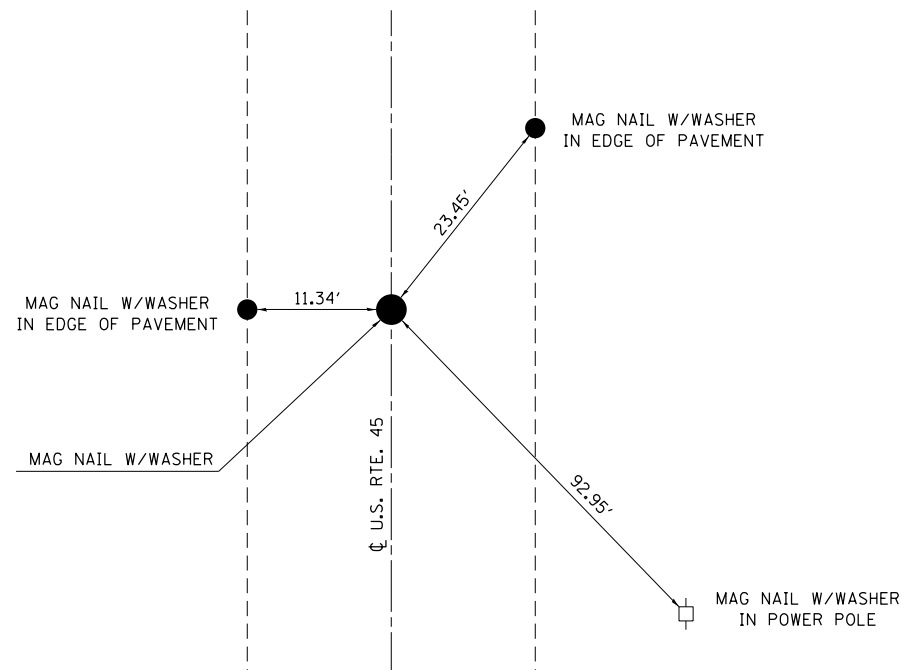
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RURAL ENTRANCE SCHEDULE AND MAILBOX TURNOUT DETAILS
WITH SHOULDERS**

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

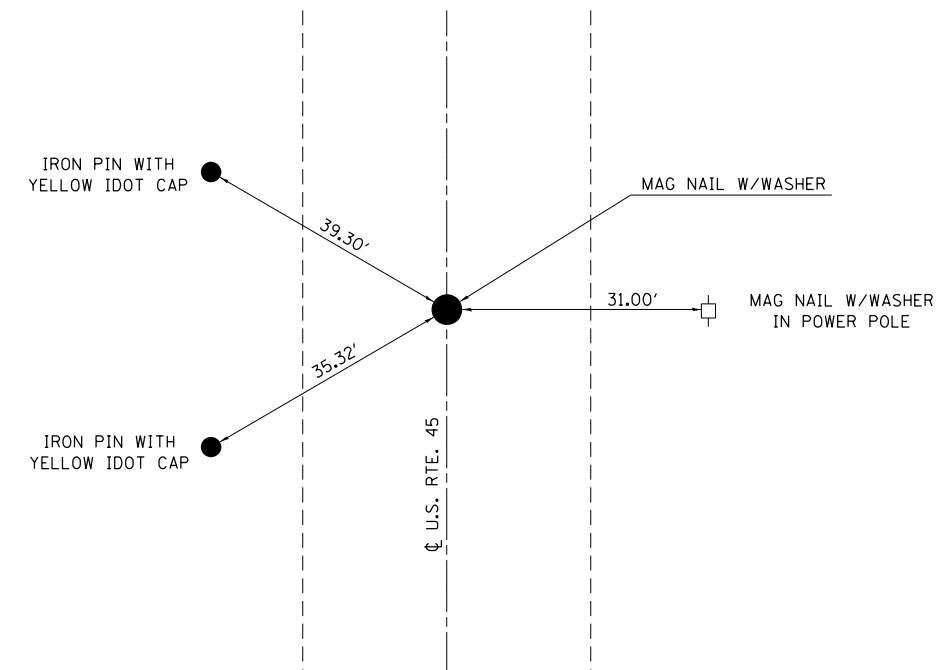
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	23
CONTRACT NO. 74511				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

P.O.T. STA. 370+06.15
MAG NAIL W/WASHER



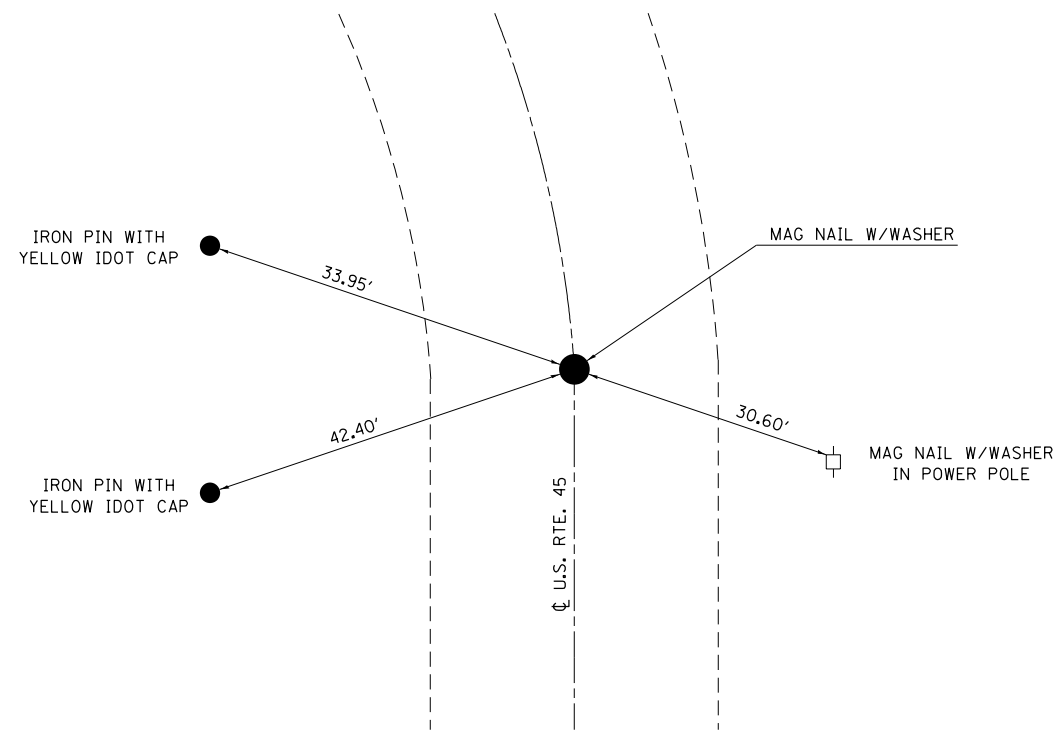
NOTE: NOT DRAWN TO SCALE

STATION EQUATION:
STA. 380+80.00 (BK) =
STA. 100+00.00 (AH)
MAG NAIL W/WASHER



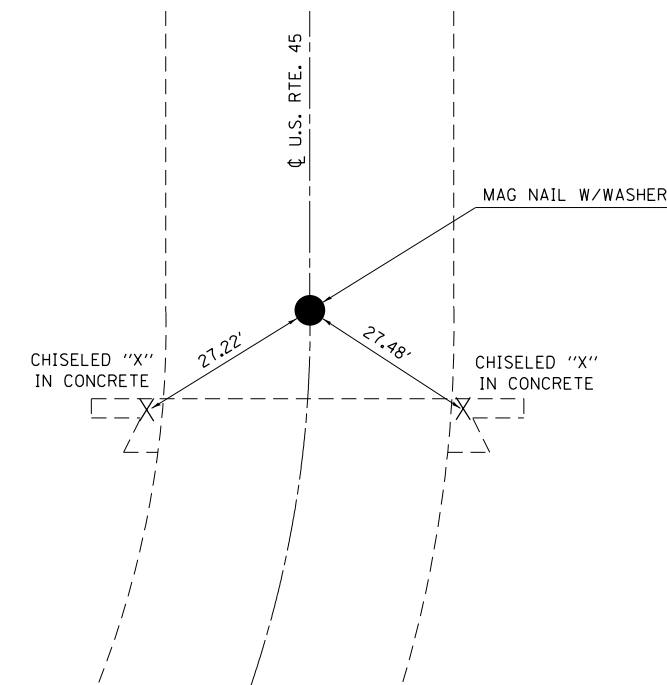
NOTE: NOT DRAWN TO SCALE

P.C. STA. 100+14.59
MAG NAIL W/WASHER



NOTE: NOT DRAWN TO SCALE

P.T. STA. 142+71.60
MAG NAIL W/WASHER



NOTE: NOT DRAWN TO SCALE

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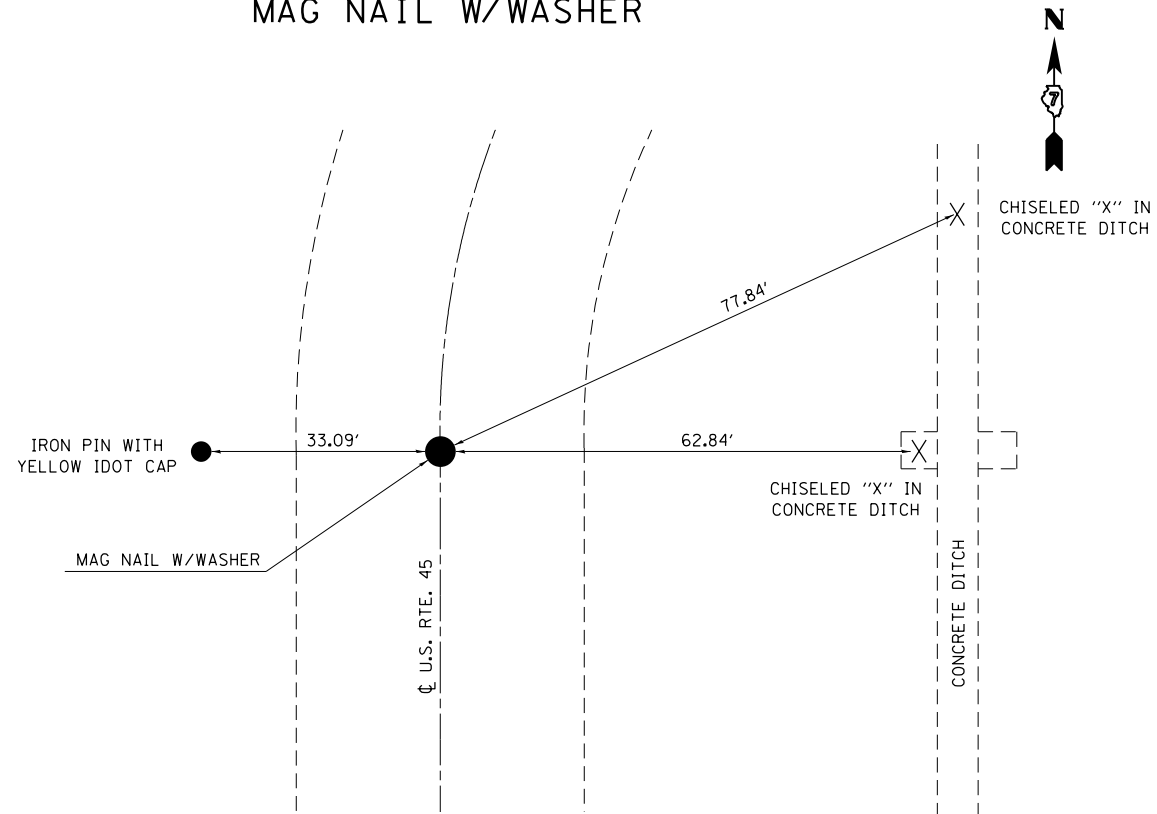
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TIE POINTS

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

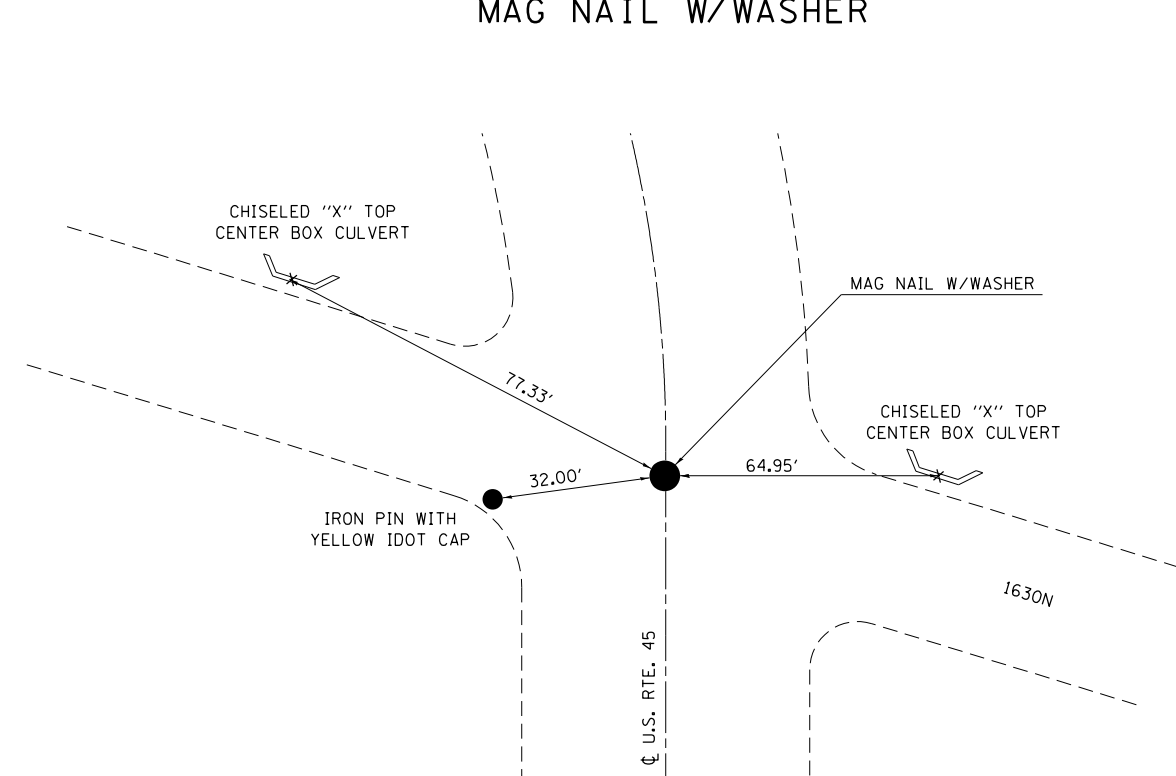
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 74511	

