

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

F.A.P. ROUTE 779 (HUTSONVILLE ROAD)  
SECTION 101 RS-2  
PROJECT ACF-0779(010)  
SMART RESURFACING  
CRAWFORD COUNTY  
C-97-024-12

FOR INDEX OF SHEETS, SEE SHEET NO. 2

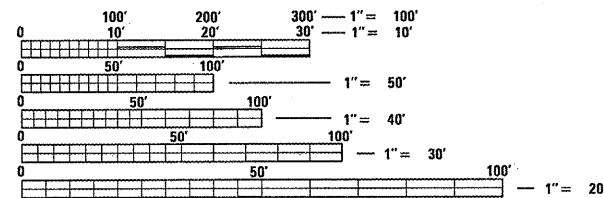
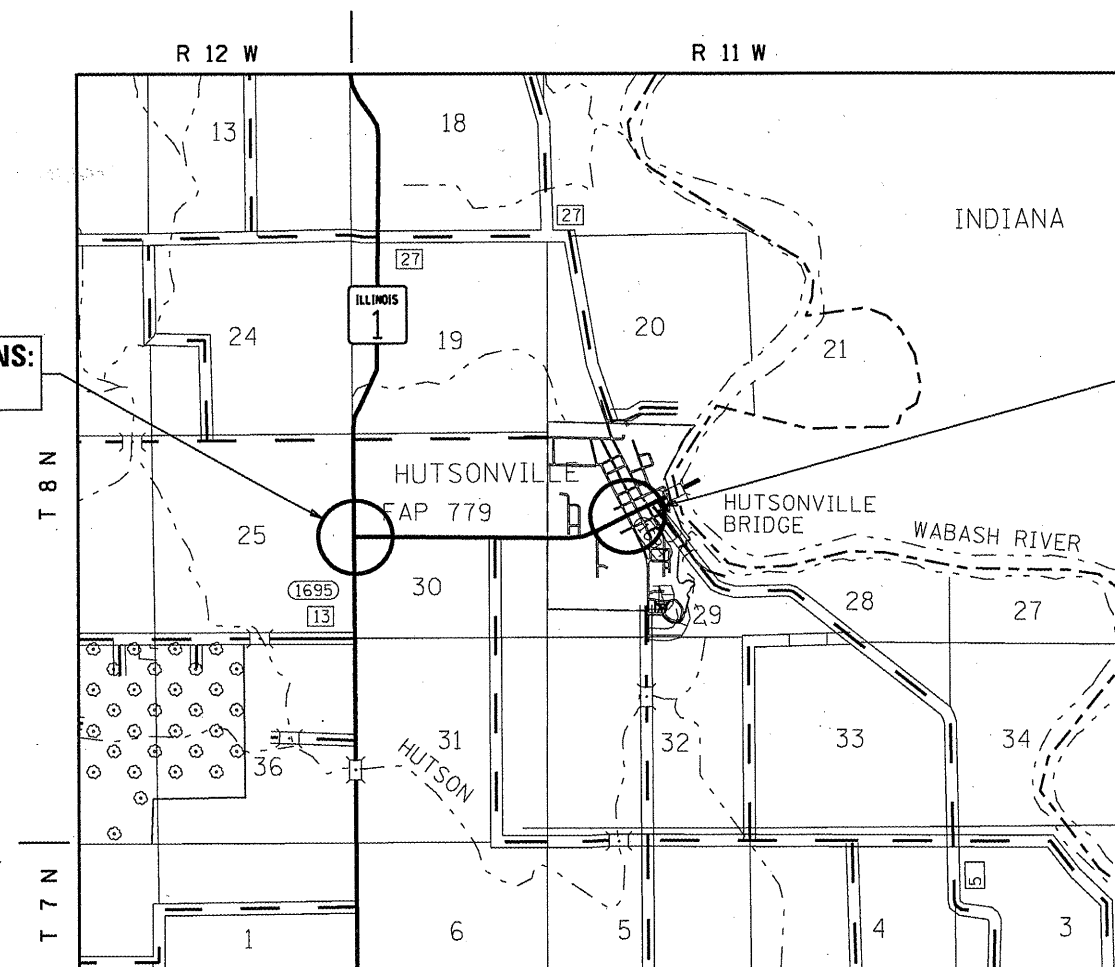
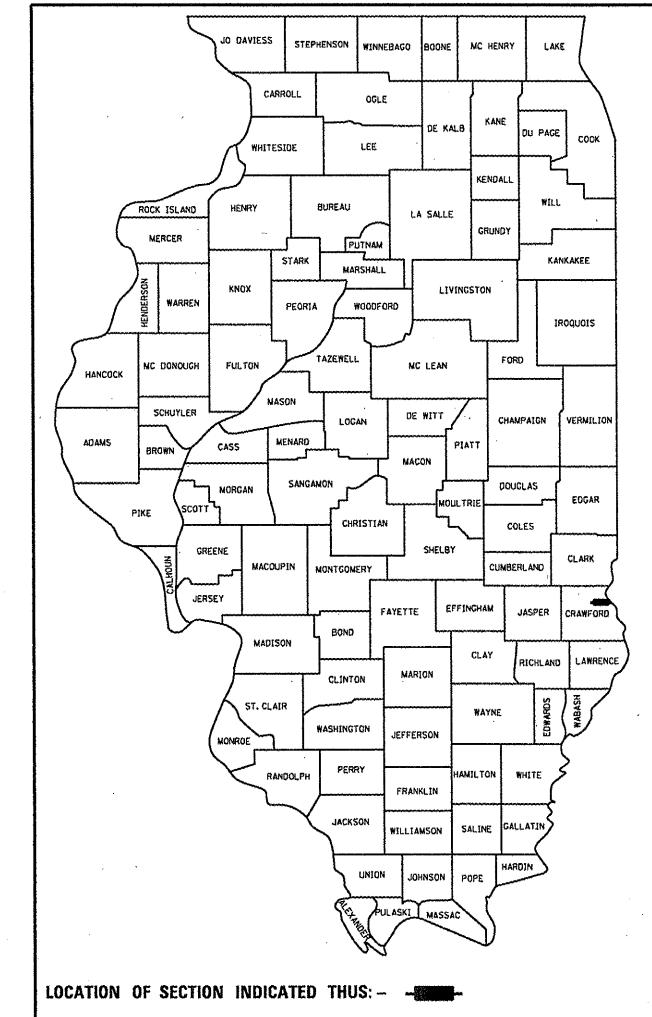
ADT = 2600

**STATION EQUATIONS:**

STA. 61+71.12 BK = STA. 61+77.47 AH  
STA. 72+24.11 BK = STA. 72+24.18 AH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	101 RS-2	CRAWFORD	17	1
		ILLINOIS	CONTRACT NO. 74553	

D-97-015-12



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: TOM RONAN  
PHONE: (217)-342-8320  
CONTRACT NO. 74553

GROSS LENGTH = 7,329.56 FT. = 1.39 MILES  
NET LENGTH = 7,329.56 FT. = 1.39 MILES



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *Jan 26 20 12*  
*James J. Driskell*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION / ENGINEER

*March 23 20 12*  
*John D. Baranzelli, P.E.*  
acting ENGINEER OF DESIGN AND ENVIRONMENT

*March 23 20 12*  
*William R. Frey*  
acting 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
3-4	SUMMARY OF QUANTITIES
5-7	TYPICAL SECTIONS
8	SCHEDULES OF QUANTITIES
9	MILLING & SAFETY EDGE DETAILS
10	TIE POINTS
11	SURVEY MARKER VAULT
12	ENTRANCE SCHEDULE
13-16	PAVEMENT MARKING DETAILS
17	LOCATION MAP & INTERSECTION DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 17:

STD. NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
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 THAT 15' AWAY
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-02	OFF-RD 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
701901-02	TRAFFIC CONTROL DEVICES
780001-03	TYPICAL 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, 2012; AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THIS PROJECT IS LOCATED ON FAP 779 (HUTSONVILLE ROAD) IN CRAWFORD COUNTY, FROM ILLINOIS ROUTE 1 TO SOUTH ROSE STREET IN HUTSONVILLE. THE WORK INCLUDED IN SECTION 101RS-2 CONSISTS OF PAVEMENT PATCHING, MILLING, HOT-MIX ASPHALT RESURFACING, AGGREGATE SHOULDERS, PAVEMENT MARKING, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

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), 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 SURFACE.

## GENERAL NOTES (Cont'd)

THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING-LINE 4" CONSISTS OF 9,801 FEET OF WHITE AND 1,832 FEET OF YELLOW.

THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING-LINE 8" CONSISTS OF 102 FEET OF WHITE.

THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING-LINE 12" CONSISTS OF 46 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 6" CONSISTS OF 52 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 24" CONSISTS OF 30 FEET OF WHITE.

THE MATERIAL USED FOR AGGREGATE SHOULDERS, TYPE B AND 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 AND THE FINAL LOCATIONS AND QUANTITY SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

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

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 CONTRACTOR SHALL USE EITHER RC-70, SS1H, OR SS-1HP, APPLIED AT THE RATE DIRECTED BY THE ENGINEER, FOR THE PAY ITEM BITUMINOUS MATERIALS (PRIME COAT).

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 FULL DEPTH THROUGH THE EXISTING SURFACE. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT ITEMS INVOLVED AND NO EXTRA COMPENSATION WILL BE ALLOWED.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE:	SURFACE COURSE
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	IL-9.5
FRICTION AGGREGATE:	MIXTURE C

MIXTURE USE:	INCIDENTAL	CLASS D & PARTIAL DEPTH PATCHING
PG GRADE:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	IL-9.5	IL-19.0
FRICTION AGGREGATE:	MIXTURE C	N/A

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

AGGREGATE SURFACE COURSE	2.05 TONS/CU YD
AGGREGATE SHOULDERS	2.05 TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.10 GAL/SQ YD
AGGREGATE (PRIME COAT)	4 LBS/SQ YD
HOT-MIX ASPHALT	112 LBS/SQ YD/INCH

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS AND GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\puidat\stefennk\d0282277.D	74553-shr-index.dgn	DRAWN -	REVISED -			779	101 RS-2	CRAWFORD	17	2
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -				CONTRACT NO. 74553				
PLOT DATE = 1/25/2012	DATE -	REVISED -				SCALE: NA	SHEET 1	OF 1	SHEETS	STA.

