

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513		CHAMP/PIATT	40	1
		ILLINOIS	CONTRACT NO. 70841	

5RS-3

D95-048-10

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

STRUCTURES
S.N. 010-0275: OMISSION
S.N. 010-8602: RESURFACING
S.N. 010-8333: RESURFACING
S.N. 010-8112: RESURFACING
S.N. 010-8330: RESURFACING
S.N. 010-8135: RESURFACING

DESIGN DESIGNATION
N/A

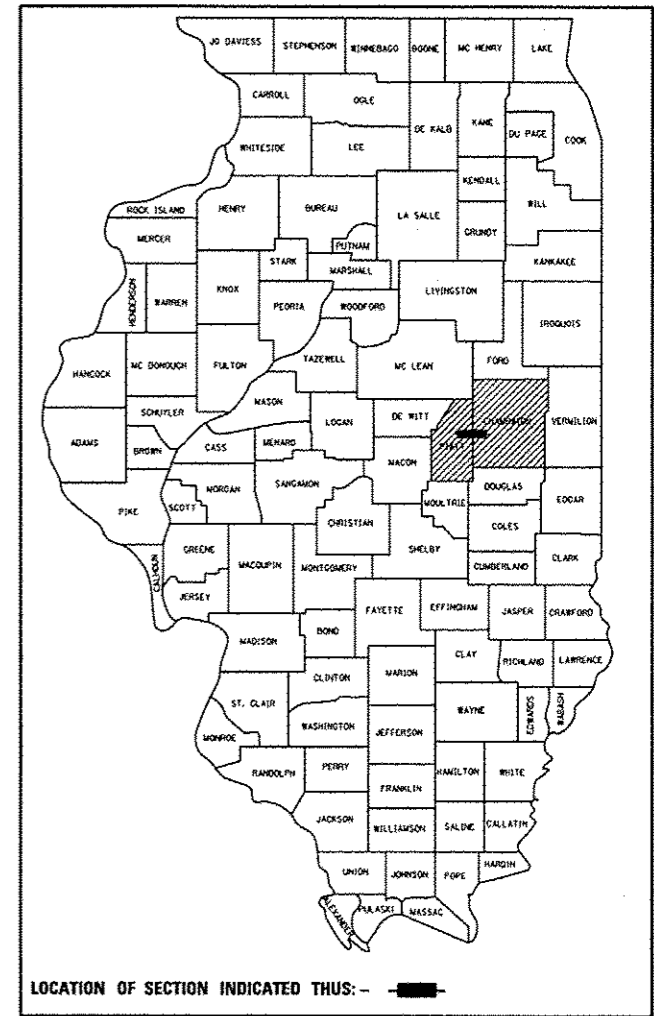
**PROPOSED
HIGHWAY PLANS**

FAS ROUTE 1513 (IL 10)
SECTION 5RS-3

RESURFACING INTERMITTENT PATCHING
CHAMPAIGN / PIATT COUNTY

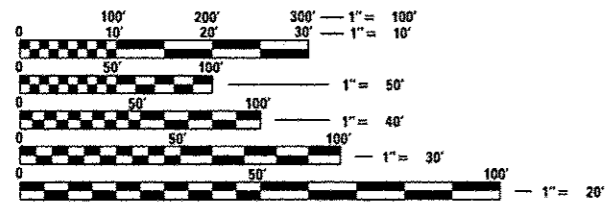
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I-72 TO BONDVILLE



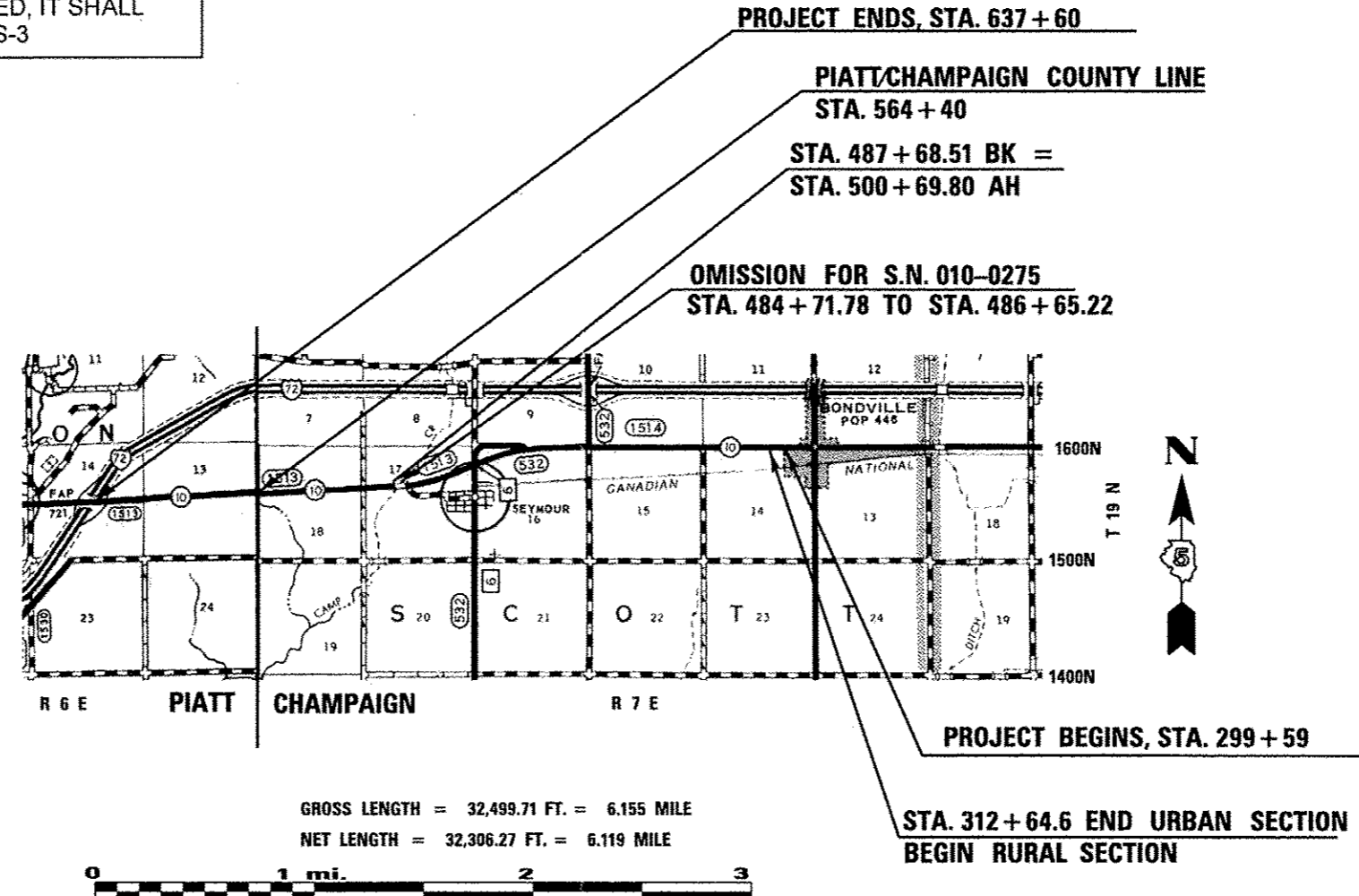
WHEREVER IN THESE PLANS
SECTION D5 PATCH & RESURF
2014-7 IS MENTIONED, IT SHALL
MEAN SECTION 5RS-3

CURRENT ADT: (2014)
3,150



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 JASON STULTS 217-466-7364
PROJECT MANAGER MICHAEL LEROY 217-466-7228