P. C. STA. 146+72.44
MAG NAIL W/WASHER



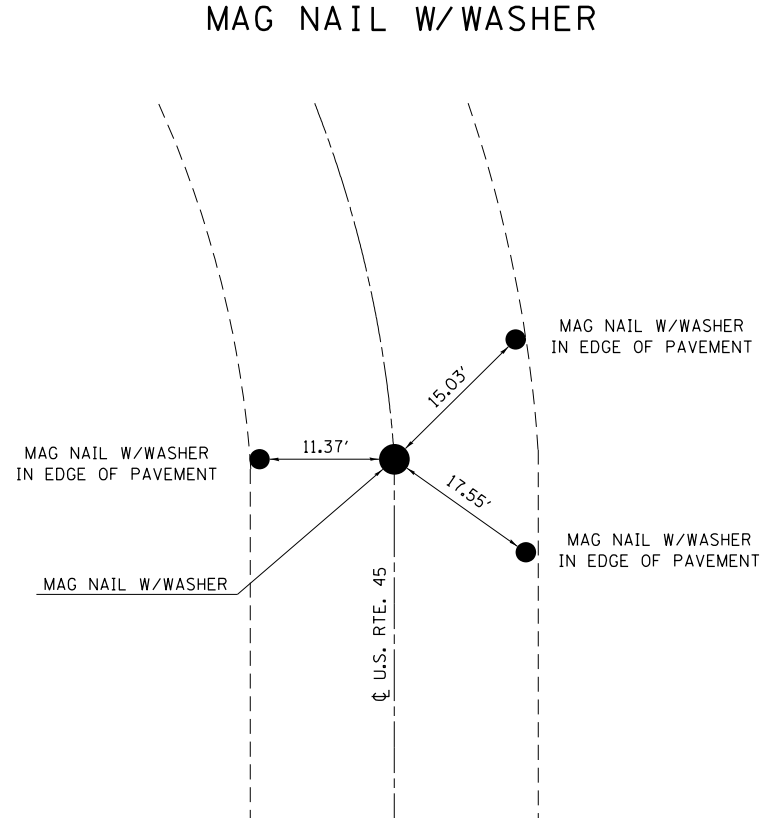
NOTE: NOT DRAWN TO SCALE

P. T. STA. 191+07.24
MAG NAIL W/WASHER



NOTE: NOT DRAWN TO SCALE

P. O. T. STA. 193+62.20
MAG NAIL W/WASHER



NOTE: NOT DRAWN TO SCALE

SURVEY MARKER SCHEDULE	PERMANENT SURVEY MARKERS, TYPE I
LOCATION	EACH
STA 370+06.15	1.0
STA 380+80.00 (BK) = STA 100+00.00 (AH)	1.0
STA 100+14.59	1.0
STA 142+71.60	1.0
STA 146+72.44	1.0
STA 191+07.24	1.0
STA 193+62.20	1.0
TOTAL	7.0

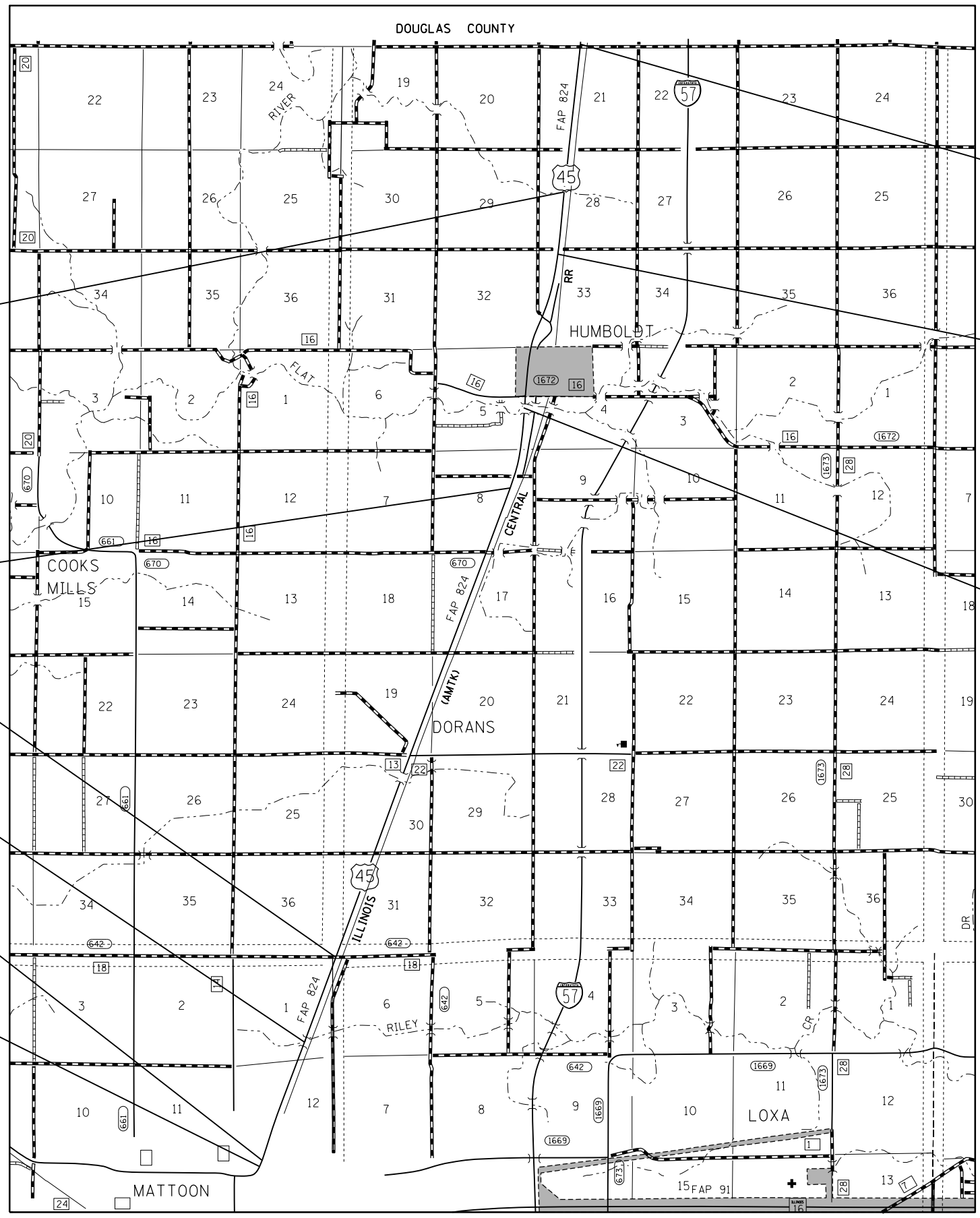
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TIE POINTS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	25
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 74511	



PAVING OMISSION: SN 015-0072
STA. 541+03.96 TO STA. 541+94.04

SECTION (19,20)RS-4
ENDS STA. 618+53.00

STATION EQUATION:
STA. 223+74.50 (BK) =
STA. 505+61.40 (AH)

STATION EQUATION:
STA. 380+80.00 (BK) =
STA. 100+00.00 (AH)

PAVING OMISSION: SN 015-0022
STA. 142+50.63 TO STA. 143+70.89

URBAN LIMITS END /
RURAL LIMITS BEGIN
STA. 119+56.36

PAVING OMISSION: SN 015-0024
STA. 73+30.67 TO STA. 73+89.33

STATION EQUATION:
STA. 518+99.50 (BK) =
STA. 5+29.30 (AH)

SECTION (19,20)RS-4
BEGINS STA. 516+21.90

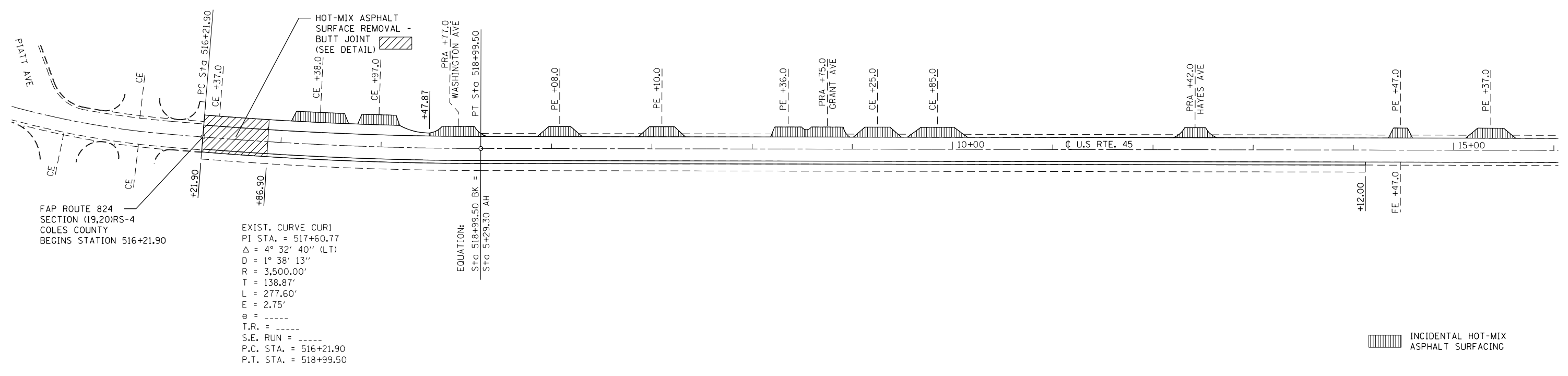
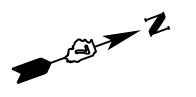
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	26
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				

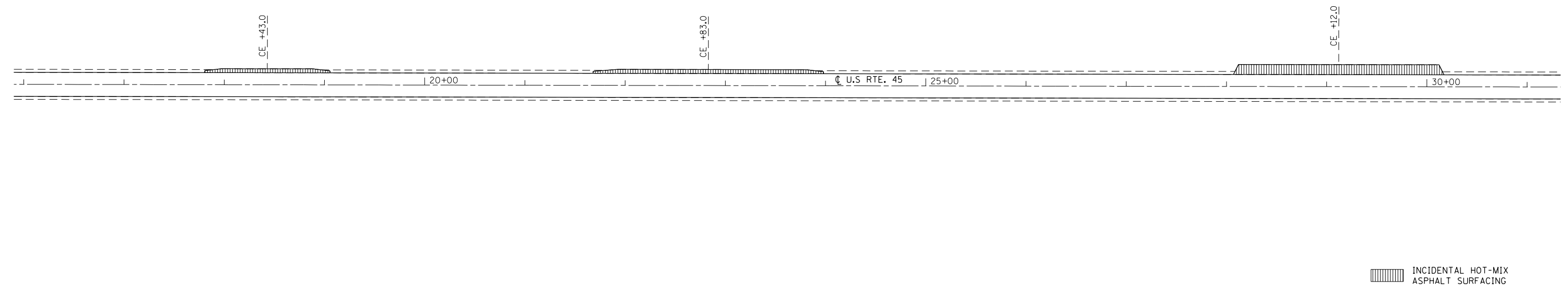


FAP ROUTE 824
SECTION (19,20)RS-4
COLES COUNTY
BEGINS STATION 516+21.90

EXIST. CURVE CUR1
PI STA. = 517+60.77
 $\Delta = 4^\circ 32' 40''$ (LT)
D = $1^\circ 38' 13''$
R = 3,500.00'
T = 138.87'
L = 277.60'
E = 2.75'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 516+21.90
P.T. STA. = 518+99.50

EQUATION:
Sta 518+99.50 BK =
Sta 5+29.30 AH

INCIDENTAL HOT-MIX ASPHALT SURFACING



INCIDENTAL HOT-MIX ASPHALT SURFACING

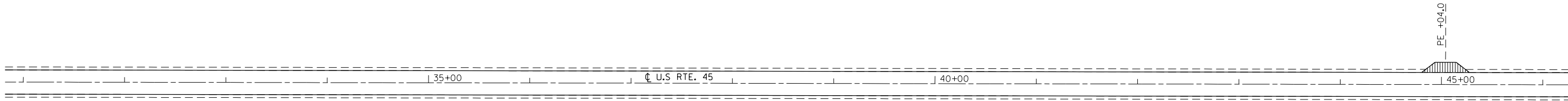
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

