

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

S.B.I. ROUTE 11A E. ARCHER (OLD U.S. 40)
SECTION D7 HMA RESURF 2011-1

RESURFACING INTERMITTANT
CLARK COUNTY

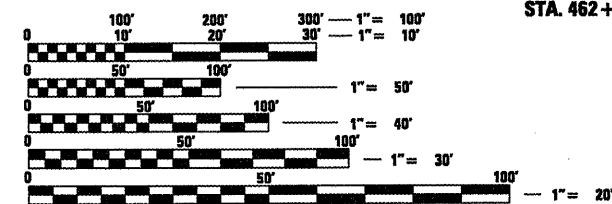
C-97-139-10

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT = WEST SECTION (1750)
EAST SECTION (3300)

S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11A	D7 HMA RESURF 2011-1	CLARK	13	1
ILLINOIS			CONTRACT NO. 74488	

D-97-071-10

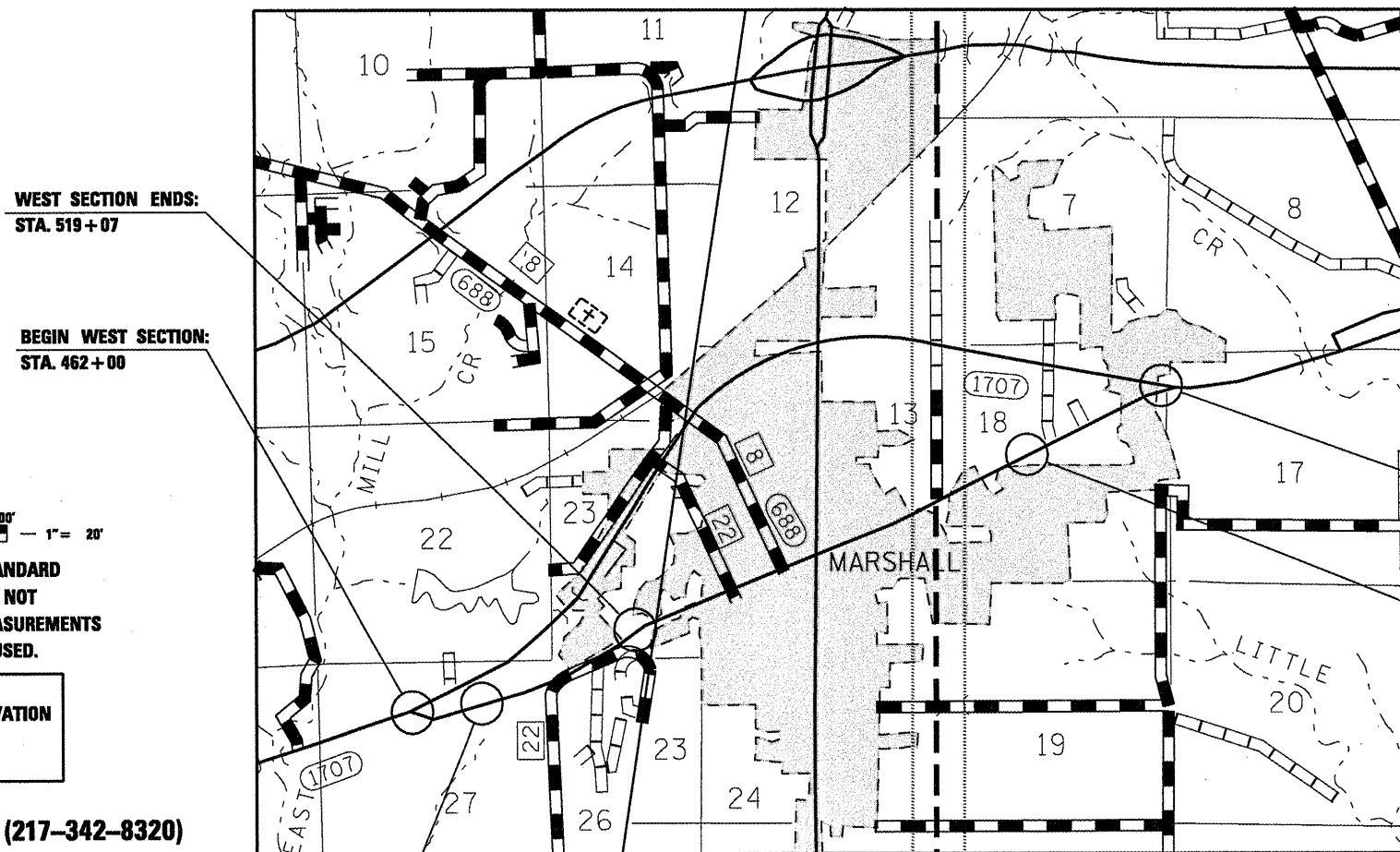


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: TOM RONAN (217-342-8320)
PROJECT MANAGER: JEFF DAVISON (217-342-8314)

CONTRACT NO. 74488



WEST SECTION ENDS:
STA. 519+07

BEGIN WEST SECTION:
STA. 462+00

EAST SECTION ENDS:
STA. 619+49

BEGIN EAST SECTION:
STA. 575+00

PAVING OMISSION:
STA. 486+09 TO STA. 486+45

GROSS LENGTH = 15,749.00 FT. = 2.98 MILE
NET LENGTH = 10,120.00 FT. = 1.92 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *Feb 17 2011*
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13 2011
Scott E. Stitt P.E. Jr.
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 13 2011
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

GENERAL NOTES

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

THIS PROJECT IS LOCATED ON SBI ROUTE 11A (OLD US 40) IN CLARK COUNTY, FROM US ROUTE 40 EAST TO THE WEST CORPORATE LIMITS OF MARSHALL AND FROM THE EAST CORPORATE LIMITS OF MARSHALL EAST TO US ROUTE 40. THE WORK INCLUDED IN SECTION D7 HMA RESURF 2011-1 CONSISTS OF PAVEMENT PATCHING, MILLING, HOT-MIX ASPHALT RESURFACING, HMA AND 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), 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 SURFACE.

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.

A HISTORIC STONE MASONRY ARCH STRUCTURE LOCATED APPROXIMATELY 0.1 MILES WEST OF MARSHALL. DURING RESURFACING OPERATIONS WITHIN 150 FEET OF THIS STRUCTURE ALL ROLLERS SHALL BE OPERATED IN STATIC MODE TO PREVENT DAMAGING THE HISTORIC STRUCTURE. ALL DENSITY REQUIREMENTS MUST STILL BE MET.

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

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.

GENERAL NOTES (Cont' d)

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE: LEVEL BINDER
 APPLICATION: LEVELING BINDER (MACHINE METHOD) N70
 PG GRADE: PG 64-22
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 70
 MIXTURE COMPOSITION: IL-9.5
 FRICTION AGGREGATE: NA

MIXTURE USE: SURFACE COURSE
 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

MIXTURE USE: INCIDENTAL
 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

MIXTURE USE: 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: NA

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

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-5	TYPICAL SECTIONS
6-8	SCHEDULE OF QUANTITIES
9	TIE POINTS
10-13	PAVEMENT MARKING DETAIL

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 13:

STD. NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
667101-01	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 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"
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"
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND INDEX OF SHEETS	S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pw\work\p\dot\swartzw\d0211302\d77488-shr-index.dgn		DRAWN -	REVISED -			11A	D7 HMA RESURF 2011-1	CLARK	13	2	
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 74488					
PLOT DATE = 2/14/2011		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		100% STATE 0005
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	65	65
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2482	2482
40600300	AGGREGATE (PRIME COAT)	TON	50	50
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	1028	1028
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	513	513
40600990	TEMPORARY RAMP	SQ YD	78	78
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	2085	2085
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	74	74
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	20	20
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	246	246
48101200	AGGREGATE SHOULDERS, TYPE B	TON	689	689
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	4	4
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	2	2
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4062	4062
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	27325	27325
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	9446	9446
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	27325	27325
X0556100	PARTIAL DEPTH PATCHING (SPECIAL)	SQ YD	883	883
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	24224	24224
Z0004810	HOT-MIX ASPHALT FOR PATCHING	TON	297	297

