

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 812 (BEMENT - HAMMOND ROAD)  
SECTION (25,24)RS-1

**PIATT COUNTY**

C-95-006-98

RESURFACING (3P) FROM IL 105 TO US 36 E. OF HAMMOND

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,25)RS-1	PIATT	28	1
		ILLINOIS	CONTRACT NO. 90915	

D-95-006-98



FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

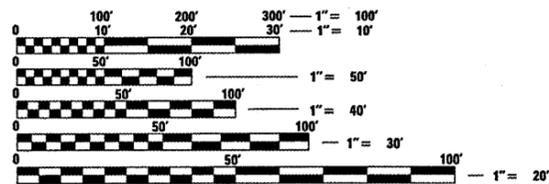
**STRUCTURE INFORMATION**

HMA SURFACE REMOVAL 1 1/2 INCH  
HMA RESURFACING (2 1/4 INCH)

- SN 074-8046
- SN 074-8047
- SN 074-8048
- SN 074-8049
- SN 074-8050

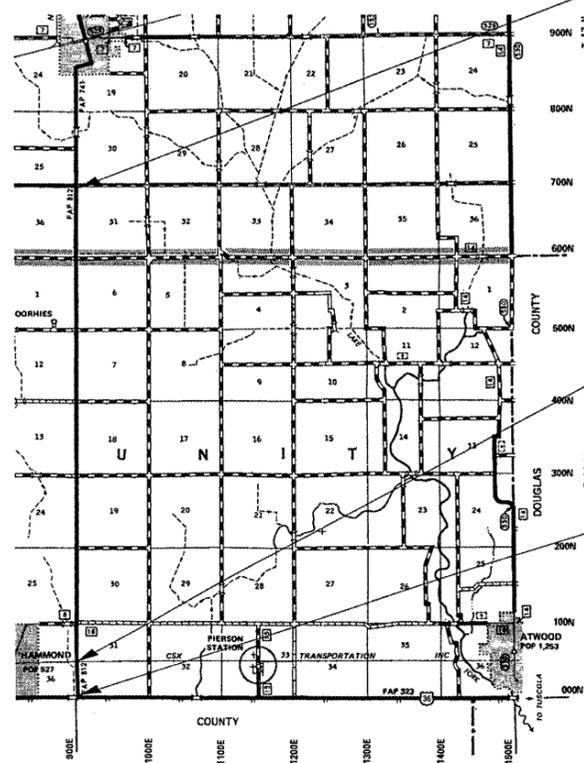
**DESIGN DESIGNATION**

MINOR ARTERIAL  
ADT - 1000 (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.

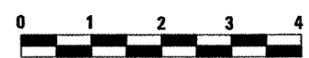
J.U.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811



PROJECT BEGINS  
STA. 11 + 18.21

RAILROAD OMISSION  
STA. 345 + 49.45 TO  
STA. 345 + 57.85

PROJECT ENDS  
STA. 370 + 47.0



GROSS LENGTH = 35,928.79 FT. = 6.805 MILES  
NET LENGTH = 35,920.39 FT. = 6.803 MILES

PROJECT ENGINEER KEVIN TRAPP 217.466.7305  
PROJECT MANAGER MICHAEL LEROY 217.466.7228

CONTRACT NO. 90915

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 3/8 2010  
*Jessie K. Anderson*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7 2010  
*Scott E. Slitt, P.E., Inc.*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 7 2010  
*Christine M. Reedler*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

## INDEX OF SHEETS

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3	GENERAL NOTES
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22	DETAIL OF PERMANENT SURVEY MARKERS TO BE ADJUSTED
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27	PCC PARTIAL DEPTH HMA PATCHING
28	DETAIL OF RUMBLE STRIP (ADVANCE OF INTERSECTIONS)

## LIST OF HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOL, ABBREVIATIONS AND PATTERNS
701201-03	LANE CLOSURE, 2L, 2W DAY ONLY FOR SPEEDS $\geq$ 45 MPH
701301-03	LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

FILE NAME =	USER NAME = teroymo	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

### INDEX OF SHEETS LIST OF HIGHWAY STANDARDS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	2
CONTRACT NO. 90915				
ILLINOIS FED. AID PROJECT				

# GENERAL NOTES

G.N.-100

ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY

G.N.-107.12

THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE LOCAL RAILROAD CONTACT IS:

Mr. Ben Crossman  
Roadmaster  
CSX Transportation  
564 CSX Lane  
Danville, IL 61834  
(217) 442-0126

SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RAILROAD CONTACT PERSON FOR FLAGGERS IS:

Dave Fette  
1717 Dixie Hwy  
Suite 400  
Fort Wright, KY 41011  
859-344-8137

G.N.-406

THE QUANTITIES INCLUDED IN THE PLANS FOR HOT MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE BITUMINOUS MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-406H

**MIXTURE REQUIREMENTS**

The following mixture requirements are applicable for this project:

Location(s):	FAP 812	
Mixture Use(s):	LEVEL BINDER	SURFACE, INCIDENTAL & PARTIAL DEPTH PATCHING
AC/PG:	PG 64-22	PG 64-22
RAP %: (Max)**	25	15
Design Air Voids:	4% @ Ndes =50	4% @ Ndes =50
(Gradation Mixture)	IL 9.5	IL 9.5
Friction Aggregate:	Mix C	Mix C

406.05B

ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER. THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-408B

THE INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE COMPACTED AS REQUIRED BY THE SPECIFICATIONS FOR DESIGN NUMBER OF GYRATIONS BEING USED, AT THE FOLLOWING LOCATIONS:

SIDE ROADS		
OFFSET	CL STATION	NAME
LT.	55+97.5	600 N
RT.	55+95.5	600 N
LT.	108+61.6	500 N
RT.	108+35.4	500 N
LT.	161+03.0	400 N
RT.	161+25.0	400 N
LT.	213+60.0	300 N
RT.	213+84.0	300 N
LT.	264+14.0	200 N
LT.	318+68.0	100 N
RT.	319+17.0	100 N

G.N.-442B -- PATCHING SCHEDULES

THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

G.N.-442C -- PARTIAL DEPTH PATCHING DIMENSIONS

FOR PARTIAL DEPTH PAVEMENT PATCHING, THE MINIMUM SIZE OF ANY PATCH SHALL BE 4 FT BY HALF LANE WIDTH. IF THE REPAIR OF ANY SMALLER AREAS IS REQUIRED, THAT WORK SHALL BE DESIGNATED AS "PAVEMENT CLEANING" AND WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.

G.N.-667

THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR SETTING THESE MARKERS.

G.N.-703A

SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.-781

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPENCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

G.N.-1004.01

COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

NO COMMITMENTS

# SUMMARY OF QUANTITIES

LOCATION:

FAP 812  
PIATT CTY  
STA. 11+18.21  
TO  
STA. 370+47  
RURAL  
TWO LANE  
100% STATE  
I000

CONSTRUCTION CODE:

PAY ITEM CODE	PAY ITEM	UNIT	QTY
40300602	SEAL COAT AGGREGATE, SPECIAL	TON	160.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	9,580.0
40600300	AGGREGATE (PRIME COAT)	TON	50.0
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	4,017.0
40600895	CONSTRUCTING TEST STRIP	EACH	1.0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	288.0
40600990	TEMPORARY RAMP	SQYD	54.0
40603310	HOT-MIX ASPHALT SURFACE COURSE MIX "C", N50	TON	8,047.0
40800010	BITUMINOUS MATERIALS PRIME COAT	GALLON	237.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	199.0
44000155	HMA SURFACE REMOVAL, 1 1/2"	SQYD	95,788.0
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	2,367.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2,380.0
67000500	ENGINEERS FIELD OFFICE, TYPE B	CAL MO	3.0
67100100	MOBILIZATION	L SUM	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	10,780.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,198.0
* 78000100	THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS	SQ FT	123.0
* 78001110	PAINT PAVEMENT MARKING LINE 4"	FOOT	81,557.0
* 78001180	PAINT PAVEMENT MARKING LINE 24"	FOOT	60.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	450.0
X4032500	BITUMINOUS MATERIALS (COVER AND SEAL COATS), SPECIAL	GALLON	4,791.0
X4401705	PARTIAL DEPTH REMOVAL	SQ YD	970.0
X4421000	PARTIAL DEPTH PATCHING	TON	280.0
* Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1.0
Z0055300	RUMBLE STRIP	EACH	3.0
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	18.0

\*SPECIALTY ITEMS

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	PLOT DATE = 3/8/2010	DATE -	REVISED -

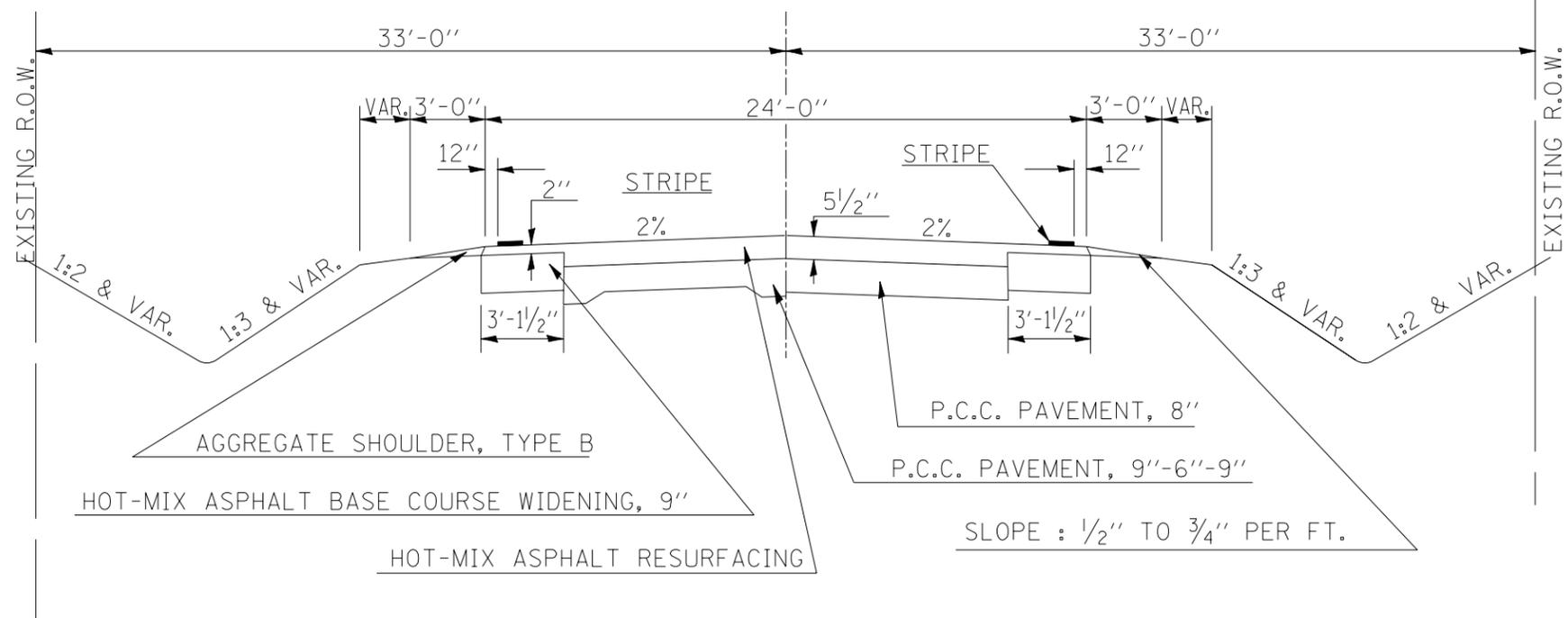
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	F.A. RTE. 812	SECTION (25,24)RS-1	COUNTY PIATT	TOTAL SHEETS 28	SHEET NO. 4
								CONTRACT NO. 90915		
ILLINOIS FED. AID PROJECT										

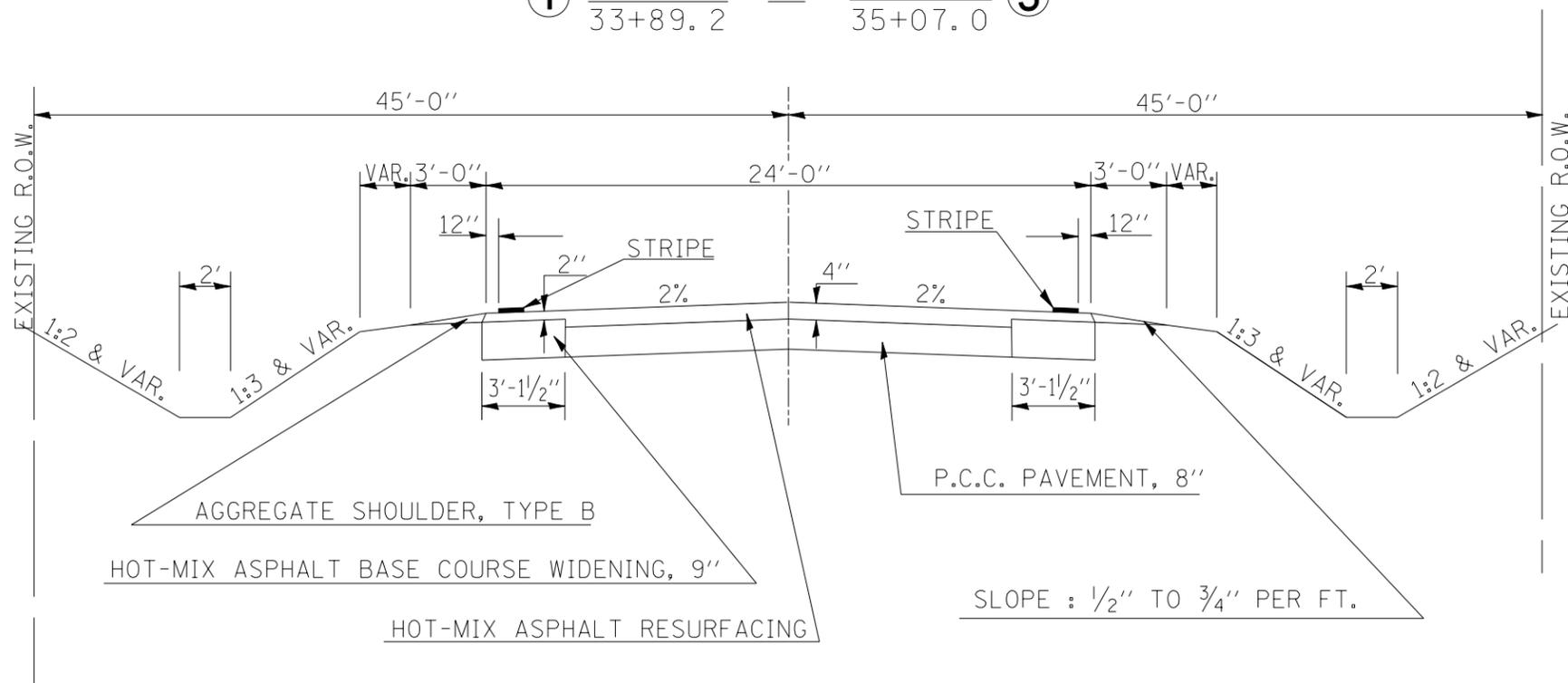
# EXISTING TYPICAL CROSS SECTION ①

STATION 11+18.21 TO STATION 33+89.2 ②



# EXISTING TYPICAL CROSS SECTION ②

① STATION 33+89.2 TO STATION 35+07.0 ③



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

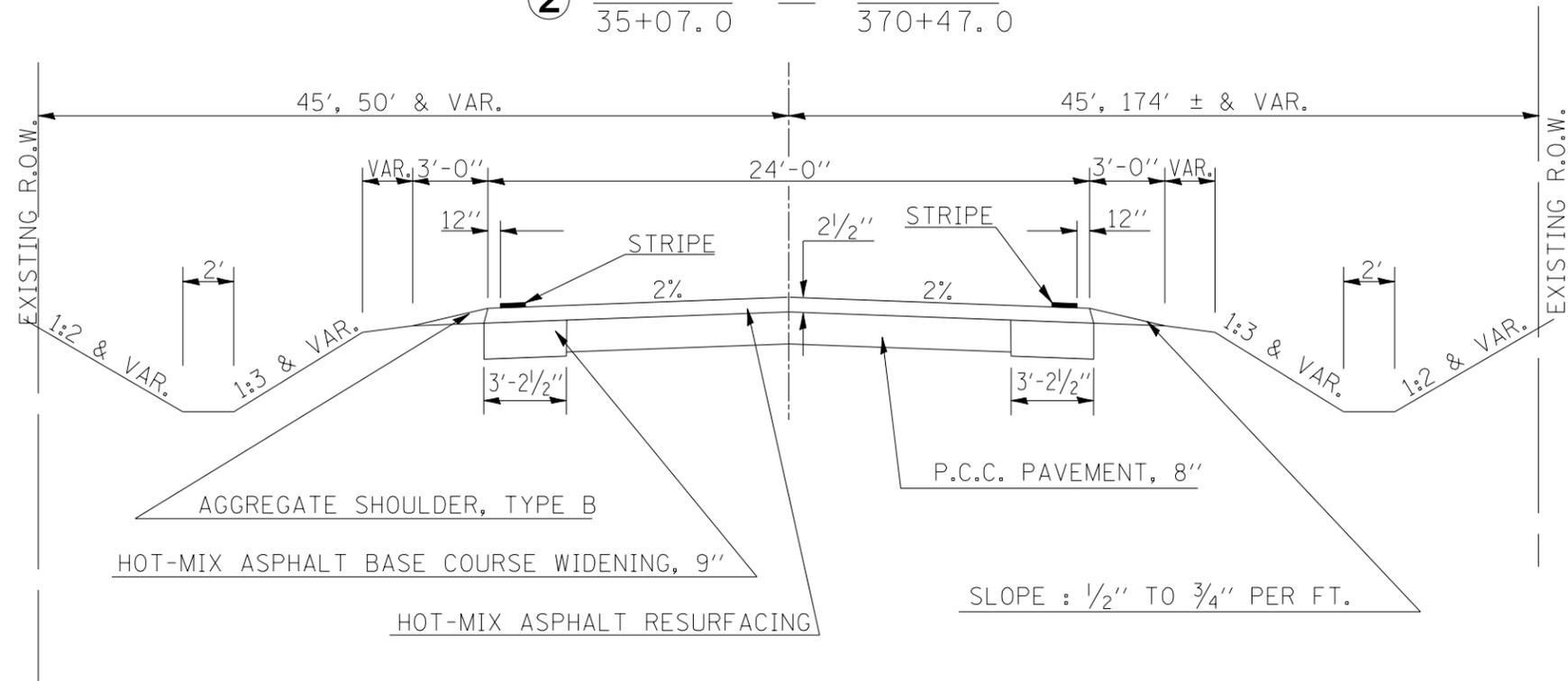
EXISTING TYPICAL CROSS SECTIONS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	5
CONTRACT NO. 90915				
ILLINOIS FED. AID PROJECT				