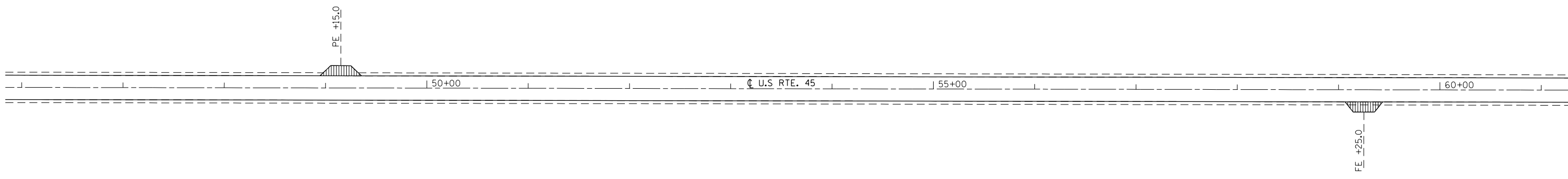
PLAN SHEET

SCALE: 50 SHEET NO. 1 OF 21 SHEETS STA. 516+21.90 TO STA. 31+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	27
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				



INCIDENTAL HOT-MIX ASPHALT SURFACING



INCIDENTAL HOT-MIX ASPHALT SURFACING

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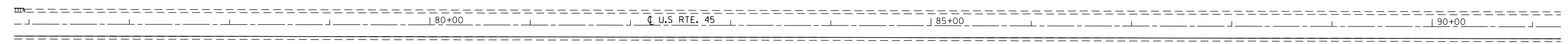
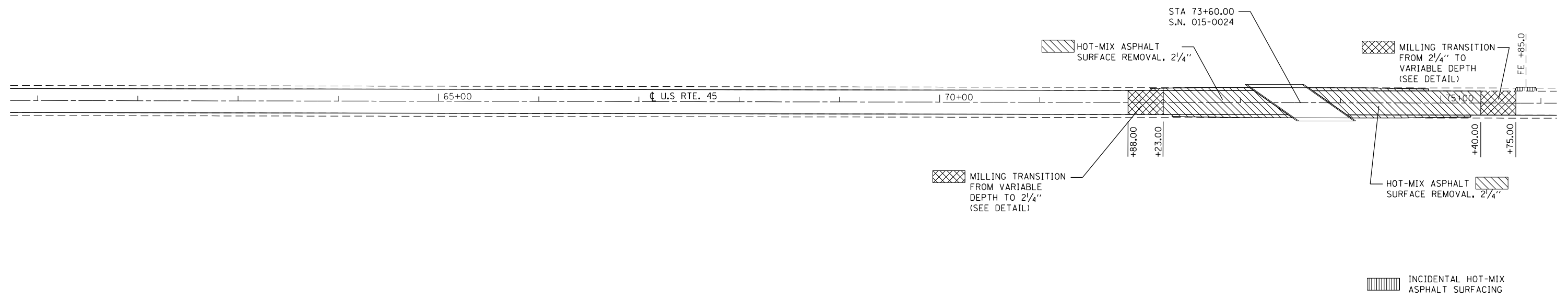
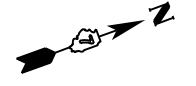
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 50 SHEET NO. 2 OF 21 SHEETS STA. 31+00 TO STA. 61+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	28
				CONTRACT NO. 74511
ILLINOIS FED. AID PROJECT				

DEPARTMENT OF NATURAL
RESOURCES SENSITIVE AREA:
OFF-ROAD ACTIVITIES,
STORAGE OF MATERIALS OR
PARKING OF EQUIPMENT WILL
NOT BE ALLOWED FROM
STA 71+50 TO STA 75+50



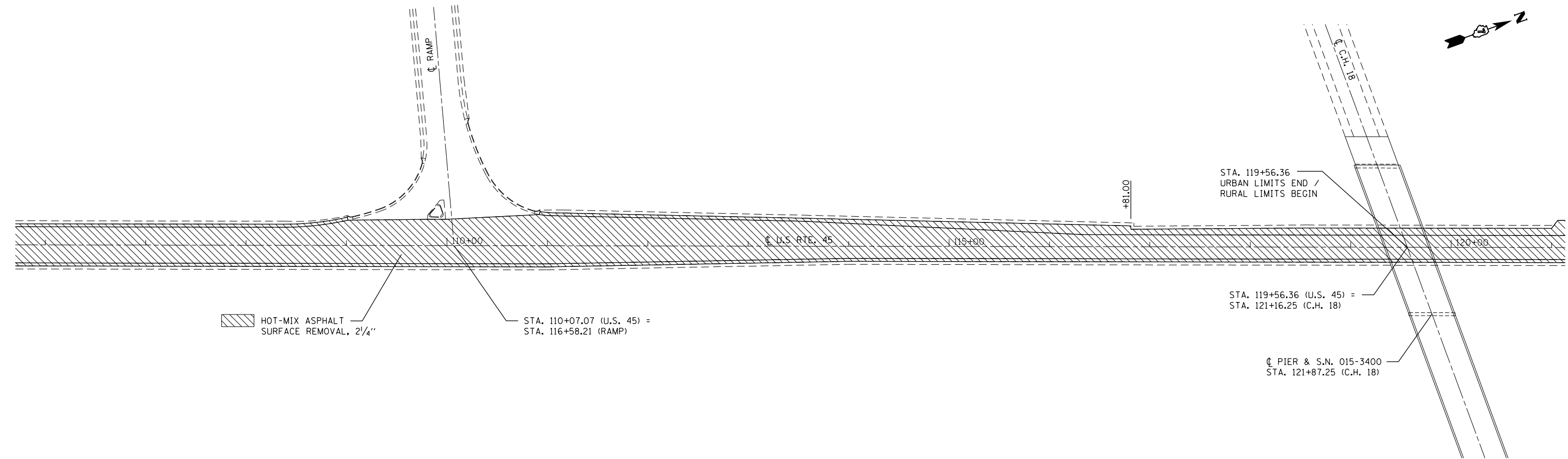
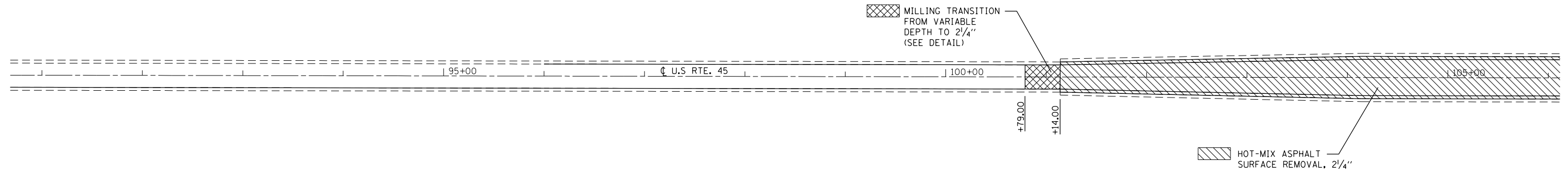
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 50 SHEET NO. 3 OF 21 SHEETS STA. 61+00 TO STA. 91+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	29
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				



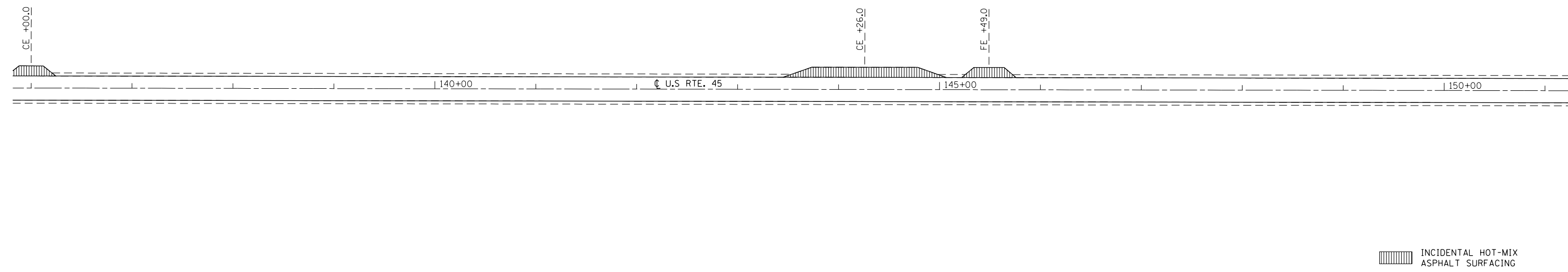
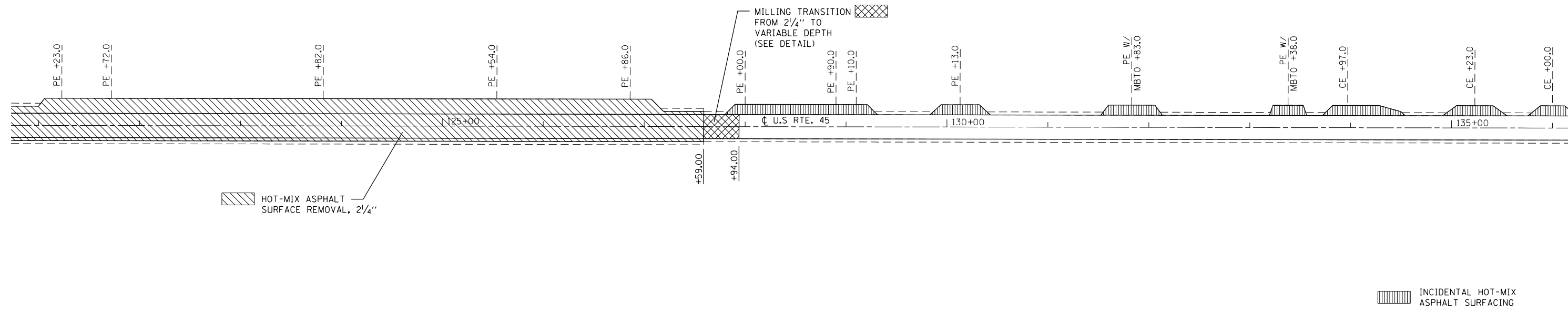
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 50 SHEET NO. 4 OF 21 SHEETS STA. 91+00 TO STA. 121+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	30
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				



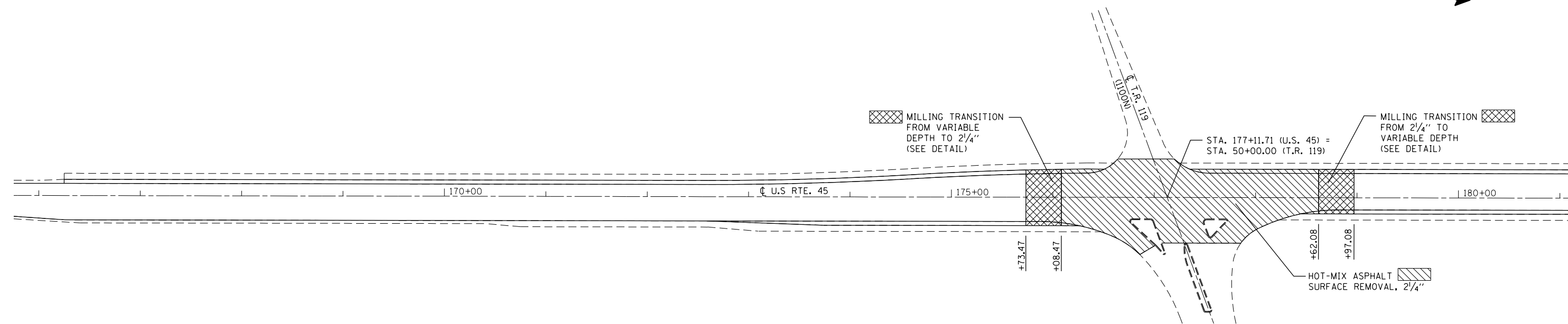
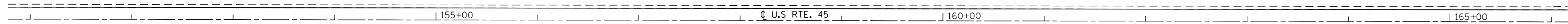
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 50 SHEET NO. 5 OF 21 SHEETS STA. 121+00 TO STA. 151+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	31
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				



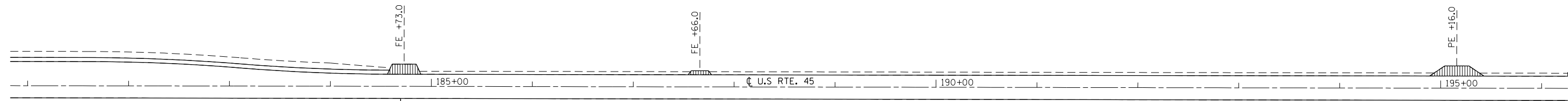
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

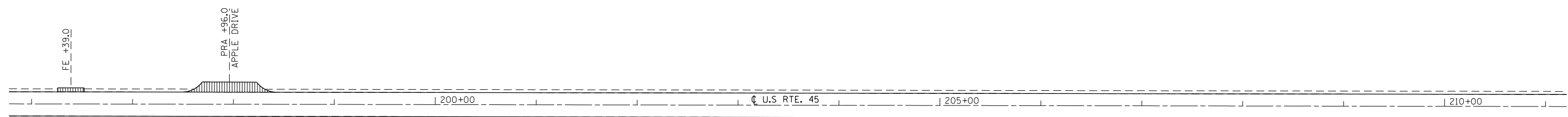
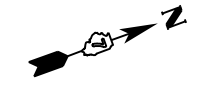
PLAN SHEET

SCALE: 50 SHEET NO. 6 OF 21 SHEETS STA. 151+00 TO STA. 181+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	32
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				