* SPECIALTY ITEM

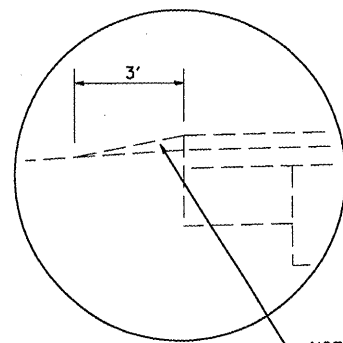
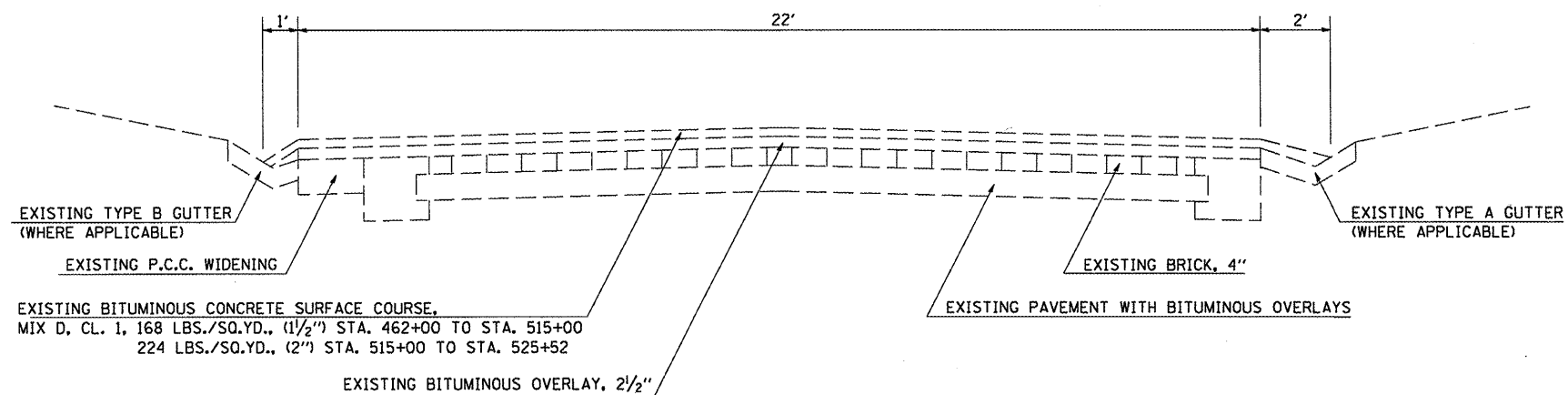
FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cr\pwork\pwork\swartzrw\d0211302\d774488-shl-soq.dgn		DRAWN -	REVISED -		SCALE: NA	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	11A	D7 HMA RESURF 2011-1	CLARK	13	3
		CHECKED -	REVISED -						CONTRACT NO. 74488				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

EXISTING TYPICAL CROSS SECTIONS

S.B.I. 11 (OLD RTE. 40)

CLARK COUNTY

STATION 462+00 TO STATION 519+07



NOTE: AT LOCATIONS WHERE THERE IS NO EXISTING GUTTER, A 3' WEDGE OF AGGREGATE SHOULDER, TYPE B WAS CONSTRUCTED.

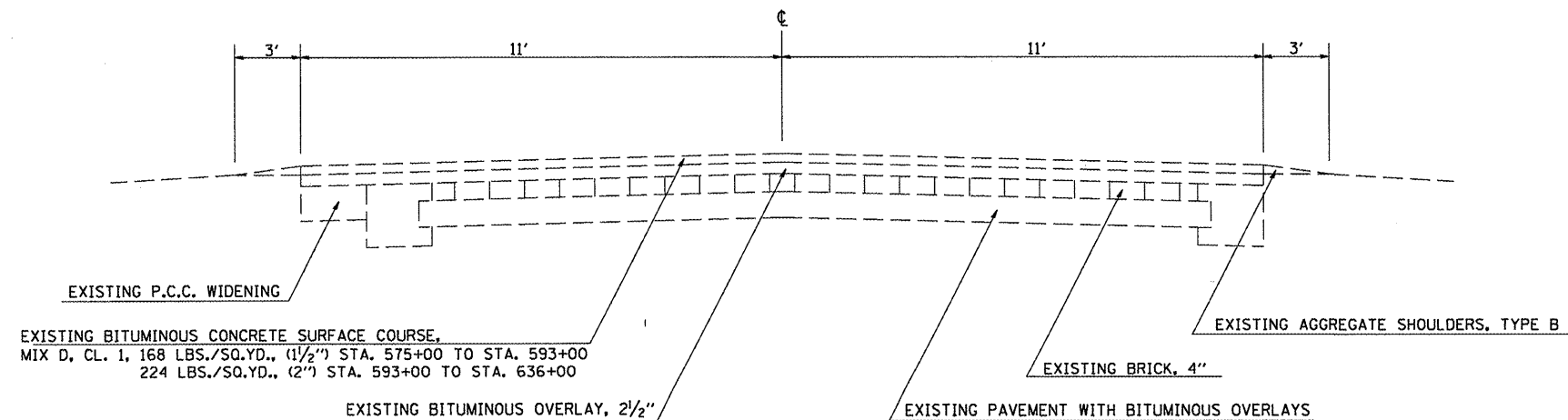
NOTE: NOT DRAWN TO SPECIFIC SCALE

EXISTING TYPICAL CROSS SECTIONS

S.B.I. 11 (OLD RTE. 40)

CLARK COUNTY

STATION 575+00 TO STATION 619+49



NOTE: NOT DRAWN TO SPECIFIC SCALE

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL CROSS SECTIONS

S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11A	D7 HMA RESURF 2011-1	CLARK	13	4
CONTRACT NO. 74488				
ILLINOIS FED. AID PROJECT				

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

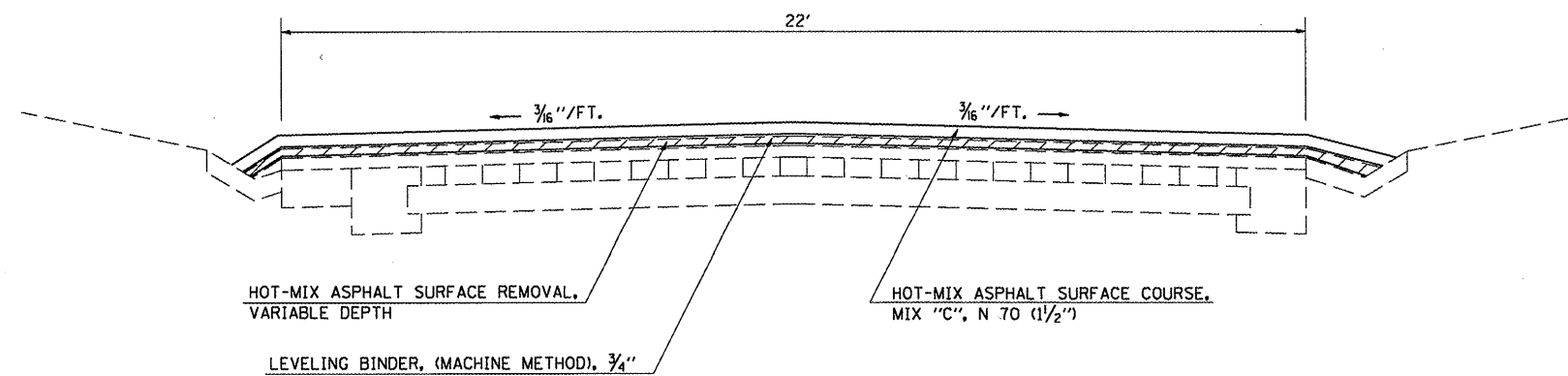
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PROPOSED TYPICAL CROSS SECTIONS