CONTRACT NO. 70841

GROSS LENGTH = 32,499.71 FT. = 6.155 MILE
NET LENGTH = 32,306.27 FT. = 6.119 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 15, 2014
John D. Baranzelli, PE
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 27, 2014
John D. Baranzelli, PE
ENGINEER OF DESIGN AND ENVIRONMENT

June 27, 2014
Omer Osman, PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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39	PCC PARTIAL DEPTH HOT-MIX ASPHALT PATCHING
40	SURVEY MONUMENT COVER ASSEMBLY

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS, DAY ONLY, FOR SPEEDS \geq 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701901-03	TRAFFIC CONTROL DEVICES
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

• D5 PATCH & RES 2014-7

FILE NAME #	USER NAME # ceerlockjd	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND HIGHWAY STANDARDS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01\pwr_work\pwr\dot\ceerlockjd\020517010970841-ehgnotes.dgn	DRAWN - _____	REVISED - _____	1513				CHAMP/PIATT	40	2	
PLOT SCALE = 48.0000" / in.	CHECKED - _____	REVISED - _____	CONTRACT NO. 70841							
PLOT DATE = 5/15/2014	DATE - _____	REVISED - _____	ILLINOIS FED. AID PROJECT							
						SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____				

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.-100A

ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-105.09A

ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-1004.01

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

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 HOT-MIX ASPHALT 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	IL 10	IL 10	IL 10
Mixture Use	Surface, Incidental & SHOULDERS	Fine Graded Level Binder	Class D & P.D. Patch
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (Max)	15	25	25
Design Air Voids	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 9.5	IL 9.5 FG	IL 19.0
Friction Aggregate	Mix C	Mix C	N.A.

G.N. - 406K

THERE ARE VARIOUS PAY ITEMS IN THIS CONTRACT THAT INCLUDE THE USE OF HOT-MIX ASPHALT. UNLESS OTHERWISE LISTED BELOW THE HOT-MIX ASPHALT USED IN THE PAY ITEMS SHALL BE CONTROLLED AND ACCEPTED IN ACCORDANCE WITH ARTICLE 1030.05 "QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)" OF THE STANDARD SPECIFICATIONS

PAY CODE	ITEM DESCRIPTION	CONTROL AND ACCEPTANCE METHOD
40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	QCP
40603310	HOT MIX ASPHALT, SURFACE COURSE, MIX "C" N50	QCP

PFPP - HOT MIX ASPHALT PAY FOR PERFORMANCE USING PERCENT WITHIN LIMITS

QCP - HOT MIX ASPHALT QUALITY CONTROL FOR PERFORMANCE

QCAA - HOT MIX ASPHALT - ASSURANCE AND ACCEPTANCE

G.N.-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 POUND FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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.-482

ALL MATERIAL PLACED AS HOT-MIX ASPHALT SHOULDERS SHALL BE COMPACTED TO 94.0 - 98.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY. THIS REQUIREMENT SHALL APPLY TO IL 9.5L GRADATION SHOULDER MIXES AND OTHER MIXES (BOTTOM LIFT OF SHOULDERS). THIS MAXIMUM DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE OF FOUR TESTS AS IN OTHER QC/QA TESTING. A NUCLEAR GAUGE DENSITY/CORE CORRELATION SHALL BE PERFORMED FOR THE IL 9.5L MIXES AND OTHER MIXES USING STANDARD CORRELATION PROCEDURES.

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 LAYOUT OF 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 DISCREPANCY 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 (9m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

NO COMMITMENTS

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\p\work\p\dat\ceerlockjd\0285178\0	70841-sht-gennotes.dgn	DRAWN -	REVISED -			1513	*	CHAMP/PIATT	40	3	
PLOT SCALE = 40.0000 "/in.	CHECKED -	REVISED -				CONTRACT NO. 70841					
PLOT DATE = 5/15/2014	DATE -	REVISED -				ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

LOCATION:

FUNDING BREAKOUT

CONSTRUCTION CODE:

FAP 1513 (IL 10)
STATION 299+59 TO
STATION 312+64.60
URBAN TWO-LANE
CHAMPAIGN
COUNTY

FAP 1513 (IL 10)
STATION 312+64.60
STATION 564+40.45
RURAL TWO-LANE
CHAMPAIGN
COUNTY

FAP 1513 (IL 10)
STATION 564+40.45 TO
STATION 637+60
RURAL TWO-LANE
PIATT
COUNTY

100% STATE

100% STATE

100% STATE

0005
07A0M

0005
07A0B

0005
07A0B

PAY ITEM CODE	PAY ITEM	UNIT	TOTAL	QTY	QTY	QTY
40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FC, N50	TON	3,904.0	146.0	2,889.0	869.0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	594.0	80.0	134.0	380.0
40600990	TEMPORARY RAMP	SQ YD	436.0	27.0	347.0	62.0
40603310	HOT MIX ASPHALT, SURFACE COURSE, MIX "C" N50	TON	7,543.0	293.0	5,512.0	1,738.0
40800050	INCIDENTAL HOT MIX ASPHALT SURFACING	TON	520.0	11.0	438.0	71.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	69,473.0	0.0	48,784.0	20,689.0
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	22.0	0.0	0.0	22.0
48102100	AGGREGATE WEDGE SHOULDERS, TYPE B	TON	2,292.0	136	1,759.00	397
48203100	HOT-MIX ASPHALT SHOULDERS	TON	288.0	0	171.00	117
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3.0	1.0	1.0	1.0
67100100	MOBILIZATION	L SUM	1.0	0.0	0.7	0.3
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	0.0	0.7	0.3
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	0.0	0.7	0.3
70300100	SHORT TERM PAVEMENT MARKING	FOOT	9,588.0	404.0	6,976.0	2,208.0

* SPECIALTY ITEMS

* D5 PATCH & RES 2014-7

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 48,0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 70841							
PLOT DATE = 5/15/2014	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

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

SUMMARY OF QUANTITIES

LOCATION:

FUNDING BREAKOUT

CONSTRUCTION CODE:

FAP 1513 (IL 10)
STATION 299+59 TO
STATION 312+64.60
URBAN TWO-LANE
CHAMPAIGN
COUNTY

FAP 1513 (IL 10)
STATION 312+64.60
STATION 564+40.45
RURAL TWO-LANE
CHAMPAIGN
COUNTY

FAP 1513 (IL 10)
STATION 564+40.45 TO
STATION 637+60
RURAL TWO-LANE
PIATT
COUNTY

100% STATE

100% STATE

100% STATE

0005

0005

0005

PAY ITEM CODE	PAY ITEM	UNIT	TOTAL	QTY	QTY	QTY
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	156.0	0.0	156.0	0.0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	90,079.0	2,948.0	64,509.0	22,622.0
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	132.0	0.0	0.0	132.0
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	324.0	0.0	245.0	79.0
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	252.0	0.0	224.0	28.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3,237.0	135.0	2,366.0	736.0
78001110	PAINT PAVEMENT MARKING, LINE 4"	FOOT	78,549.0	2,948.0	52,979.0	22,622.0
78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	156.0	0.0	156.0	0.0
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	11,530.0	0.0	11,530.0	0.0
78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	132.0	0.0	0.0	132.0
78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	324.0	0.0	245.0	79.0
78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	252.0	0.0	224.0	28.0
78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	500.0	18.0	397.0	85.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	500.0	18.0	397.0	85.0

* SPECIALTY ITEMS

* D5 PATCH & RES 2014-7

FILE NAME #	USER NAME s oerlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 48,0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 70841										
PLOT DATE = 5/15/2014	DATE -	REVISED -	ILLINOIS FED. AID PROJECT										

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

SUMMARY OF QUANTITIES

LOCATION:

FUNDING BREAKOUT

CONSTRUCTION CODE:

FAP 1513 (IL 10)
STATION 299+59 TO
STATION 312+64.60
URBAN TWO-LANE
CHAMPAIGN
COUNTY

100% STATE
0005

FAP 1513 (IL 10)
STATION 312+64.60
STATION 564+40.45
RURAL TWO-LANE
CHAMPAIGN
COUNTY

100% STATE
0005

FAP 1513 (IL 10)
STATION 564+40.45 TO
STATION 637+60
RURAL TWO-LANE
PIATT
COUNTY

100% STATE
0005

PAY ITEM CODE	PAY ITEM	UNIT	TOTAL	QTY	QTY	QTY
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	63,269.0	2,423.0	46,427.0	14,419.0
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	4,957.0	108.0	4,176.0	673.0
X4406260	PARTIAL DEPTH REMOVAL, TYPE II, 6"	SQ YD	1,171.0	0.0	963.0	208.0
X4421000	PARTIAL DEPTH PATCHING	TON	394.0	0.0	324.0	70.0
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	11,530.0	0.0	11,530.0	0.0
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	132.0	0.0	0.0	132.0
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	324.0	0.0	245.0	79.0
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	252.0	0.0	224.0	28.0
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	4.0	0.0	4.0	0.0

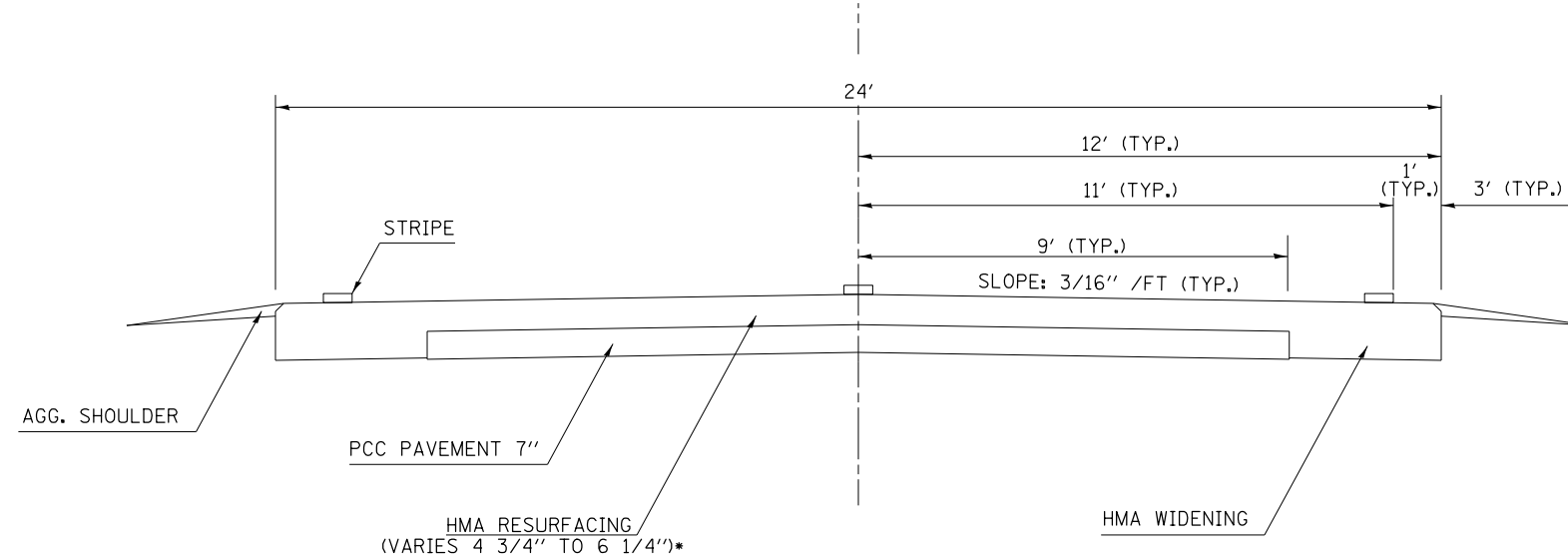
* SPECIALTY ITEMS

* D5 PATCH & RES 2014-7

FILE NAME =	USER NAME = eearlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.S. RTE. 1513	SECTION *	COUNTY CHAMP/PIATT	TOTAL SHEETS 40	SHEET NO. 6			
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	PLOT SCALE = 48,0000' / in.	CHECKED -	REVISED -											
	PLOT DATE = 5/15/2014	DATE -	REVISED -											

EXISTING TYPICAL SECTION ①

STATION	TO	STATION
299+59		LT. 390+50 ②
299+59		RT. 388+50 ②
② 395+50		404+34 ③
⑦ 506+63.8		637+60.00

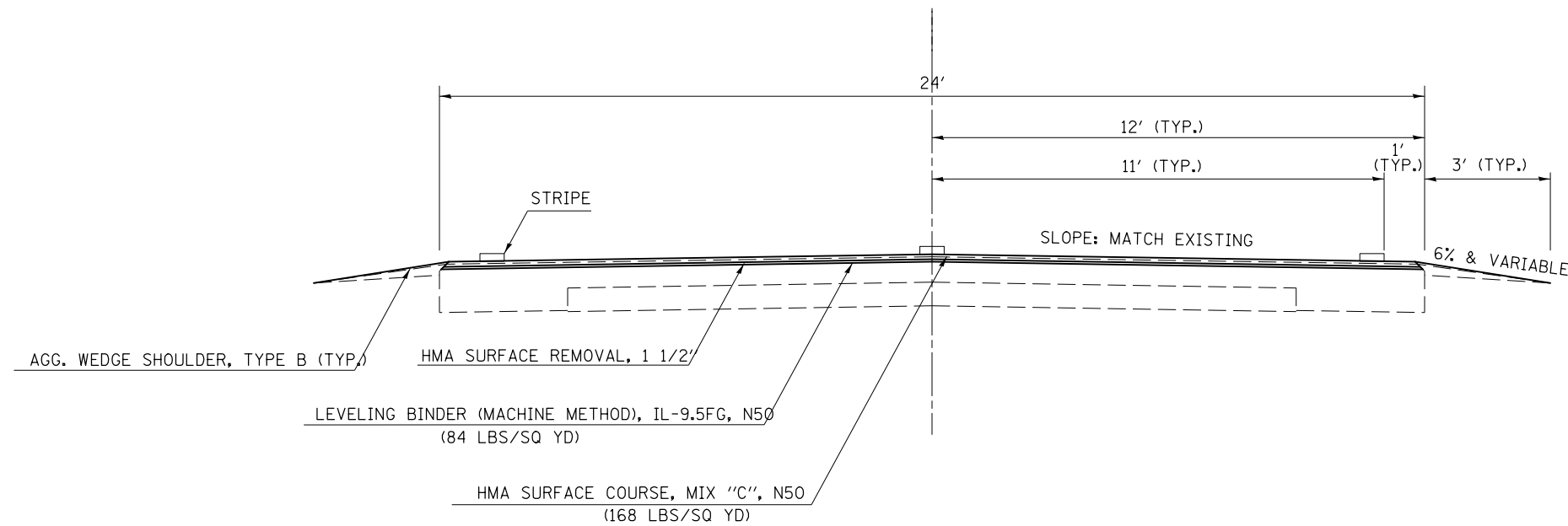


* CONVERTED FROM METRIC PLANS, ACTUAL THICKNESS MAY VARY

PROPOSED TYPICAL SECTION ①

STATION	TO	STATION
299+59		LT. 390+50 ②
299+59		RT. 388+50 ②
② 395+50		404+34 ③
⑦ 506+63.8		637+60.00

MILLING OMISSION:
300+19 TO 381+99



FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 5/15/2014		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