INCIDENTAL HOT-MIX ASPHALT SURFACING



INCIDENTAL HOT-MIX ASPHALT SURFACING

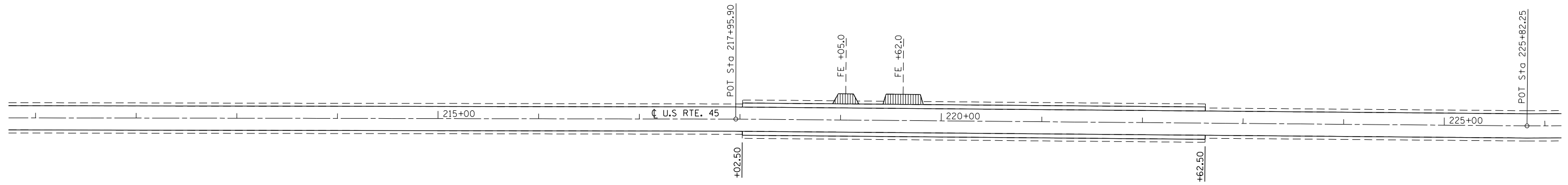
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

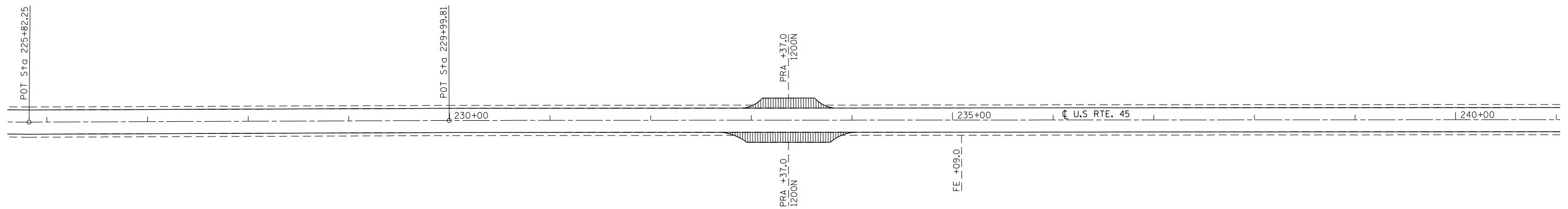
PLAN SHEET

SCALE: 50 SHEET NO. 7 OF 21 SHEETS STA. 181+00 TO STA. 211+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	33
				CONTRACT NO. 74511
ILLINOIS FED. AID PROJECT				



INCIDENTAL HOT-MIX ASPHALT SURFACING



INCIDENTAL HOT-MIX ASPHALT SURFACING

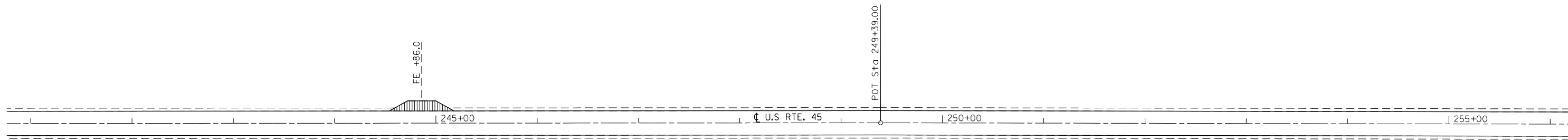
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

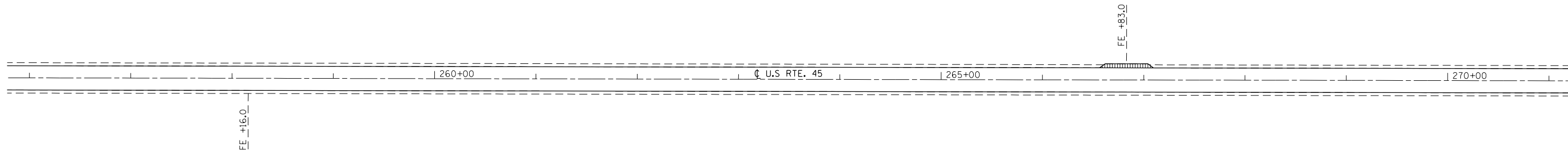
PLAN SHEET

SCALE: 50 SHEET NO. 8 OF 21 SHEETS STA. 211+00 TO STA. 241+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	34
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				



INCIDENTAL HOT-MIX ASPHALT SURFACING



INCIDENTAL HOT-MIX ASPHALT SURFACING

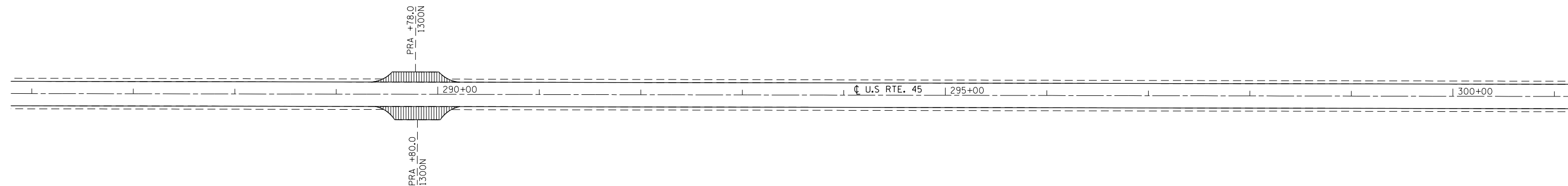
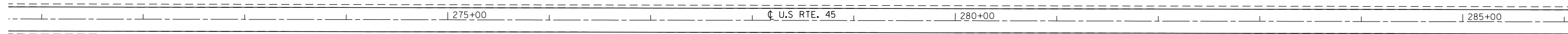
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 50 SHEET NO. 9 OF 21 SHEETS STA. 241+00 TO STA. 271+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	35
				CONTRACT NO. 74511
ILLINOIS FED. AID PROJECT				



 INCIDENTAL HOT-MIX ASPHALT SURFACING

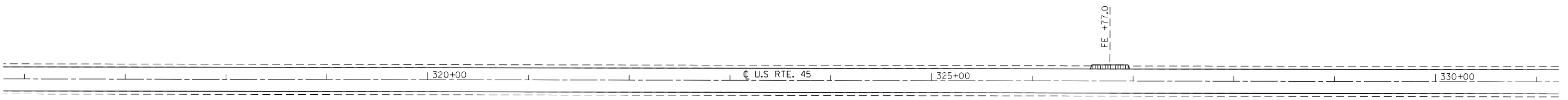
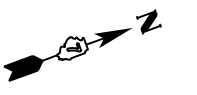
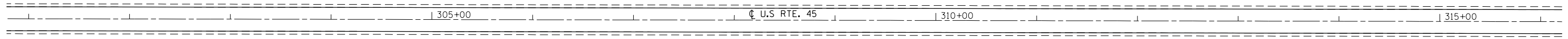
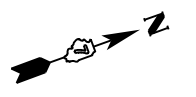
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

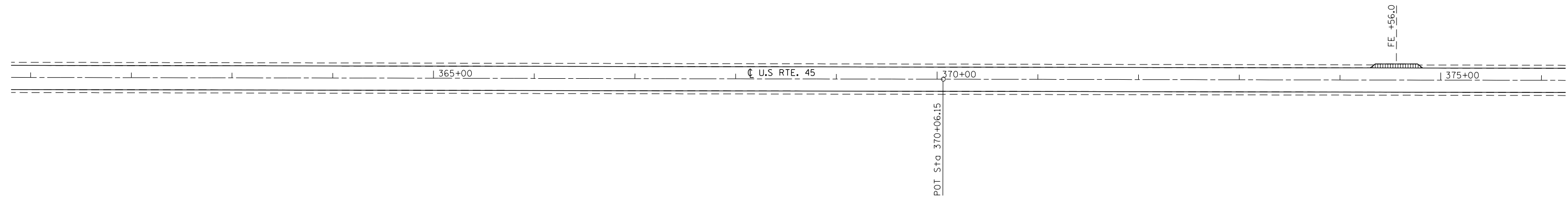
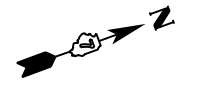
SCALE: 50 SHEET NO. 10 OF 21 SHEETS STA. 271+00 TO STA. 301+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 74511
ILLINOIS FED. AID PROJECT				

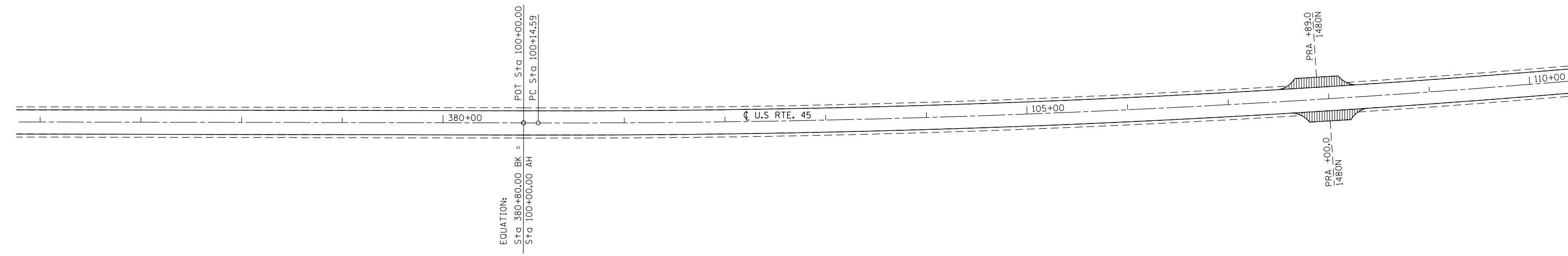


 INCIDENTAL HOT-MIX ASPHALT SURFACING

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	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									



INCIDENTAL HOT-MIX ASPHALT SURFACING



INCIDENTAL HOT-MIX ASPHALT SURFACING

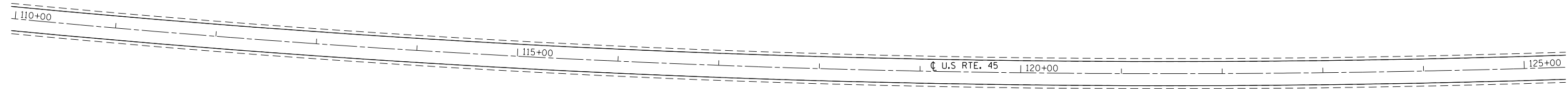
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

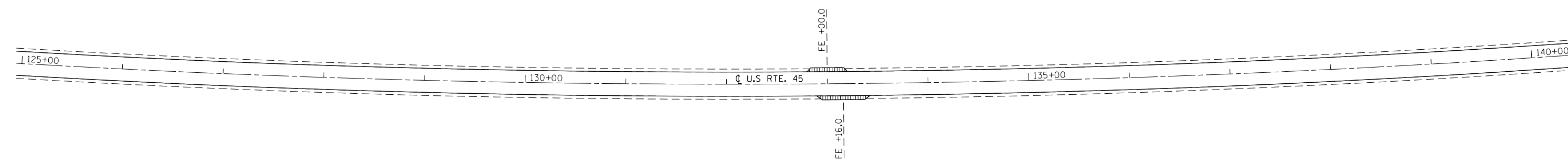
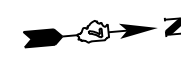
PLAN SHEET

SCALE: 50 SHEET NO. 13 OF 21 SHEETS STA. 361+00 TO STA. 110+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	39
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				



EXIST. CURVE CUR2
 PI STA. = 121+65.34
 Δ = 20° 09' 56" (LT)
 D = 0° 28' 25"
 R = 12,095.27'
 T = 2,150.75'
 L = 4,257.01'
 E = 189.73'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 100+14.59
 P.T. STA. = 142+71.60



 INCIDENTAL HOT-MIX ASPHALT SURFACING

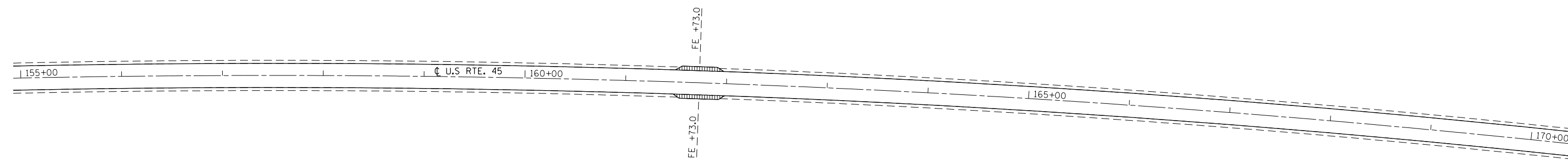
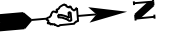
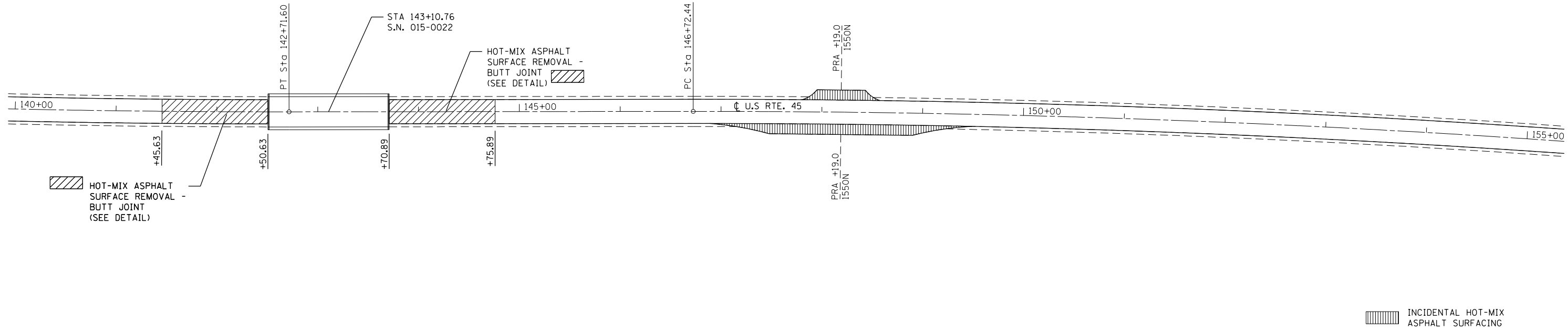
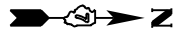
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	PLOT DATE = 10/2/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 50 SHEET NO. 14 OF 21 SHEETS STA. 110+00 TO STA. 140+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	40
CONTRACT NO. 74511			ILLINOIS FED. AID PROJECT	