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		80% FED. 20% STATE 0005		
Z0049799	PROTECTING OR RESETTING SURVEY MARKERS	EACH	5	5		
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	103	103		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	72	72		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2029	2029		
40600300	AGGREGATE (PRIME COAT)	TON	41	41		
40600990	TEMPORARY RAMP	SO YD	37	37		
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	1819	1819		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	8	8		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	7329	7329		
44201798	CLASS D PATCHES, TYPE I, 13 INCH	SO YD	16	16		
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SO YD	889	889		
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SO YD	129	129		
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SO YD	27	27		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	381	381		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		80% FED. 20% STATE 0005		
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1	1		
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		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	2	2		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1847	1847		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	11633	11633		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	242	242		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	52	52		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	30	30		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	11633	11633		
* 78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	102	102		
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	46	46		

\*SPECIALTY ITEM

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	PLOT DATE = 1/25/2012	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

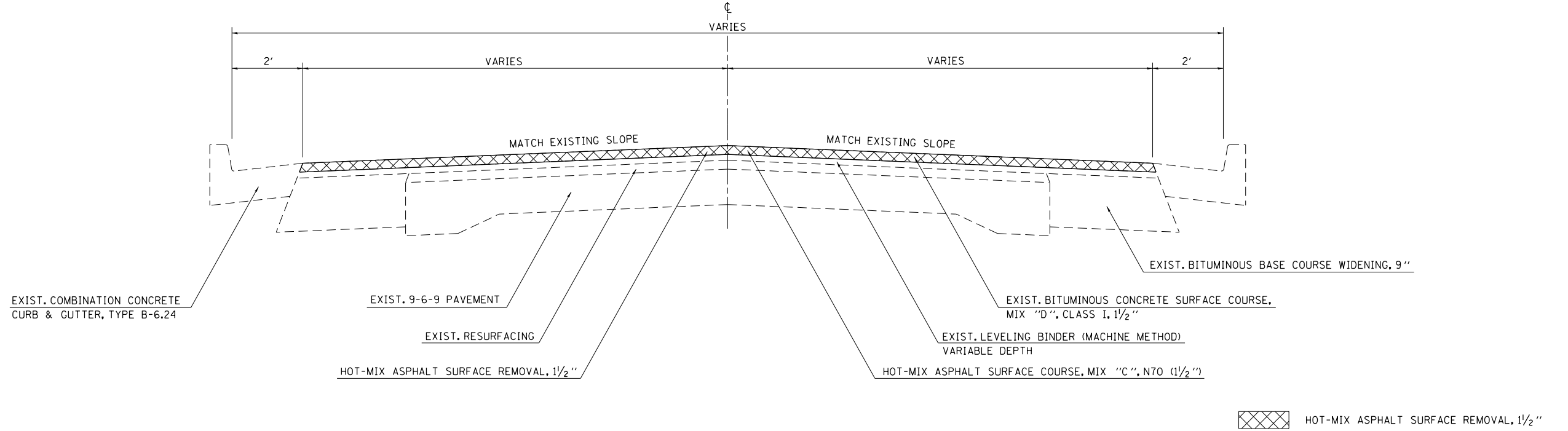
SUMMARY OF QUANTITIES

SCALE: NA	SHEET 1 OF 2 SHEETS	STA. TO STA.	F.A.P. RTE. 779	SECTION 101 RS-2	COUNTY CRAWFORD	TOTAL SHEETS 17	SHEET NO. 3
						CONTRACT NO. 74553	
ILLINOIS FED. AID PROJECT							



### TYPICAL CROSS SECTION

STA. 0+14.00 TO STA. 2+30.84

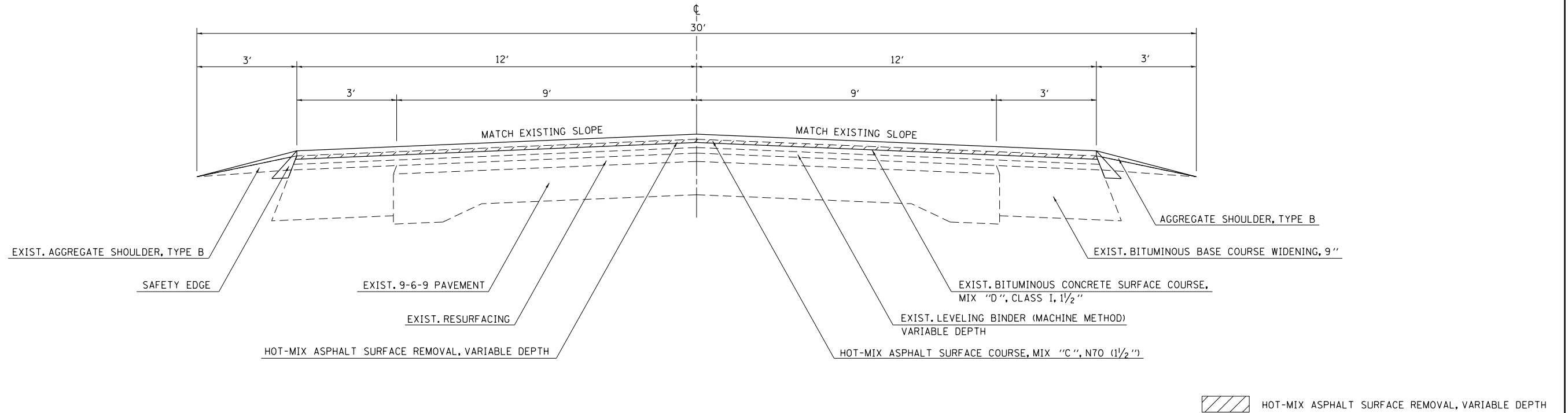


 HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"

NOTE: NOT DRAWN TO SCALE

### TYPICAL CROSS SECTION

STA. 2+30.84 TO STA. 51+50.00



 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

NOTE: NOT DRAWN TO SCALE

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

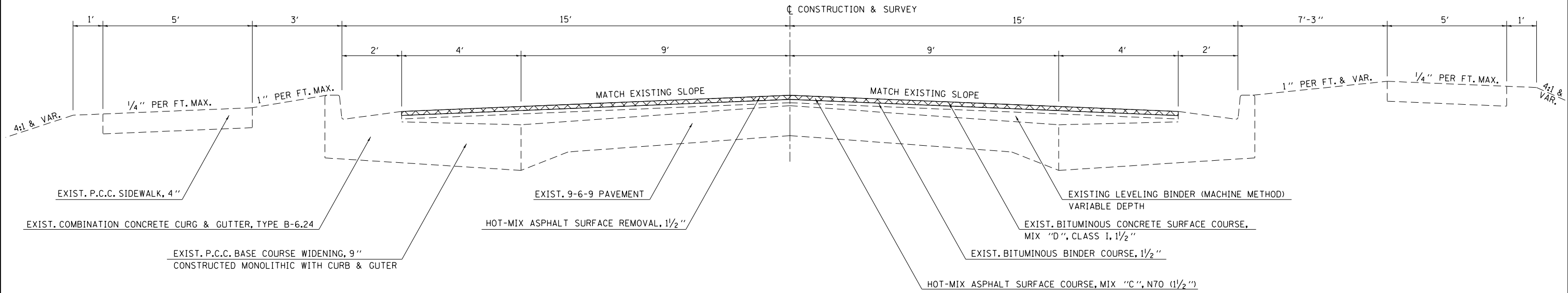
#### TYPICAL CROSS SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	101 RS-2	CRAWFORD	17	5
CONTRACT NO. 74553				
ILLINOIS FED. AID PROJECT				

### TYPICAL CROSS SECTION

STA. 51+50.00 TO STA. 58+52.80

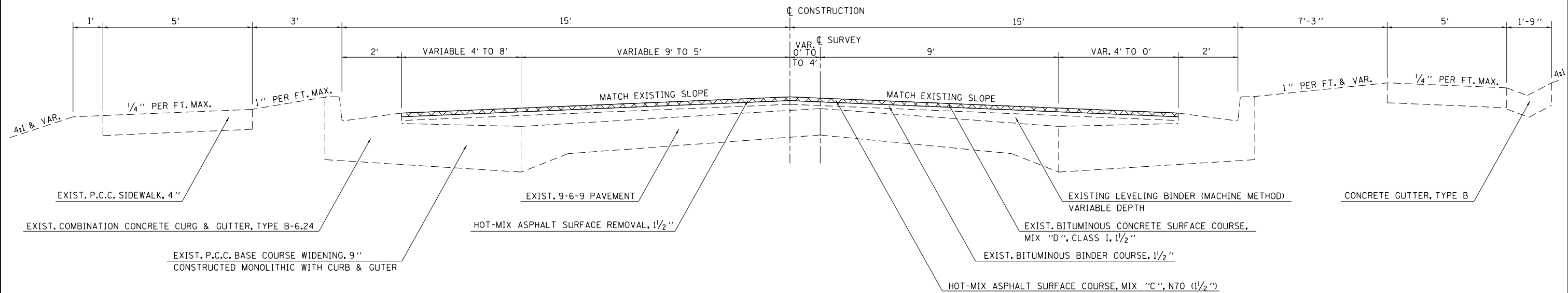


HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

NOTE: NOT DRAWN TO SCALE

### TYPICAL CROSS SECTION

STA. 58+52.80 TO STA. 61+53.75 (BK)



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

NOTE: NOT DRAWN TO SCALE

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

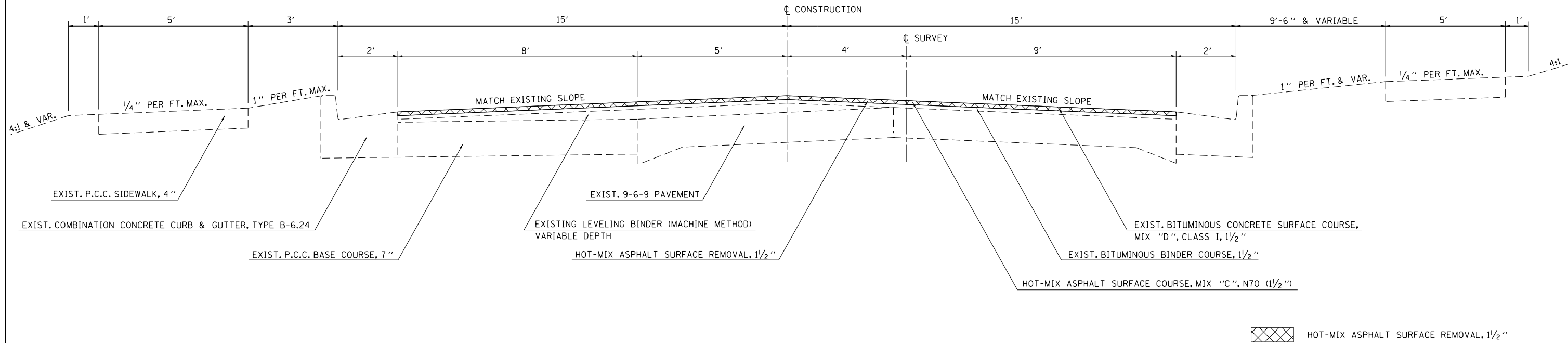
TYPICAL CROSS SECTIONS

SCALE: NA SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	101 RS-2	CRAWFORD	17	6
CONTRACT NO. 74553				
ILLINOIS FED. AID PROJECT				