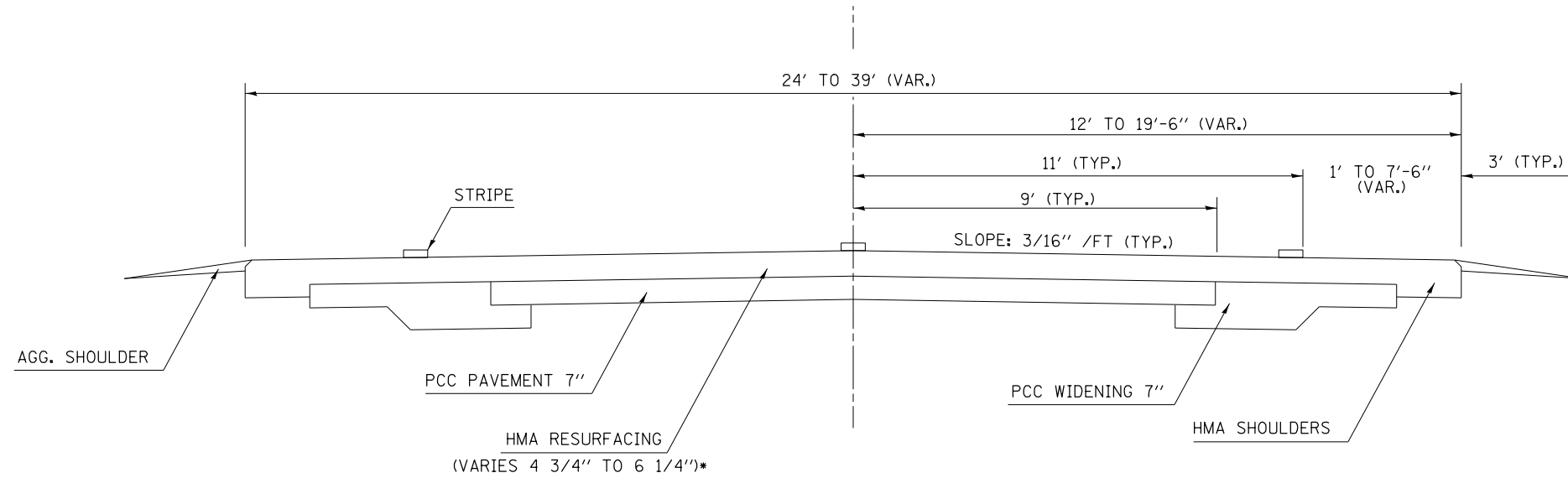
TYPICAL SECTION	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	*	CHAMP/PIATT	40	7
CONTRACT NO. 70841			ILLINOIS FED. AID PROJECT	

* D5 PATCH & RES 2014-7

EXISTING TYPICAL SECTION ②

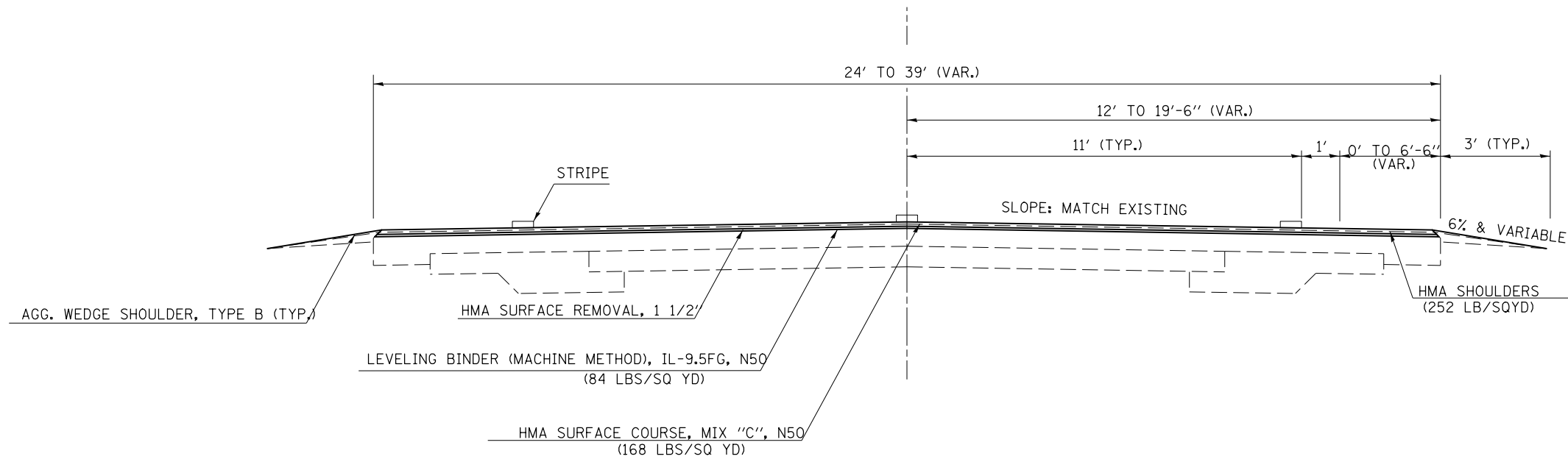
STATION TO STATION
 ① LT. 390+50 LT. 395+50 ①
 ① RT. 388+50 RT. 395+50 ①



* CONVERTED FROM METRIC PLANS, ACTUAL THICKNESS MAY VARY

PROPOSED TYPICAL SECTION ②

STATION TO STATION
 ① LT. 390+50 LT. 395+50 ①
 ① RT. 388+50 RT. 395+50 ①

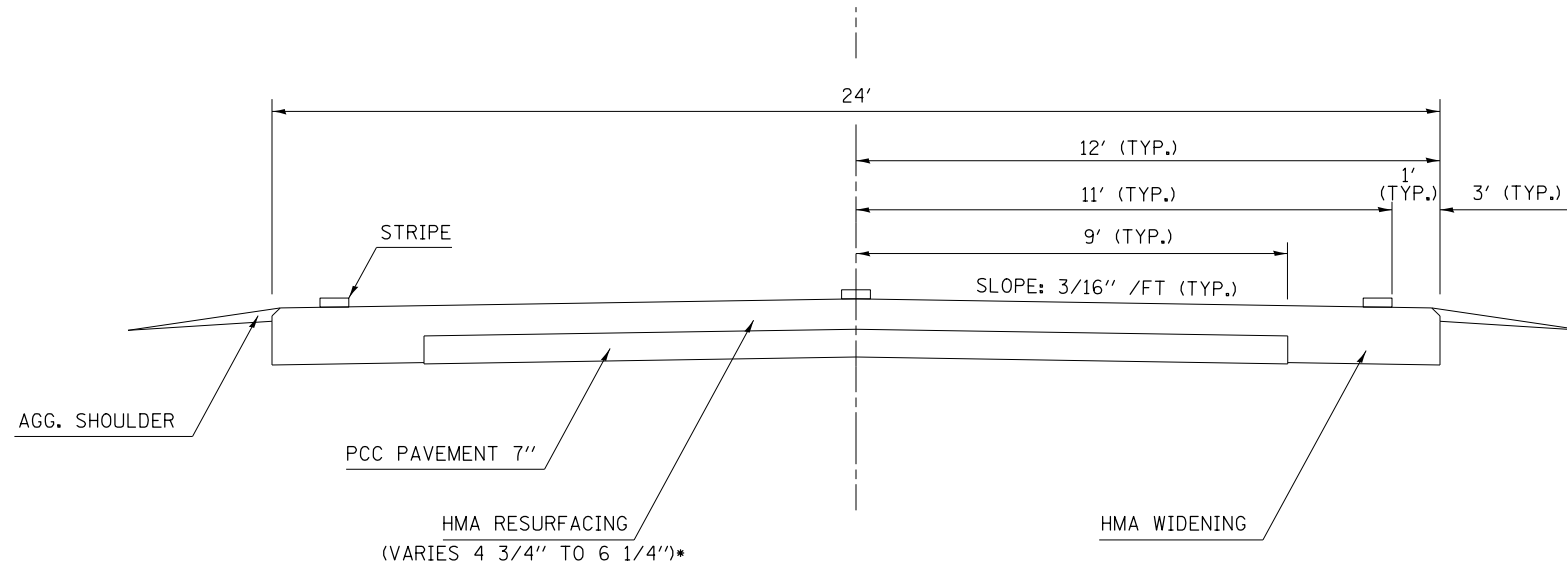


• D5 PATCH & RES 2014-7

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
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PLOT DATE = 5/15/2014	DATE -	CHECKED -	REVISED -								CONTRACT NO. 70841					
											ILLINOIS FED. AID PROJECT					