EXIST. CURVE CUR3
 PI STA. = 169+14.50
 Δ = 20° 47' 44" (RT)
 D = 0° 28' 08"
 R = 12,218.72'
 T = 2,242.07'
 L = 4,434.80'
 E = 204.00'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 146+72.44
 P.T. STA. = 191+07.24

INCIDENTAL HOT-MIX ASPHALT SURFACING

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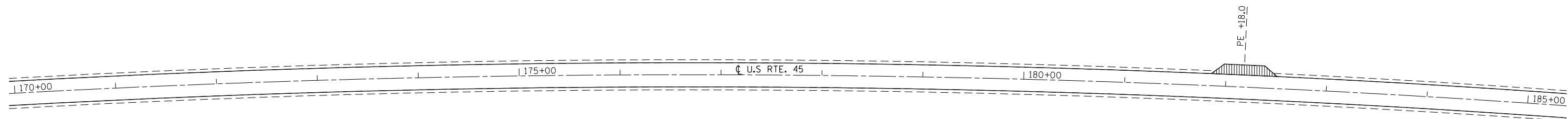
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

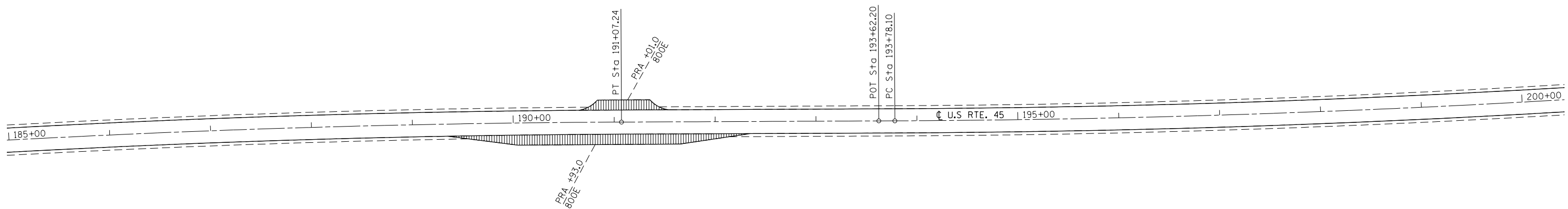
SCALE: 50 SHEET NO. 15 OF 21 SHEETS STA. 140+00 TO STA. 170+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	41
				CONTRACT NO. 74511

ILLINOIS FED. AID PROJECT



INCIDENTAL HOT-MIX ASPHALT SURFACING



INCIDENTAL HOT-MIX ASPHALT SURFACING

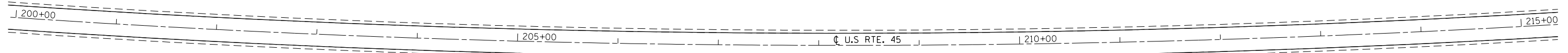
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	PLOT DATE = 10/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

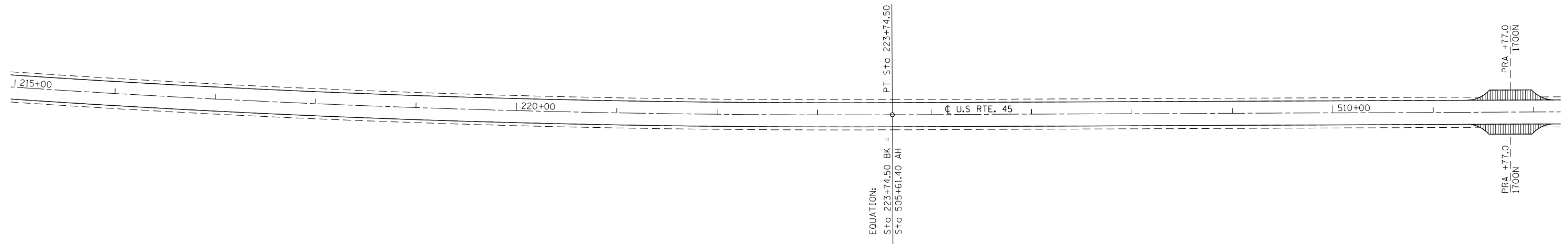
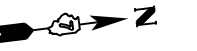
PLAN SHEET


SCALE: 50 SHEET NO. 16 OF 21 SHEETS STA. 170+00 TO STA. 200+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	42
CONTRACT NO. 74511			ILLINOIS FED. AID PROJECT	



EXIST. CURVE CUR4
 PI STA. = 208+83.78
 Δ = 13° 59' 00" (LT)
 D = 0° 28' 00"
 R = 12,277.50'
 T = 1,505.68'
 L = 2,996.40'
 E = 91.98'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 193+78.10
 P.T. STA. = 223+74.50



 INCIDENTAL HOT-MIX ASPHALT SURFACING

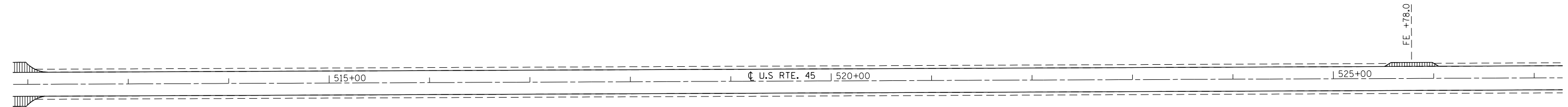
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	PLOT DATE = 10/2/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

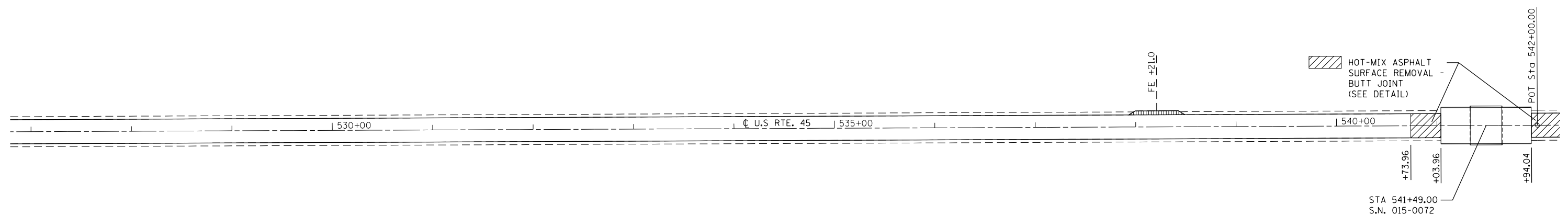
PLAN SHEET

SCALE: 50 SHEET NO. 17 OF 21 SHEETS STA. 200+00 TO STA. 512+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	43
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				



INCIDENTAL HOT-MIX ASPHALT SURFACING



HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT (SEE DETAIL)

INCIDENTAL HOT-MIX ASPHALT SURFACING

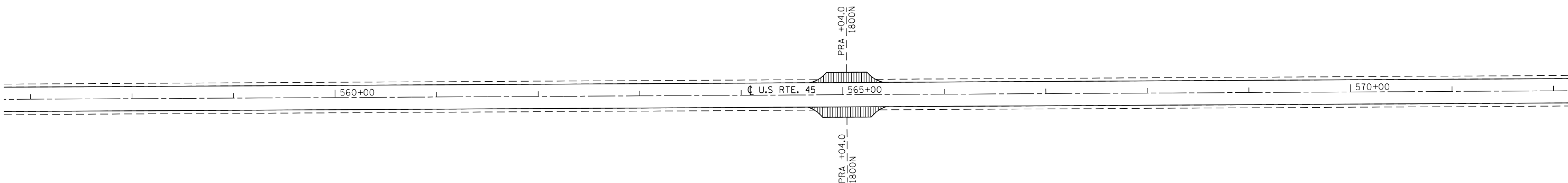
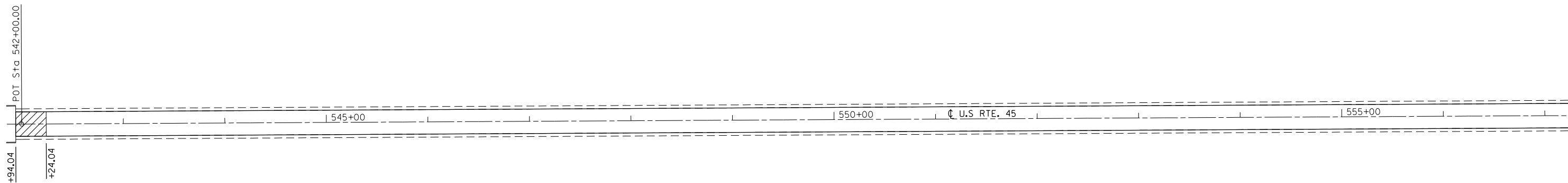
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	PLOT DATE = 10/2/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 50 SHEET NO. 18 OF 21 SHEETS STA. 512+00 TO STA. 542+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	44
CONTRACT NO. 74511			ILLINOIS FED. AID PROJECT	



 INCIDENTAL HOT-MIX ASPHALT SURFACING

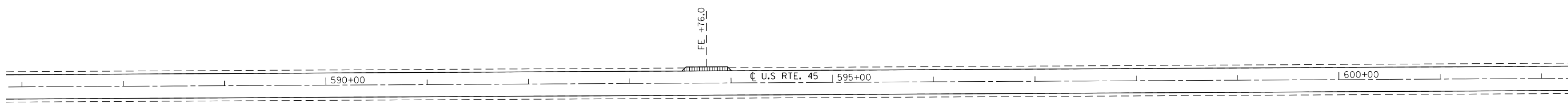
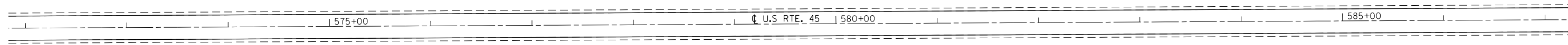
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 50 SHEET NO. 19 OF 21 SHEETS STA. 542+00 TO STA. 572+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	45
				CONTRACT NO. 74511
ILLINOIS FED. AID PROJECT				



 INCIDENTAL HOT-MIX ASPHALT SURFACING

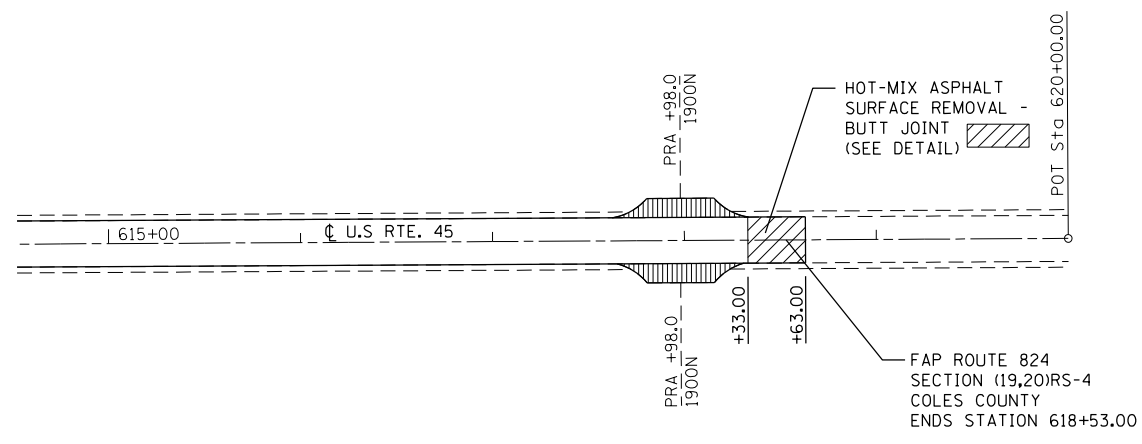
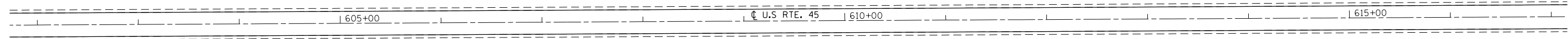
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	PLOT DATE = 10/2/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 50 SHEET NO. 20 OF 21 SHEETS STA. 572+00 TO STA. 602+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	46
				CONTRACT NO. 74511
ILLINOIS FED. AID PROJECT				