### TYPICAL CROSS SECTION

STA. 61+60.10 TO STA. 68+18.60 (AH)  
 STA. 68+68.60 TO STA. 73+49.98

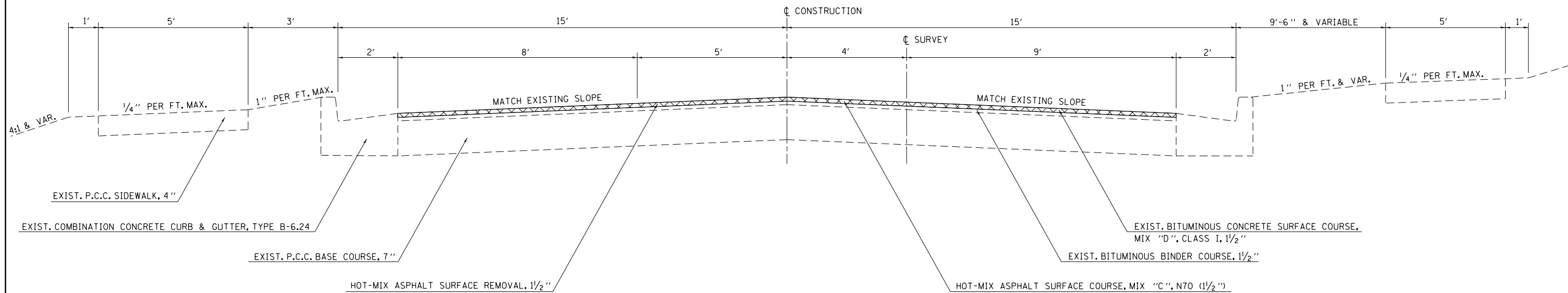


 HOT-MIX ASPHALT SURFACE REMOVAL, 1/2''

NOTE: NOT DRAWN TO SCALE

### TYPICAL CROSS SECTION

STA. 68+18.60 TO STA. 68+68.60



 HOT-MIX ASPHALT SURFACE REMOVAL, 1/2''

NOTE: NOT DRAWN TO SCALE

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	PLOT DATE = 1/25/2012	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: NA SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	101 RS-2	CRAWFORD	17	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74553	

PAVING SCHEDULE

LOCATION			LENGTH	AVERAGE PAVEMENT WIDTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	AGGREGATE SHOULDERS, TYPE B	TEMPORARY RAMP	EXCAVATING AND GRADING EXISTING SHOULDERS
STATION	TO	STATION	FOOT	FOOT	SQ YD	SQ YD	SQ YD	GALLON	TON	TON	TON	SQ YD	UNIT
0+14.00	TO	2+30.84	216.8	VARIES	828.4		828.4	83	1.7	69.6		22.2	4.3
2+30.84	TO	2+60.84	30.0	24	80.0		80.0	8	0.2	7.4	2.3		0.6
2+60.84	TO	51+20.00	4859.2	24	12957.8	12958		1296	25.9	1201.9	376.3		97.2
51+20.00	TO	51+50.00	30.0	25	83.3		83.3	8	0.2	7.7	2.3		0.6
51+50.00	TO	61+71.12	1021.1	26	2949.9		2949.9	295	5.9	247.8			
61+71.12 BK	=	61+77.47 AH											
61+77.47	TO	72+24.11	1046.6	26	3023.6		3023.6	302	6.0	254.0			
72+24.11 BK	=	72+24.18 AH											
72+24.18		73+49.98	125.8	26	363.4		363.4	36	0.7	30.5		14.4	
TOTALS			7330		20286	12958	7329	2029	41	1819	381	37	103

PAVEMENT MARKING SCHEDULE

LOCATION			LENGTH	SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKERS	PAINT PAVEMENT MARKING-LINE 8"	PAINT PAVEMENT MARKING-LINE 12"	THERMOPLASTIC PAVEMENT MARKING-LINE 24"	THERMOPLASTIC PAVEMENT MARKING-LINE 6"	PAINT PAVEMENT MARKING-LINE 4"
STATION	TO	STATION	FOOT	FOOT	SQ FT	EACH	FOOT	FOOT	FOOT	FOOT	FOOT
0+14.00	TO	2+30.84	216.8	65.1	7.2	3	102	46.0	30		54
2+30.84	TO	2+60.84	30.0	9.0	1.0	1					67
2+60.84	TO	51+20.00	4859.2	1,457.7	160.4	61					10,895
51+20.00	TO	51+50.00	30.0	9.0	1.0	1				52	68
51+50.00	TO	61+71.12	1021.1	306.3	33.7	13					255
61+71.12 BK	=	61+77.47 AH									0
61+77.47	TO	72+24.11	1046.6	314.0	34.5	13					262
72+24.11 BK	=	72+24.18 AH									0
72+24.18		73+49.98	125.8	37.7	4.2	2					31
SHEET TOTALS			7,330	1,847	242	90	102	46	30	52	11,633

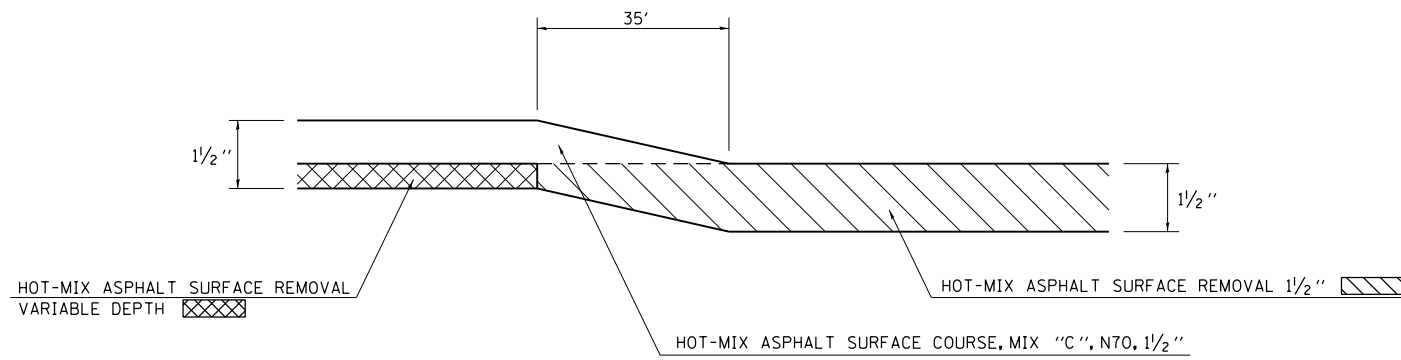
PATCHING SCHEDULE

CLASS D PATCHES, TYPE I, 13" SQ. YD.	CLASS D PATCHES, TYPE II, 13" SQ. YD.	CLASS D PATCHES, TYPE III, 13" SQ. YD.	CLASS D PATCHES, TYPE IV, 13" SQ. YD.	PARTIAL DEPTH REMOVAL (VAR. DEPTH) SQ. YD.	HOT-MIX ASPHALT FOR PATCHING TON
16	889	129	27	276	93

SURVEY MARKERS SCHEDULE

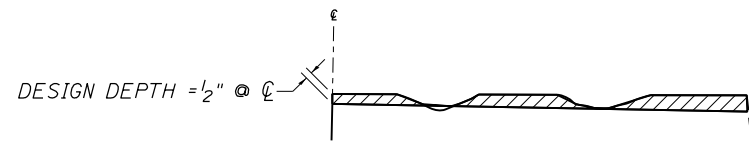
LOCATION	OFFSET	SURVEY MARKER VAULT	PROTECTING OR RESETTING SURVEY MARKERS	PERMANENT SURVEY MARKERS
		EACH	EACH	EACH
23+56.87	0.3' LT.	1		1
49+91.38	1.34' LT	1	1	
58+52.53	0.0	1	1	
61+71.72 BK =	4.0' RT	1	1	
61+77.47 AH				
66+24.21	3.8' RT.	1	1	
72+24.19	3.8' RT.	1	1	
TOTAL		6	5	1





**MILLING TRANSITION DETAIL**

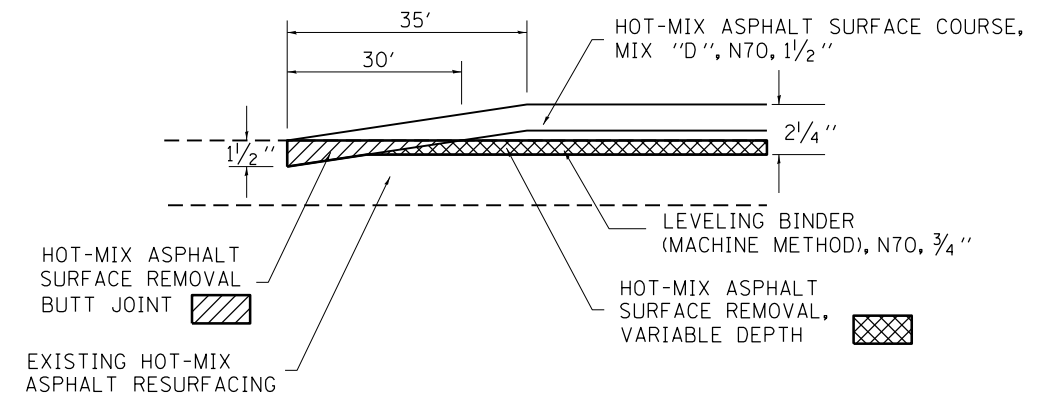
- STA. 1310+50.00 TO STA. 1310+85.00
- STA. 1318+75.00 TO STA. 1319+10.00
- STA. 1323+91.00 TO STA. 1324+26.00
- STA. 1330+05.00 TO STA. 1330+40.00
- STA. 1359+15.00 TO STA. 1359+50.00
- STA. 1365+90.00 TO STA. 1366+25.00
- STA. 1377+03.00 TO STA. 1377+38.00
- STA. 1381+30.00 TO STA. 1381+65.00
- STA. 1384+86.00 TO STA. 1385+21.00
- STA. 1414+40.00 TO STA. 1414+75.00