S.B.I. 11 (OLD RTE. 40)

CLARK COUNTY

STATION 462+00 TO STATION 519+07



 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

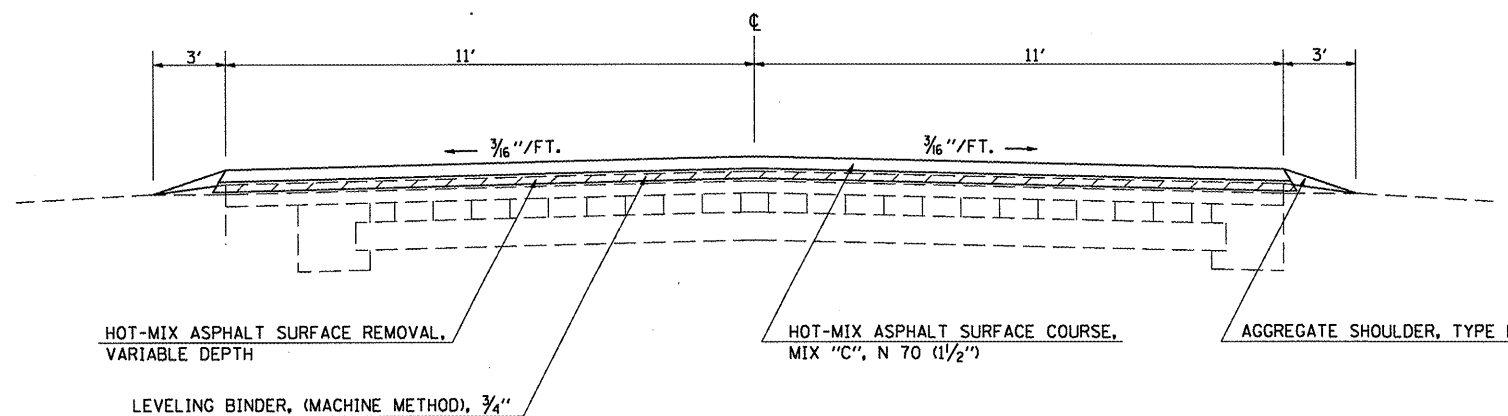
NOTE: NOT DRAWN TO SPECIFIC SCALE

PROPOSED TYPICAL CROSS SECTIONS

S.B.I. 11 (OLD RTE. 40)

CLARK COUNTY

STATION 575+00 TO STATION 619+49



 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

NOTE: NOT DRAWN TO SPECIFIC SCALE

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL CROSS SECTIONS

FILE NAME =
c:\pw_work\pwidot\swartzr\0211382\d774\88-sht-typicals.dgn

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PLOT SCALE = 48.0000 ' / IN.
PLOT DATE = 2/14/2011

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

SCALE: NA

SHEET NO. 2 OF 2 SHEETS

S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11A	D7 HMA RESURF 2011-1	CLARK	13	5
CONTRACT NO. 74488				
ILLINOIS FED. AID PROJECT				

PAVING SCHEDULE			LENGTH	AVERAGE PAVEMENT WIDTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	LEVELING BINDER (MACHINE METHOD), N70	AGGREGATE SHOULDERS, TYPE B	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	INCIDENTAL HOT-MIX ASPHALT SURFACING
LOCATION														
STATION	TO	STATION	FOOT	FOOT	SQ FT	SQ YD	GALLON	TON	TON	TON	TON	SQ YD	SQ YD	
462+00.00	TO	462+35.00	35.0	22.0	85.6	0.0	8.6	0.2	7.2	1.8	1.3	85.6	12.2	
462+35.00	TO	485+74.00	2339.0	22.0	5717.6	5717.6	571.8	11.4	480.3	240.1	173.6	0.0	0.0	
485+74.00	TO	486+09.00	35.0	22.0	85.6	0.0	8.6	0.2	7.2	1.8	2.7	85.6	12.2	
486+09.00	TO	486+45.00	36.0	22.0	88.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	
486+45.00	TO	486+80.00	35.0	22.0	85.6	0.0	8.6	0.2	7.2	1.8	2.7	85.6	12.2	
486+80.00	TO	518+72.00	3192.0	22.0	7802.7	7802.7	780.3	15.6	655.4	327.7	200.5	0.0	0.0	
518+72.00	TO	519+07.00	35.0	22.0	85.6	0.0	8.6	0.2	7.2	1.8	1.3	85.6	12.2	
519+07.00	TO	575+00.00	NA	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
575+00.00	TO	575+35.00	35.0	22.0	85.6	0.0	8.6	0.2	7.2	1.8	1.3	85.6	12.2	
575+35.00	TO	618+30.00	4295.0	22.0	10498.9	10498.9	1049.9	21.0	881.9	441.0	298.8	0.0	0.0	
618+30.00	TO	618+92.00	62.0	22.0	151.6	151.6	17.9	0.4	15.0	6.4	2.4	0.0	0.0	
618+92.00	TO	619+14.00	22.0	22.0	53.8	53.8	7.3	0.1	6.2	2.3	0.0	0.0	0.0	
619+14.00	TO	619+49.00	35.0	22.0	85.6	0.0	11.7	0.2	9.8	1.8	1.3	85.6	16.7	
TOTALS			10156.0		24826.0	24224.0	2482.0	50.0	2085.0	1028.0	689.0	513.0	78.0	