EXISTING TYPICAL SECTION ③

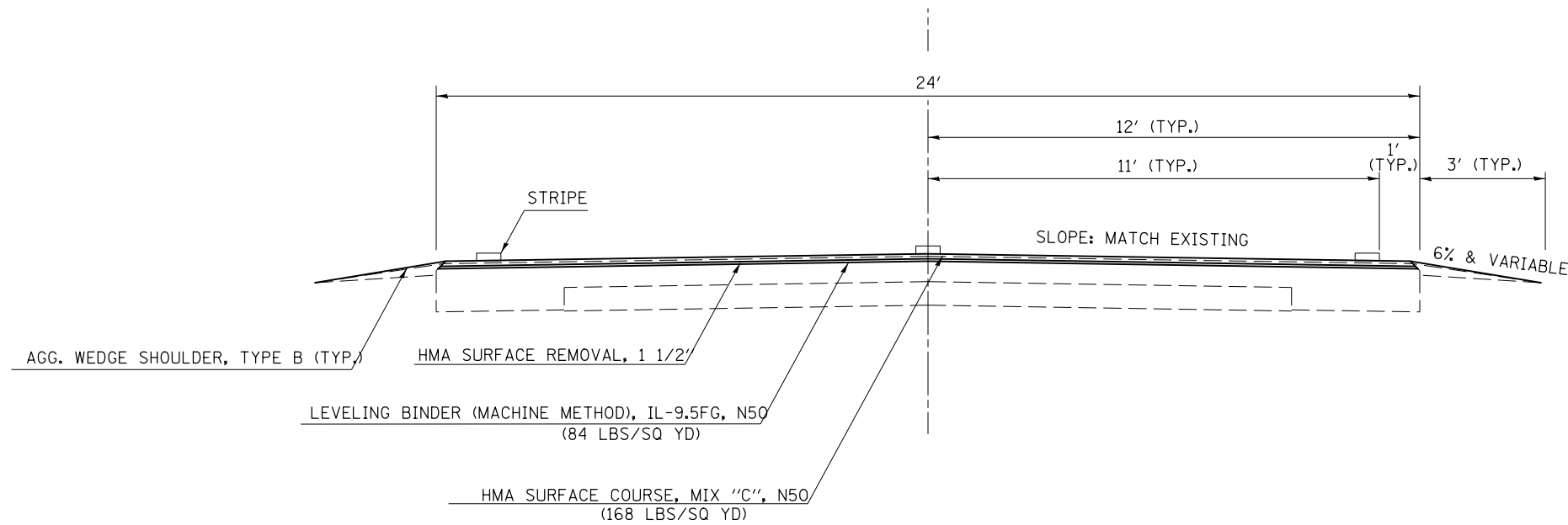
STATION TO STATION
 ① 404+34 406+34 ④



* CONVERTED FROM METRIC PLANS, ACTUAL THICKNESS MAY VARY

PROPOSED TYPICAL SECTION ③

STATION TO STATION
 ① 404+34 406+34 ④

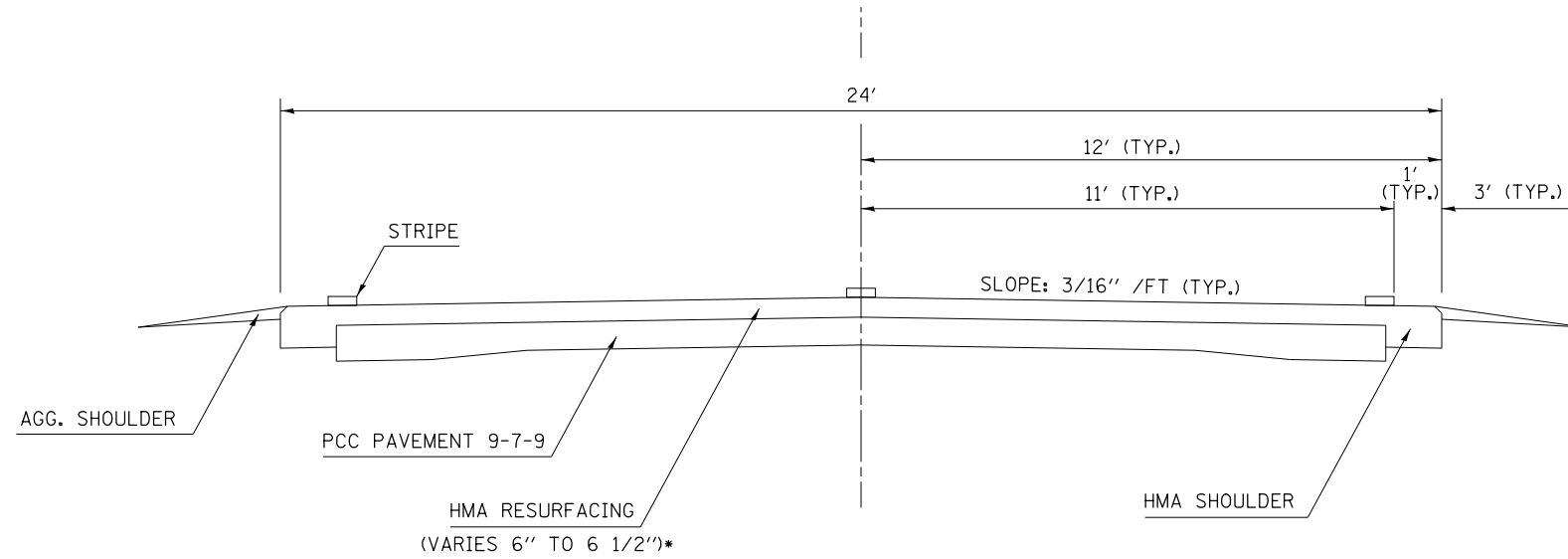


• D5 PATCH & RES 2014-7

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ce:\p\work\p\pidot\ceerlockjd\0285170\0370841-sht-typical.dgn	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -					1513	•	CHAMP/PIATT	40	9
PLOT DATE = 5/15/2014	DATE -	CHECKED -	REVISED -		CONTRACT NO. 70841			ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