# EXISTING TYPICAL CROSS SECTION ③

② STATION 35+07.0 TO STATION 370+47.0



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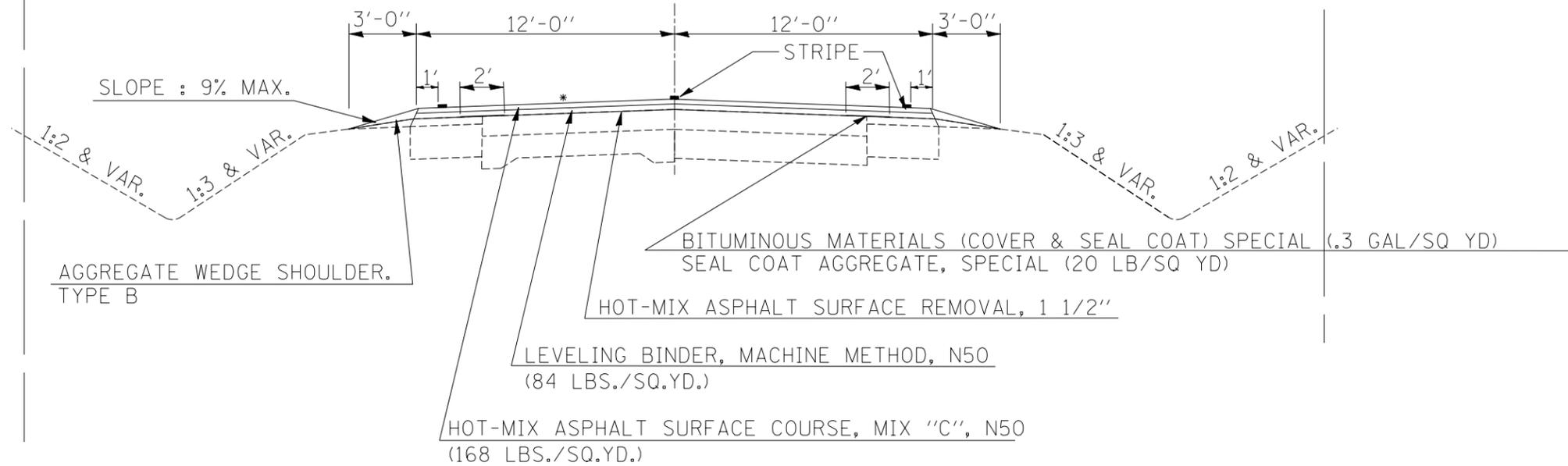
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EXISTING TYPICAL CROSS SECTIONS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	6
CONTRACT NO. 90915				
ILLINOIS FED. AID PROJECT				

# PROPOSED TYPICAL CROSS SECTION ①

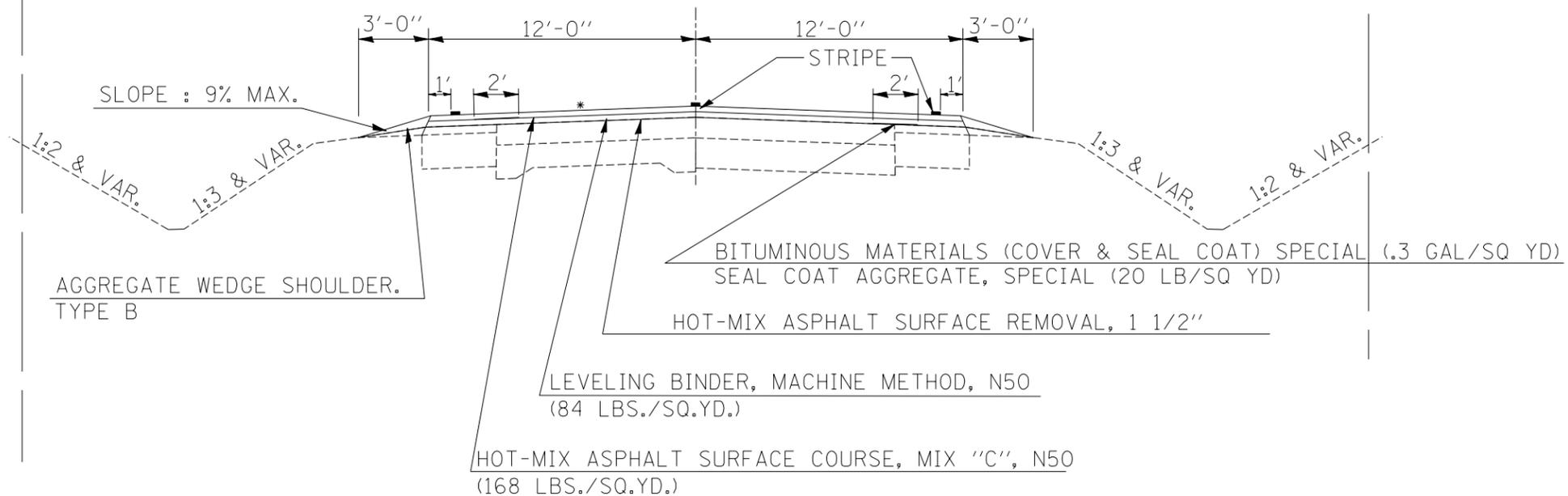
STATION ① TO STATION ②  
11+18.21 TO 33+89.2



\* MATCH EXISTING SLOPE

# PROPOSED TYPICAL CROSS SECTION ②

STATION ① TO STATION ③  
33+89.2 TO 35+07.0



\* MATCH EXISTING SLOPE

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PLOT DATE = 3/8/2010		DATE -	REVISED -

STATE OF ILLINOIS  
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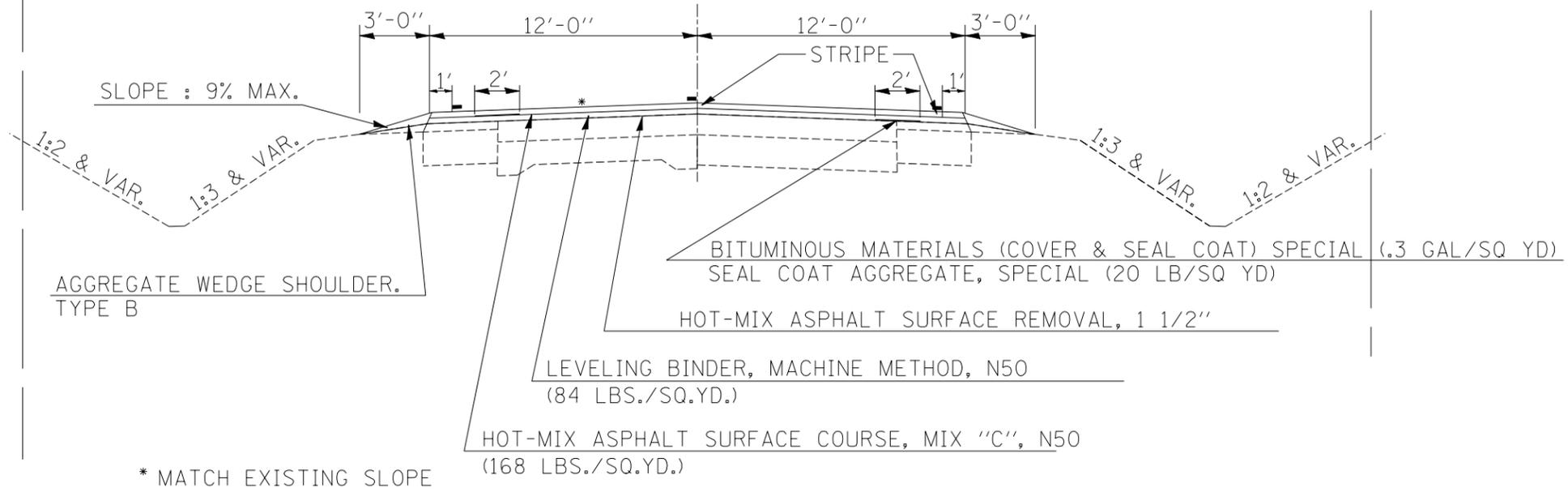
PROPOSED TYPICAL CROSS SECTIONS

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	7
CONTRACT NO. 90915			ILLINOIS FED. AID PROJECT	

# PROPOSED TYPICAL CROSS SECTION ③

② STATION TO STATION  
 35+07.0 345+49.45 (RAILROAD OMISSION)  
 345+57.85 370+47.0



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		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL CROSS SECTIONS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 90915	

# SCHEDULE OF QUANTITIES

## SURVEY MARKER COVER ASSEMBLY (Z0070100)

STATION	EACH
55+93.12	1
82+39.70	1
108+30.80	1
108+61.60	1
123+51.40	1
124+97.70	1
161+01.20	1
161+27.80	1
187+28.10	1
213+58.30	1
213+90.60	1
239+86.80	1
266+14.00	1
266+51.00	1
292+29.80	1
292+73.80	1
318+61.10	1
318+27.00	1
<b>TOTAL</b>	<b>18</b>

## RUMBLE STRIPS (Z0055300)

SB LANE ONLY - APROX. STA.	EACH
359+50.0 TO 359+75.0	1
366+50.0 TO 366+75.0	1
368+50.0 TO 368+75.0	1
<b>TOTAL =</b>	<b>3</b>

## THERMOPLASTIC PAVEMENT MARKINGS LETTERS AND SYMBOLS (78000100)

STATION TO STATION (TYPE)	= X =	SQ FT
STA. RT. 342+16.3 ~ RT. 342+36.3 (1.5 ~ 9.5' RT.)		54.0
STA. RT. 342+23.3 ~ RT. 342+29.3 = R =		3.6
STA. RT. 342+23.3 ~ RT. 342+29.3 = R =		3.6
STA. LT. 348+71.0 ~ LT. 348+91.0 (1.5 ~ 9.5' LT.) = X =		54.0
STA. LT. 348+78.0 ~ LT. 348+84.0 = R =		3.6
STA. LT. 348+78.0 ~ LT. 348+84.0 = R =		3.6
<b>TOTAL</b>		<b>122.4</b>
<b>USE</b>		<b>123.0</b>

## PAINT PAVEMENT MARKINGS LINE 4" (78001110)

STA	TO	STA	LENGTH FEET	YELLOW FEET	WHITE FEET
11+18.21		370+47.00	35,928.79	8,978.95	7,185.78
<b>NO PASSING:</b>					
342+00.00		345+60.00	360.00	360.00	
345+47.00		349+07.00	360.00	360.00	
<b>SUB-TOTAL:</b>				<b>9,698.95</b>	<b>71,857.58</b>
<b>TOTAL</b>				<b>81,556.53</b>	
<b>USE</b>				<b>81,557.00</b>	

## PAINT PAVEMENT MARKINGS LINE 24" (78001180)

STATION	OFF SET	LT/RT	LENGTH FEET
342+00.3	1' - 11'	RT.	10
342+50.3	1' - 11'	RT.	10
345+34.3	1' - 11'	RT.	10
345+71.0	1' - 11'	LT.	10
348+03.0	1' - 11'	LT.	10
348+53.0	1' - 11'	LT.	10
<b>TOTAL</b>			<b>60</b>

## SHORT TERM PAVEMENT MARKINGS (70300100) STA. 11+18.21 TO STA. 370+47.0 = 3593 FT THREE APPLICATIONS = (10,780 FT)

## WORK ZONE PAVEMENT MARKING REMOVAL (70301000) STA. 11+18.21 TO STA. 370+47.0 = 1,198 SQ.FT.

## TEMPORARY RAMPS (40600990)

LOCATION	STATION	TO	STATION	LENGTH	WIDTH	SQYD
BEGIN JOB	11+18.21		11+23.21	5.00	24	13.33
RR NORTH END	345+44.45		345+49.45	5.00	24	13.33
RR SOUTH END	345+57.85		345+62.85	5.00	24	13.33
END JOB	370+17.00		370+22.00	5.00	24	13.33
<b>TOTAL</b>						<b>53.33</b>
<b>USE</b>						<b>54.00</b>

\* TAPER RATE OF 1:40  
\* THICKNESS = 1.5 INCHES

## HMA SURFACE REMOVAL-BUTT JOINT (40600982)

LOCATION	STATION	TO	STATION	LENGTH	WIDTH	SQYD
BEGIN JOB	11+18.21		11+23.21	30.00	24	80.00
RR NORTH END	345+29.50		345+49.45	20.00	29.5	65.56
RR SOUTH END	345+57.85		345+76.05	19.00	29.5	62.28
END JOB	370+17.00		370+22.00	30.00	24	80.00
<b>TOTAL</b>						<b>287.83</b>
<b>USE</b>						<b>288.00</b>

\* TAPER RATE OF 1:240  
\* THICKNESS = 1.5 INCHES

## PARTIAL DEPTH PATCHING

STATION	NORTHBOUND		SOUTHBOUND		THICKNESS INCHES	PARTIAL DEPTH PATCHING TONS X4421000	PARTIAL DEPTH REMOVAL SQ YD X4401705
	LANE		LANE				
	DRIVING	SQYD	DRIVING	SQYD			
362+77.00	6 X 6	4.00		0.00	5.00	1.12	4.00
361+27.00		0.00	4 X 12	5.33	5.00	1.49	5.33
359+34.00		0.00	6 X 12	4.00	5.00	1.12	4.00
358+40.00	6 X 12	8.00		0.00	5.00	2.24	8.00
357+41.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
355+44.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
352+46.00		0.00	6 X 12	8.00	5.00	2.24	8.00
350+87.00		0.00	4 X 12	5.33	5.00	1.49	5.33
349+80.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
346+49.00	10 X 12	13.33	8 X 12	10.67	5.00	6.72	24.00
345+47.00		0.00	4 X 12	5.33	5.00	1.49	5.33
344+12.00	10 X 12	13.33		0.00	5.00	3.73	13.33
341+31.00	6 X 12	8.00	6 X 12	8.00	5.00	4.48	16.00
337+35.00	6 X 12	8.00	6 X 12	8.00	5.00	4.48	16.00
334+35.00		0.00	6 X 12	8.00	5.00	2.24	8.00
329+30.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
325+34.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
319+23.00	4 X 12	5.33		0.00	5.00	1.49	5.33
316+34.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
308+84.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
307+82.00	8 X 12	10.67	6 X 12	8.00	5.00	5.23	18.67
300+82.00	20 X 4	8.89		0.00	5.00	2.49	8.89
299+97.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
294+81.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
292+91.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
289+95.00	8 X 12	10.67	8 X 12	10.67	5.00	5.97	21.33
287+99.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
287+91.00	8 X 12	10.67	8 X 12	10.67	5.00	5.97	21.33
287+00.00	4 X 12	5.33		0.00	5.00	1.49	5.33
286+00.00	10 X 12	13.33	4 X 12	5.33	5.00	5.23	18.67
283+95.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
283+04.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
282+96.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
281+97.00	15 X 4	6.67		0.00	5.00	1.87	6.67
276+89.00	15 X 6	10.00		0.00	5.00	2.80	10.00
268+97.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
264+97.00	4 X 12	5.33		0.00	5.00	1.49	5.33
246+85.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
245+92.00	15 X 12	20.00	6 X 12	8.00	5.00	7.84	28.00
243+92.00	6 X 12	8.00	6 X 12	8.00	5.00	4.48	16.00
240+03.00	8 X 12	10.67	4 X 12	5.33	5.00	4.48	16.00
232+97.00	8 X 12	10.67	8 X 12	10.67	5.00	5.97	21.33
231+92.00		0.00	6 X 12	8.00	5.00	2.24	8.00
227+94.00	4 X 12	5.33		0.00	5.00	1.49	5.33
227+00.00	4 X 12	5.33	6 X 12	8.00	5.00	3.73	13.33

STATION	NORTHBOUND		SOUTHBOUND		THICKNESS INCHES	PARTIAL DEPTH PATCHING TONS X4421000	PARTIAL DEPTH REMOVAL SQ YD X4401705
	LANE		LANE				
	DRIVING	SQYD	DRIVING	SQYD			
224+02.00	4 X 12	5.33		0.00	5.00	1.49	5.33
222+04.00	4 X 12	5.33		0.00	5.00	1.49	5.33
213+04.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
197+95.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
190+91.00	8 X 12	10.67	4 X 12	5.33	5.00	4.48	16.00
186+87.00	4 X 12	5.33		0.00	5.00	1.49	5.33
182+81.00	8 X 12	10.67	8 X 12	10.67	5.00	5.97	21.33
175+72.00	4 X 12	5.33		0.00	5.00	1.49	5.33
169+72.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
167+70.00	4 X 12	5.33		0.00	5.00	1.49	5.33
134+49.00		0.00	4 X 12	5.33	5.00	1.49	5.33
125+25.00		0.00	6 X 12	8.00	5.00	2.24	8.00
120+26.00		0.00	4 X 12	5.33	5.00	1.49	5.33
119+39.00		0.00	4 X 12	5.33	5.00	1.49	5.33
107+04.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
103+43.00		0.00	6 X 12	8.00	5.00	2.24	8.00
103+31.00		0.00	4 X 12	5.33	5.00	1.49	5.33
98+28.00	4 X 12	5.33		0.00	5.00	1.49	5.33
94+41.00	4 X 12	5.33		0.00	5.00	1.49	5.33
94+30.00	4 X 12	5.33		0.00	5.00	1.49	5.33
93+27.00	4 X 12	5.33		0.00	5.00	1.49	5.33
92+28.00		0.00	4 X 12	5.33	5.00	1.49	5.33
87+62.00	25 X 4	11.11		0.00	5.00	3.11	11.11
83+38.00	4 X 12	5.33		0.00	5.00	1.49	5.33
75+32.00	15 X 12	20.00	15 X 12	20.00	5.00	11.20	40.00
68+24.00	30 X 6	20.00		0.00	5.00	5.60	20.00
66+24.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
63+36.00	10 X 12	13.33	10 X 12	13.33	5.00	7.47	26.67
56+31.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
52+98.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
51+55.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
51+32.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
50+41.00	10 X 12	13.33	10 X 12	13.33	5.00	7.47	26.67
48+59.00	6 X 12	8.00	6 X 12	8.00	5.00	4.48	16.00
47+48.00	4 X 12	5.33	4 X 12	5.33	5.00	2.99	10.67
43+36.00		0.00	4 X 12	5.33	5.00	1.49	5.33
33+31.00	4 X 12	5.33	4 X 12	5.33	7.00	4.18	10.67
30+08.00		0.00	4 X 12	5.33	7.00	2.09	5.33
28+14.00		0.00	4 X 12	5.33	7.00	2.09	5.33
24+12.00		0.00	4 X 12	5.33	7.00	2.09	5.33
21+02.00		0.00	8 X 12	10.67	7.00	4.18	10.67
16+07.00		0.00	10 X 12	13.33	7.00	5.23	13.33
15+03.00	4 X 12	5.33	0.00	0.00	7.00	2.09	5.33
12+51.00	4 X 12	5.33	4 X 12	5.33	7.00	4.18	10.67
TOTAL		516.67		453.33		279.07	970.00
USE				970.00		280.00	970.00

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PLOT DATE = 3/8/2010		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 90915	