SEE ENTRANCE SCHEDULE

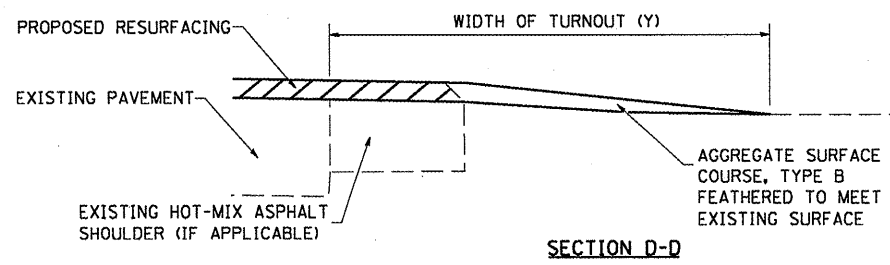
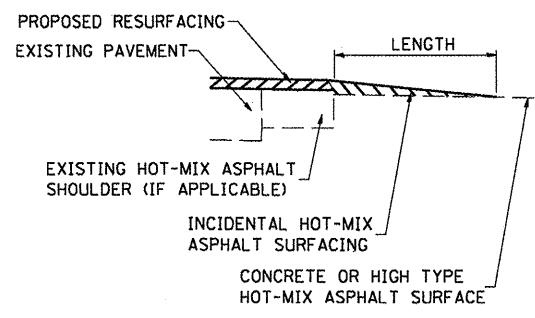
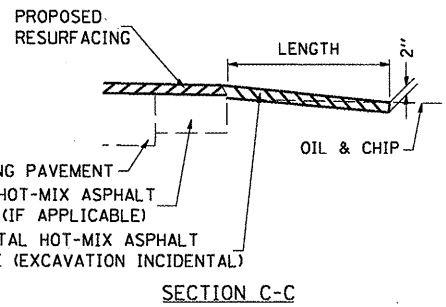
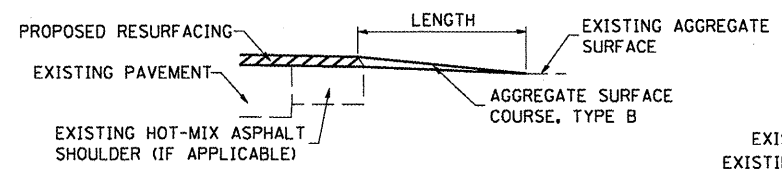
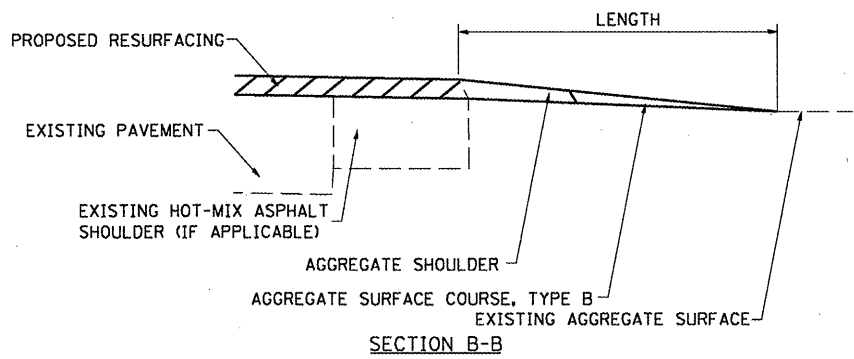
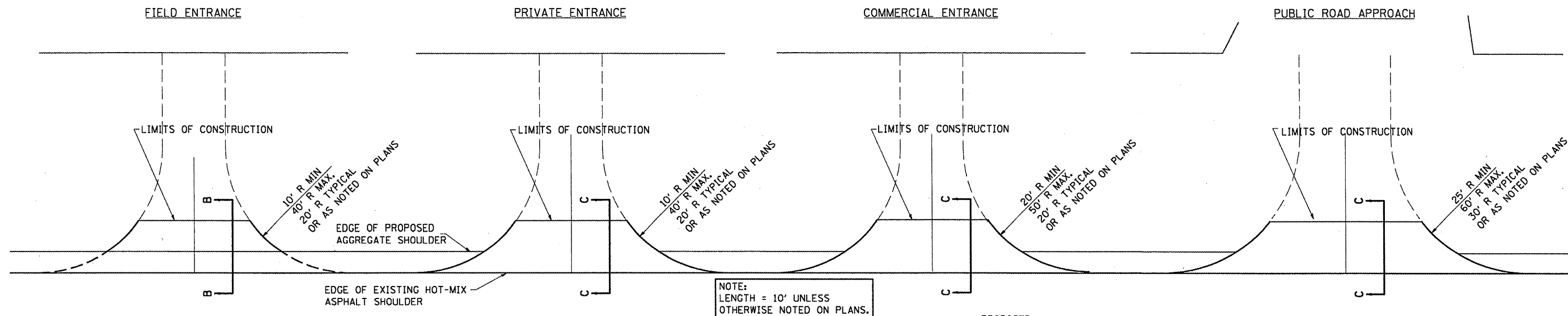
PAVEMENT MARKING SCHEDULE				SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING-LINE 4" (YELLOW)	TEMPORARY PAVEMENT MARKING-LINE 4" (WHITE)	WORK ZONE PAVEMENT MARKING REMOVAL	PAINT PAVEMENT MARKING-LINE 4" (YELLOW)	PAINT PAVEMENT MARKING-LINE 4" (WHITE)
LOCATION			LENGTH	FOOT	FOOT	FOOT	SO FT	FOOT	FOOT
STATION	TO	STATION	FOOT	FOOT	FOOT	FOOT	SO FT	FOOT	FOOT
OLD US 40									
462+00.00	TO	486+17.00	2,417.0	966.8	604.3	4,730.0	1,858.5	604.3	4,730.0
486+17.00	TO	497+44.00	1,127.0	450.8	1,521.5	2,184.0	1,272.6	1,521.5	2,184.0
497+44.00	TO	514+35.00	1,691.0	676.4	3,382.0	3,175.0	2,241.8	3,382.0	3,175.0
514+35.00	TO	519+07.00	472.0	188.8	637.2	944.0	542.7	637.2	944.0
519+07.00	TO	575+00.00	5,593.0	0.0	0.0	0.0	0.0	0.0	0.0
575+00.00	TO	616+56.00	4,156.0	1,662.4	1,039.0	8,017.0	3,156.9	1,039.0	8,017.0
616+56.00	TO	619+49.00	293.0	117.2	586.0	505.0	373.4	586.0	505.0
SHEET TOTALS			15,749	4,063	7,770	19,555	9,446	7,770	19,555

PATCHING SCHEDULE

CLASS D PATCHES, TYPE 1, 12"	CLASS D PATCHES, TYPE 11, 12"	PARTIAL DEPTH PATCHING (SPECIAL)	HOT-MIX ASPHALT FOR PATCHING
20 SQ. YD.	246 SQ. YD.	883 SQ. YD.	297 TON

PERMANENT SURVEY MARKERS, TYPE I SCHEDULE

LOCATION	O/S	QUANTITY
		EACH
490+70.09	0.00	1.0
506+58.28	0.00	1.0
507+33.28	0.00	1.0
514+05.28	0.00	1.0
TOTAL		4.0



TYPICAL SECTION AT MAILBOX TURNOUT

NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

NOTES

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

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

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

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

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON
RT	463+38	PRA	5.4	
LT	468+03	PE		1.5
LT	468+90	PE		0.9
RT	469+35	PE		2.2
LT	469+38	PE		1.2
LT	471+77	CE		1.9
RT	472+34	FE		2
LT	472+89	PE		1.6
LT	473+61	PE		2.6
RT	475+58	FE		1.9
LT	477+74	FE		2.2
LT	479+24	PE		1.6
RT	480+55	PE		2.1
LT	481+31	PE		1.6
LT	484+06	PE		1
LT	485+34	PE		1.6
LT	487+51	PE		1.9
RT	492+57	PRA	4.2	
LT	494+50	CE	6.7	
LT	496+51	CE	10.1	
LT	497+21	CE		
LT	501+88	PRA	3.9	
RT	503+22	PRA	4.7	
RT	509+38	PRA	3	
LT	514+94	PE		2.5
RT	519+59	PE		

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON
RT	575+57	PE		1.7
RT	577+85	PE		1.7
LT	577+99	PE	1.7	
LT	581+86	PE		2.2
RT	585+77	FE		1.6
RT	586+52	PE	1.9	
RT	588+20	PE	2	
RT	589+44	PE	1.9	
RT	590+59	PE		1.6
LT	591+79	PRA	2.6	
RT	592+75	PE		
RT	595+18	PE	2.8	
RT	597+02	PE	1.9	
LT	598+54	PE		2.1
RT	598+86	PE	2.3	
RT	600+23	PE	2	
LT	600+27	PRA	2	
RT	602+40	PE		1.9
LT	602+68	FE		1.9
LT	604+38	PE		1.8
RT	604+84	PRA	4.5	
LT	605+75	PE		1.6
RT	605+92	PE		1.7
LT	607+51	PE		3.1
LT	611+48	CE	3.7	
RT	611+75	PRA		6.6

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON
RT	617+30	PE		3.3
RT	618+15	PRA	5.2	
TOTALS			74.0	65.0