**NOTES:**

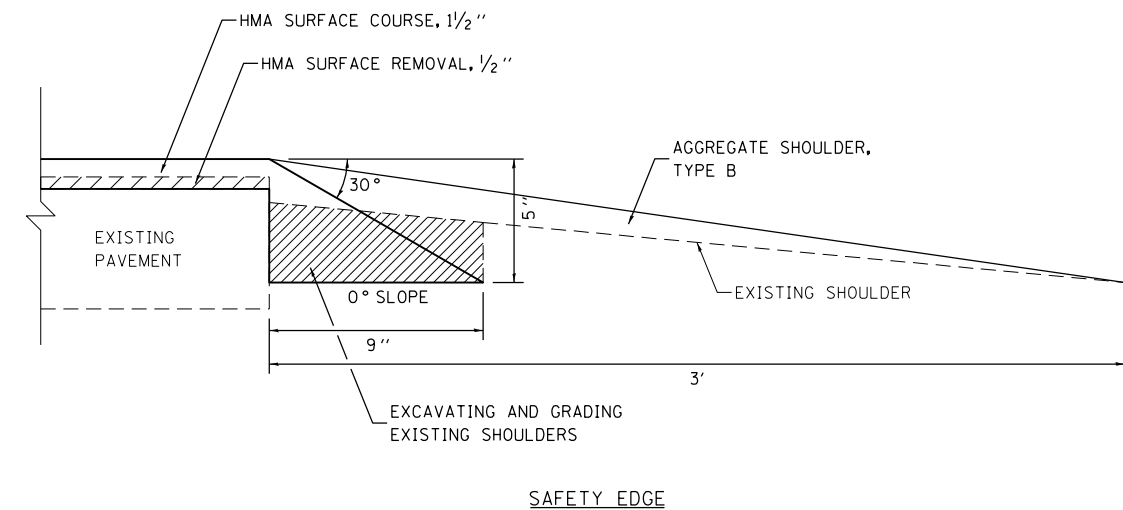
1. MILLING SHALL BE DONE TO ATTAIN A 3/16 "/li>
- 2. EXISTING S.E. AND S.E. TRANSITIONS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON THE PLANS.
- 3. MILLING TO THE BOTTOM OF WHEEL RUTS SHALL NOT BE NECESSARY UNLESS REQUIRED TO OBTAIN SLOPE OR THE DESIGN DEPTH AT CENTERLINE.
- 4. THE AVERAGE DEPTH OF MILLING IS ESTIMATED TO BE 1/2" BUT MAY VARY IN ISOLATED LOCATIONS.

**HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH) DETAIL**



**HOT-MIX ASPHALT BUTT JOINT DETAIL**

STA. 5+06 TO STA. 5+41



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 1/25/2012	DATE -	REVISED -

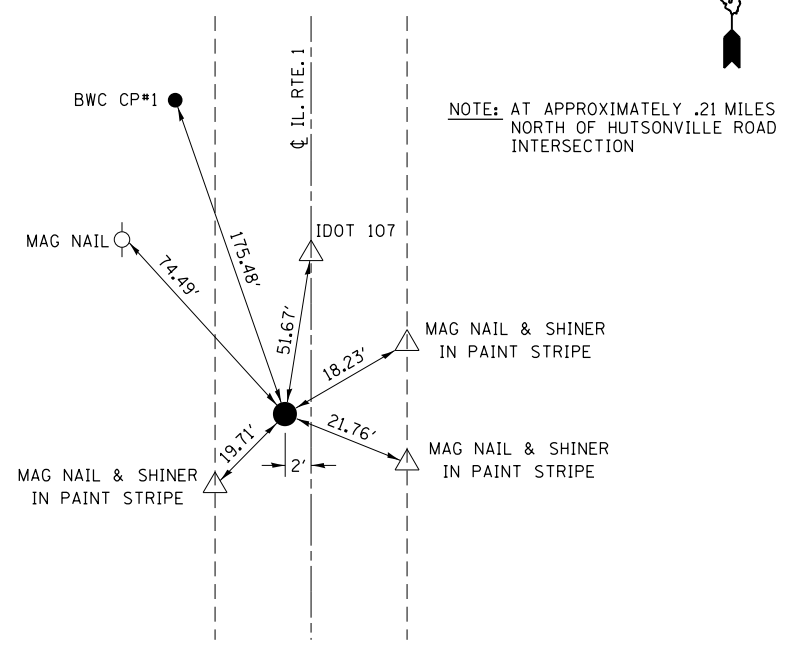
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MILLING AND SAFETY EDGE DETAILS**

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

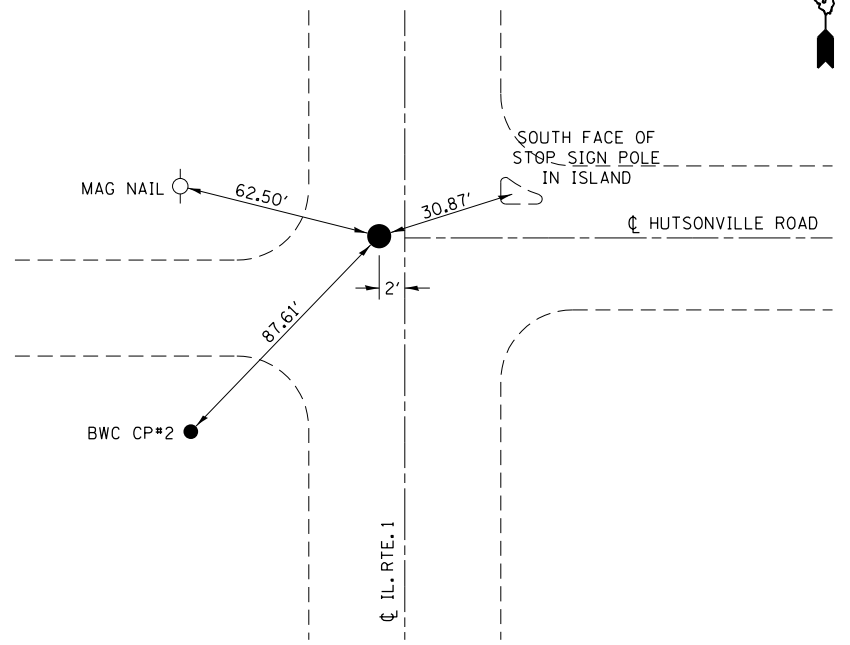
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	101 RS-2	CRAWFORD	17	9
CONTRACT NO. 74553				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**STATION 231+00**  
**MAG NAIL 2' LT. PT #10004**