**INCIDENTAL HOT-MIX ASPHALT, SIDEROADS AND ENTRANCES**

STATION	OFFSET	TYPE	LENGTH (FRONT) FEET	LENGTH (BACK) FEET	LENGTH (AVG) FEET	WIDTH FEET	HMA SURFACE REMOVAL (SPECIAL) 44000196 SQ YD	INCIDENTAL HMA SURFACING 40800050 TONS	BITUMINOUS MATERIALS PRIME COAT 40800010 GALLONS
23+57.0	RT	FE	44.6	33.0	38.8	3.0	12.93	1.09	1.29
29+09.0	LT	FE	45.0	32.0	38.5	3.2	13.69	1.15	1.37
34+85.0	RT	FE	39.1	21.0	30.1	3.0	10.02	0.84	1.00
35+77.0	RT	FE	40.0			18.0	0.00	0.00	0.00
45+92.0	LT	FE	45.5	28.5	37.0	3.0	12.33	1.04	1.23
47+60.0	LT	FE	51.5	34.0	42.8	3.0	14.25	1.20	1.43
55+95.5	RT	600 N					63.00	5.29	6.30
55+97.5	LT	600 N					118.00	9.91	11.80
69+10.0	RT	FE	47.0	32.5	39.8	3.0	13.25	1.11	1.33
82+10.0	RT	FE	45.8	31.2	38.5	3.0	12.83	1.08	1.28
82+38.0	LT	FE	61.2	45.5	53.4	3.5	20.75	1.74	2.07
95+57.0	LT	FE	49.7	33.4	41.6	3.0	13.85	1.16	1.39
96+00.0	RT	FE	48.7	34.7	41.7	3.0	13.90	1.17	1.39
101+99.0	LT	FE	49.8	36.4	43.1	3.0	14.37	1.21	1.44
102+61.0	LT	FE	49.0	34.0	41.5	3.0	13.83	1.16	1.38
102+80.0	RT	PE	41.0	16.0	28.5	9.0	28.50	2.39	2.85
108+35.4	RT	500 N					109.90	9.23	10.99
108+61.6	LT	500 N					74.95	6.30	7.50
113+45.0	LT	PE	74.0	51.5	62.8	10.0	69.72	5.86	6.97
113+75.0	LT				0.0		0.00	0.00	0.00
117+00.0	LT	FE	54.0	40.6	47.3	3.0	15.77	1.32	1.58
123+62.0	LT	FE	50.5	36.0	43.3	3.0	14.42	1.21	1.44
131+76.0	RT	PE	42.2	18.8	30.5	10.0	33.89	2.85	3.39
131+81.0	LT	FE	68.4	48.3	58.4	6.0	38.90	3.27	3.89
133+48.0	RT	FE	43.7	30.5	37.1	3.0	12.37	1.04	1.24
135+51.0	LT	FE	48.0	32.5	40.3	3.0	13.42	1.13	1.34
148+25.0	RT	FE	47.3	35.0	41.2	3.0	13.72	1.15	1.37
152+57.0	LT	FE	47.2	33.2	40.2	3.0	13.40	1.13	1.34
161+03.0	LT	400 N					64.20	5.39	6.42
161+25.0	RT	400 N					74.30	6.24	7.43
174+34.0	LT	FE	51.0	38.0	44.5	3.0	14.83	1.25	1.48
182+10.0	LT	FE	40.0	17.0	28.5	10.0	31.67	2.66	3.17
183+83.0	LT	PE	41.0	20.5	30.8	10.0	34.17	2.87	3.42

STATION	OFFSET	TYPE	LENGTH (FRONT) FEET	LENGTH (BACK) FEET	LENGTH (AVG) FEET	WIDTH FEET	HMA SURFACE REMOVAL (SPECIAL) 44000196 SQ YD	INCIDENTAL HMA SURFACING 40800050 TONS	BITUMINOUS MATERIALS PRIME COAT 40800010 GALLONS
183+88.0	RT	FE	50.0	36.2	43.1	3.0	14.37	1.21	1.44
187+50.0	LT	FE	50.4	34.4	42.4	3.5	16.49	1.39	1.65
199+66.0	RT	FE	46.0	30.7	38.4	3.5	14.91	1.25	1.49
213+60.0	LT	300 N					83.20	6.99	8.32
213+84.0	RT	300 N					75.00	6.30	7.50
215+56.0	RT	PE	40.0	12.5	26.3	30.0	87.50	7.35	8.75
216+18.0	RT	PE	32.4	13.0	22.7	30.0	75.67	6.36	7.57
217+46.0	RT	FE	41.0	18.7	29.9	10.0	33.17	2.79	3.32
226+01.0	LT	FE	45.0	36.5	40.8	3.0	13.58	1.14	1.36
226+11.0	RT	FE	45.0	36.5	40.8	3.0	13.58	1.14	1.36
234+43.0	LT	FE	44.0	29.0	36.5	3.0	12.17	1.02	1.22
236+75.0	RT	FE	49.0	34.3	41.7	3.0	13.88	1.17	1.39
244+18.0	RT	FE	42.2	37.0	39.6	3.0	13.20	1.11	1.32
264+04.0	LT	FE	54.5	34.5	44.5	3.0	14.83	1.25	1.48
264+14.0	LT	200 N					68.43	5.75	6.84
250+65.0	LT	PE	39.7	17.5	28.6	9.5	30.19	2.54	3.02
257+05.0	RT	PE	72.0	45.0	58.5	6.5	42.25	3.55	4.23
278+22.0	LT	PE	41.0	21.0	31.0	9.0	31.00	2.60	3.10
279+17.0	LT	PE	70.4	18.7	44.6	9.0	44.55	3.74	4.46
279+50.0	RT	FE	42.0	17.5	29.8	10.0	33.06	2.78	3.31
281+47.0	RT	PE	50.5	27.0	38.8	10.0	43.06	3.62	4.31
285+04.0	LT	PE	70.5	18.0	44.3	9.0	44.25	3.72	4.43
286+69.0	LT	FE	47.3	33.0	40.2	3.0	13.38	1.12	1.34
297+00.0	RT	FE	50.3	36.0	43.2	3.0	14.38	1.21	1.44
318+68.0	LT	100 N					152.40	12.80	15.24
319+17.0	RT	100 N					249.30	20.94	24.93
320+95.0	RT	FE	53.5	36.5	45.0	3.5	17.50	1.47	1.75
332+71.0	RT	FE	46.7	34.0	40.4	3.0	13.45	1.13	1.35
344+90.0	LT	FE	48.0	35.5	41.8	3.0	13.92	1.17	1.39
346+98.0	RT	PE	53.0	32.0	42.5	12.0	56.67	4.76	5.67
358+64.0	LT	FE	50.5	34.5	42.5	3.0	14.17	1.19	1.42
TOTAL							2,368.61	198.96	236.86
USE							2,367.00	199.00	237.00

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	PLOT DATE = 3/8/2010	DATE -	REVISED -

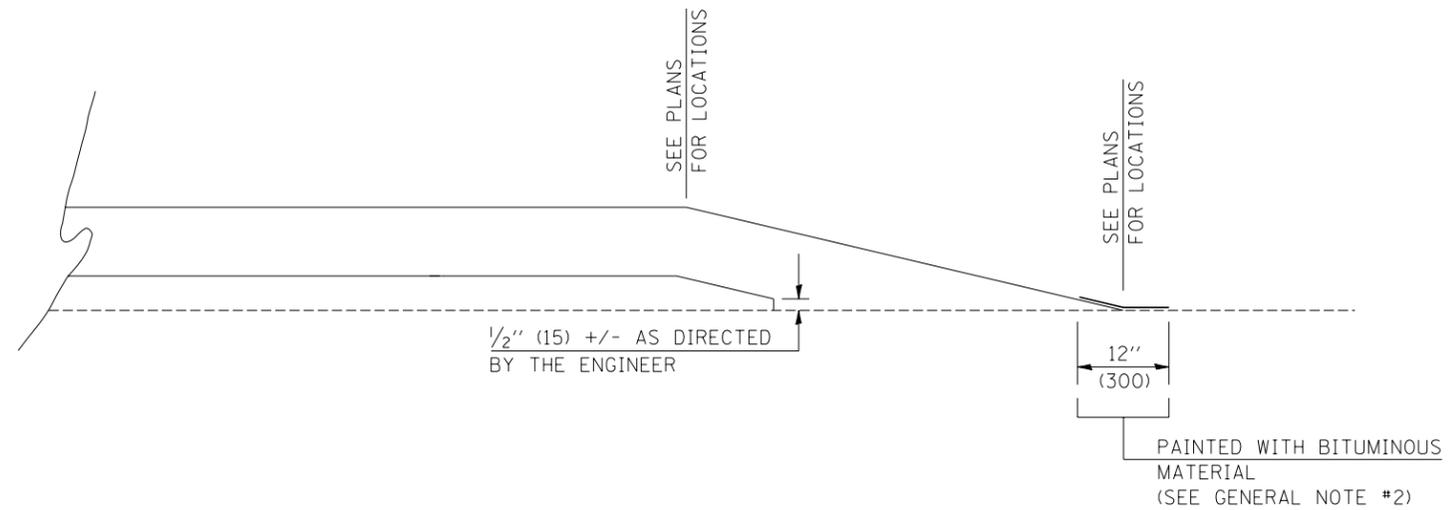
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(25,24)RS-1	PIATT	28	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 90915	





GENERAL NOTES

1. ALL PROPOSED RUNDOWNS SHALL BE UNIFORMLY CONSTRUCTED AS FOLLOWS:  
 1: 240 (20 FEET PER INCH) OF THICKNESS FOR NON-INTERSTATE IMPROVEMENTS (SEE ARTICLE 406.09)  
 1: 360 (30 FEET PER INCH) OF THICKNESS FOR INTERSTATE IMPROVEMENTS
  
2. ON RESURFACING RUNDOWNS THAT ARE TO REMAIN IN PLACE AFTER COMPLETION OF THE SECTION, THE END OF THE FEATHEREDGE SHALL BE PAINTED WITH A UNIFORM COATING OF AC OR HFE BITUMINOUS MATERIAL APPROVED BY THE ENGINEER AFTER THE RUNDOWN IS COMPLETED. THE BITUMINOUS MATERIAL SHALL BE PAINTED ACROSS THE END OF THE RUNDOWN APPROXIMATELY 12 INCHES (300 mm) WIDE, 6 INCHES (150 mm) ON THE RUNDOWN AND 6 INCHES (150 mm) ON THE PAVEMENT. THE PAINTED STRIP SHALL BE COVERED WITH SAND. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

**DISTRICT 5 DETAIL NO. 406AAAAA**

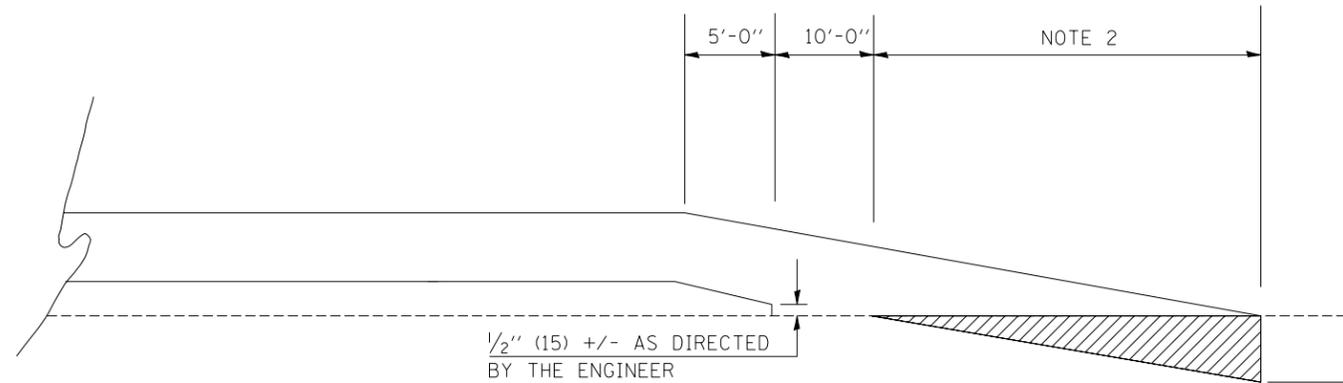
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	PLOT DATE = 3/8/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FEATHEREDGE RUNDOWN**

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

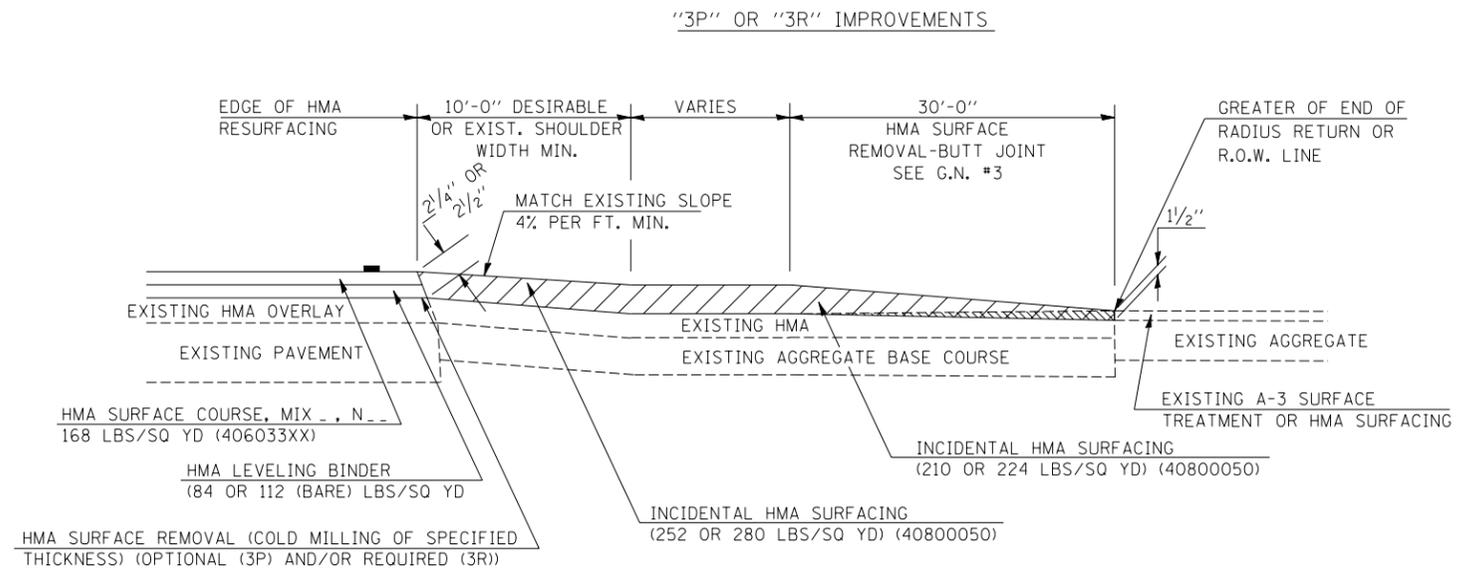
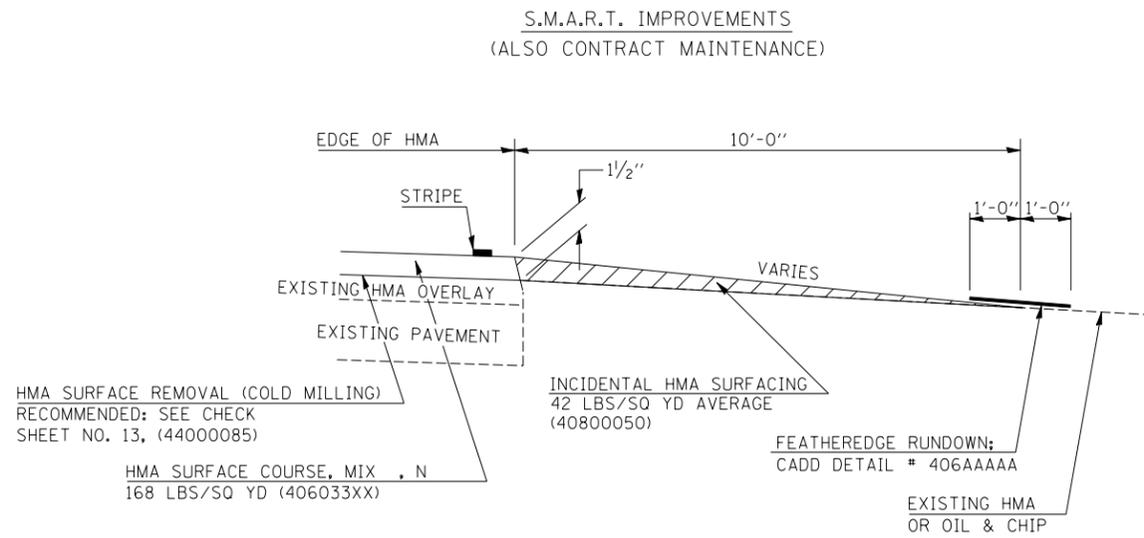
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	13
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90915	



1. ALL PROPOSED TAPERS SHALL BE UNIFORMLY CONSTRUCTED AS FOLLOWS:  
 1: 240 (20 FEET PER INCH) OF THICKNESS FOR NON-INTERSTATE IMPROVEMENTS (SEE ARTICLE 406.09)  
 1: 360 (30 FEET PER INCH) OF THICKNESS FOR INTERSTATE IMPROVEMENTS
  
2. LENGTH OF TAPER VARIES WITH LOCATIONS PER THE TABLE BELOW:  
 START AND END OF JOB - LENGTH = 30' -0"  
 NORTH SIDE OF RR X-ING - LENGTH = 20' -0"  
 SOUTH SIDE OF RR X-ING - LENGTH = 19' -0"
  
3. RESURFACING AT THE RAILROAD CROSSING SHALL BE IN ACCORDANCE WITH ARTICLE 406.06(e).  
 THE STRINGLINE AND ALL WORK REQUIRED TO SET UP THE STRINGLINE WILL NOT BE PAID FOR SEPARATELY,  
 BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE HOT-MIX ASPHALT PAY ITEMS.