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

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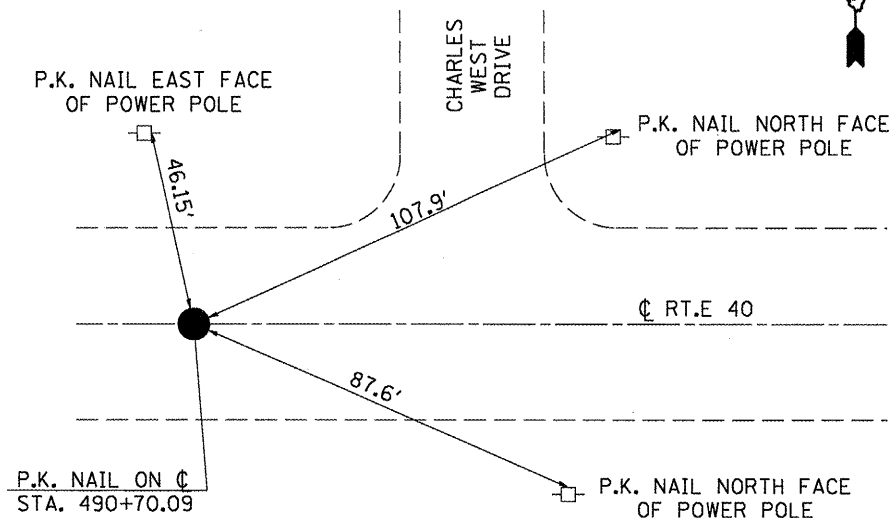
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

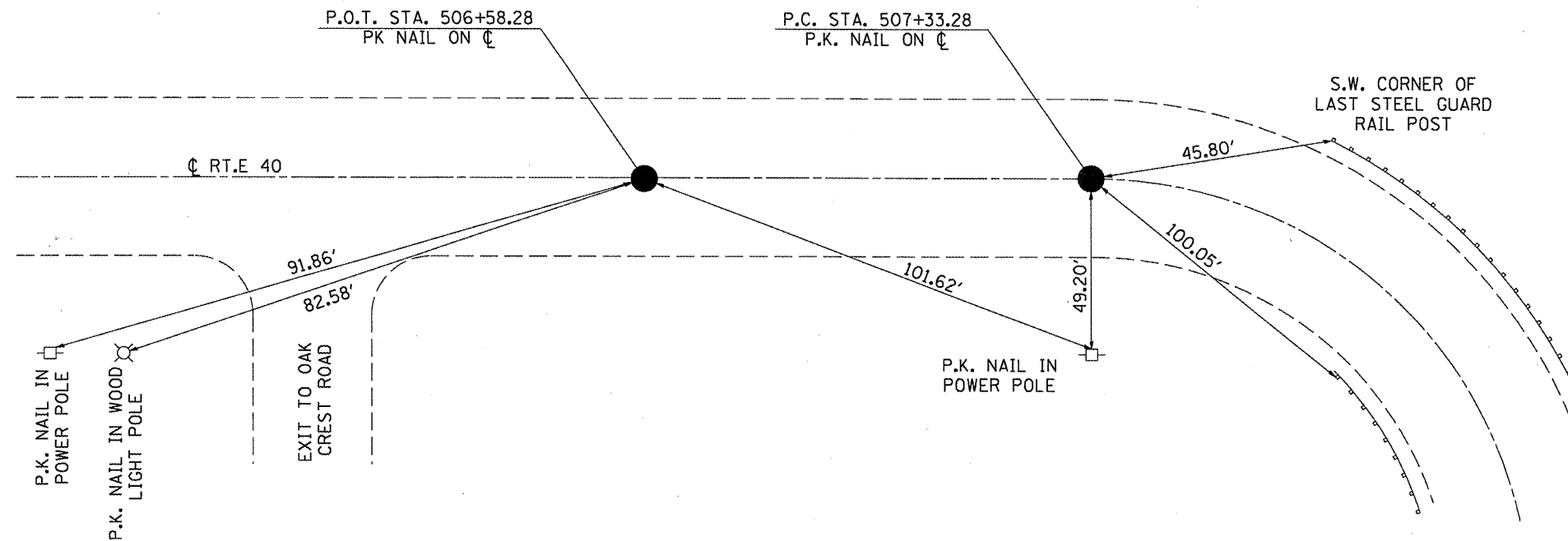
S.B.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11A	07 HMA RESURF 2011-1	CLARK	13	8
CONTRACT NO. 74488				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