 INCIDENTAL HOT-MIX
 ASPHALT SURFACING

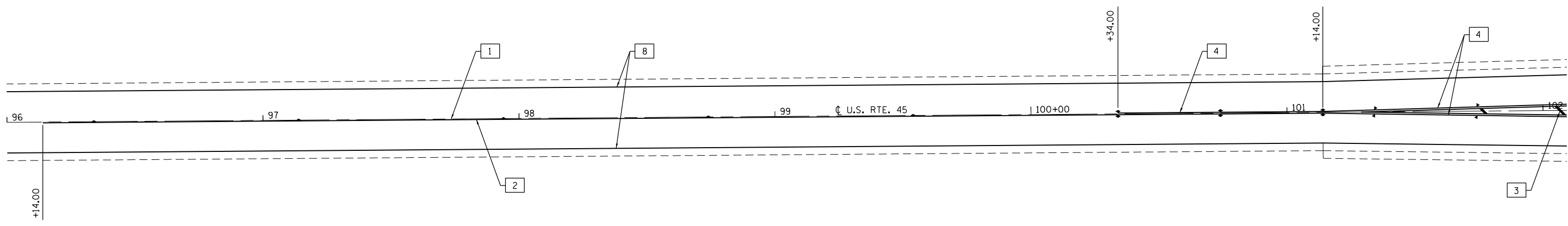
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	PLOT DATE = 10/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: 50 SHEET NO. 21 OF 21 SHEETS STA. 602+00 TO STA. 618+53.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	47
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				

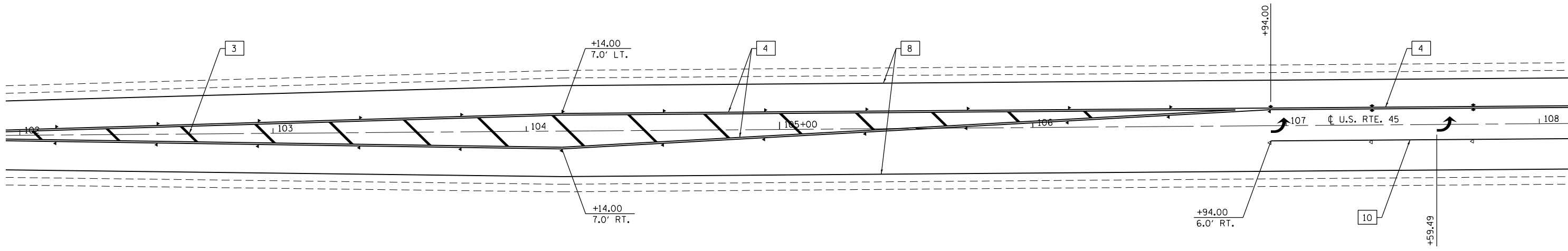


PAVEMENT MARKING LEGEND

- | | |
|-----------------------------------|--|
| 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



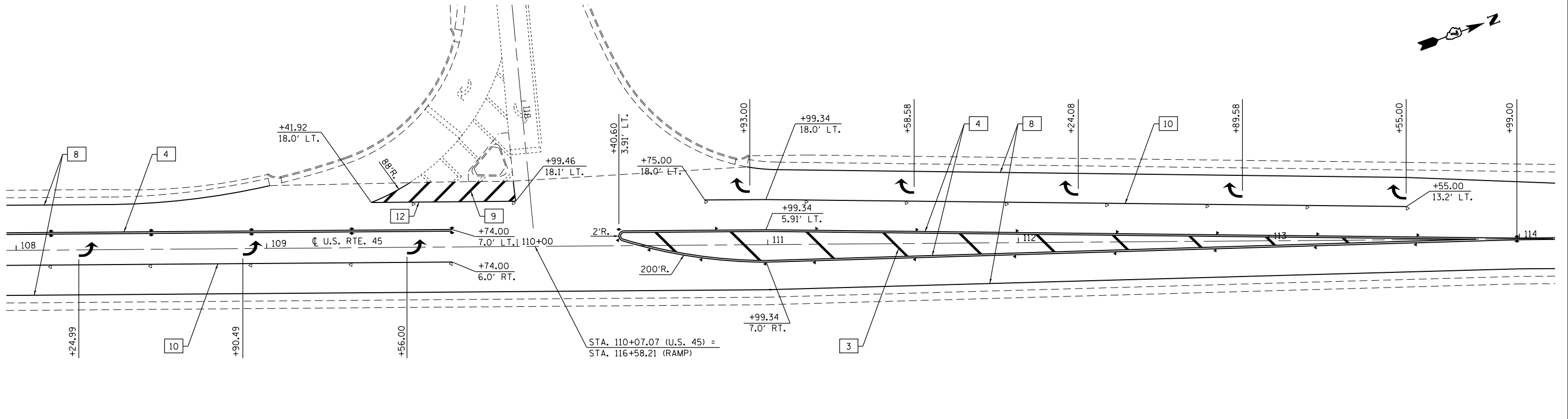
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	PLOT DATE = 10/2/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN DETAIL
AT CH 18 INTERCHANGE RAMP**

SCALE: 20 SHEET NO. 1 OF 5 SHEETS STA. 98+00 TO STA. 108+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	48
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				

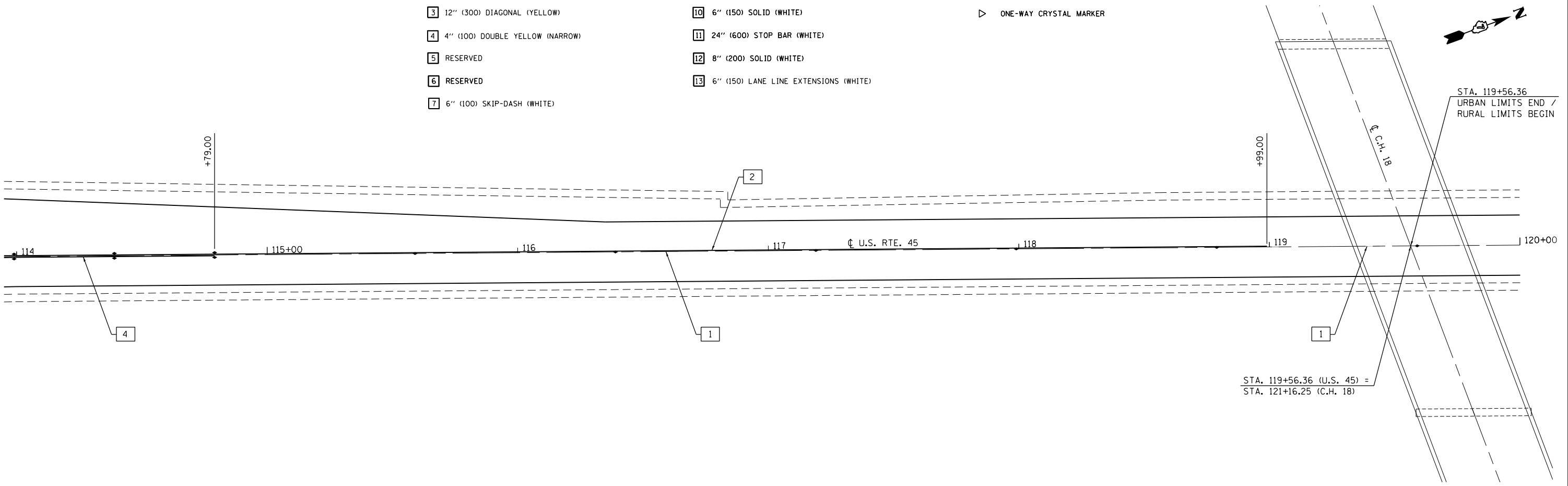


PAVEMENT MARKING LEGEND

- | | |
|-----------------------------------|--|
| 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



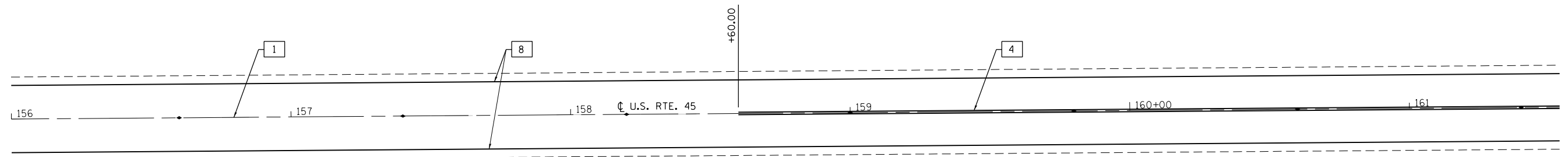
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN DETAIL
AT CH 18 INTERCHANGE RAMP**

SCALE: 20 SHEET NO. 2 OF 5 SHEETS STA. 108+00 TO STA. 118+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	49
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				

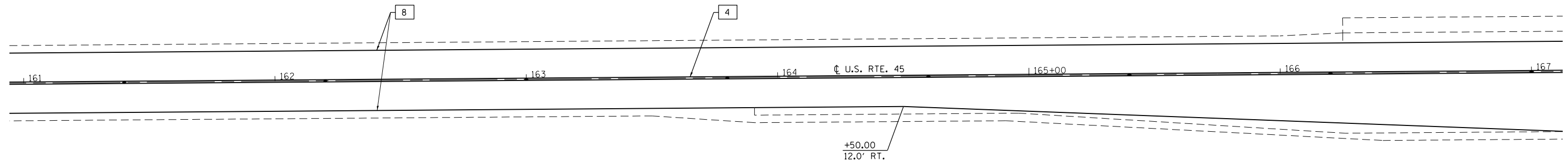


PAVEMENT MARKING LEGEND

- | | |
|-----------------------------------|--|
| 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



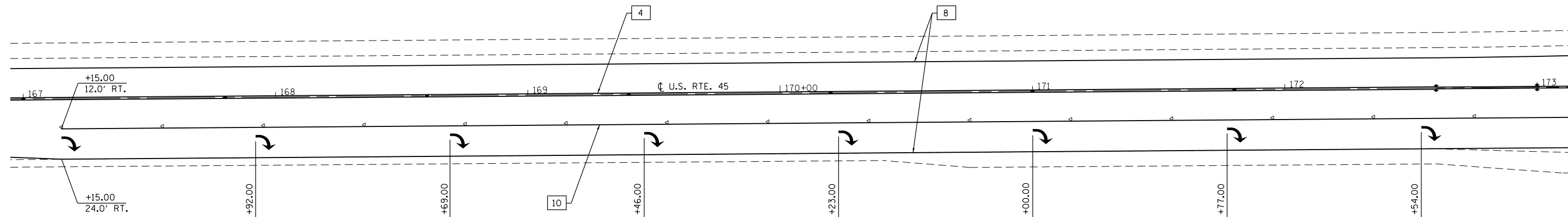
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN DETAIL
AT TR 119 (1100N)**

SCALE: 20 SHEET NO. 3 OF 5 SHEETS STA. 156+00 TO STA. 167+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	50
CONTRACT NO. 74511			ILLINOIS FED. AID PROJECT	

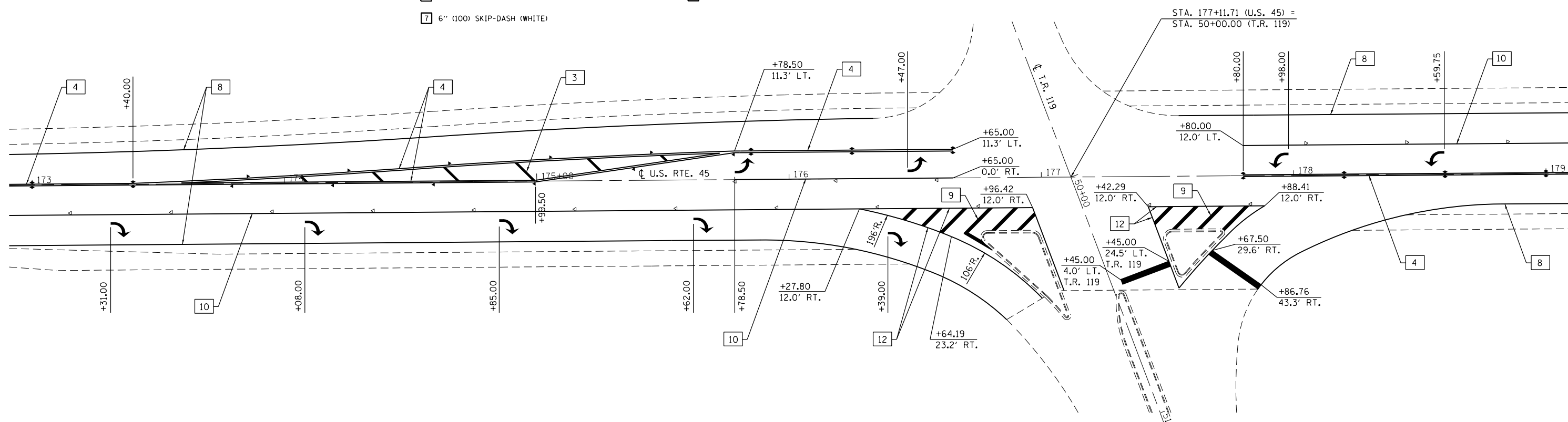
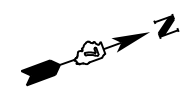