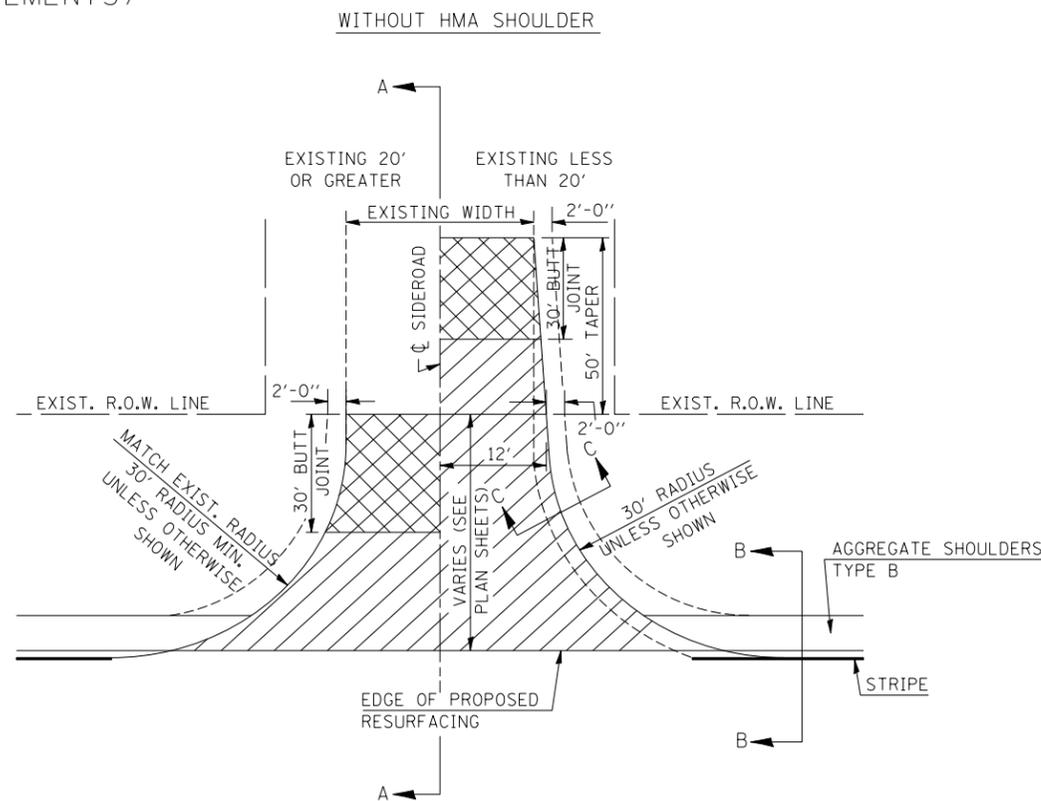
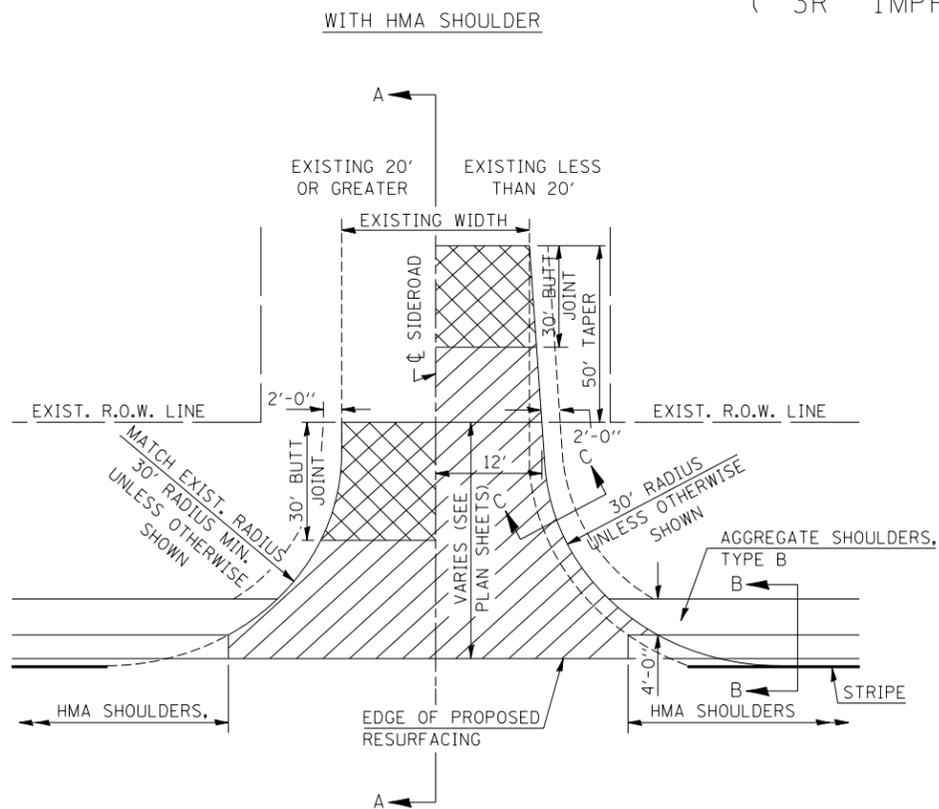
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PLOT SCALE = 40.0251' / IN.	CHECKED -	REVISED -	CONTRACT NO. 90915							
PLOT DATE = 3/8/2010	DATE -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

# PROJECTS WITHOUT RECONSTRUCTION



# PROJECTS WITH RECONSTRUCTION

("3R" IMPROVEMENTS)



## GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

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

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-06 CONSULT CHAPTER 49 OF BDE MANUAL

FILE NAME =	USER NAME = leroyma	DESIGNED -	REVISED - 12/13/06 TJB
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		CHECKED -	REVISED - 12/21/09 KJT
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEROADS & SIDESTREETS (RURAL)

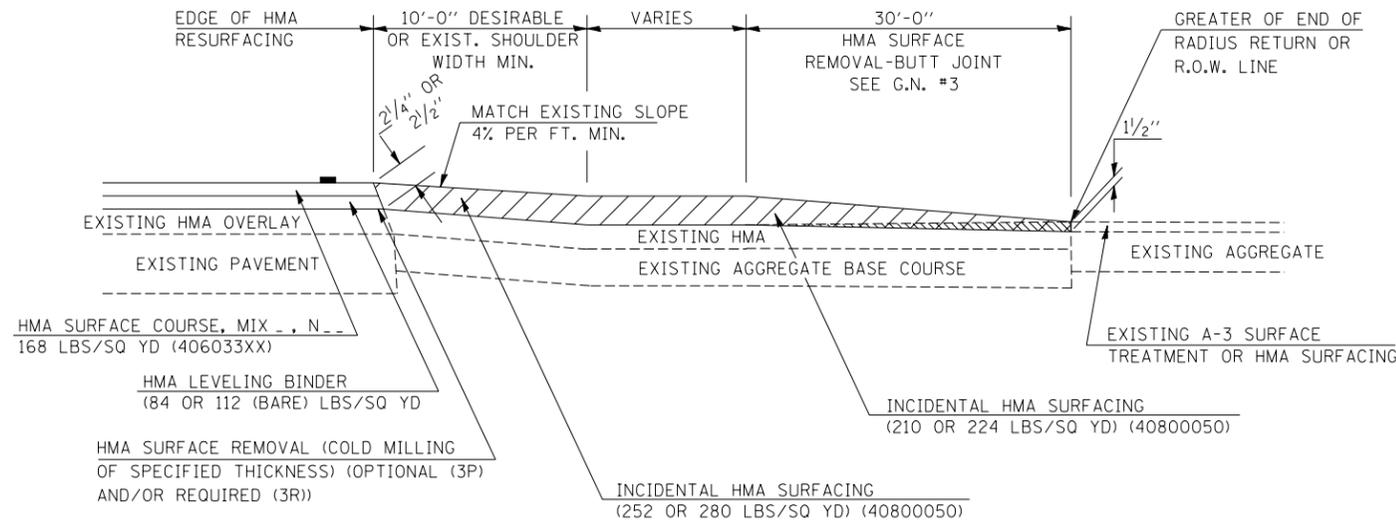
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## DISTRICT 5 DETAIL NO. 408000AA

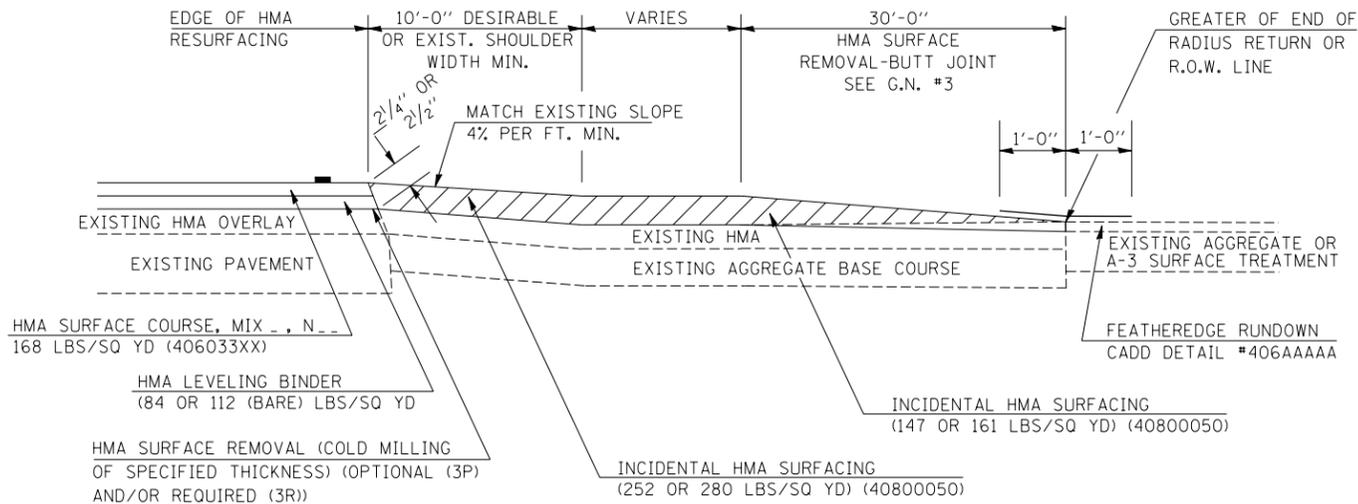
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90915	

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-06 CONSULT CHAPTER 49 OF BDE MANUAL

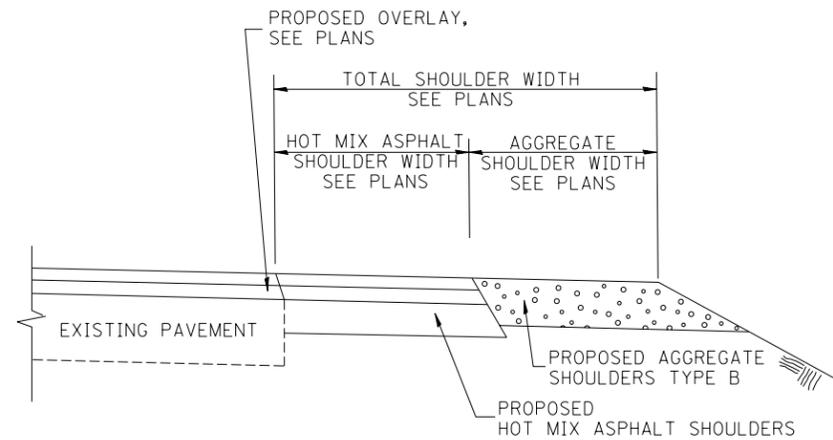
SECTION A-A  
EXISTING HMA OR PCC SIDEROAD (>400 ADT)



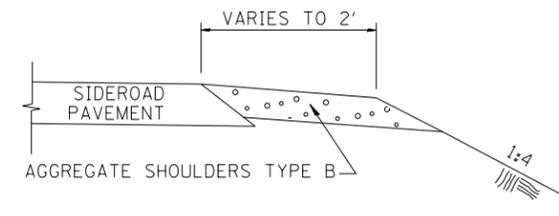
SECTION A-A  
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (<400 ADT)



RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)											
DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance				
	min.	des.	max.	min.	des.	max.	min.	des.	max.		
SURFACE WIDTH (FT); (measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAAA						resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA	
RADIUS (FT)	30	30									
SHOULDER WIDTH (FT)	4	8	10								
SHOULDER SLOPE (%)	2	4	12								
ENTRANCE GRADE (%)	1	1 to 4	4								
BREAKOVER (%)	0	5	10								
SIDE SLOPE	1:10	1:6	1:4								
INTERSECTION ANGLE	60	75 to 90									
<b>SURFACE TYPE</b>											
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge				
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base							
PCC PAVEMENT (INCH)		8									



SECTION B-B  
MAINLINE SHOULDER TREATMENT



SECTION C-C  
SIDEROAD SHOULDER TREATMENT

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

FILE NAME =	USER NAME = leroyma	DESIGNED -	REVISED - 12/13/06 TJB
c:\pwork\pwork\leryma\d0175388\d950698.dgn		DRAWN -	REVISED - 09/21/07 KAG
		CHECKED -	REVISED - 12/21/09 KJT
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEROADS & SIDESTREETS (RURAL)

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

DISTRICT 5 DETAIL NO. 408000AA

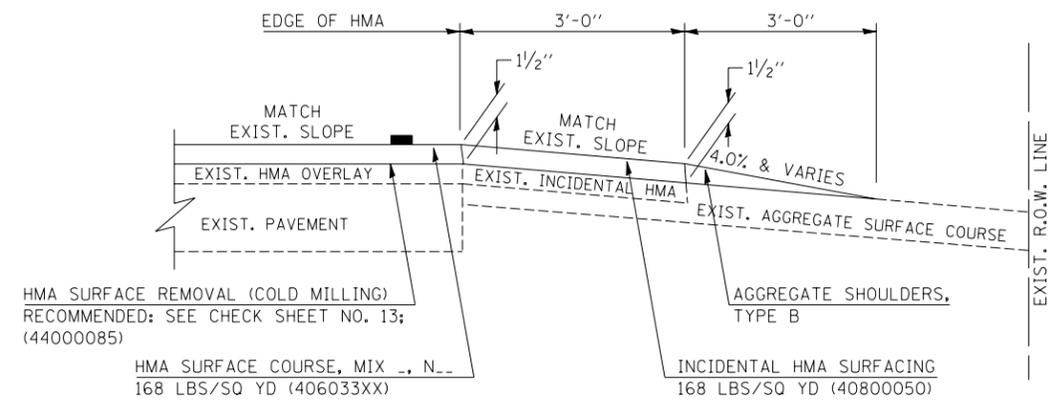
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	16
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90915	

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-09

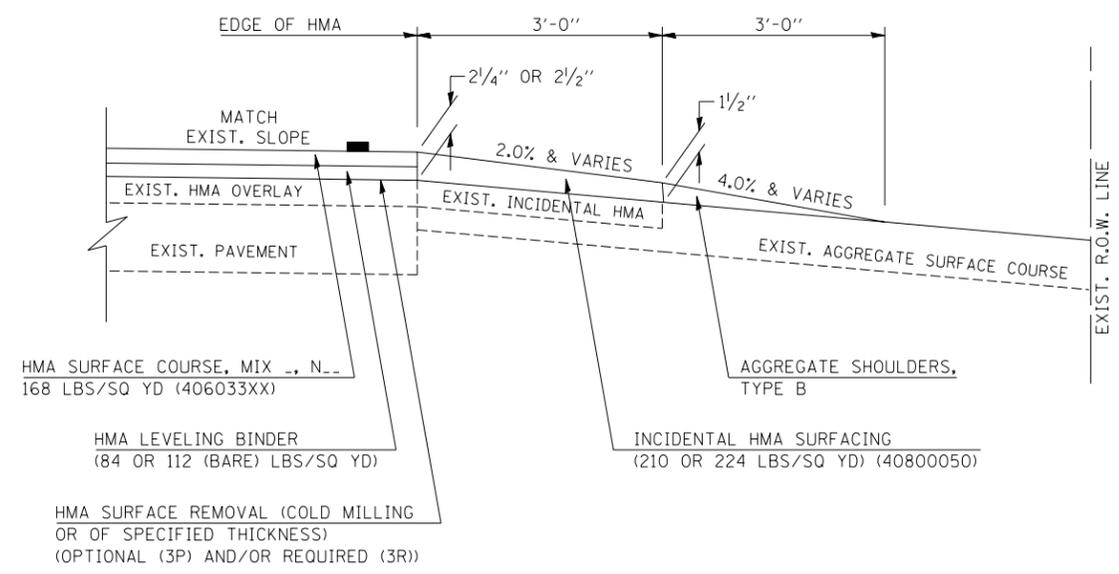
**PROJECTS WITHOUT RECONSTRUCTION**

("3R" WITHOUT RECONSTRUCTION, 3P, SMART AND CM)

S.M.A.R.T. IMPROVEMENTS  
(POLICY RESURFACING; BDE 53-4.03; 1/2")

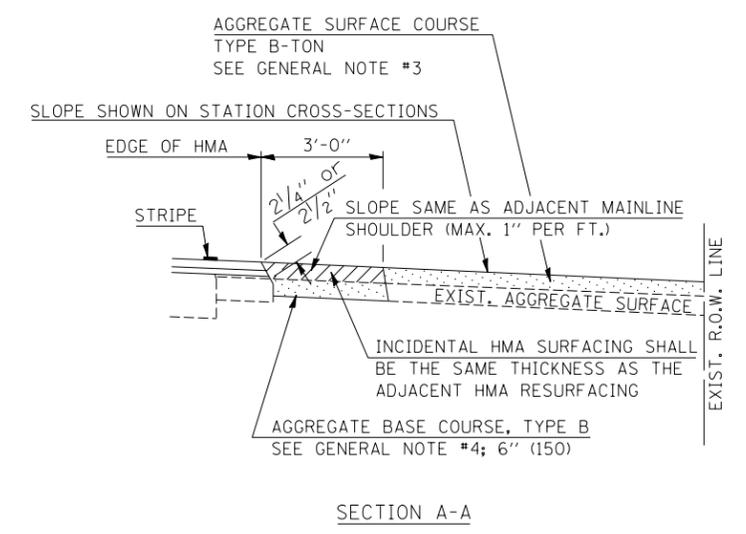
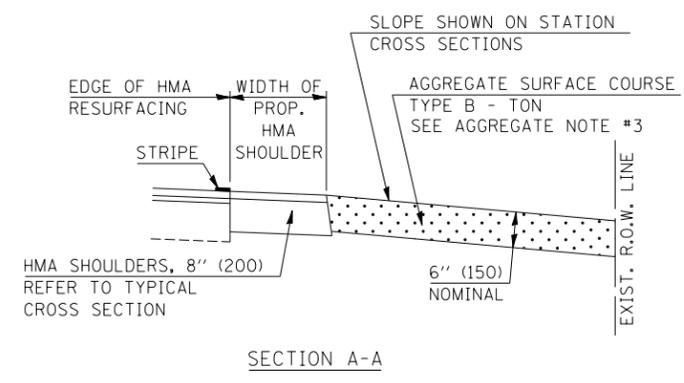
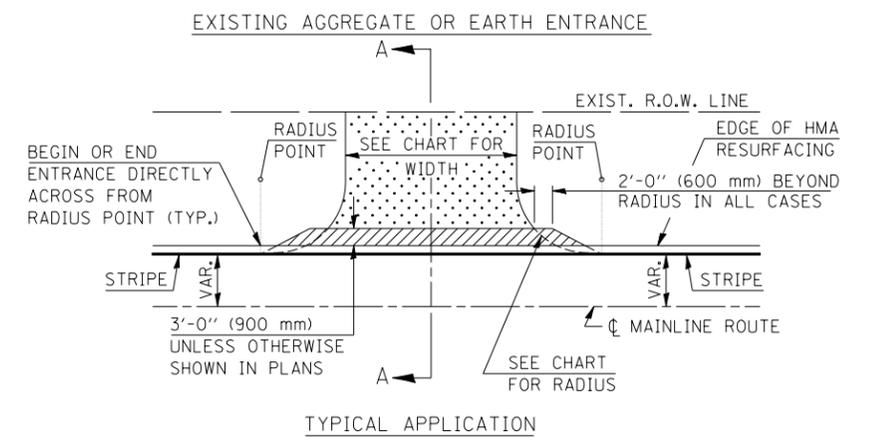
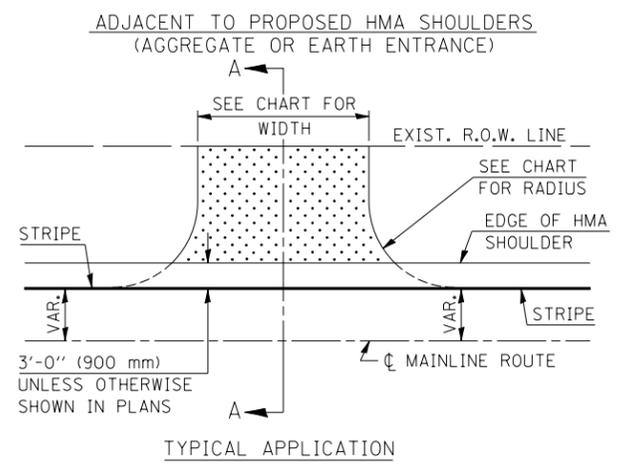