☉ P.O.T. #38
STA. 490+70.09



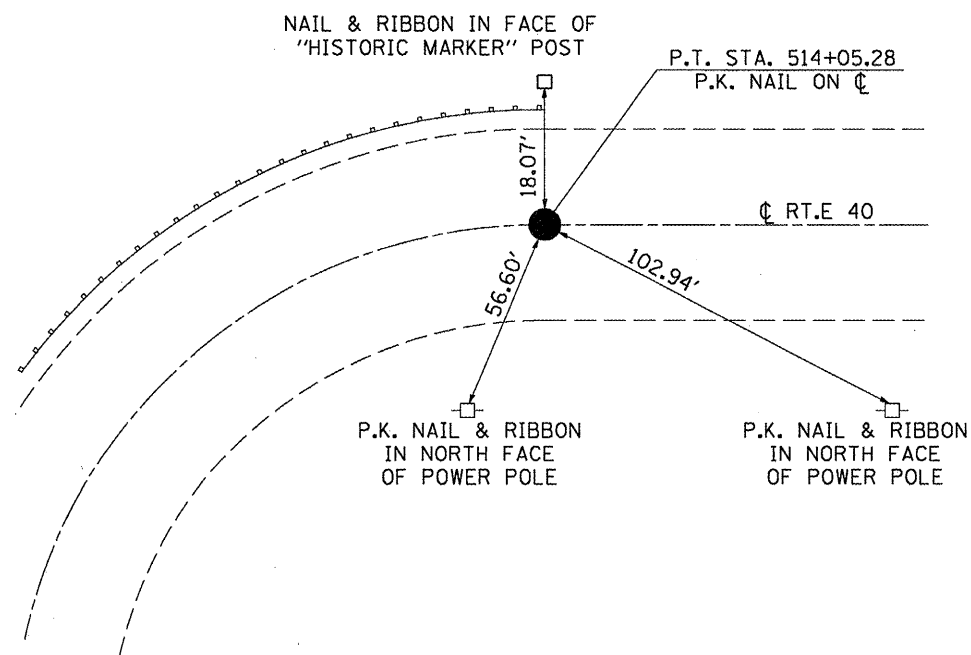
NOTE: NOT DRAWN TO SCALE

☉ CONTROL TIES
STA. 506+58.28 &
STA. 507+33.28



NOTE: NOT DRAWN TO SCALE

☉ CONTROL TIES
STA. 514+05.28



NOTE: NOT DRAWN TO SCALE

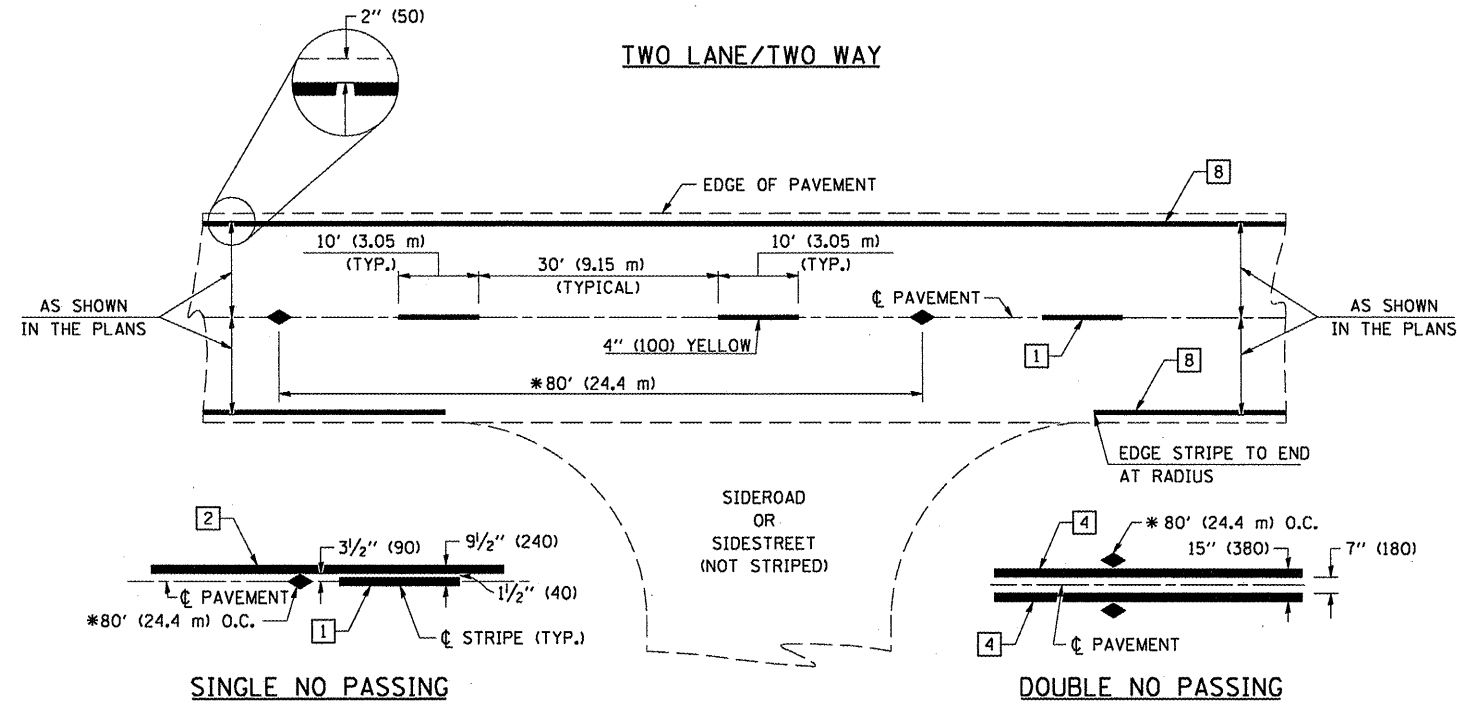
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TIE POINTS

SCALE: 20 SHEET NO. 1 OF 1 SHEETS STA. TO STA.

S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11A	D7 HMA RESURF 2011-1	CLARK	13	9
CONTRACT NO. 74488				
ILLINOIS FED. AID PROJECT				

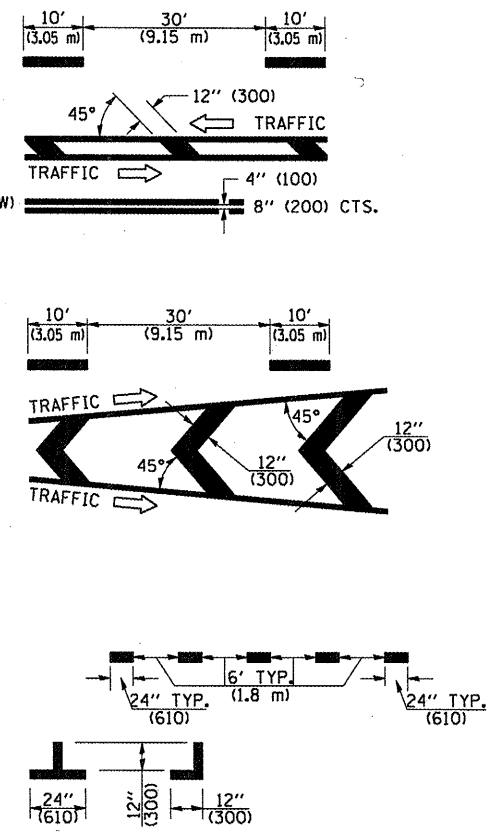
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	PLOT SCALE = 48.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/14/2011	DATE -	REVISED -



* 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

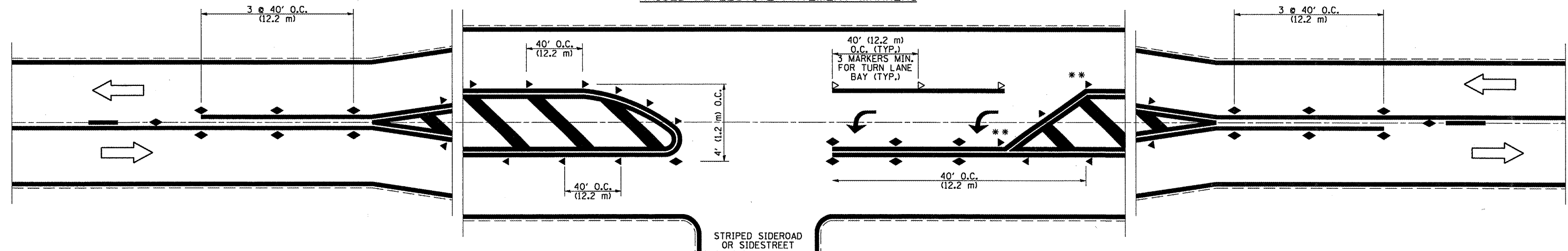
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 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				
S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11A	D7 HMA RESURF 2011-1	CLARK	13	10
CONTRACT NO. 74488			ILLINOIS FED. AID PROJECT	

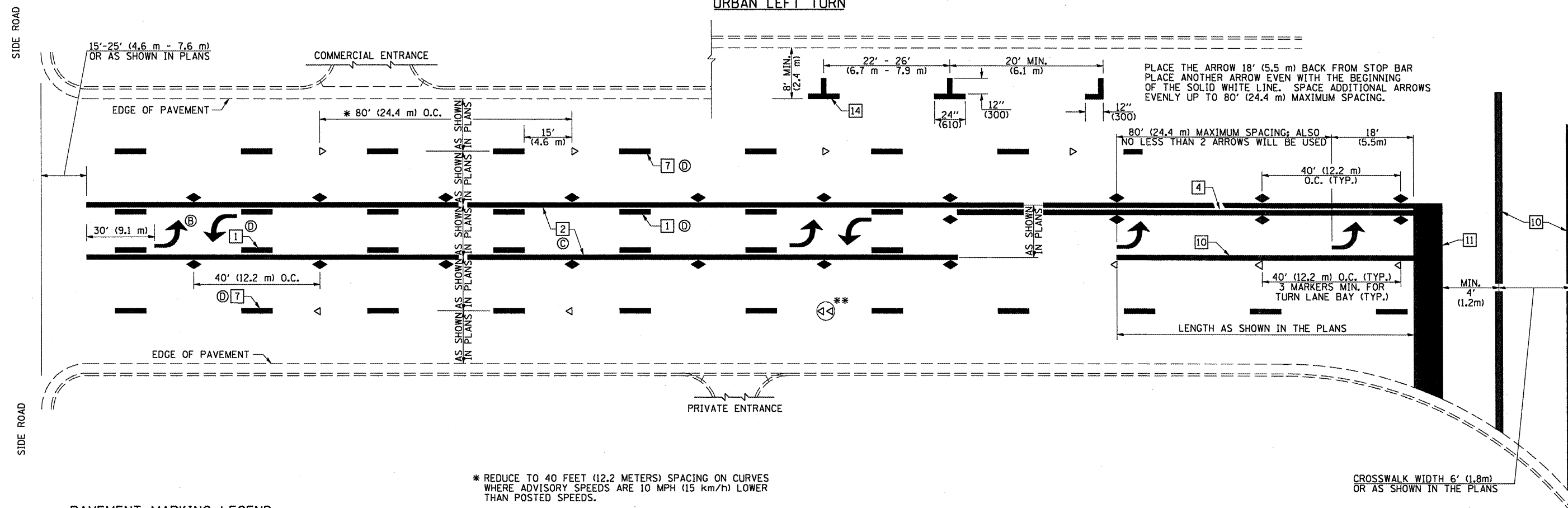
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