EXISTING TYPICAL SECTION ④

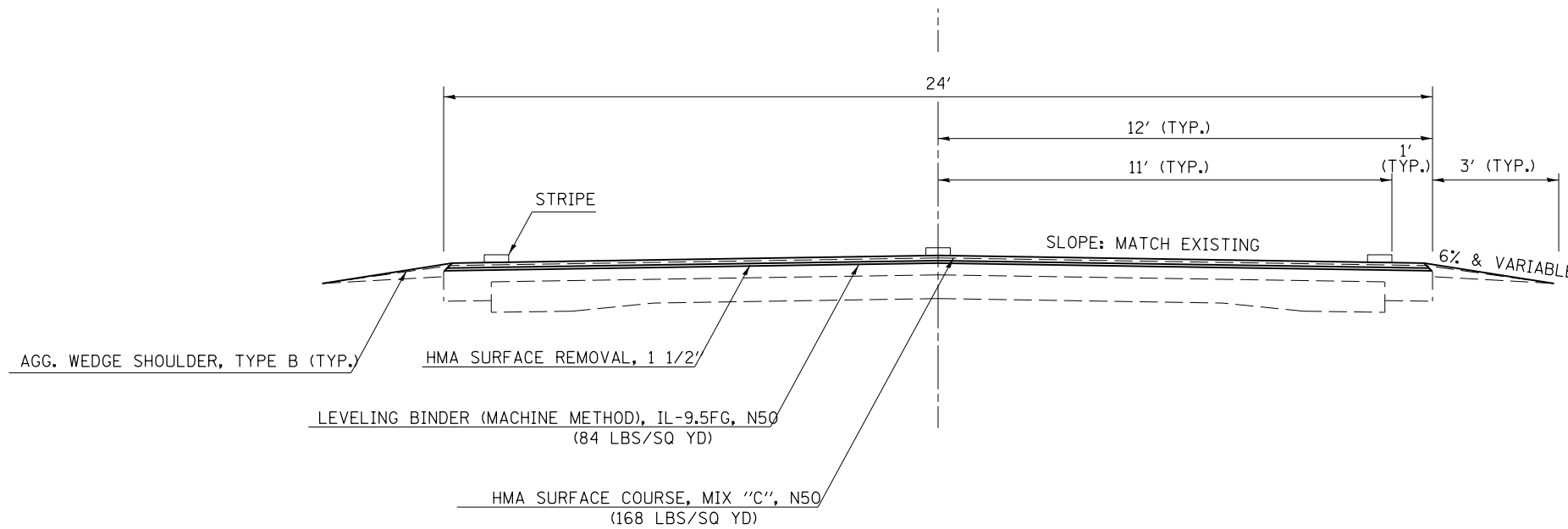
STATION TO STATION
③ 406+34 459+00 ⑤



* CONVERTED FROM METRIC PLANS, ACTUAL THICKNESS MAY VARY

PROPOSED TYPICAL SECTION ④

STATION TO STATION
③ 406+34 459+00 ⑤

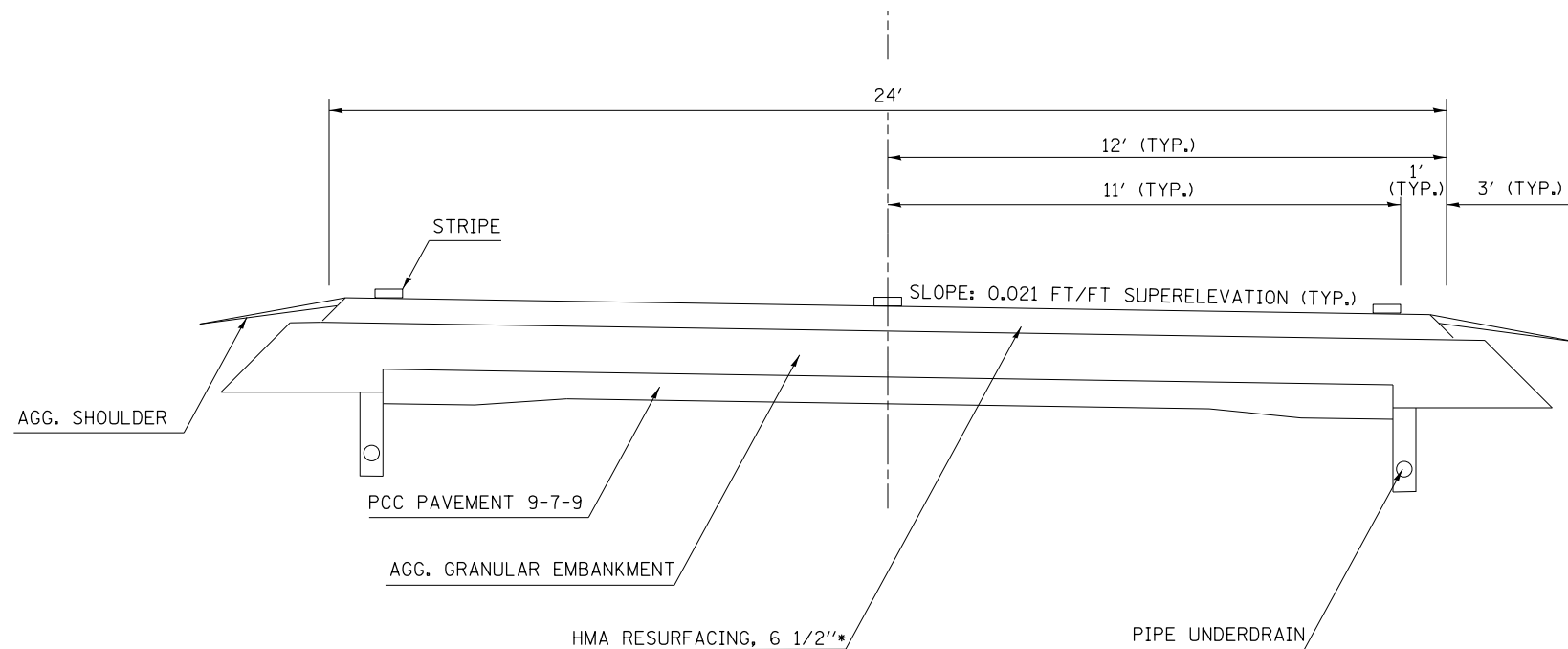


* D5 PATCH & RES 2014-7

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	et:\pwork\pwork\ceerlockjd\0285170\0370841-sht-typical.dgn	DRAWN -	REVISED -					1513	•	CHAMP/PIATT	40	10
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			SCALE:	SHEET OF SHEETS	STA.	TO STA.	CONTRACT NO. 70841		
	PLOT DATE = 5/15/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						