"3P" OR "3R" IMPROVEMENTS  
(POLICY RESURFACING; BDE 53-4.02; 2/4" OR 2/2" ON BARE CONCRETE)



**PROJECTS WITH RECONSTRUCTION**

("3R" IMPROVEMENTS AND SMART/3P "SPOT" LOCATIONS)



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

FILE NAME =	USER NAME = leroyma	DESIGNED -	REVISED - 12/01/06 TJB
c:\pwork\pwork\l1eroyma\d0175388\d9504698.dgn		DRAWN -	REVISED - 09/21/07 KAG
		CHECKED -	REVISED - 04/30/08 KJT
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FIELD ENTRANCES (NONCOMMERCIAL RURAL)**

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

**DISTRICT 5 DETAIL NO. 40800050A**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B12	(25,24)RS-1	PIATT	28	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90915	

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)																
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM									
	NONCOMMERCIAL			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL			
	PRIVATE & FIELD			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			PRIVATE & FIELD			COMMERCIAL			
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.		
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY						1 LANE, 1 WAY				
						2 LANE, 2 WAY						2 LANE, 2 WAY				
						14	16	24								
RADIUS (FT)	15	25	40	30		20	30	50	resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them							
SHOULDER WIDTH (FT)	2	2		2		1	3									
SHOULDER SLOPE (%)	2	4	6	4		2	4	6								
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10								
SIDE SLOPE (FT)	1:4	1:6	1:10	1:4	1:6	1:4	1:6	1:10								
<b>SURFACE TYPE</b>																
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder							
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02							
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8								

**GENERAL NOTES**

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

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

**DISTRICT 5 DETAIL NO. 40800050A**

FILE NAME =	USER NAME = leroyma	DESIGNED -	REVISED - 12/01/06 TJB
ca:\pwork\pwork\leryma\d0175388\d950698.dgn		DRAWN -	REVISED - 09/21/07 KAG
		CHECKED -	REVISED - 04/30/08 KJT
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FIELD ENTRANCES (NONCOMMERCIAL RURAL)**

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

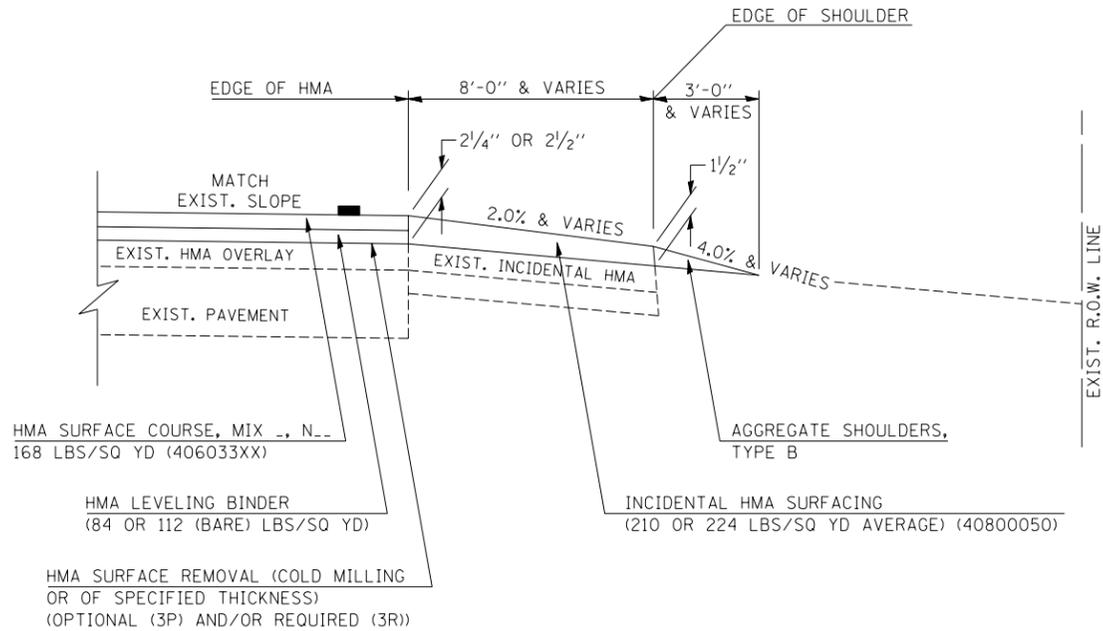
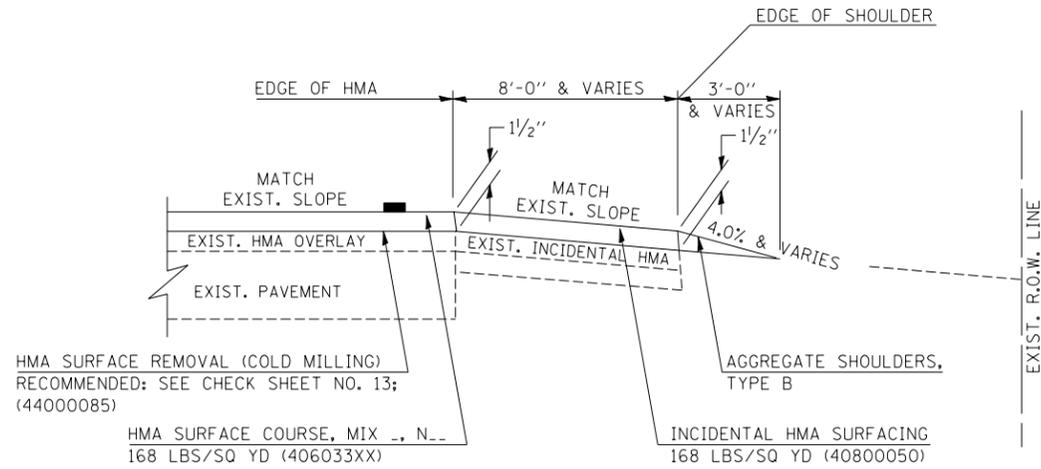
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	18
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 90915

# PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS  
(POLICY RESURFACING; BDE 53-4.03; 1 1/2")

"3P" OR "3R" IMPROVEMENTS  
(POLICY RESURFACING; BDE 53-4.02; 2 1/4" OR 2 1/2" ON BARE CONCRETE)

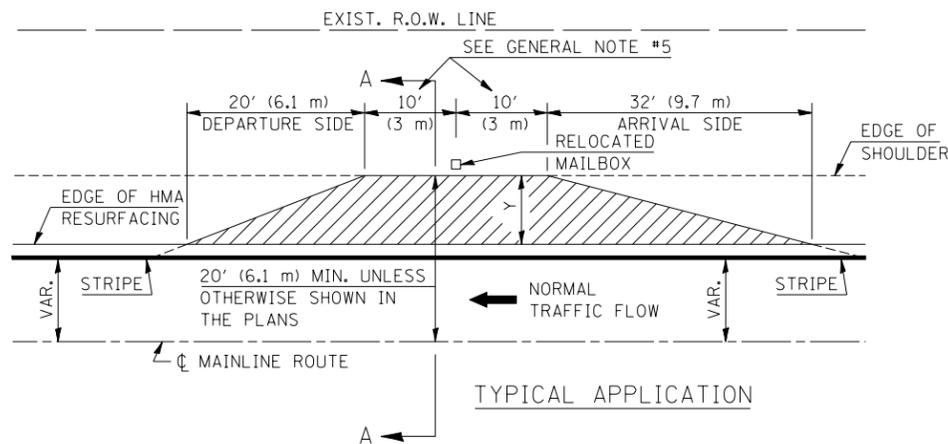


## GENERAL NOTES

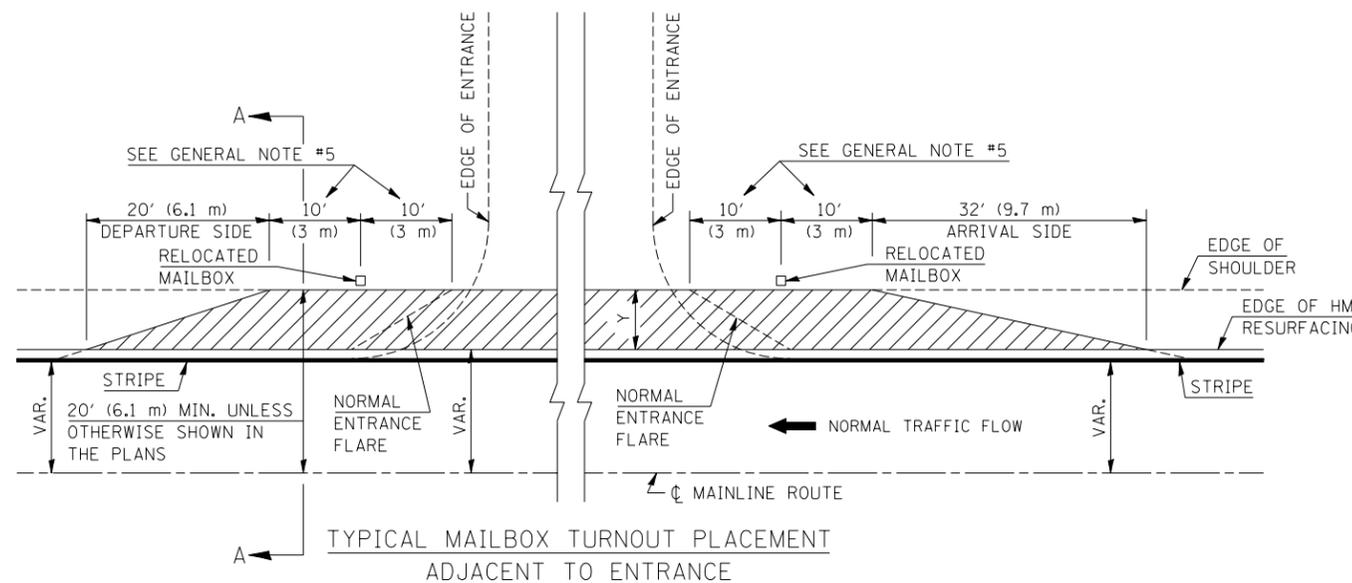
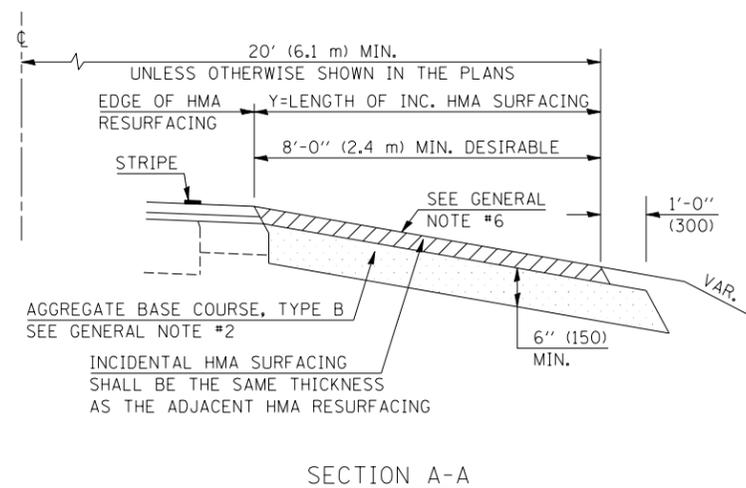
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
5. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
6. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER. MINIMUM 4% (1/2") DESIRABLE; MAXIMUM 8% (1")
7. WHEN MAILBOX TURNOUTS ARE CONSTRUCTED ADJACENT TO FIELD ENTRANCES, THE WIDTH OF THE INCIDENTAL HMA SURFACING CONSTRUCTED FOR THE FIELD ENTRANCE SHALL MATCH THE WIDTH OF THE PROPOSED MAILBOX TURNOUT SURFACING.
8. THE TOTAL SHOULDER WIDTH, 2.4 m (8') MINIMUM, SHALL BE PAVED BETWEEN SIDEROADS ENTRANCES AND/OR MAILBOX TURNOUTS AT LOCATIONS WHERE THE DISTANCE BETWEEN RADIUS OR TAPER CONTROL POINTS IS LESS THAN 15.0 m (50').
9. MAILBOXES SHALL BE MOUNTED SUCH THAT THE FACE OF THE MAILBOX IS 6" (150 mm) TO 12" (300 mm) AND THE POST A MINIMUM OF 24" (600 mm) FROM THE EDGE OF THE TURNOUT SURFACING.

# PROJECTS WITH RECONSTRUCTION

("3R" IMPROVEMENTS)



WIDTH OF SHOULDER	4'-0" - 8'-0" (1.2 m - 2.4 m)	10'-0" (3.0 m)
WIDTH OF TURNOUT "Y"	8'-0" (2.4 m)	8'-0" - 10'-0" (2.4 m - 3.0 m)



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

DESIGNER NOTE: SEE HIGHWAY STANDARD 406201

FILE NAME =	USER NAME = leroyma	DESIGNED -	REVISED - 12/11/06 TJB
ca:\pwwork\pwwork\leryoma\d0175388\d9504698.dgn		DRAWN -	REVISED - 09/21/07 KAG
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

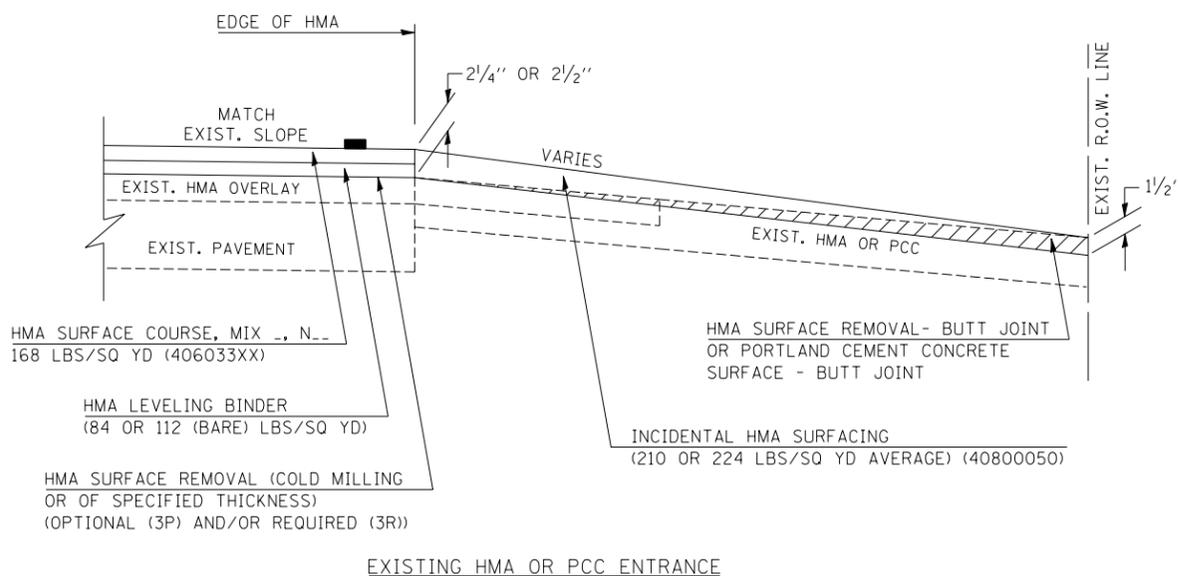
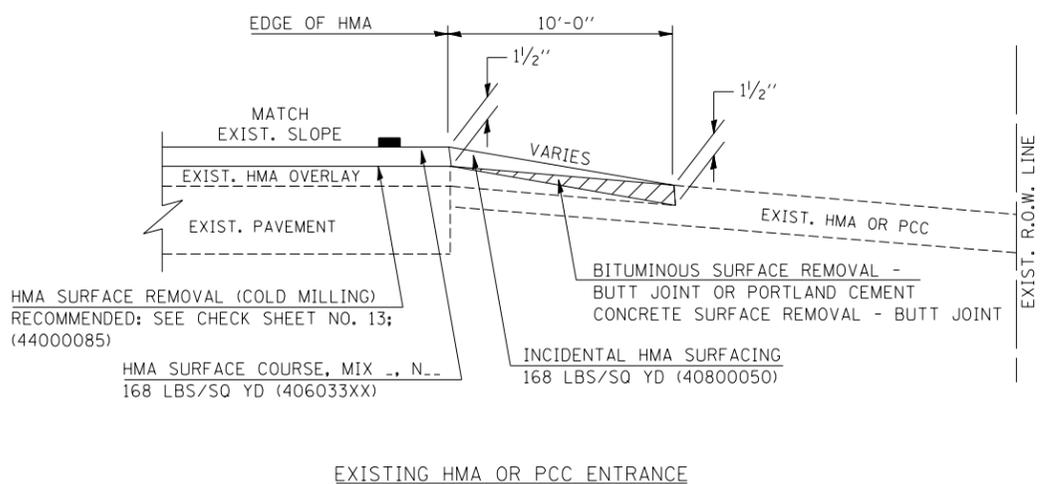
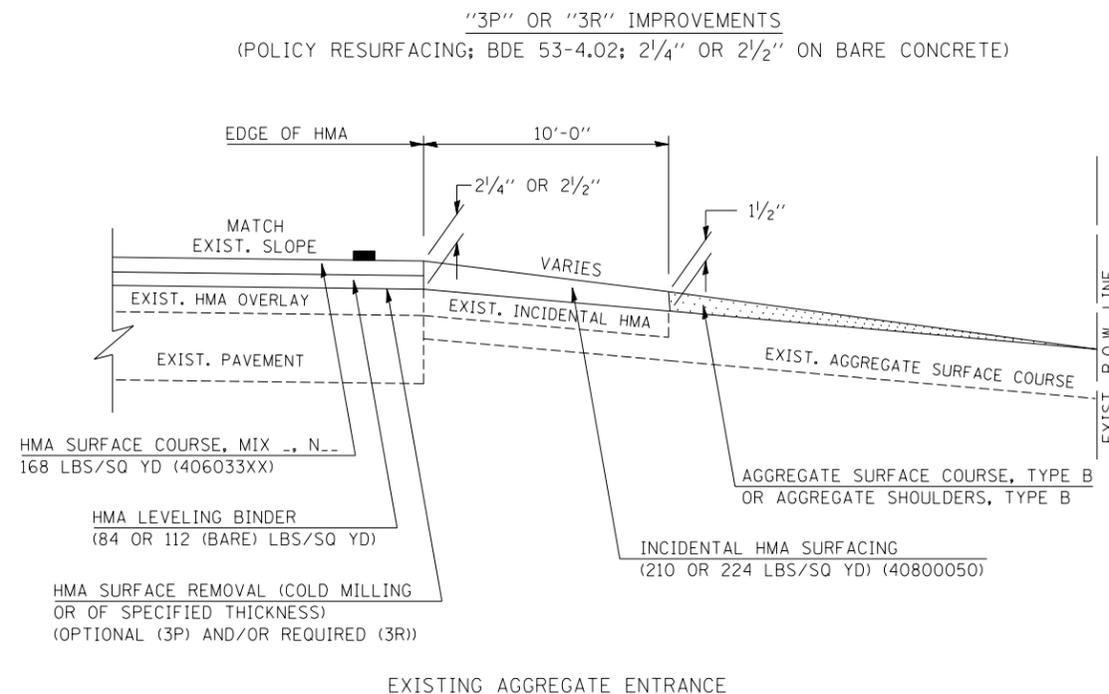
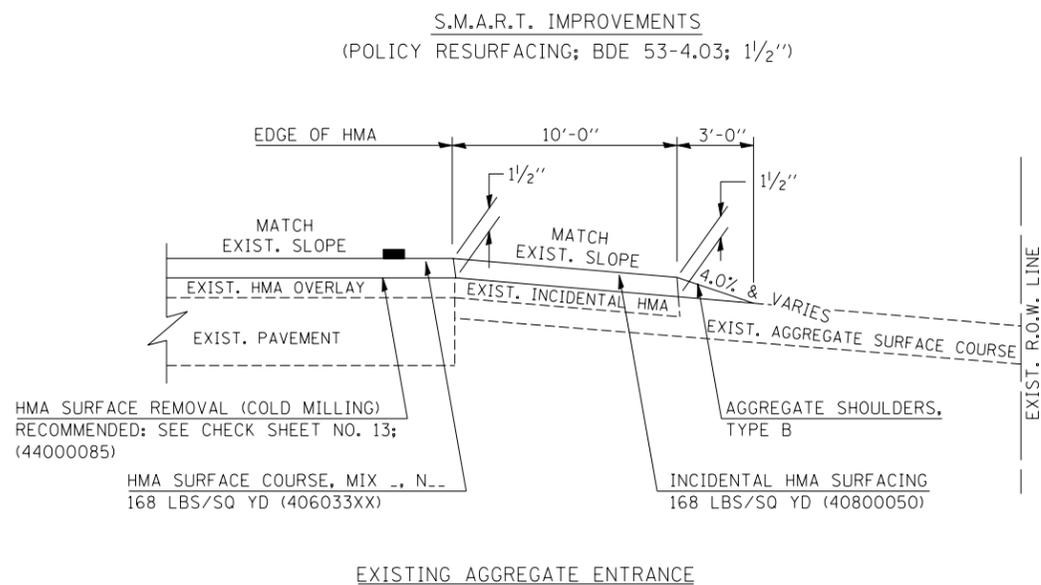
MAILBOX TURNOUT (RURAL)