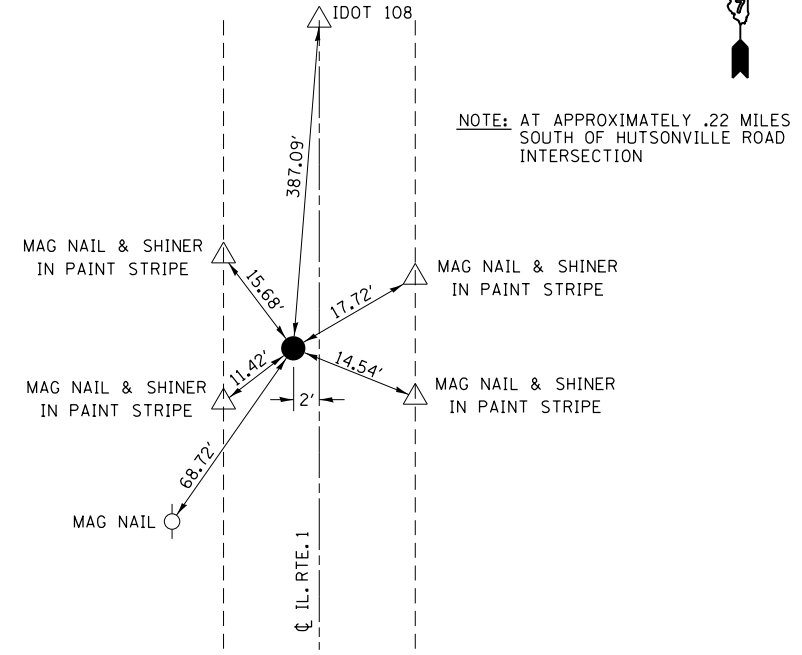
NOTE: NOT DRAWN TO SCALE

**STATION 242+35**  
**MAG NAIL 2' LT. PT #10005**



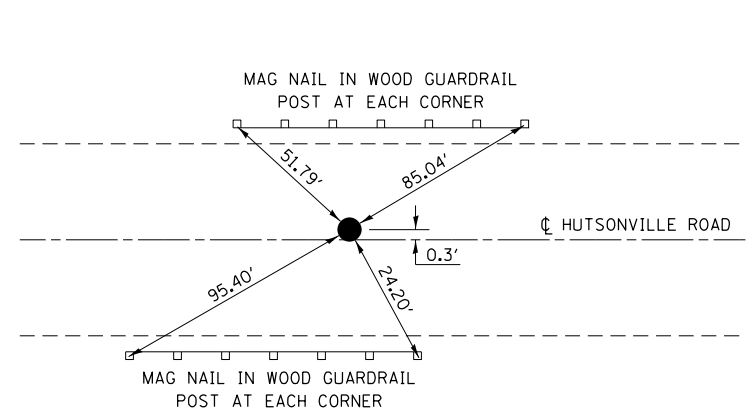
NOTE: NOT DRAWN TO SCALE

**STATION 254+00**  
**MAG NAIL 2' LT. PT #10006**



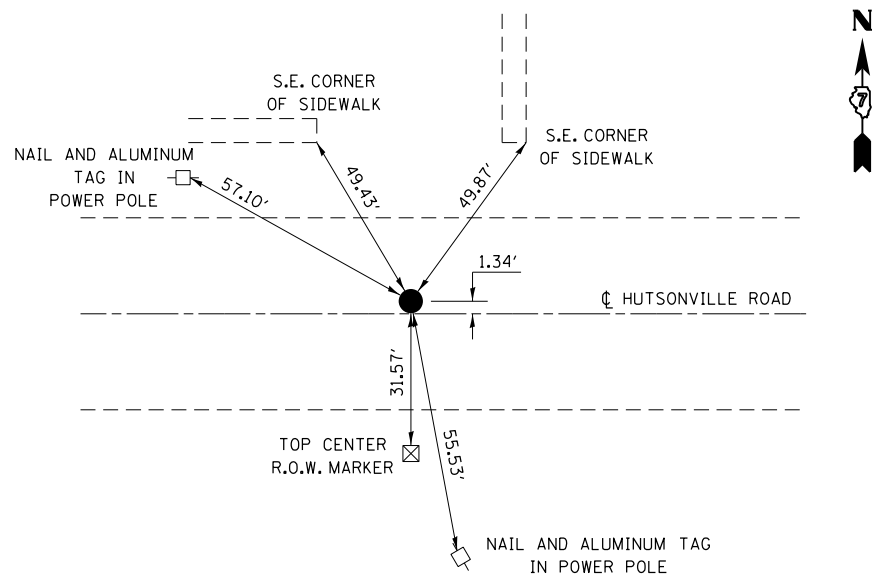
NOTE: NOT DRAWN TO SCALE

**STATION 23+56.87**  
**MAG NAIL 0.3' LT.**  
**N.W. CORNER, S.E. 1/4**



NOTE: NOT DRAWN TO SCALE

**STATION 49+91.38: 1.34' LT.**  
**ALUMINUM VAULT W/IRON ROD (ALUMINUM CAP)**  
**W. 1/4 CORNER, SECT. 29**



NOTE: NOT DRAWN TO SCALE

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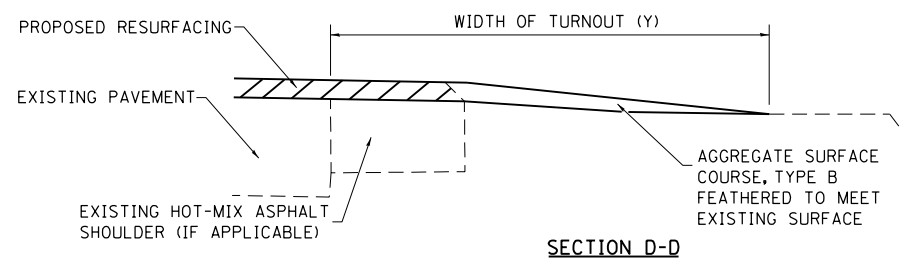
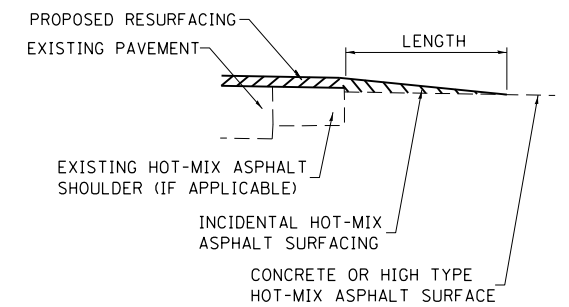
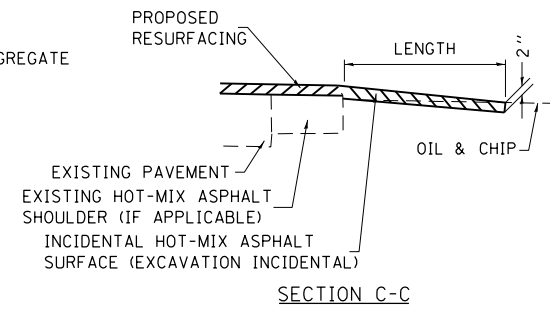
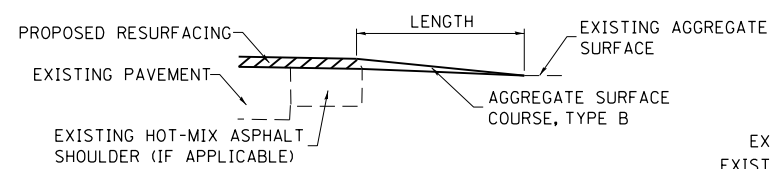
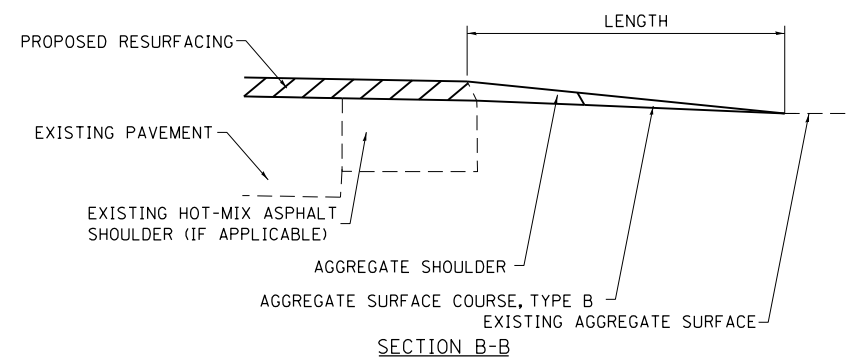
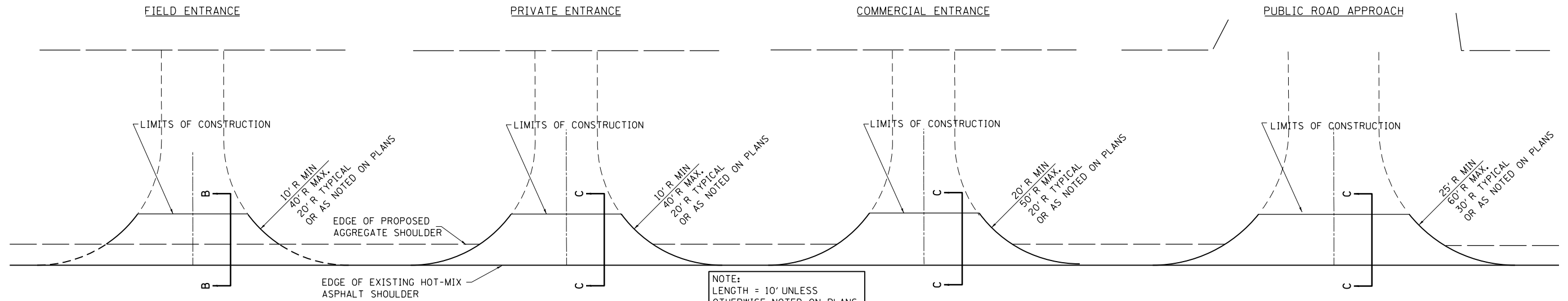
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TIE POINTS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	101 RS-2	CRAWFORD	17	10
CONTRACT NO. 74553				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		





**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	1+46	FE		1.3
LT	11+70	FE		2.0
RT	12+25	FE		2.3
LT	12+26	FE		2.3
LT	23+07	FE		1.9
RT	24+11	FE		2.3
RT	36+63	PRA		3.2
LT	36+66	FE		1.9
RT	37+98	PE	1.2	
LT	38+05	PE		1.9
LT	39+14	CE		3.2
RT	41+32	PE		2.9
LT	42+50	CE		4.9
LT	43+15	CE	2.5	
LT	43+55	PE		2.5
LT	43+90	PE		1.7
RT	46+71	PE		2.3
RT	47+98	PE		2.2
LT	48+05	PE		2.2

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON
LT	48+78	PE		2.3
RT	49+75	PE	2.6	
LT	49+90	PE		2.6
LT	50+71	CE	2	
MAILBOX TURNOUTS				26.0
TOTALS			8	72

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

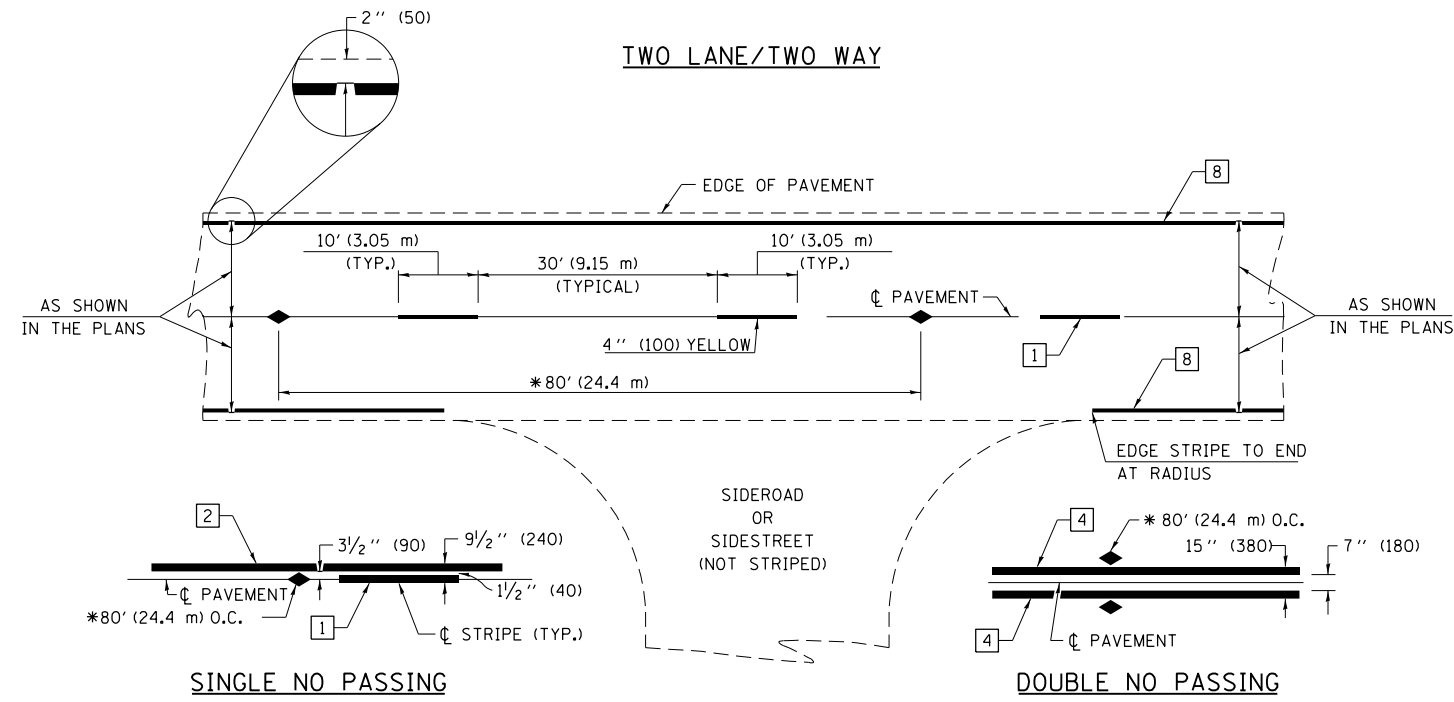
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	PLOT DATE = 1/25/2012	DATE -	REVISED -