EXISTING TYPICAL SECTION ⑤

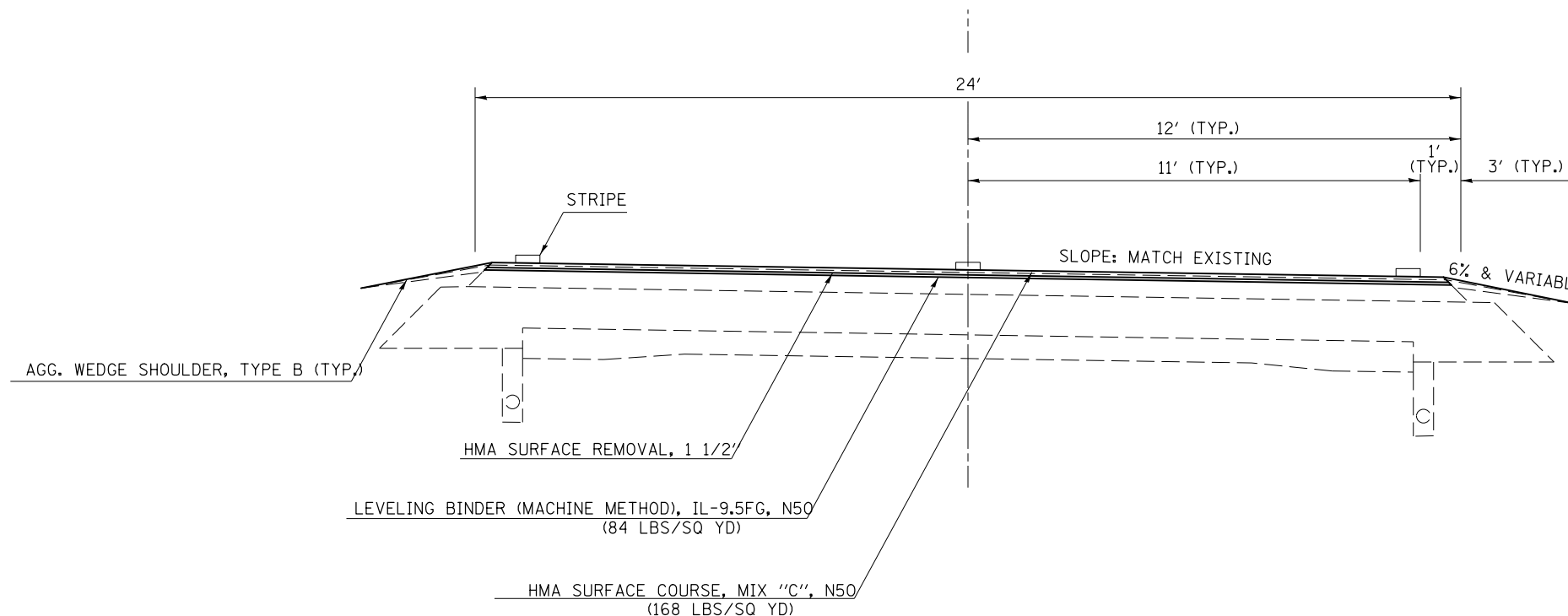
STATION TO STATION
④ 459+00 481+25 ⑥



* CONVERTED FROM METRIC PLANS, ACTUAL THICKNESS MAY VARY

PROPOSED TYPICAL SECTION ⑤

STATION TO STATION
④ 459+00 481+25 ⑥

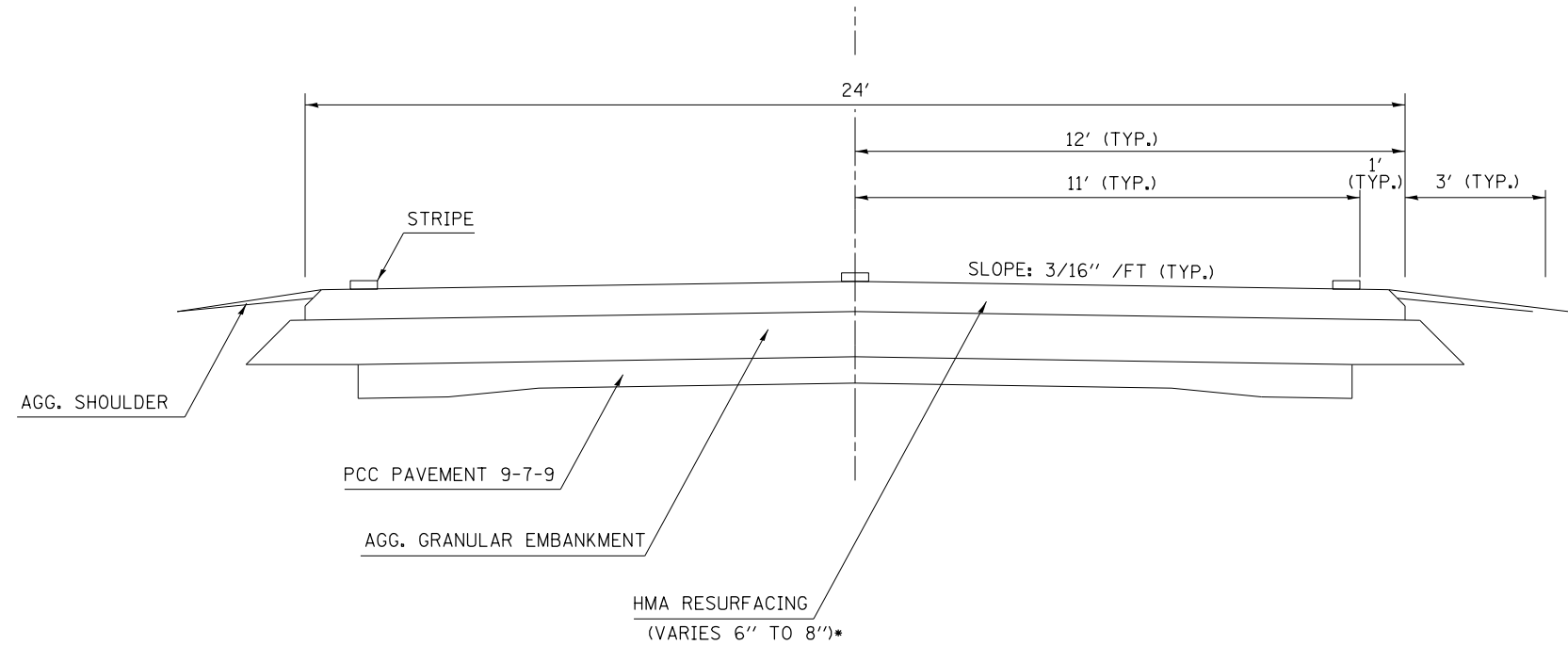


* D5 PATCH & RES 2014-7

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1513	•	CHAMP/PIATT	40	11
		CHECKED -	REVISED -			SCALE:	SHEET OF SHEETS	STA.	TO STA.	CONTRACT NO. 70841		
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT						

EXISTING TYPICAL SECTION ⑥

STATION	TO	STATION
⑤ 481+25		485+37.5 ⑦
485+99.5		504+68.8



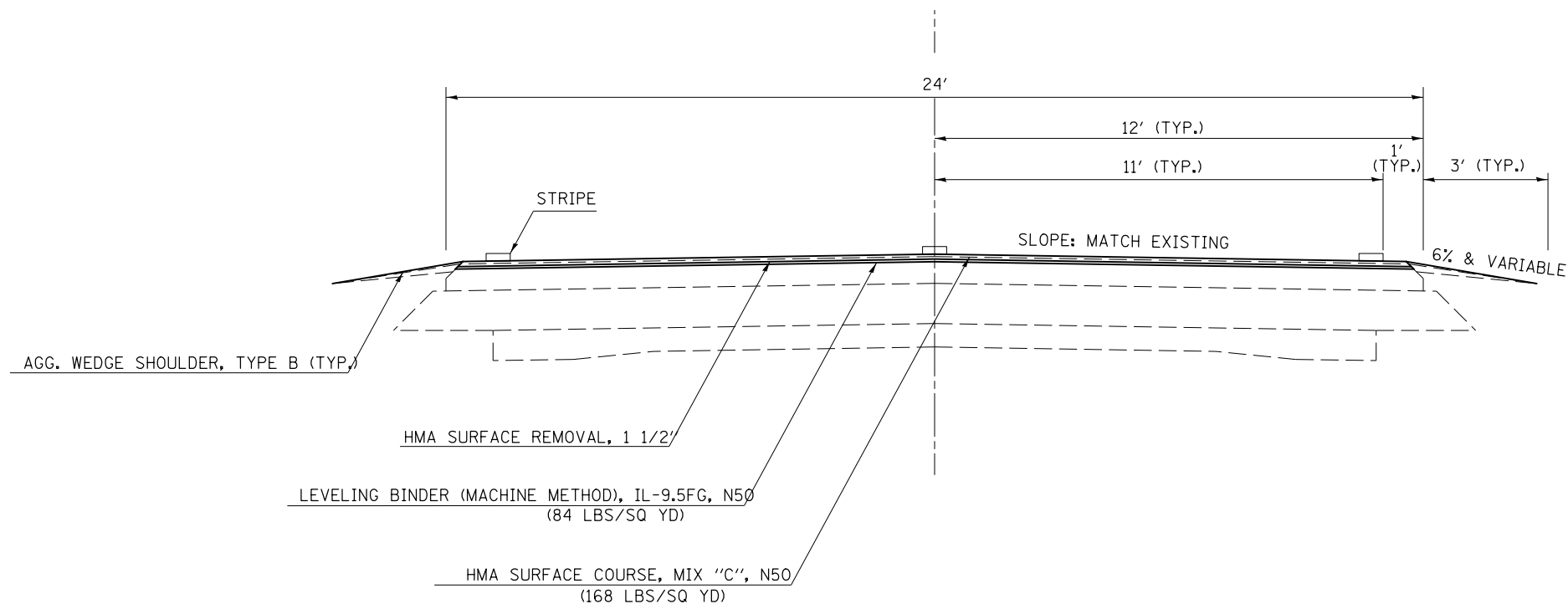
* CONVERTED FROM METRIC PLANS, ACTUAL THICKNESS MAY VARY