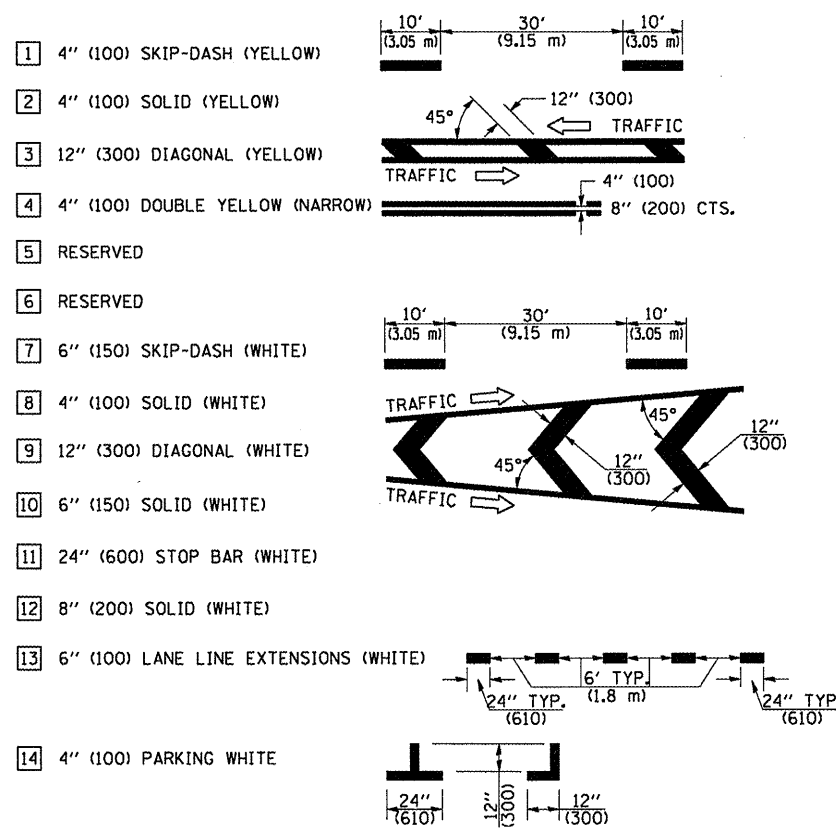
**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
 (RURAL & URBAN APPLICATIONS)**

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

URBAN LEFT TURN



PAVEMENT MARKING LEGEND

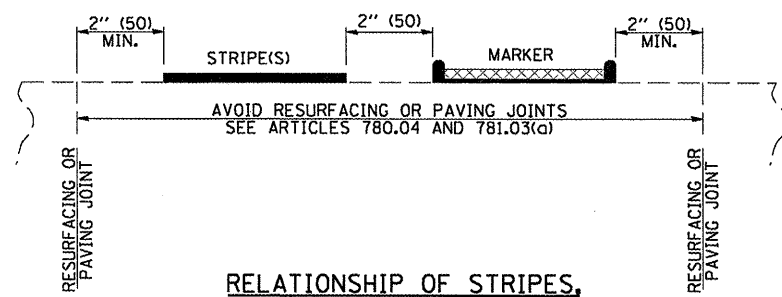


* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

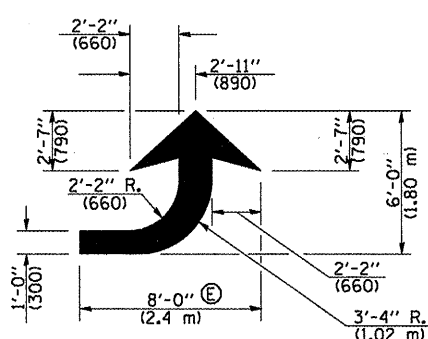
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

GENERAL NOTES

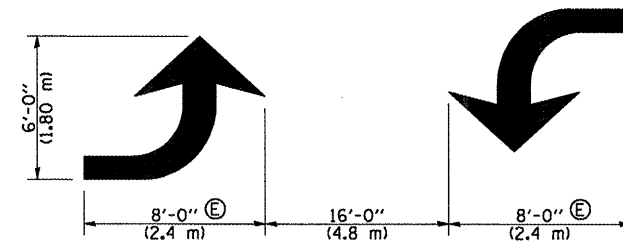
- ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
- ⓒ THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- ⓓ THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
- ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780X FOR SYMBOLS TABLE)



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



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



TYPICAL DOUBLE
TURN ARROWS (WHITE)

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

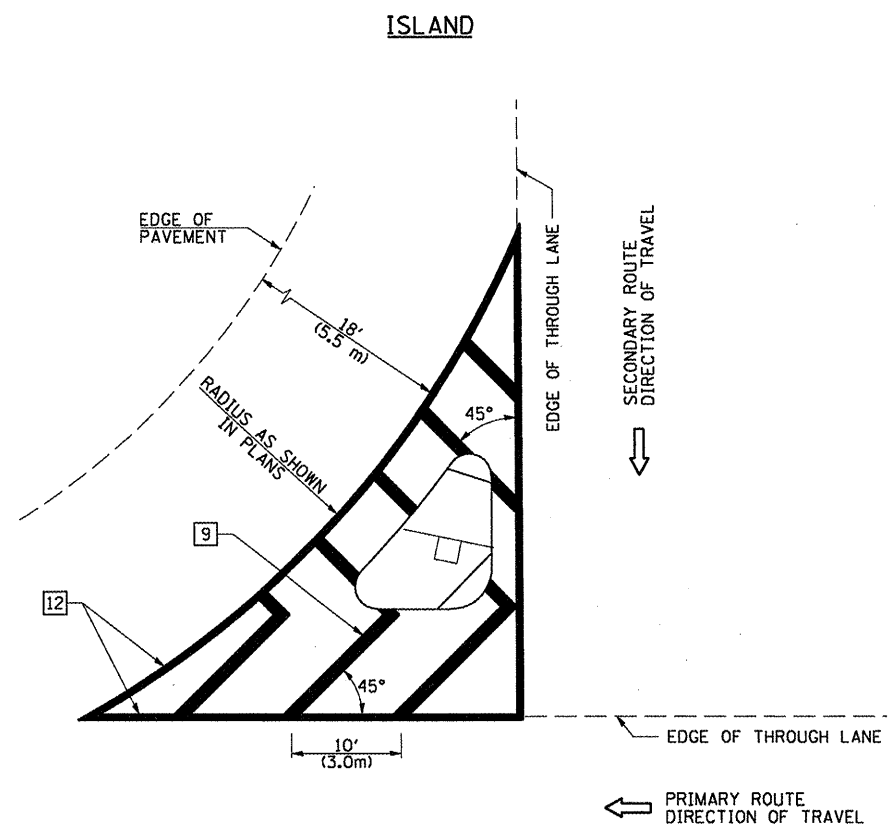
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PLOT DATE = 2/14/2011		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

DISTRICT 7 DETAIL NO. 78000001				
S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11A	D7 HMA RESURF 2011-1	CLARK	13	11
CONTRACT NO. 74488				
ILLINOIS FED. AID PROJECT				

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



GENERAL NOTES

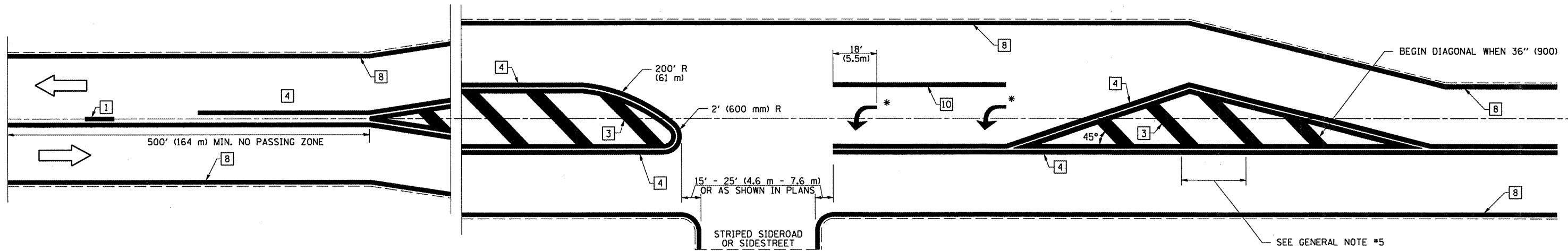
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING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

- | | |
|-------------------------------------|--|
| [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 | |

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.