**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.

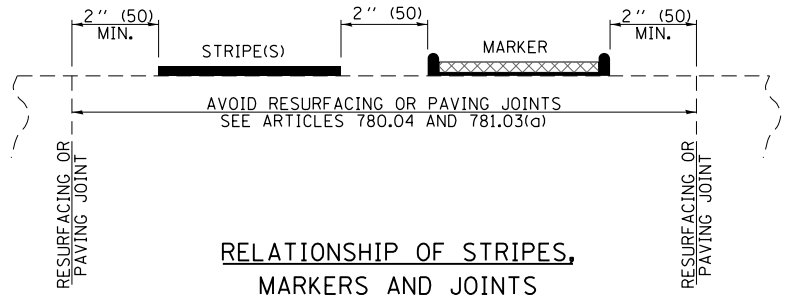
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	101 RS-2	CRAWFORD	17	12
CONTRACT NO. 74553				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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

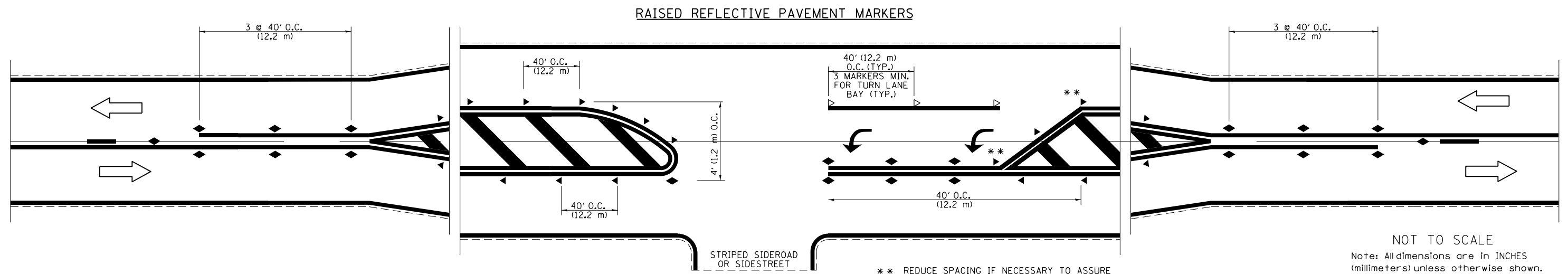
**PAVEMENT MARKING LEGEND**

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



**TYPICAL PAVEMENT MARKERS LEGEND**

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



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

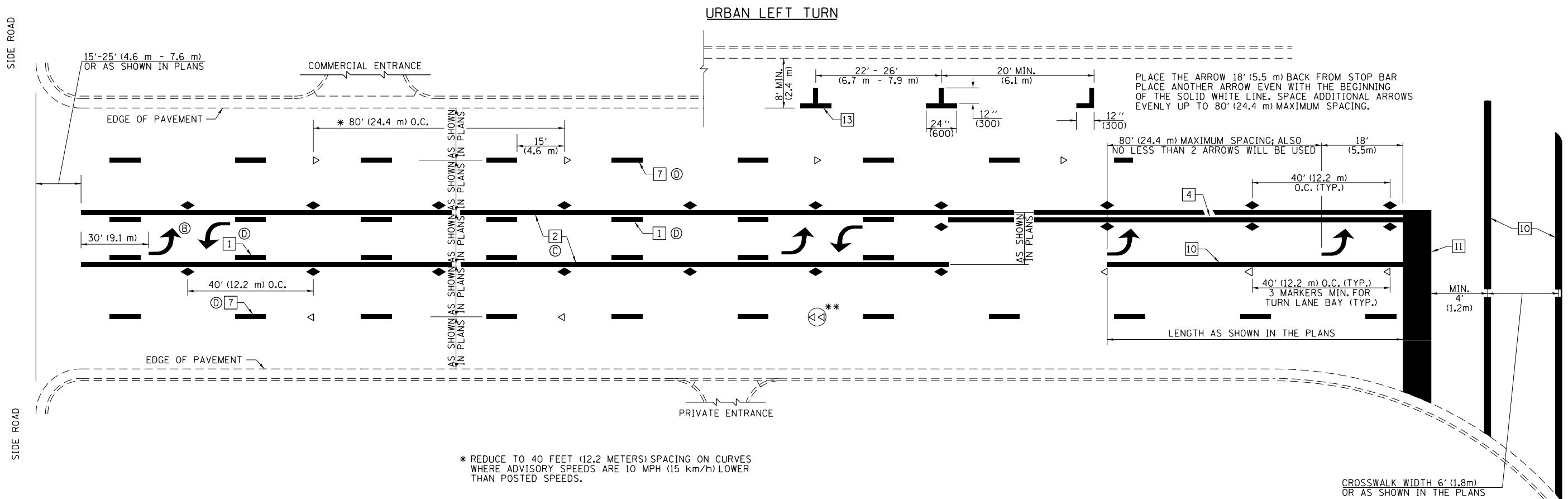
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	PLOT DATE = 1/25/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

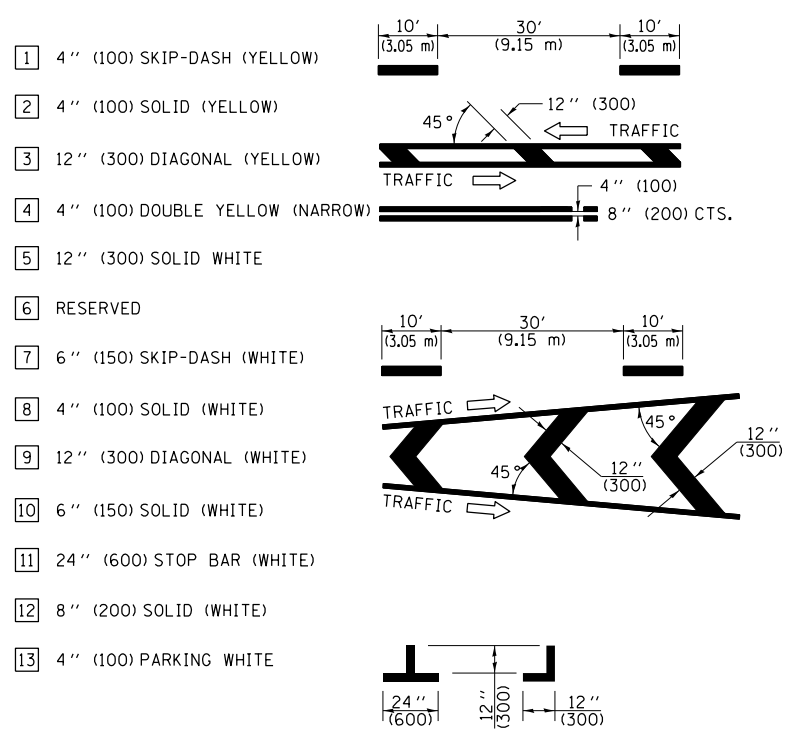
DISTRICT 7 DETAIL NO. 78000001				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	101 RS-2	CRAWFORD	17	13
			CONTRACT NO. 74553	
ILLINOIS FED. AID PROJECT				

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



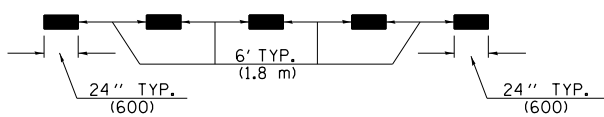
- \* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.
- \*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

**PAVEMENT MARKING LEGEND**

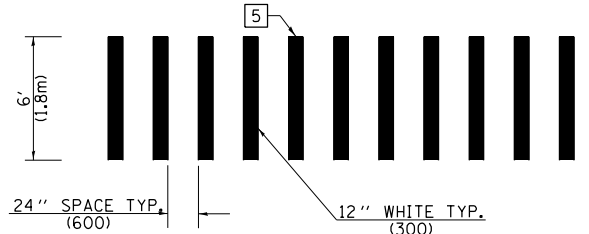


**GENERAL NOTES**

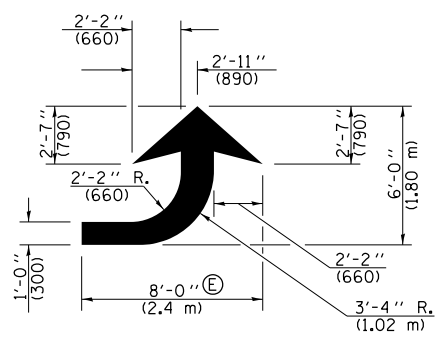
1. TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
3. 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.
4. USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)
5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.



**LANE LINE EXTENSIONS**

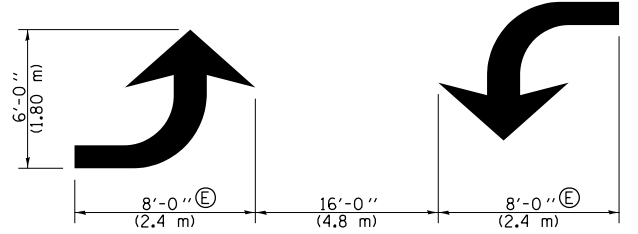


**CROSSWALK DETAIL (DECATUR CITY LIMITS ONLY)**



**LEFT ARROW**

REVERSE FOR RIGHT ARROW  
AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
(WHITE)



**TYPICAL DOUBLE TURN ARROWS (WHITE)**

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

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	PLOT DATE = 1/25/2012	DATE -	REVISED -