PAVEMENT MARKING LEGEND

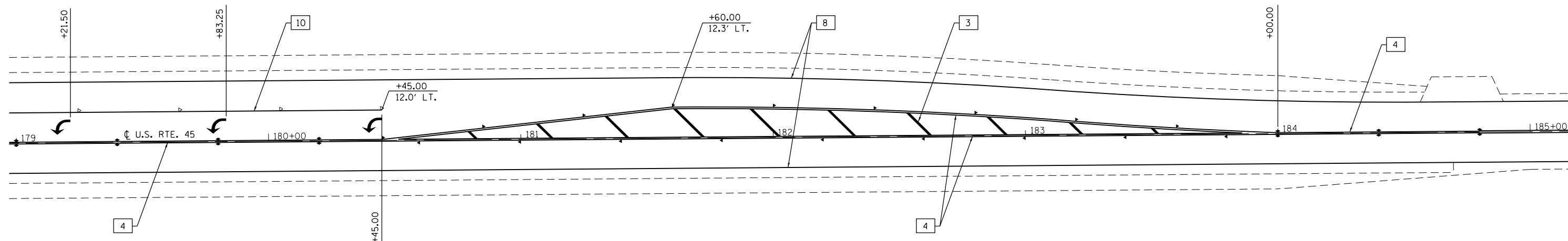
- | | |
|-----------------------------------|--|
| 1 4" (100) SKIP-DASH (YELLOW) | 8 4" (100) SOLID (WHITE) |
| 2 4" (100) SOLID (YELLOW) | 9 12" (300) DIAGONAL (WHITE) |
| 3 12" (300) DIAGONAL (YELLOW) | 10 6" (150) SOLID (WHITE) |
| 4 4" (100) DOUBLE YELLOW (NARROW) | 11 24" (600) STOP BAR (WHITE) |
| 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 = 48.0000' / in.	CHECKED -	REVISED -		SCALE: 20	SHEET NO. 4 OF 5 SHEETS	STA. 167+00 TO STA. 179+00	CONTRACT NO. 74511				
PLOT DATE = 10/2/2012	DATE -	REVISED -	REVISED -	ILLINOIS FED. AID PROJECT								

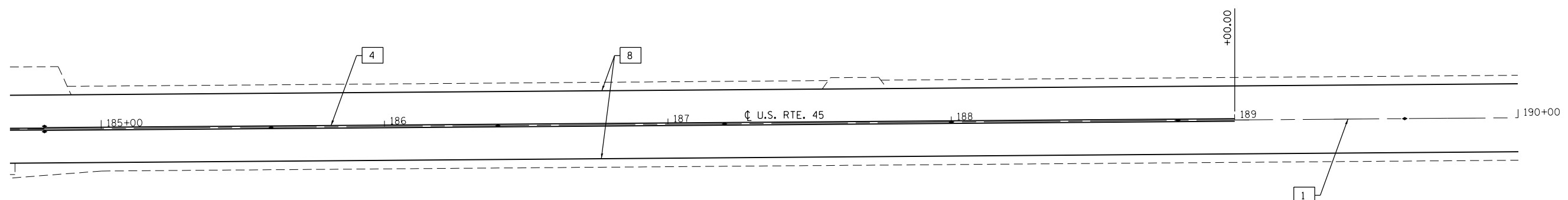


PAVEMENT MARKING LEGEND

- | | |
|-----------------------------------|--|
| 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



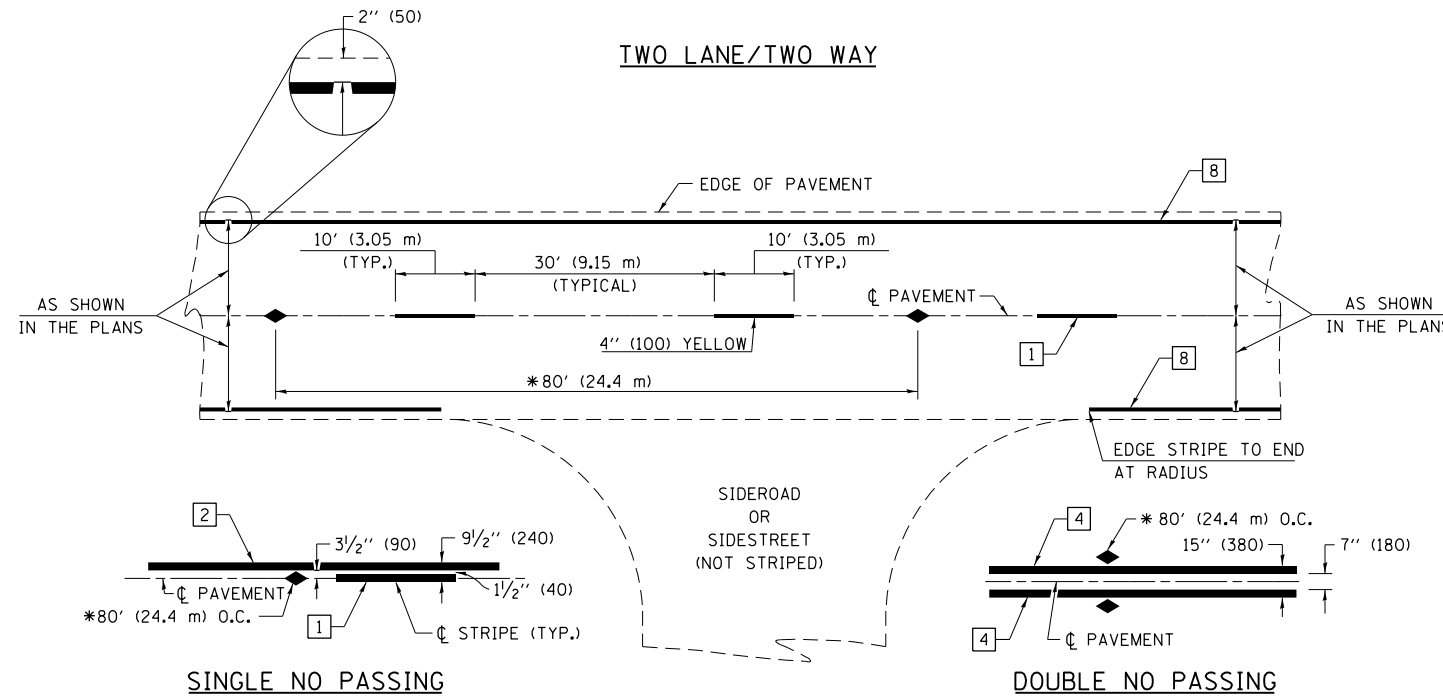
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	PLOT DATE = 10/2/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN DETAIL
AT TR 119 (1100N)**

SCALE: 20 SHEET NO. 5 OF 5 SHEETS STA. 179+00 TO STA. 190+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	52
CONTRACT NO. 74511			ILLINOIS FED. AID PROJECT	



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

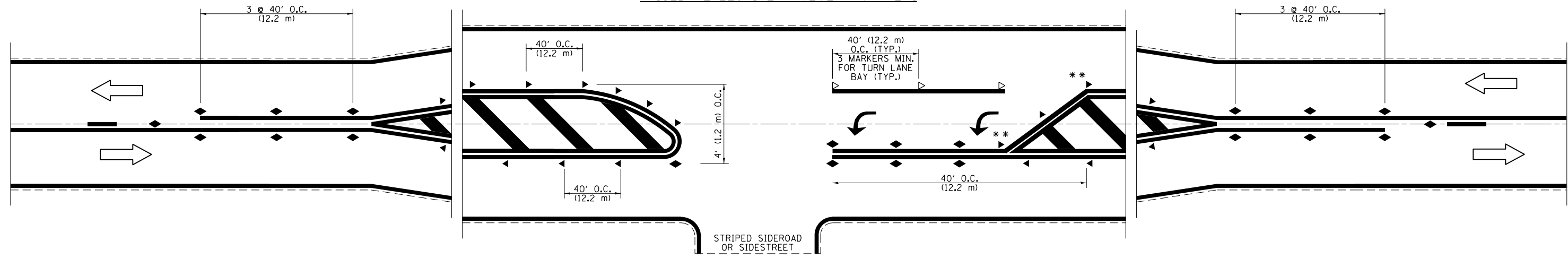
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 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

RAISED REFLECTIVE PAVEMENT MARKERS

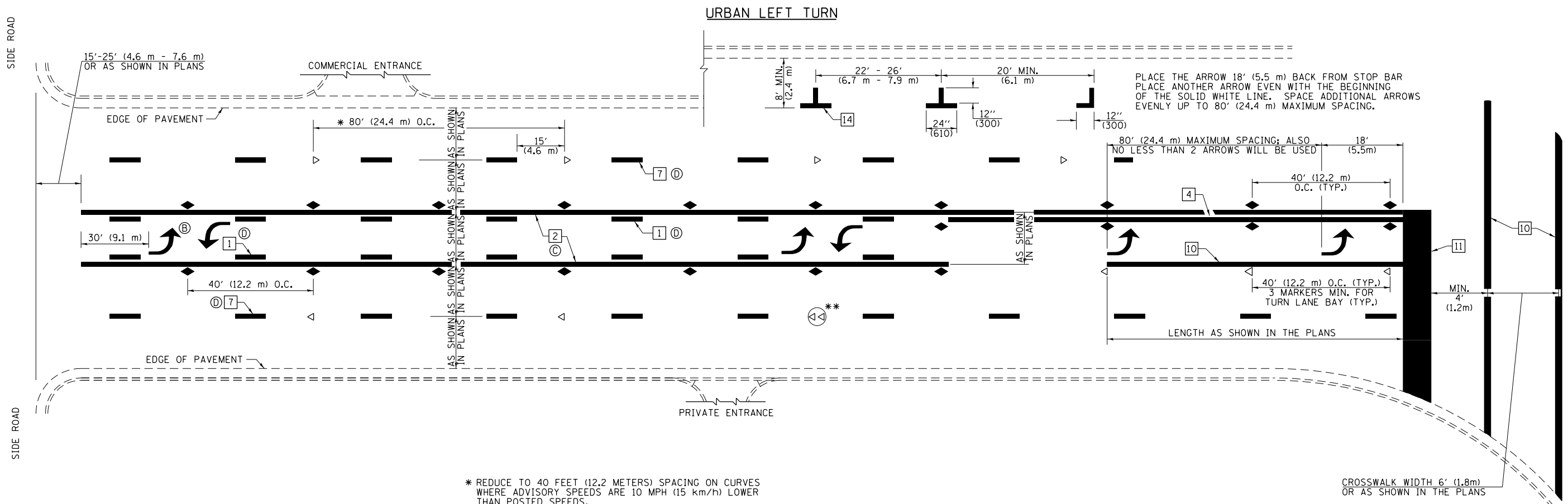


** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

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

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffenmk	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.
ci:\pw\work\p\id\dot\steffenmk\d0249325\d74511-sht-details.dgn	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -				824	(19,20)RS-4	COLES	56	53
	PLOT DATE = 10/2/2012	CHECKED -	REVISED -				CONTRACT NO. 74511				
		DATE -	REVISED -				ILLINOIS FED. AID PROJECT				



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

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

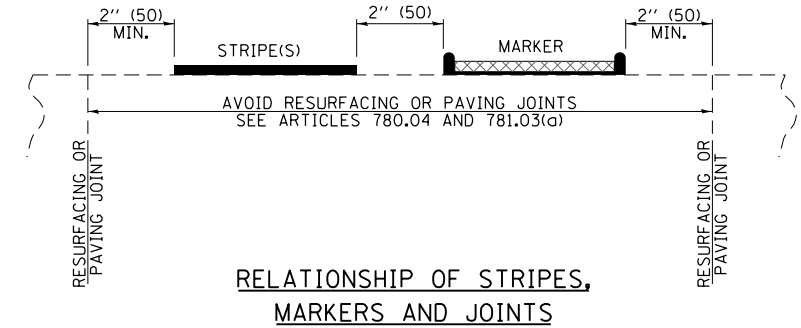
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED
AND SPACED AS SHOWN IN HIGHWAY STANDARD
781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED
HIGHWAYS.