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

## DISTRICT 5 DETAIL NO. 40800050B

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	19
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 90915	

**PROJECTS WITHOUT RECONSTRUCTION**



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

**DISTRICT 5 DETAIL NO. 40800050C**

FILE NAME =	USER NAME = leroyma	DESIGNED -	REVISED - 12/08/06 TJB
c:\pwork\pwork\leryma\d0175388\d950698.dgn		DRAWN -	REVISED - 09/21/07 KAG
	PLOT SCALE = 40.0251' / IN.	CHECKED -	REVISED - 05/02/08 KJT
	PLOT DATE = 3/8/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PRIVATE AND COMMERCIAL ENTRANCES**  
(NONCOMMERCIAL AND COMMERCIAL RURAL)

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

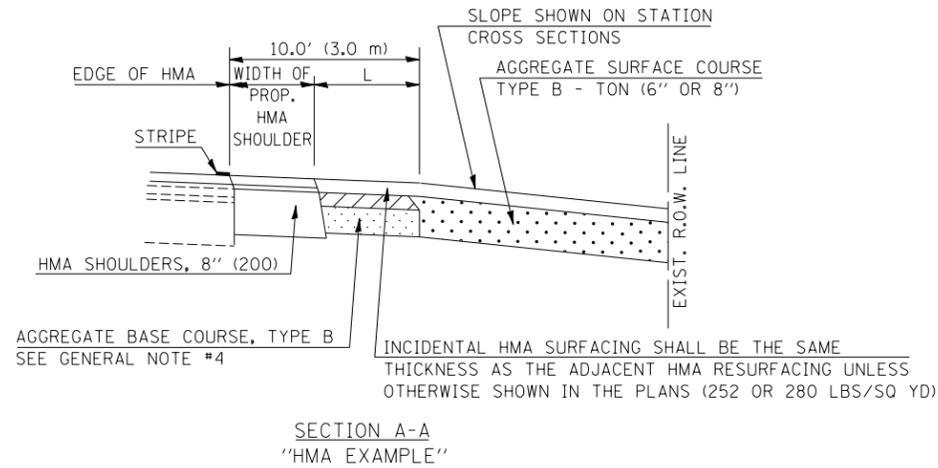
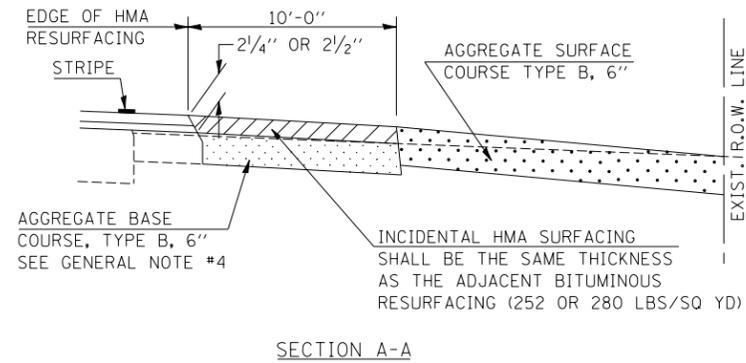
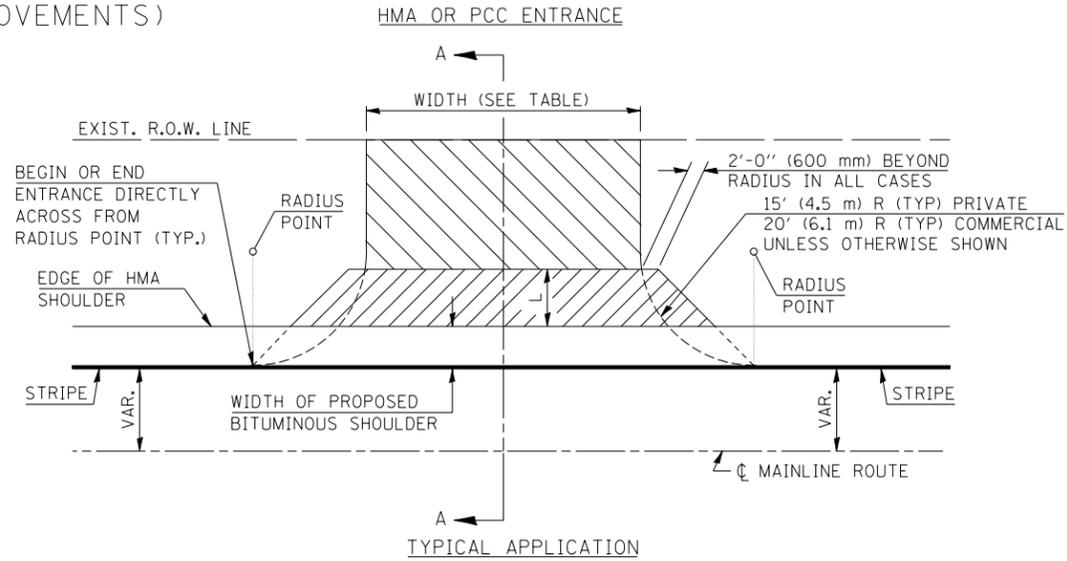
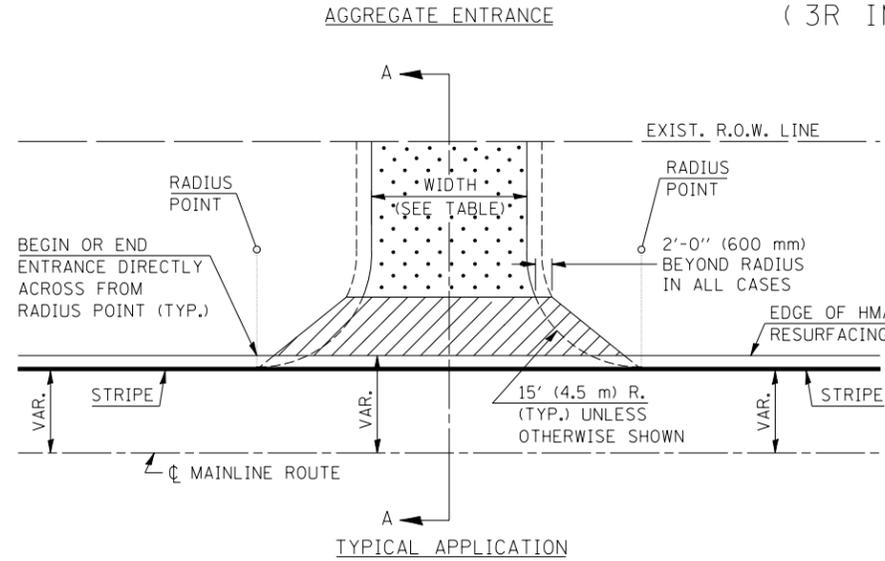
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	20
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 90915	

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-09

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-09

## PROJECTS WITH RECONSTRUCTION

( 3R IMPROVEMENTS )



### GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)															
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM								
	NONCOMMERCIAL						NONCOMMERCIAL								
	PRIVATE & FIELD			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			PRIVATE & FIELD			COMMERCIAL		
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT)	12, 16, 24, 24, 30						1 LANE, 1 WAY			resurface existing configuration; existing hma or pcc entrances shall have "butt joints" constructed; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them					
							14, 16, 24								
RADIUS (FT)	15, 25, 40, 30						2 LANE, 2 WAY			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" for "butt joints" and to minimize aggregate shoulder					
							24, 30, 35								
SHOULDER WIDTH (FT)	2						1			if applicable use Items: Preparation of Base & Aggregate Base Repair; see PPM 30-02					
SHOULDER SLOPE (%)	2						2								
ENTRANCE GRADE (%)	0						0			6 or 8					
SIDE SLOPE (FT)	1:10						1:10			6 or 8					
<b>SURFACE TYPE</b>															
INCIDENTAL HMA SURFACING (INCH)	2						3 or 4								
AGGREGATE SURFACE COURSE, TYPE B (INCH)	6						8								
PCC DRIVEWAY PAVEMENT (INCH)	6									6 or 8					

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

### DISTRICT 5 DETAIL NO. 4080050C

FILE NAME =	USER NAME = leroyma	DESIGNED -	REVISED - 12/08/06 TJB
		DRAWN -	REVISED - 09/21/07 KAG
		CHECKED -	REVISED - 05/02/08 KJT
		DATE -	REVISED -

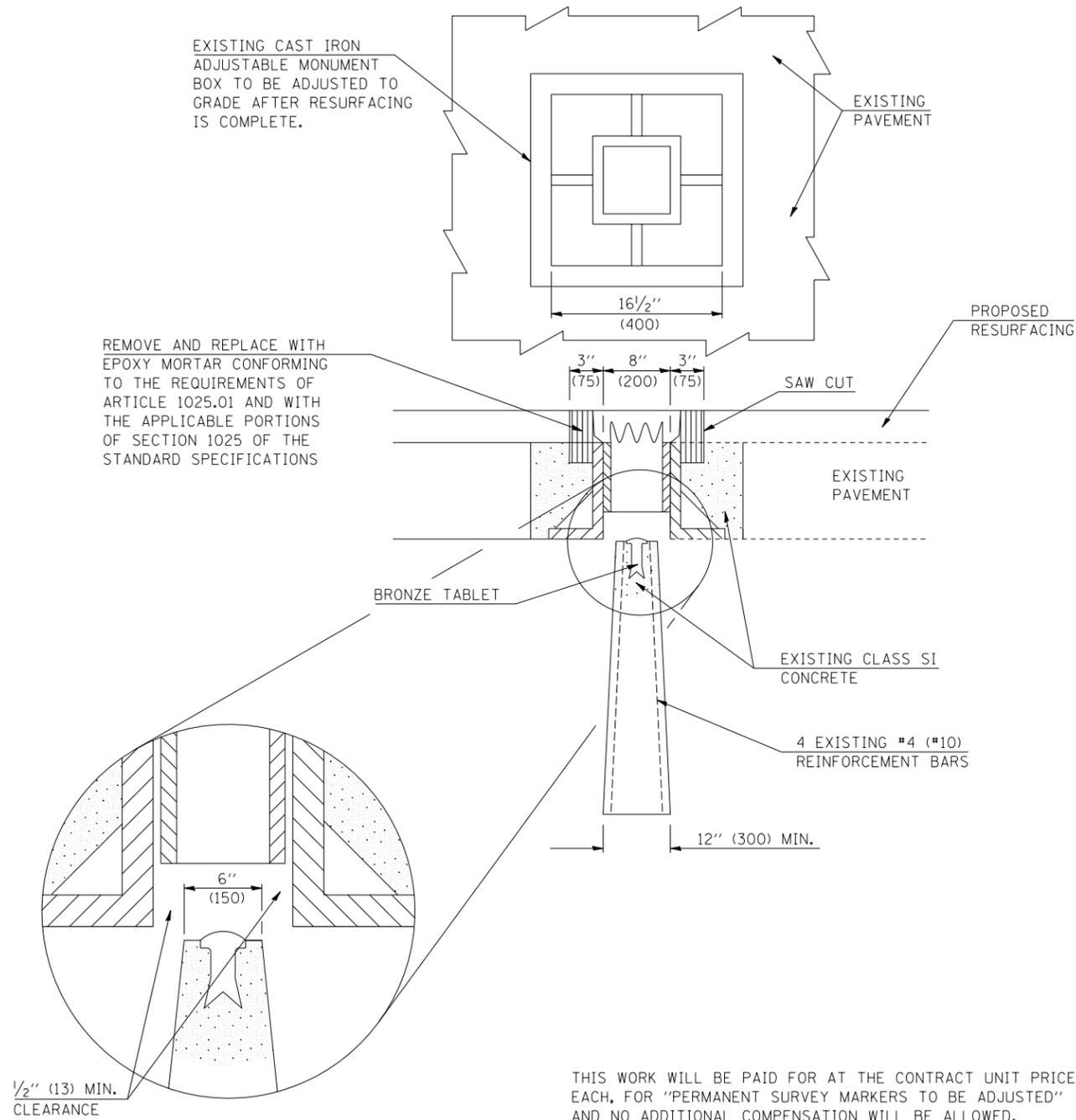
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PRIVATE AND COMMERCIAL ENTRANCES</b> (NONCOMMERCIAL AND COMMERCIAL RURAL)			
SCALE: NA	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	21
CONTRACT NO. 90915				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

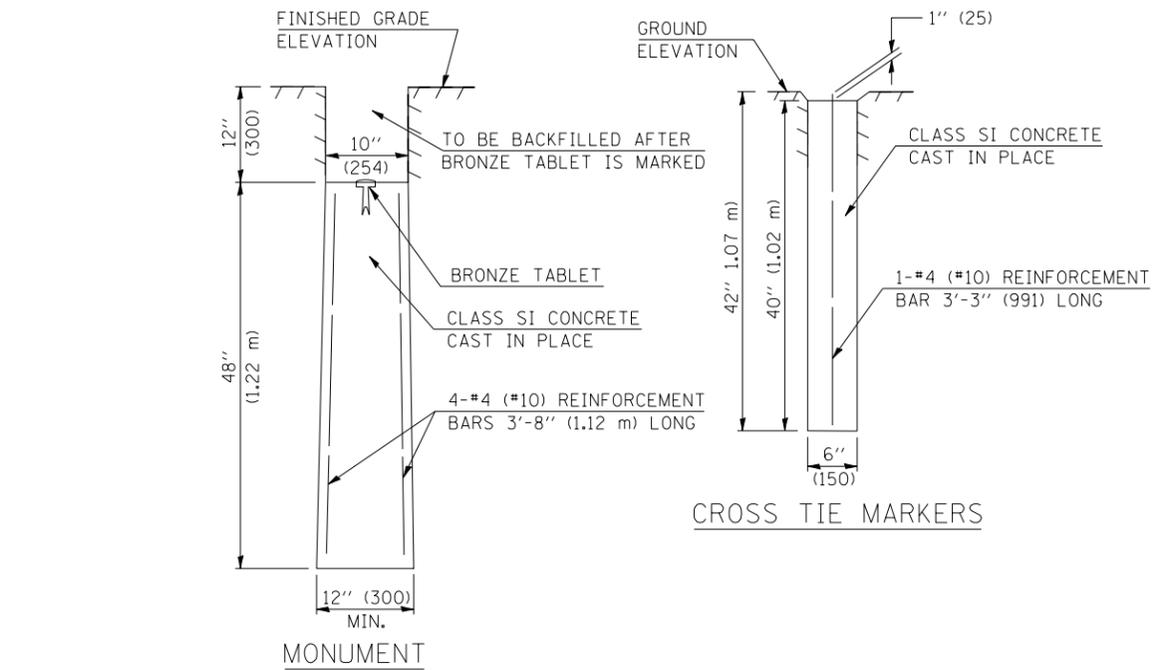
# 66700110 – PERMANENT SURVEY MARKERS TO BE ADJUSTED

TO BE INSTALLED FOR PRESERVING EXISTING CAST IRON PERMANENT SURVEY MARKERS, TYPE III

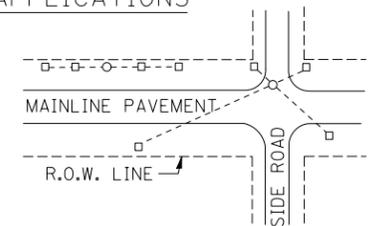


# 66700505 – PERMANENT SURVEY MARKERS, TYPE IV

TO BE INSTALLED IN PAVEMENT OR TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS) UNDER DIRECTION OF THE CHIEF OF SURVEYS



## TYPICAL APPLICATIONS

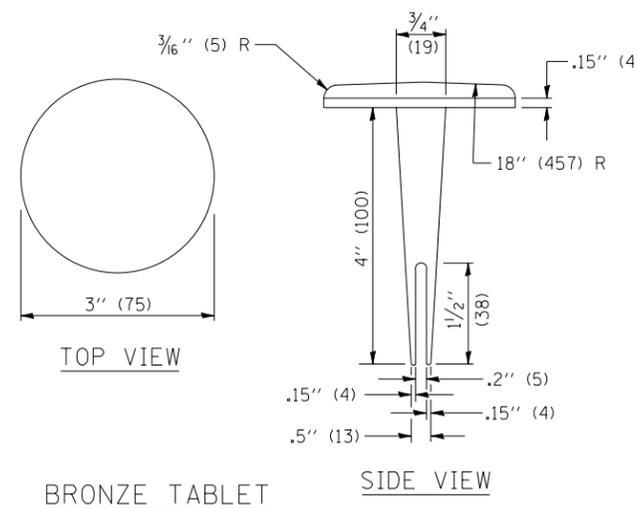


## SYMBOLS

- CROSS TIE MARKER
- MONUMENT

**NOTE:**  
THE CONTRACT UNIT PRICE FOR PERMANENT SURVEY MARKERS, TYPE IV, WILL BE PAYMENT IN FULL FOR FURNISHING, INSTALLING, AND PERMANENTLY MARKING ONE MONUMENT AND FURNISHING AND INSTALLING FOUR CROSS TIE MARKERS AT THE LOCATIONS SPECIFIED. THE DESIGN CHIEF OF SURVEYS MUST BE CONTACTED FOR SUPERVISION OF THE PLACEMENT AND CONSTRUCTION OF THESE ITEMS.