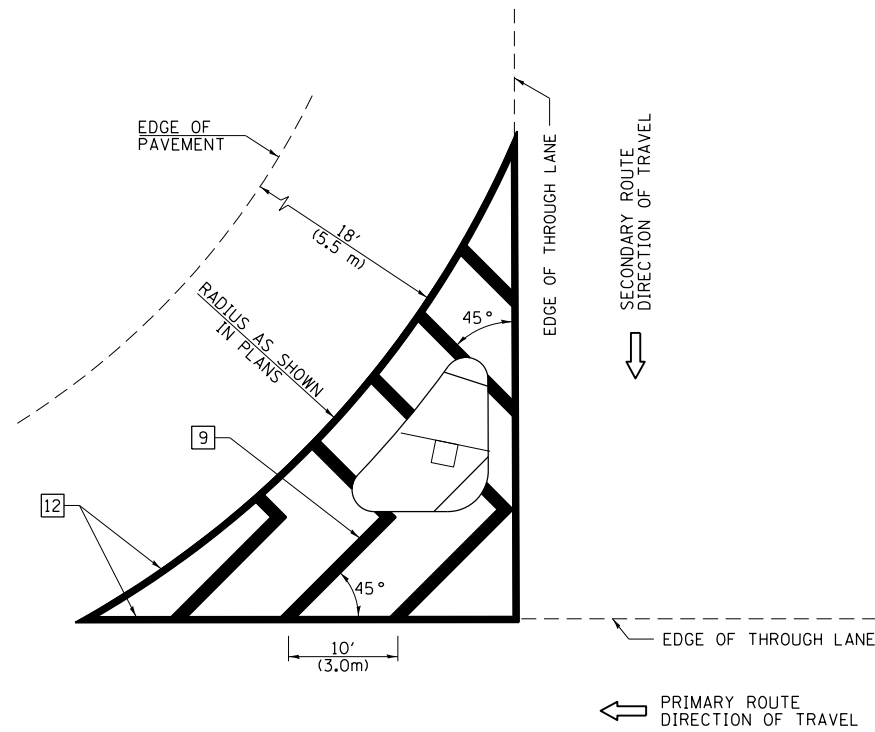
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

<b>DISTRICT 7 DETAIL NO. 7800001</b>				
F.A.P. RTE. 779	SECTION 101 RS-2	COUNTY CRAWFORD	TOTAL SHEETS 17	SHEET NO. 14
			CONTRACT NO. 74553	
ILLINOIS FED. AID PROJECT				

**ISLAND**

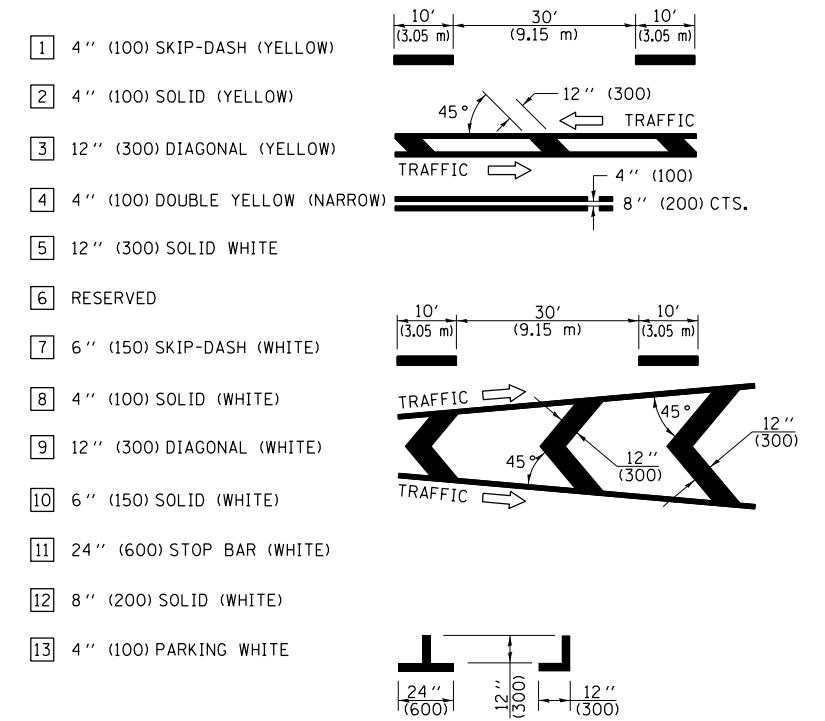


**GENERAL NOTES**

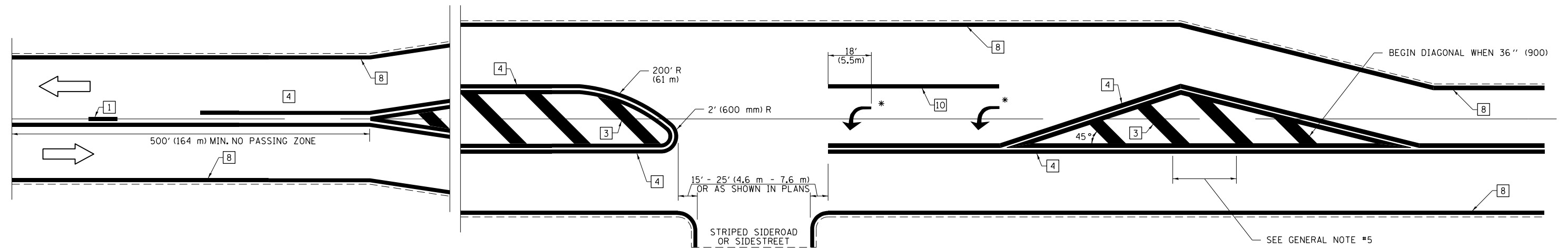
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING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

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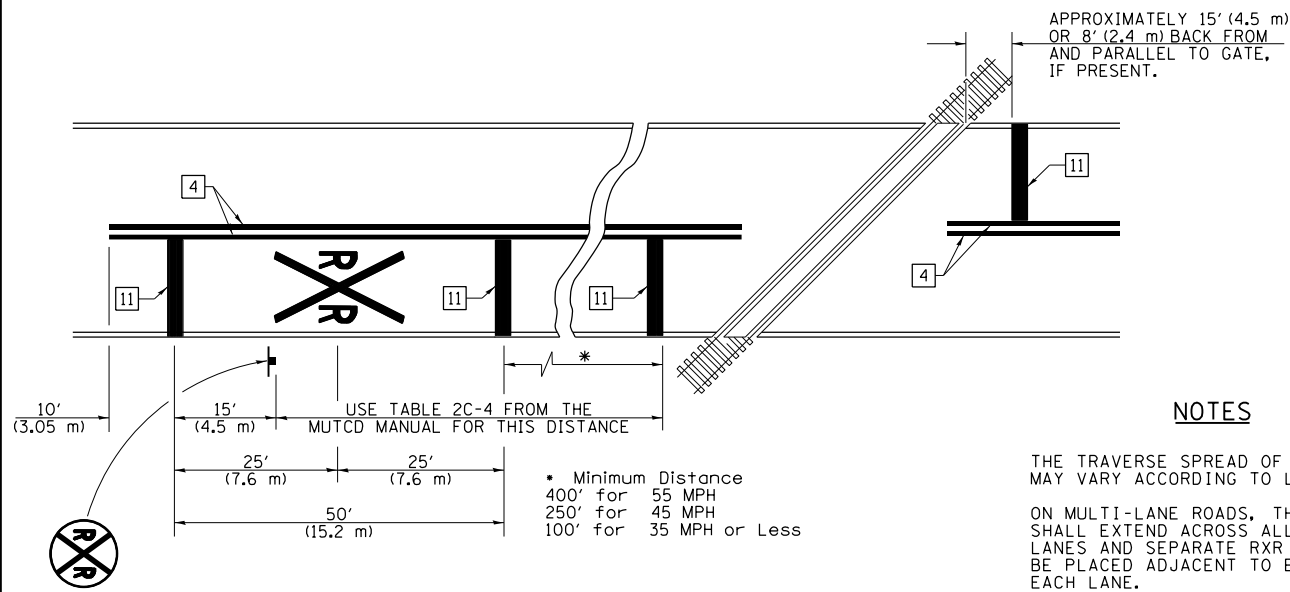
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**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.
779	101 RS-2	CRAWFORD	17	15
CONTRACT NO. 74553				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



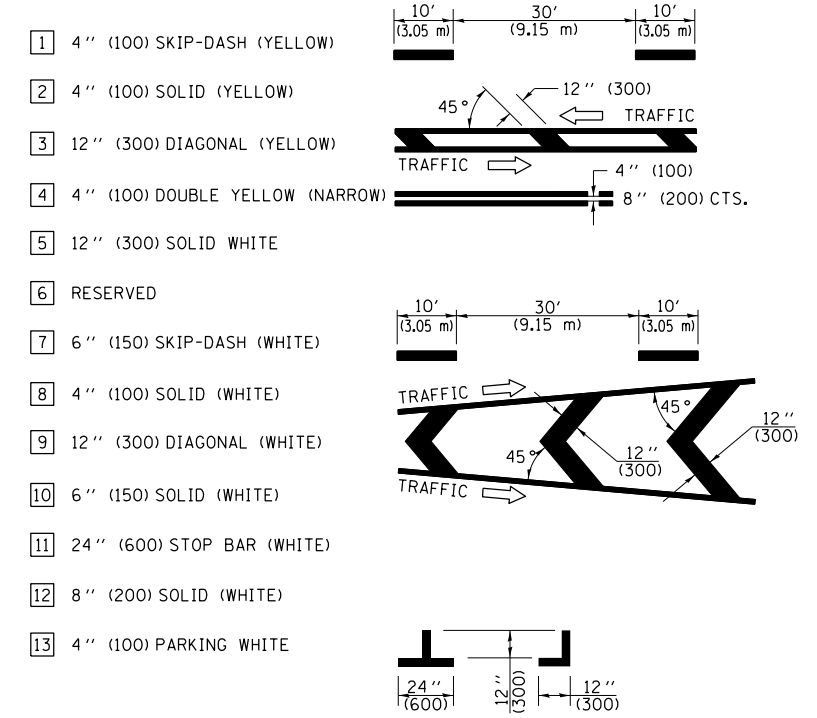
NOTES

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

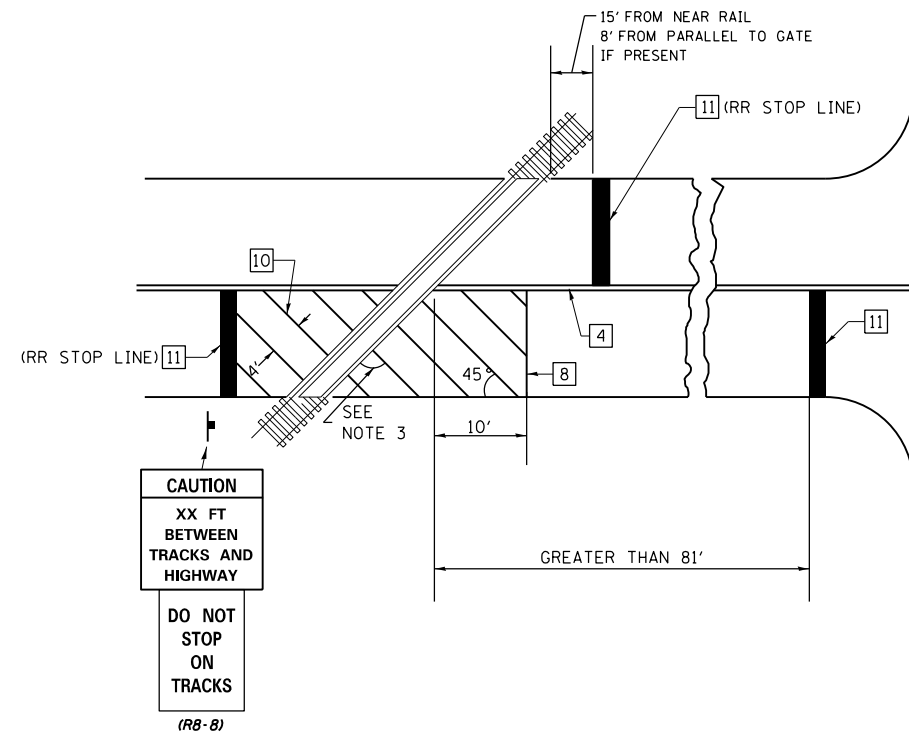
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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.