PAVEMENT MARKING LEGEND

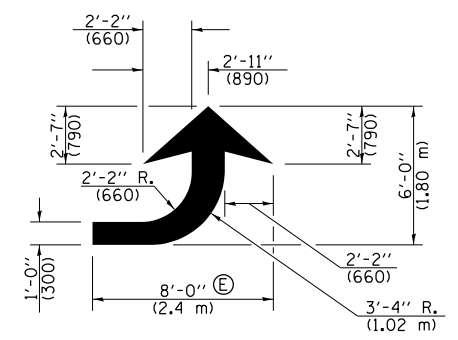
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)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

GENERAL NOTES

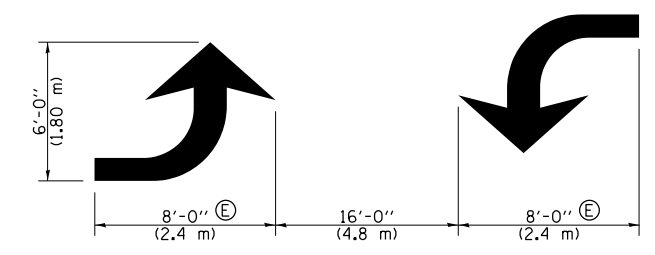
- (B) TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
- (C) THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- (D) 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.
- (E) 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

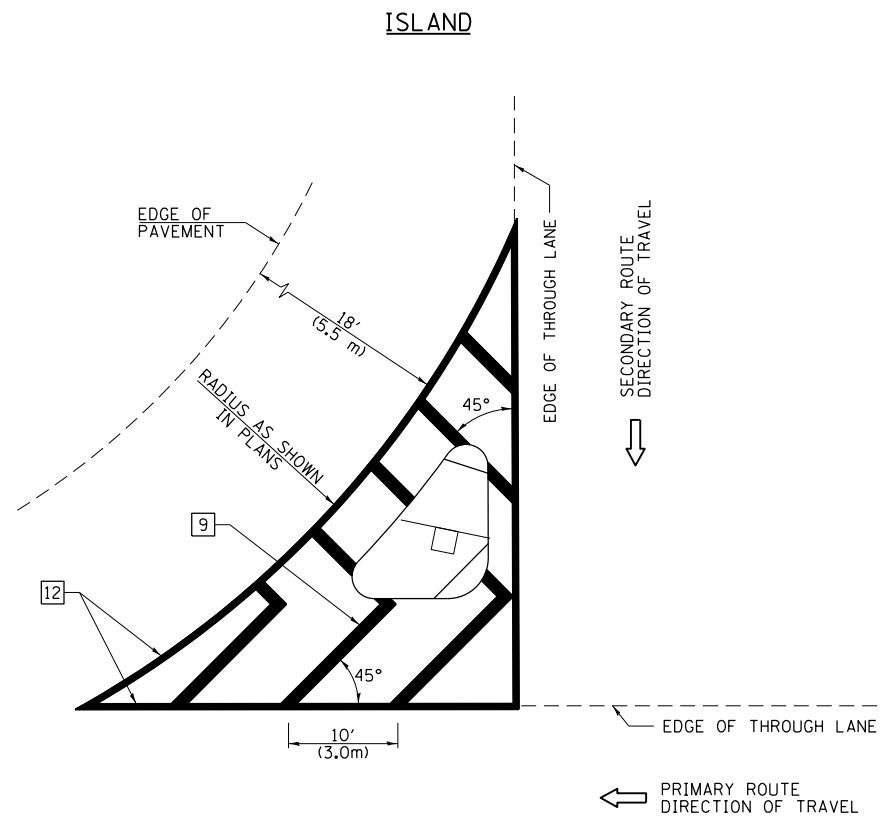
FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
ei:\pw\work\p\midot\steffenmk\d0249325\d74511-shit-details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/2/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(19,20)RS-4	COLES	56	54
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				

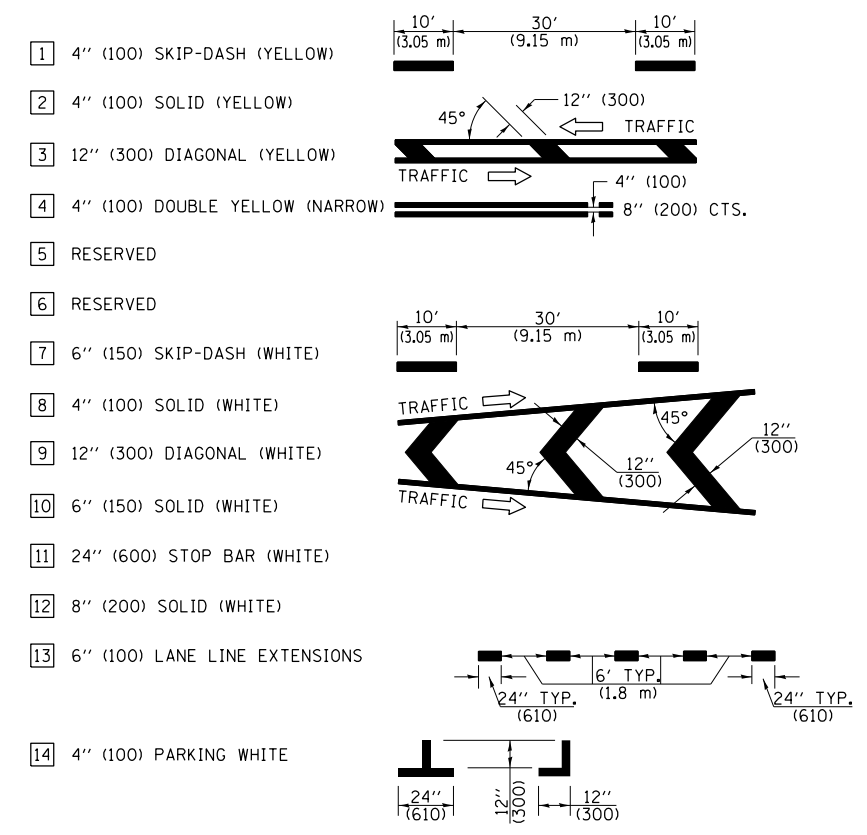


GENERAL NOTES

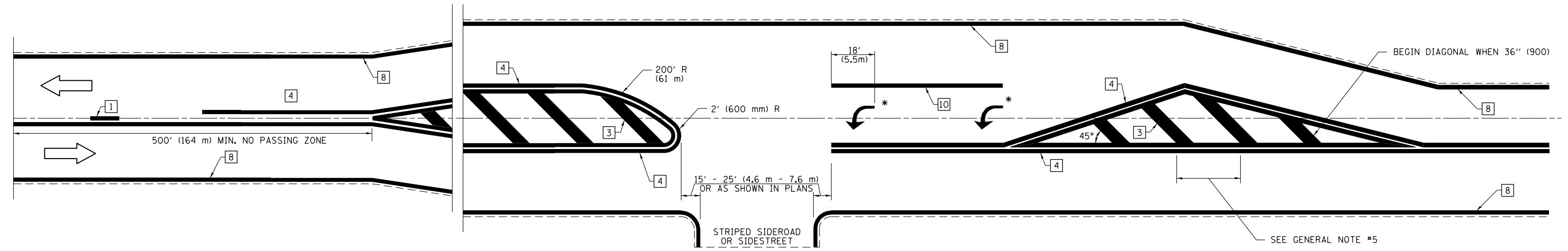
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING 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

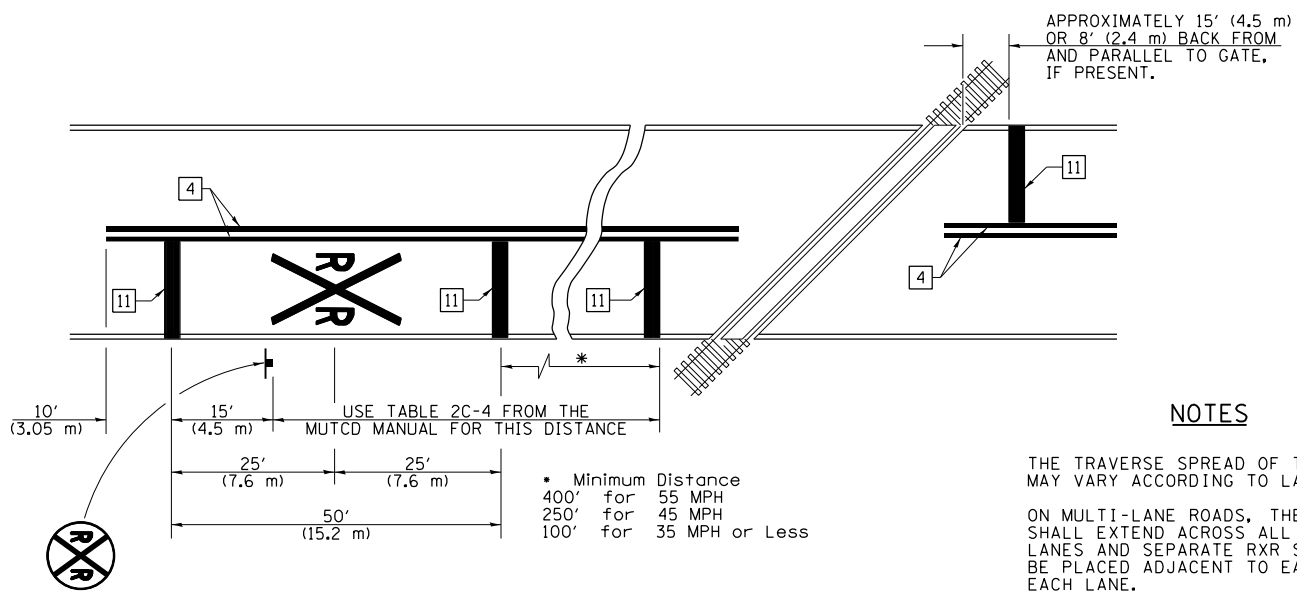
FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
ei:\pw\work\p\id\dot\steffenmk\d0249325\d74511-shr-detail.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/2/2012	DATE -	REVISED -

**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.
824	(19,20)RS-4	COLES	56	55
CONTRACT NO. 74511				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

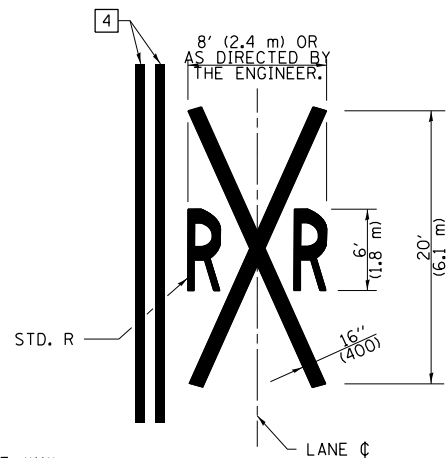


NOTES

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

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

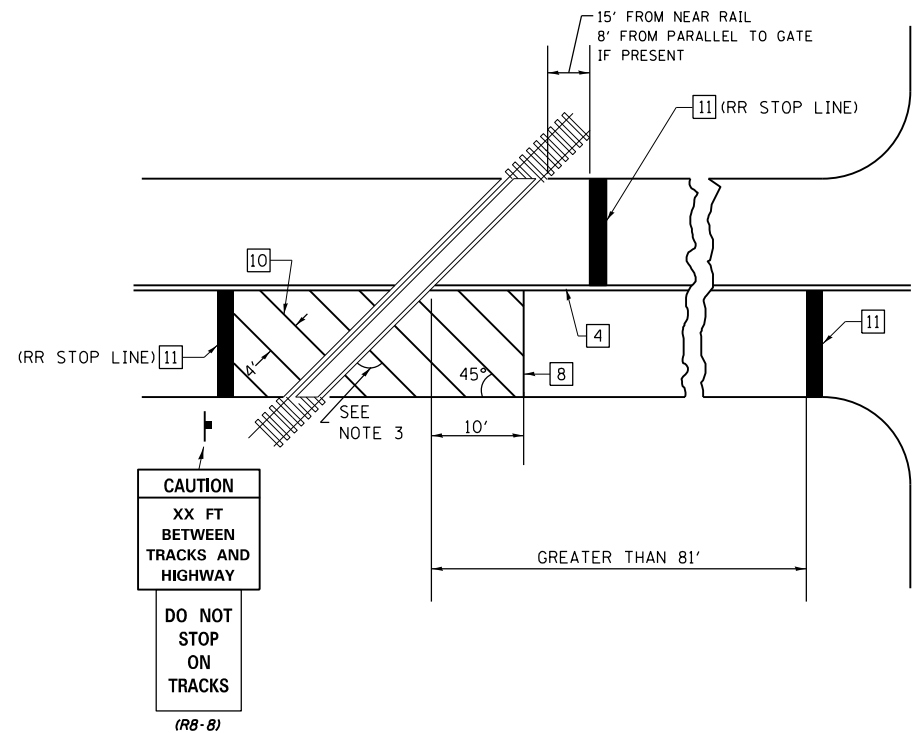
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



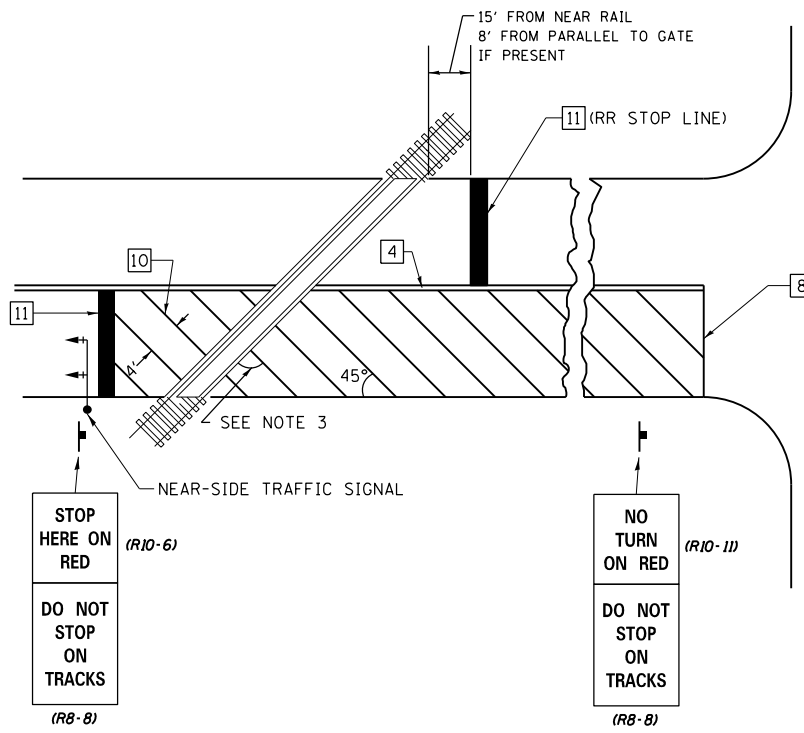
PAVEMENT MARKING LEGEND

- 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

RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

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 = steffenmk	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.
ei:\pw\work\p\id\stev\stev\mk\d0249325\d74511-sht-detail.dgn		DRAWN -	REVISED -			824	(19,20)RS-4	COLES	56	56
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 74511				
	PLOT DATE = 10/2/2012	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

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