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



FILE NAME =	USER NAME = leroyma	DESIGNED -	REVISED - 11/06
c:\pwwork\pwwid\l\eroyma\d0175388\d9504698.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0251' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/8/2010	DATE -	REVISED -

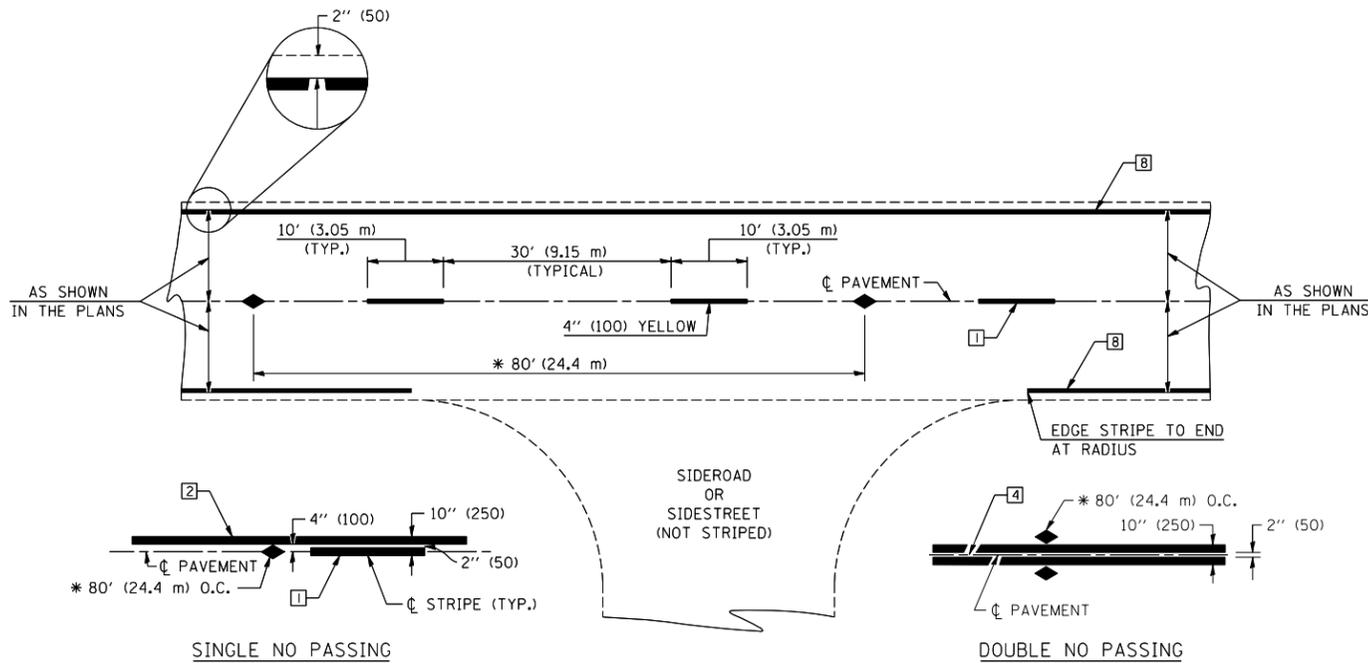
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PERMANENT SURVEY MARKERS (TYPE IV AND ADJUSTED)**

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

**DISTRICT 5 DETAIL NO. 66700AAA**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	22
FED. ROAD DIST. NO.			CONTRACT NO. 90915	
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.

**TWO LANE/TWO WAY**

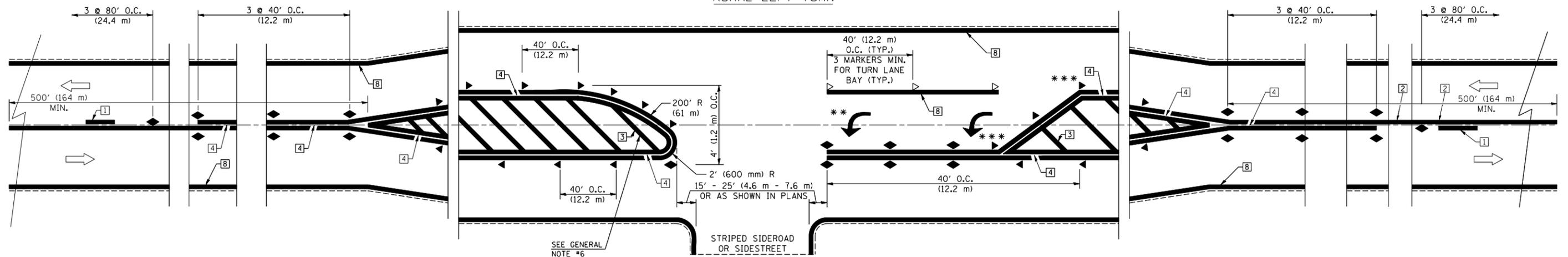
**TYPICAL PAVEMENT MARKING LEGEND**

- 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 4" (100) 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) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

**TYPICAL PAVEMENT MARKERS LEGEND**

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

**RURAL LEFT TURN**



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

\*\* TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

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

FILE NAME =	USER NAME = leroyma	DESIGNED -	REVISED - 11/06
c:\pwork\pwork\dot\leryoma\d0175388\d950698.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0251' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/8/2010	DATE -	REVISED -

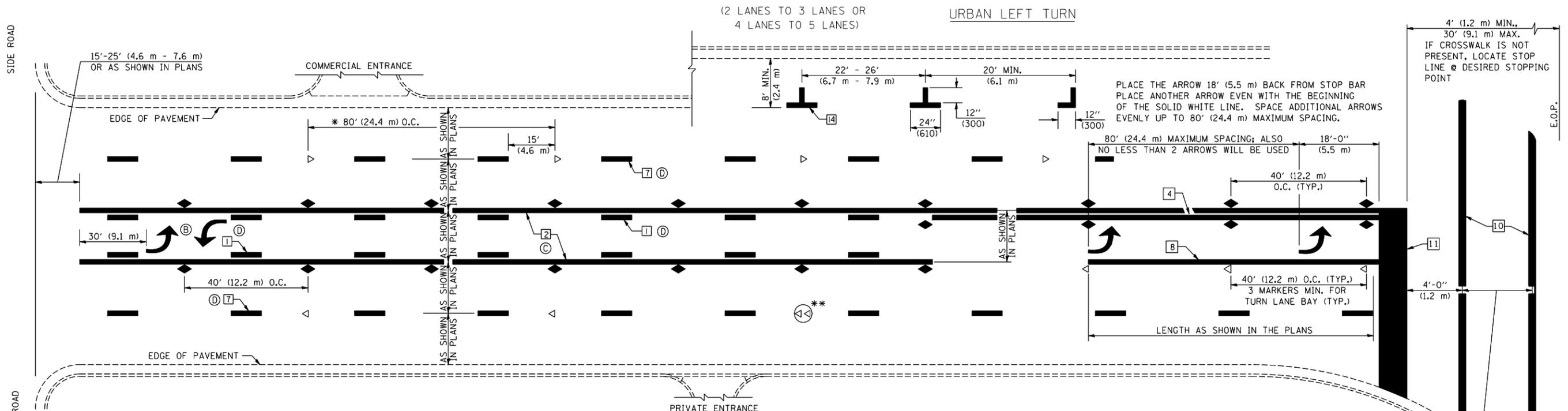
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

**DISTRICT 5 DETAIL NO. 7800AAA**

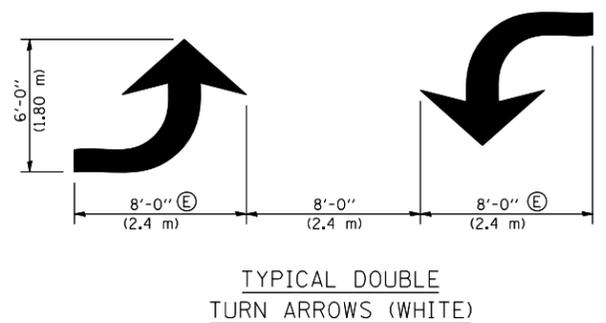
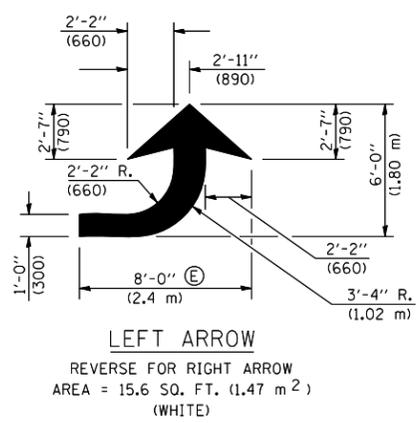
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	23
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 90915	



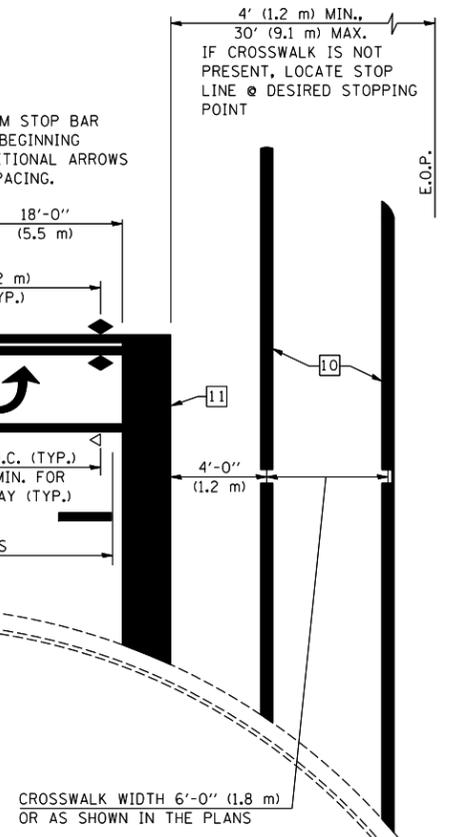
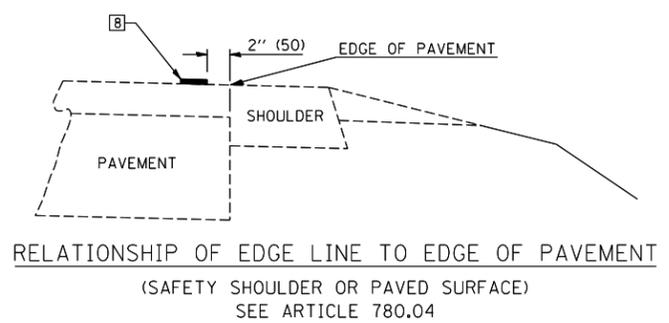
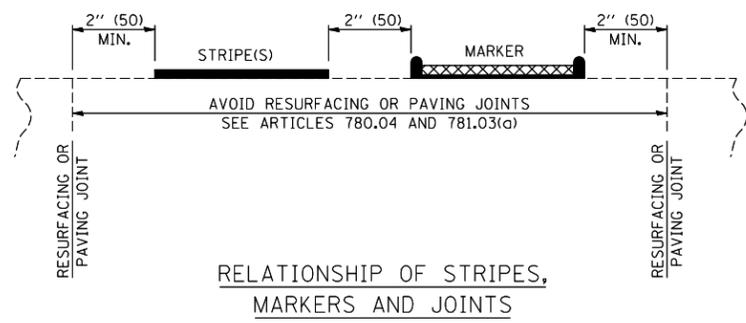
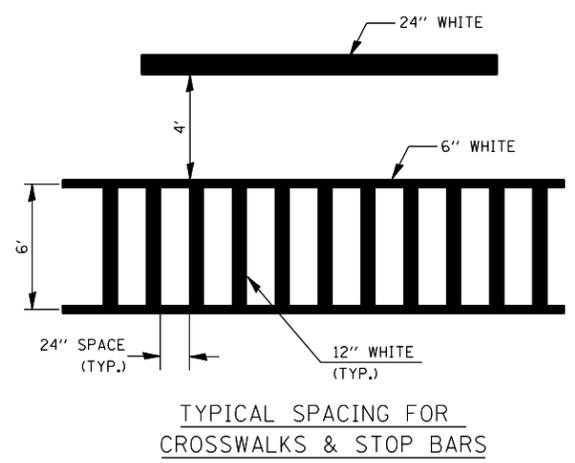
\* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

- GENERAL NOTES:**
- (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.
  - (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. SEE EXAMPLE ON SHEET 2 OF 3.
  - (E) USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



**BLOOMINGTON-NORMAL CITY LIMITS ONLY**



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

**DISTRICT 5 DETAIL NO. 7800AAA**

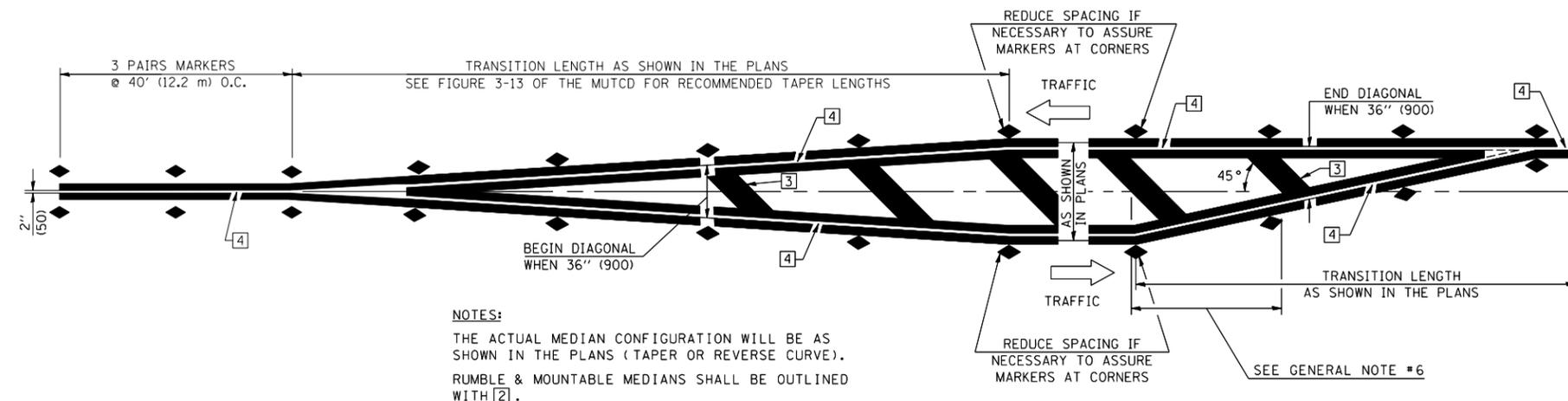
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	PLOT SCALE = 40.0251" / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/8/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90915	

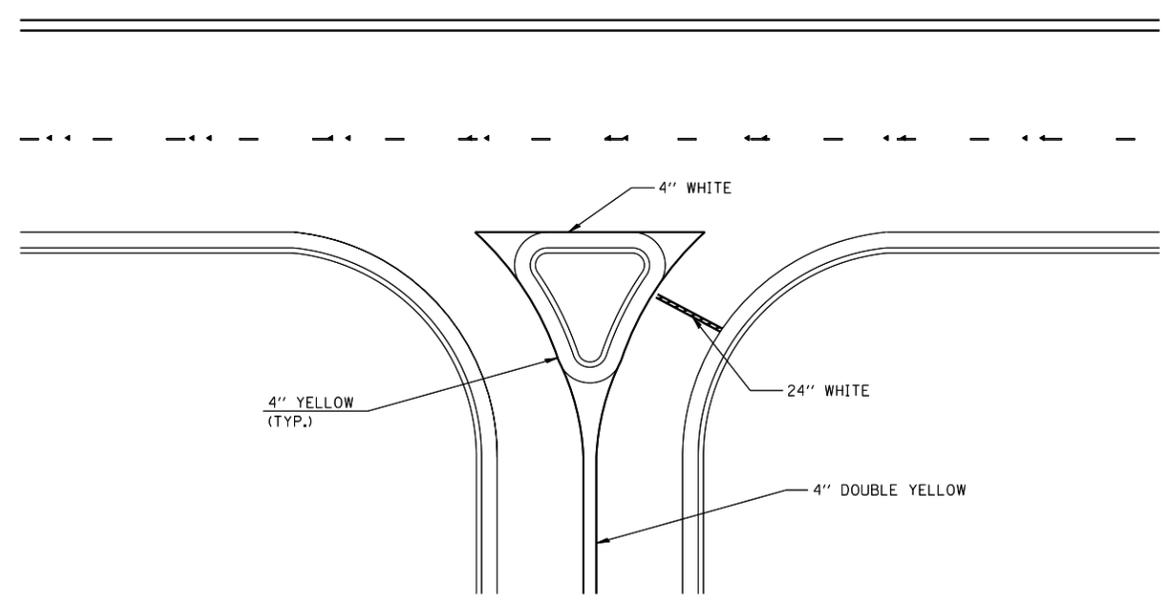


**NOTES:**  
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).  
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

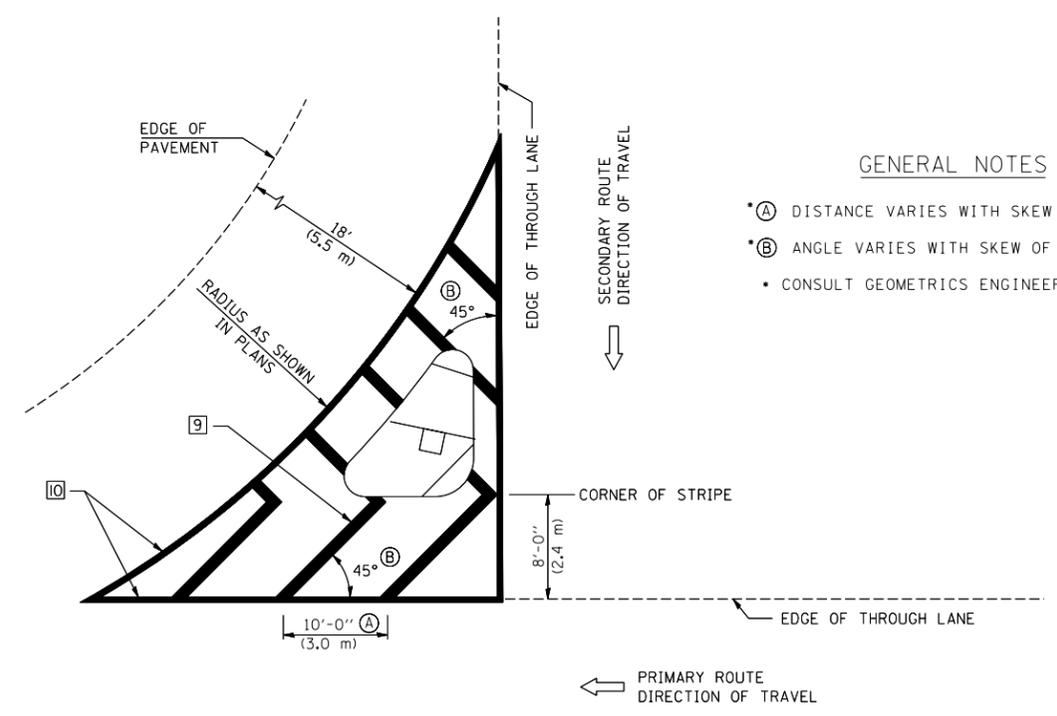
TYPICAL MEDIAN TRANSITIONS

**GENERAL NOTES**

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
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. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,  
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)  
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)  
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