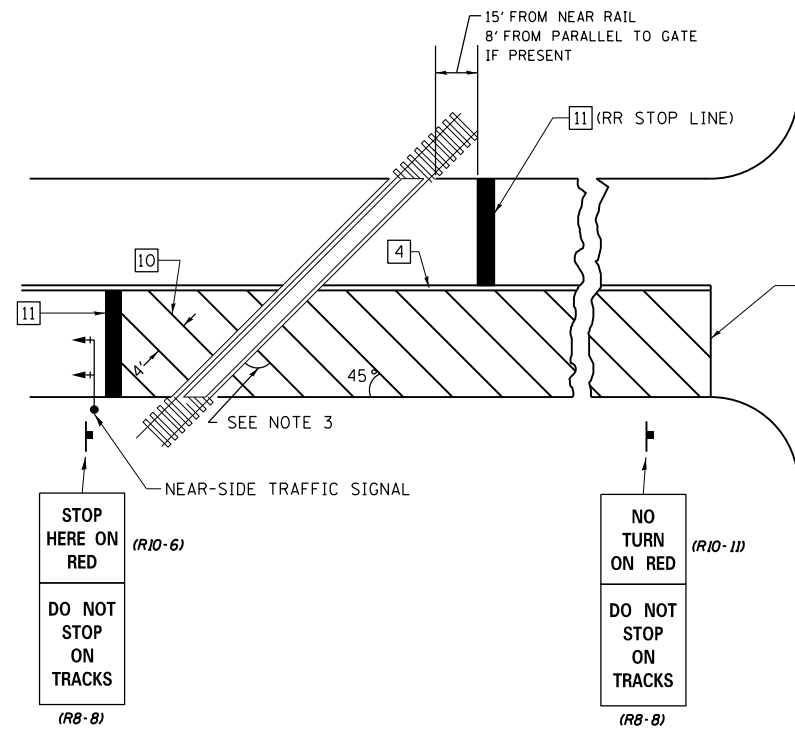
PAVEMENT MARKING LEGEND



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.

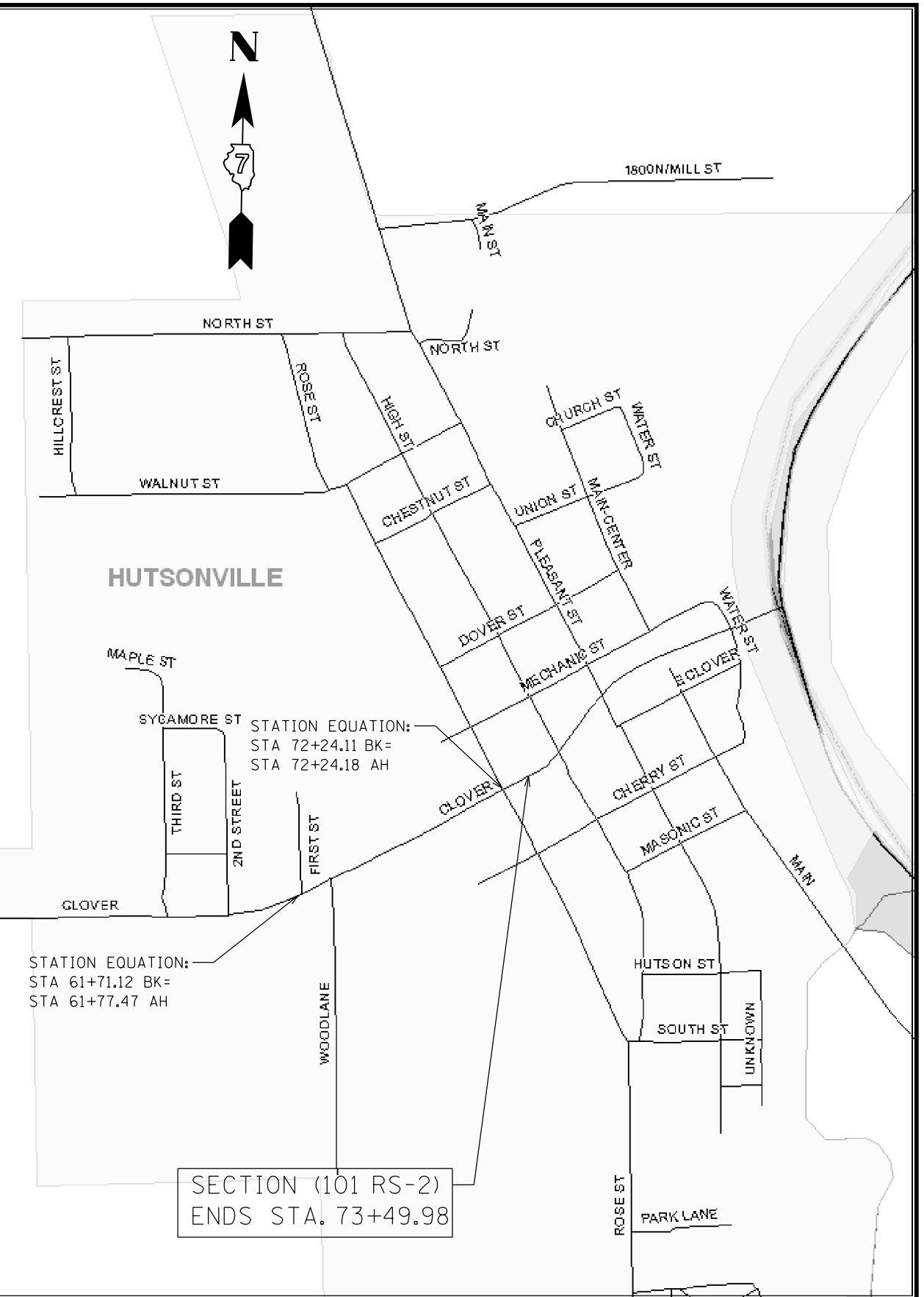
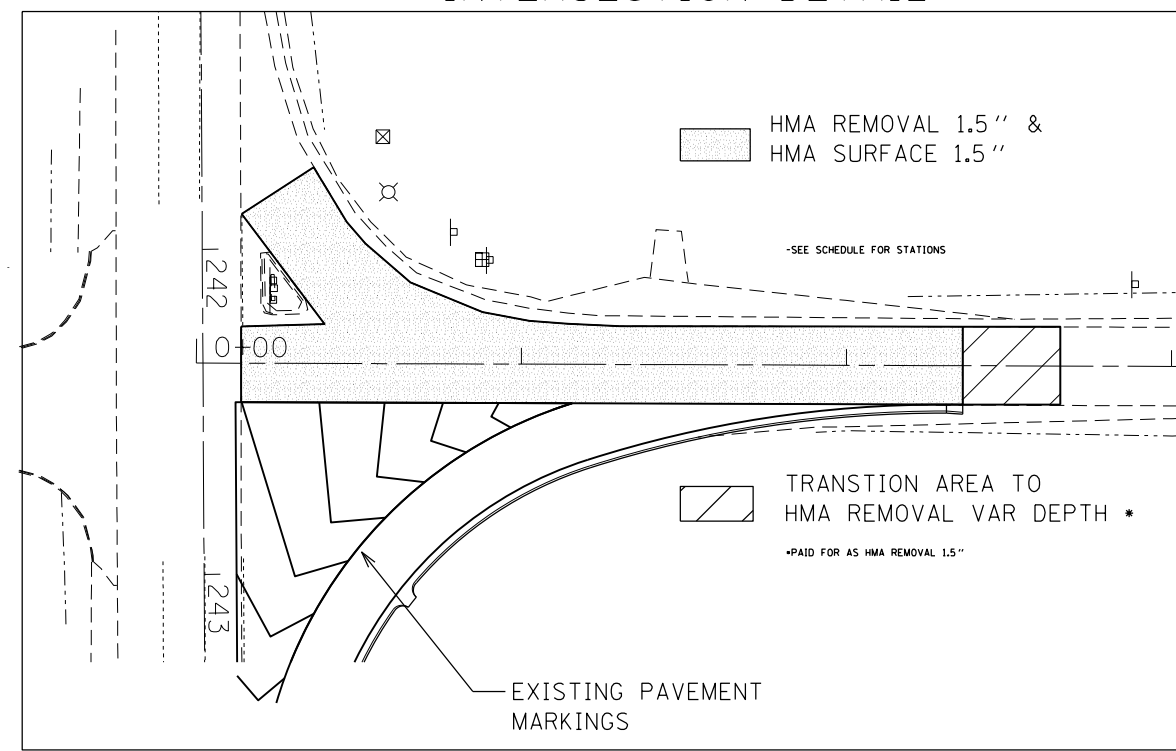
DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 1/25/2012	DATE -	CHECKED -	REVISED -					CONTRACT NO. 74553				
								ILLINOIS FED. AID PROJECT				

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



INTERSECTION DETAIL



1

SEE DETAIL THIS PAGE

SECTION (101 RS-2)  
BEGINS STA. 0+14.00

1475E

STATION EQUATION:  
STA 61+71.12 BK=  
STA 61+77.47 AH

STATION EQUATION:  
STA 72+24.11 BK=  
STA 72+24.18 AH

SECTION (101 RS-2)  
ENDS STA. 73+49.98

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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	PLOT DATE = 1/25/2012	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LOCATION MAP AND  
INTERSECTION DETAIL

SCALE: NA SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	101 RS-2	Crawford	17	17
CONTRACT NO. 74553			ILLINOIS FED. AID PROJECT	