SEE GENERAL NOTE #5

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 78000001

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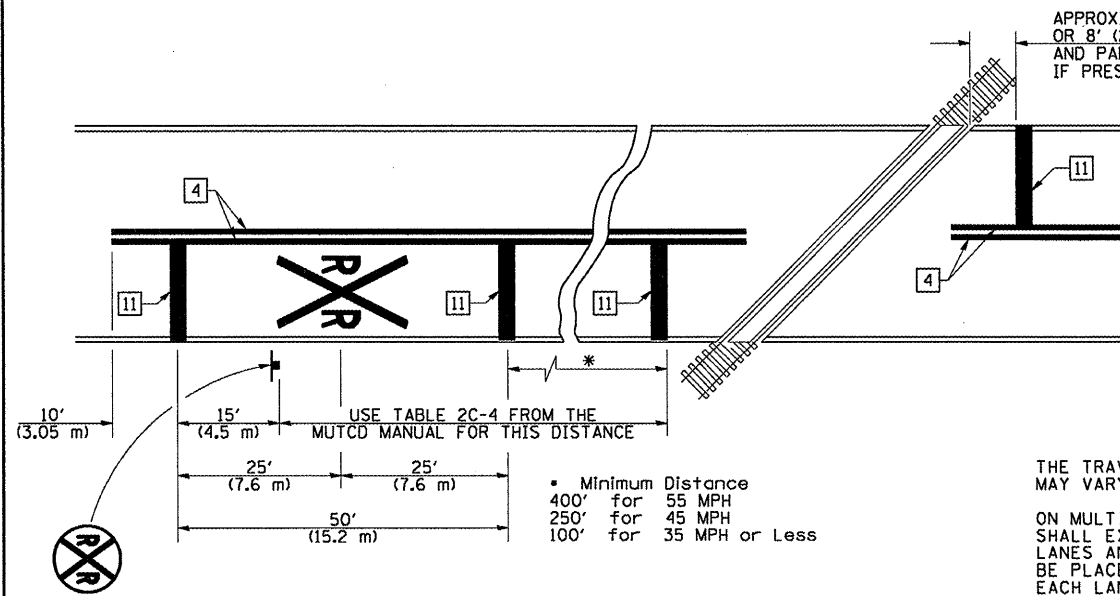
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

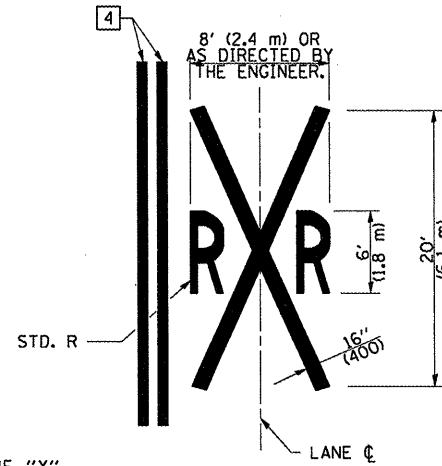
SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

S.B.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11A	D7 HMA RESURF 2011-1	CLARK	13	12
CONTRACT NO. 74488			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



APPROXIMATELY 15' (4.5 m) OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.



NOTES

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

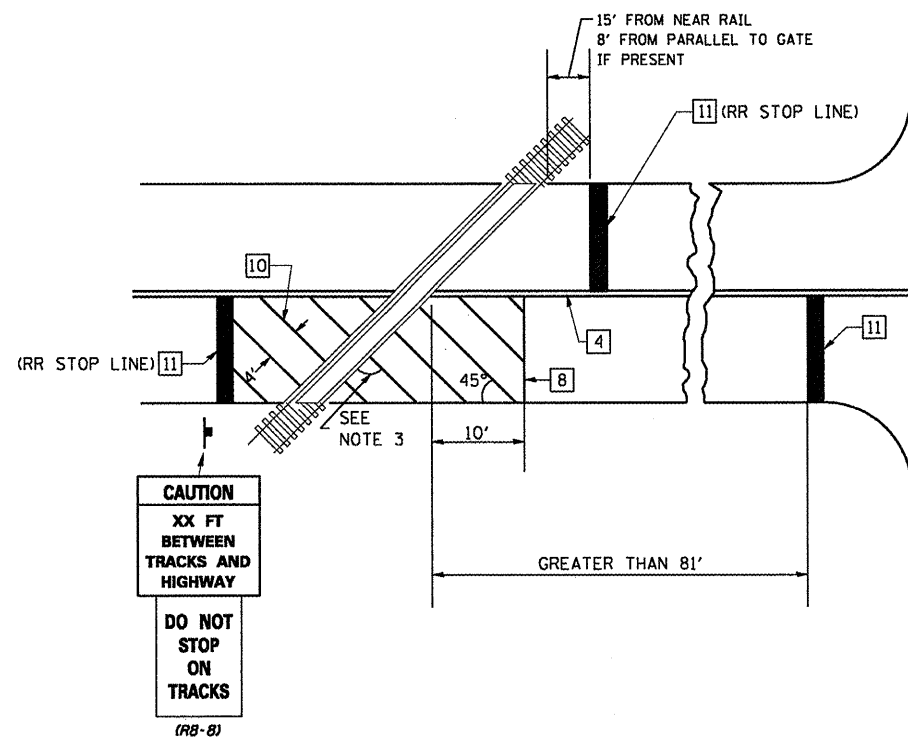
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE R X R SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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.

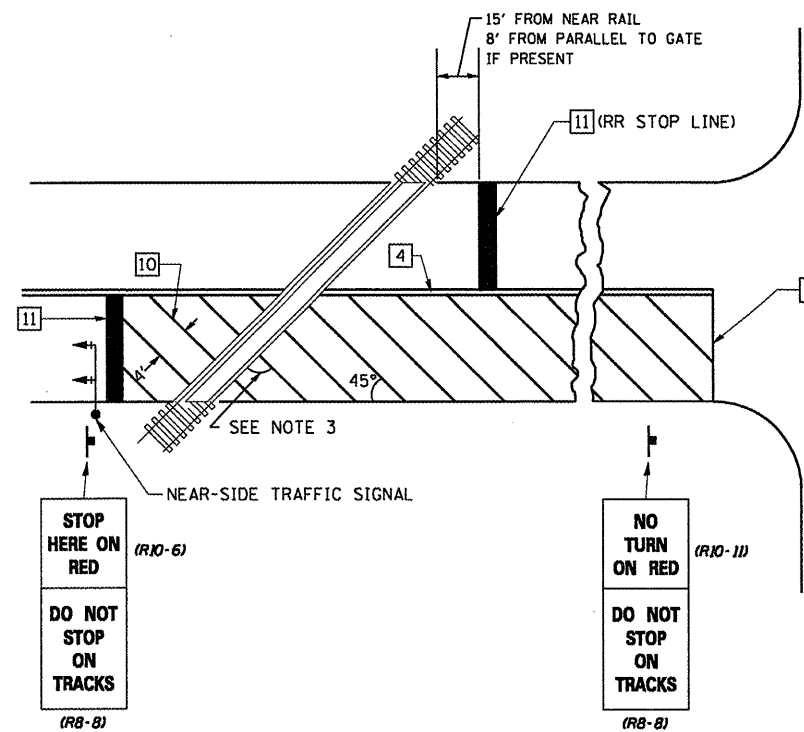
PAVEMENT MARKING LEGEND

- 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 = swartzrv	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11A	07 HMA RESURF 2011-1	CLARK	13	13
CONTRACT NO. 74488				
ILLINOIS FED. AID PROJECT				