**GENERAL NOTES**

- (A) DISTANCE VARIES WITH SKEW OF INTERSECTION.
- (B) ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

ISLAND

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

FILE NAME =	USER NAME = leroyma	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 40.0251' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/8/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

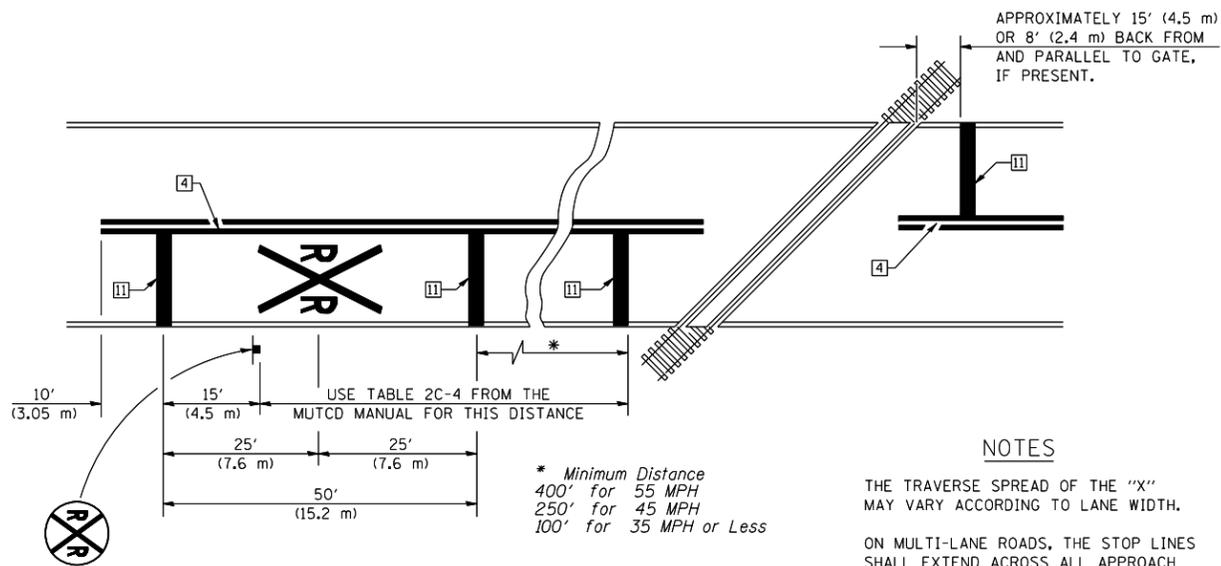
SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

**DISTRICT 5 DETAIL NO. 7800AAA**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	25
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90915	

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

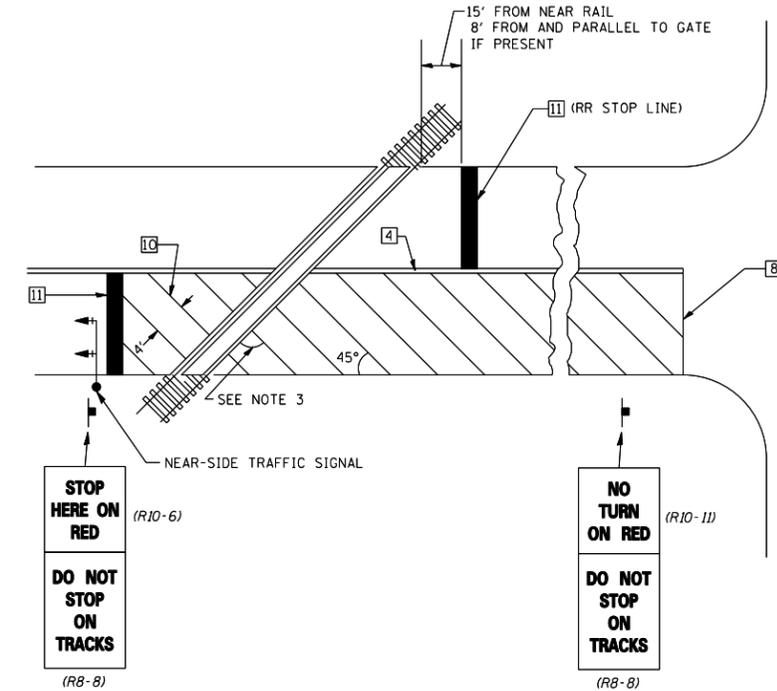
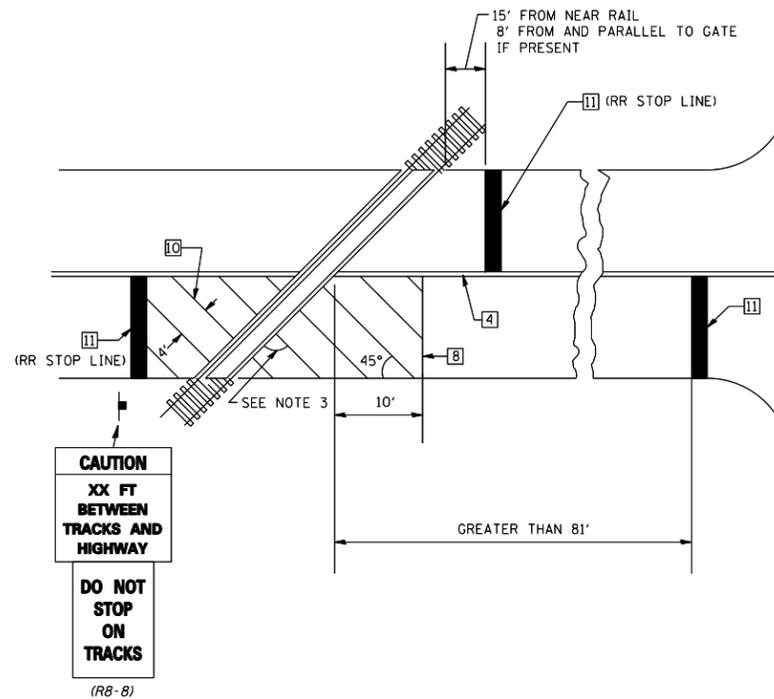
APPROXIMATELY 15' (4.5 m) OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.

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.

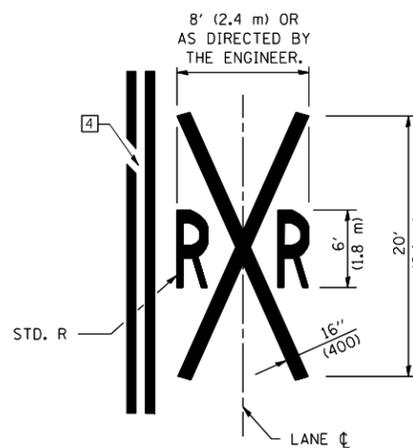
\* Minimum Distance  
400' for 55 MPH  
250' for 45 MPH  
100' for 35 MPH or Less



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

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.



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

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	PLOT DATE = 3/8/2010	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

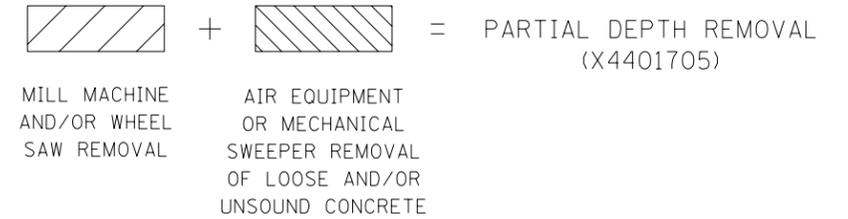
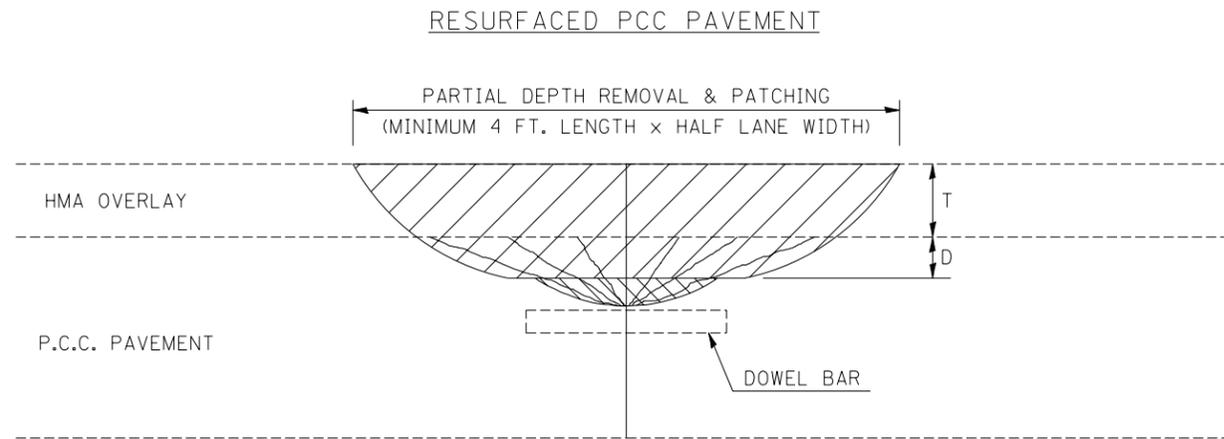
PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)

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

DISTRICT 5 DETAIL NO. 7800AAAA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	26
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90915	

DESIGNER NOTE: THIS DISTRICT 5 DETAIL SHOULD BE USED WITH RECURRING SPECIAL PROVISION CHECK SHEET #15 AND SHALL ALSO APPLY TO PREVIOUSLY RESURFACED PCC PAVEMENT.



DESIGN NOTES

PARTIAL DEPTH HMA PATCHING SHALL NOT BE USED WHEN HMA OVERLAY THICKNESS (T) ON PCC PAVEMENT EXCEEDS 4 3/4 INCHES (121 mm) OR ON CRC PAVEMENT.

GENERAL NOTES

ALL VOLUME OF PARTIAL DEPTH REMOVAL SHALL BE REPLACED WITH HOT-MIX ASPHALT (HMA) AND PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR PARTIAL DEPTH PATCHING.

T = THICKNESS OF HMA OVERLAY(S). SEE EXISTING TYPICAL CROSS SECTION.

GENERAL NOTE 406H SHALL INCLUDE MIXTURE REQUIREMENTS FOR PARTIAL DEPTH PATCHING.

HMA REPLACEMENT IN RESURFACED PCC PAVEMENT LOCATIONS SHALL BE ACCORDING TO SECTION 406 OF THE STANDARD SPECIFICATIONS.

D = DEPTH OF PARTIAL DEPTH REMOVAL INTO EXISTING PCC PAVEMENT. (3" (75 mm) ± OR TO SOUND CONCRETE)

TRANSVERSE CONTRACTION JOINT SHOWN - OTHER LOCATIONS SIMILAR.

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

FILE NAME =	USER NAME = leroyma	DESIGNED -	REVISED - 11/06
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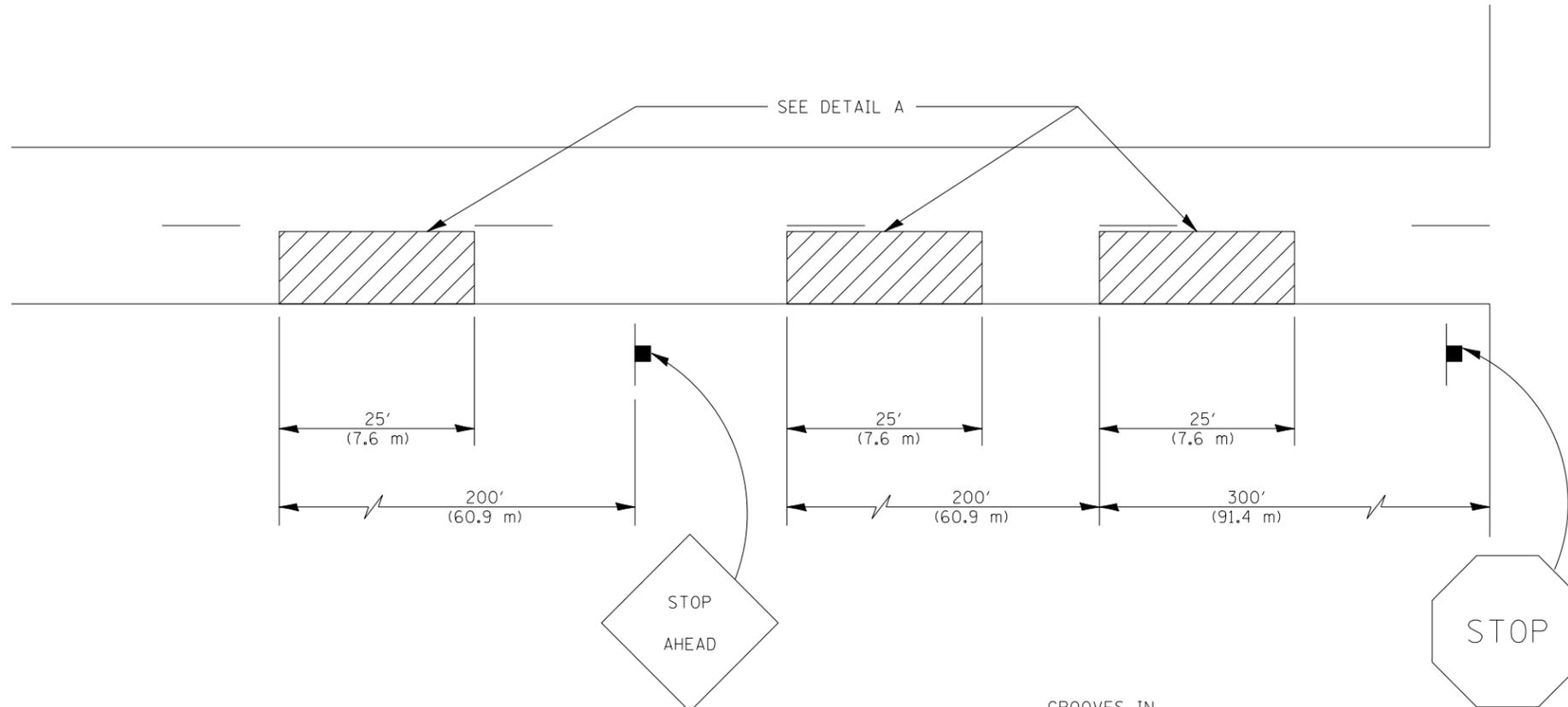
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PCC PARTIAL DEPTH HOT-MIX ASPHALT PATCHING**

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

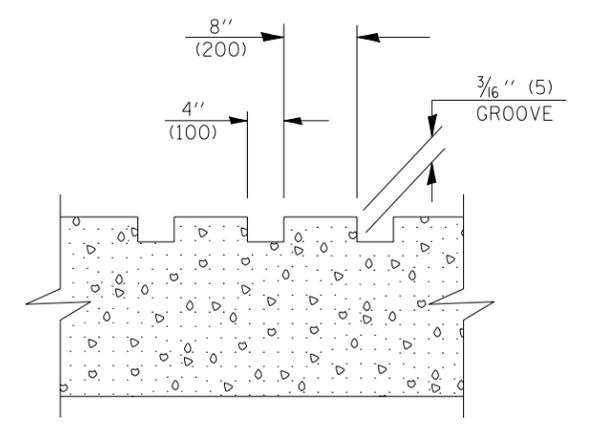
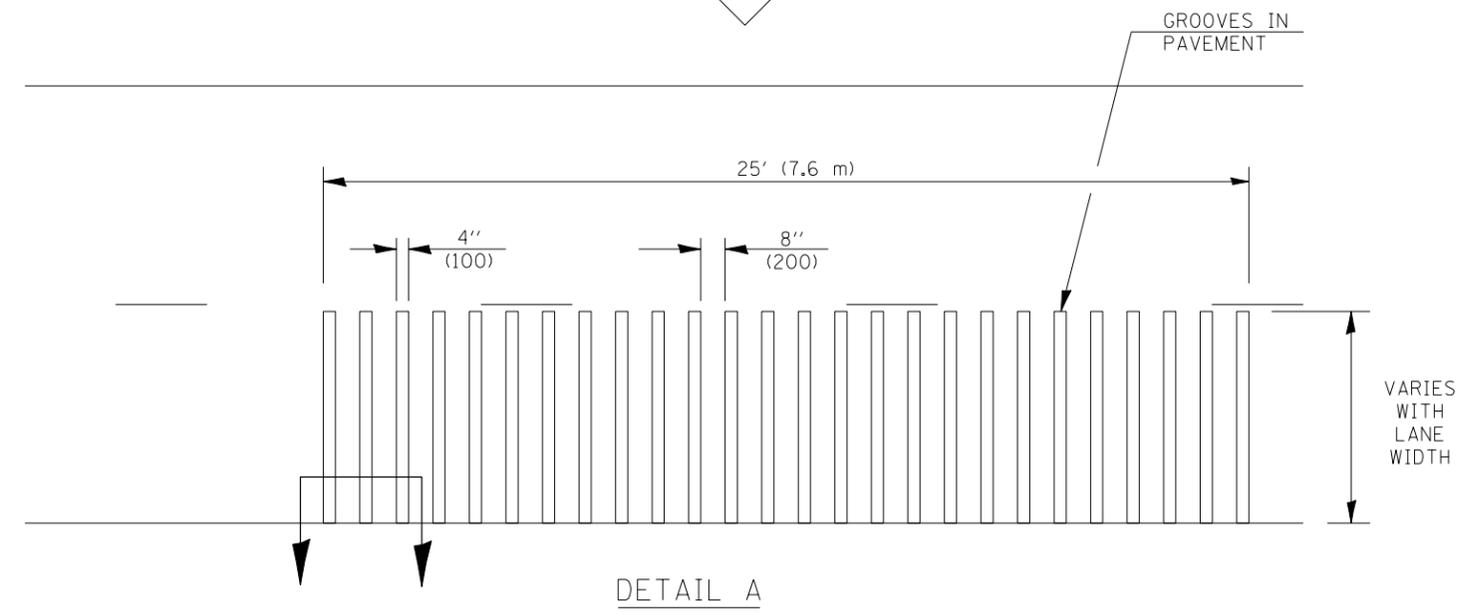
**DISTRICT 5 DETAIL NO. XX442100**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90915	



**GENERAL NOTES**

1. ALL GROOVES SHALL BE CONSTRUCTED USING A 4" (100 mm) MILLING HEAD OR SERIES OF 4" (100 mm) MILLING HEADS CAPABLE OF CUTTING TO THE SPECIFIED DEPTH OR ANY VARIABLE DEPTH.
2. THIS WORK WILL BE MEASURED FOR PAYMENT PER EACH 25' (7.6 m) INDIVIDUAL RUMBLE STRIP APPLIED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RUMBLE STRIP, WHICH PRICE SHALL INCLUDE ALL EQUIPMENT, MATERIAL, LABOR AND OTHER ITEMS REQUIRED TO INSTALL EACH INDIVIDUAL RUMBLE STRIP.



**SECTION A-A**

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

FILE NAME =	USER NAME = leroyma	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 40.0251' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/8/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>RUMBLE STRIP (ADVANCE OF INTERSECTIONS)</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

<b>DISTRICT 5 DETAIL NO. Z0055300</b>				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
812	(25,24)RS-1	PIATT	28	28
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 90915	