PROPOSED TYPICAL SECTION ⑥

STATION	TO	STATION
⑤ 481+25		504+68.8 ⑦

OMISSION FOR S.N. 010-0275
STA. 484+71.78 TO STA. 486+65.22

STATION EQUATION
STATION 487+68.51 BK =
STATION 500+69.80 AH

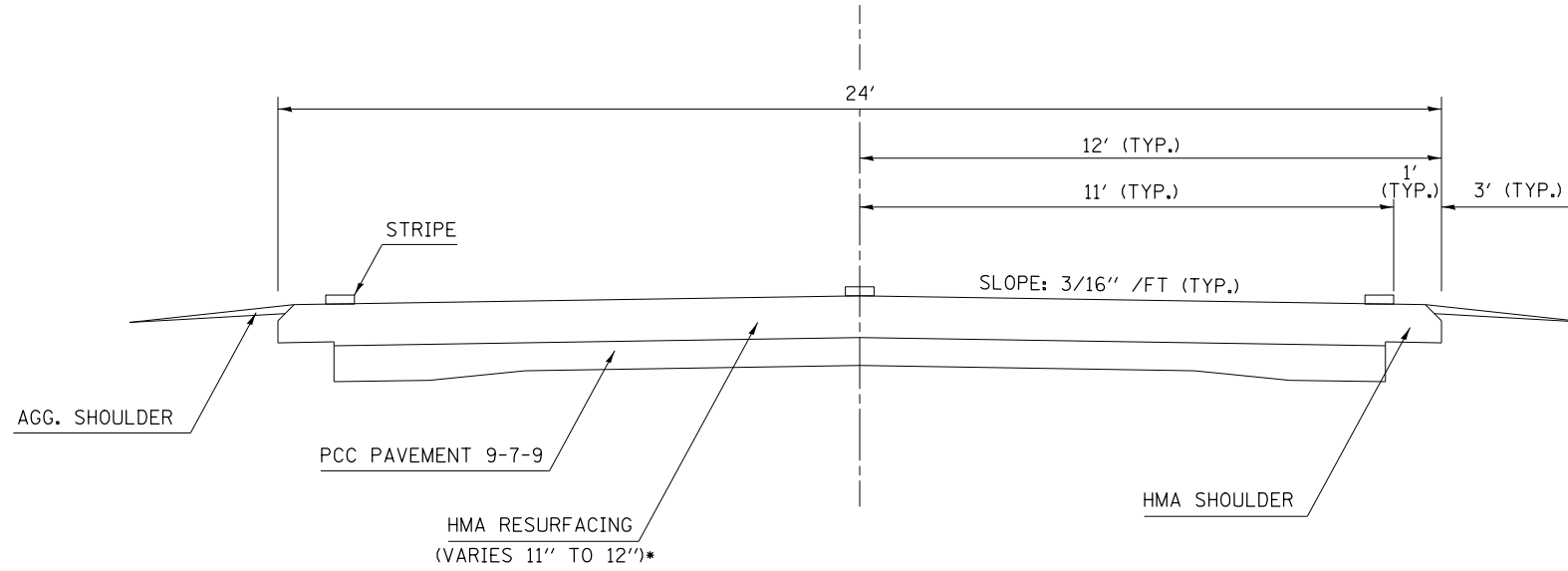


• D5 PATCH & RES 2014-7

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
	et:\pwork\pwork\ceerlockjd\0285170\0370841-sht-typical.dgn	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	1513	•	CHAMP/PIATT	40	12
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -													
	PLOT DATE = 5/15/2014	DATE -	REVISED -													
												CONTRACT NO. 70841		ILLINOIS FED. AID PROJECT		

EXISTING TYPICAL SECTION ⑦

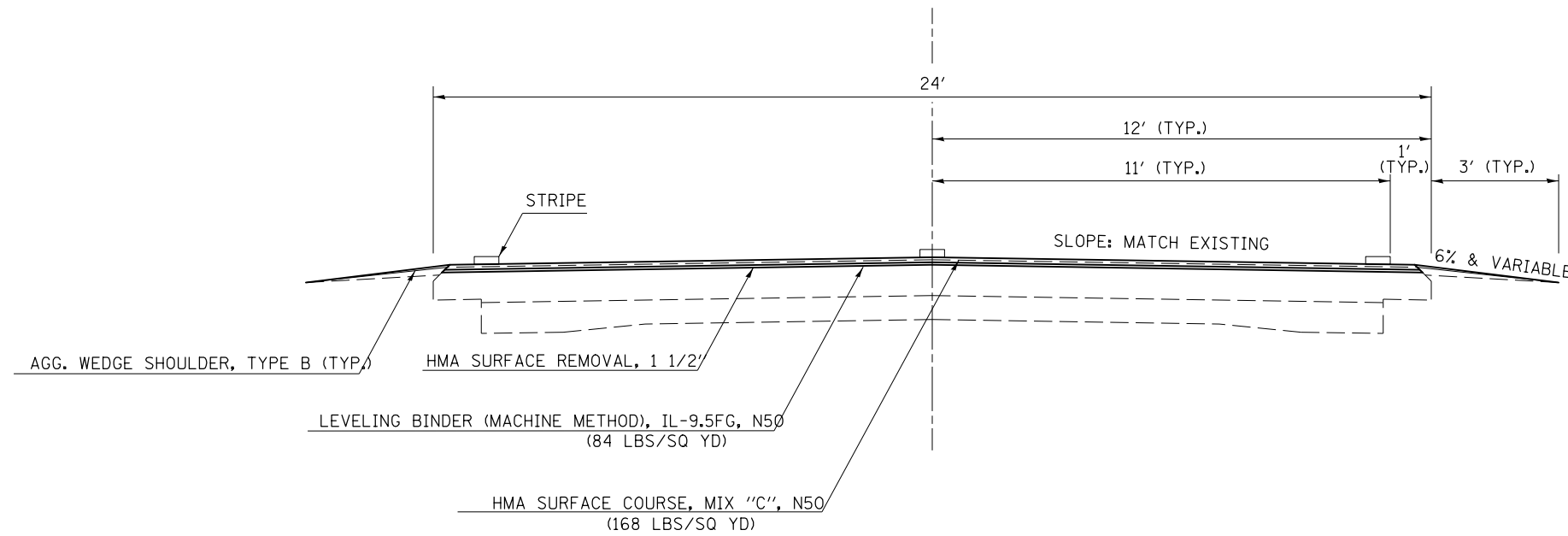
STATION TO STATION
 ⑥ 504+68.8 506+63.8 ①



* CONVERTED FROM METRIC PLANS, ACTUAL THICKNESS MAY VARY

PROPOSED TYPICAL SECTION ⑦

STATION TO STATION
 ⑥ 504+68.8 506+63.8 ①



FILE NAME = c:\pwwork\pwwork\cearlockjd\0285170\0370841-sht-typical.dgn	USER NAME = cearlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -					1513	*	CHAMP/PIATT	40	13
PLOT DATE = 5/15/2014	DATE -	REVISED -				CONTRACT NO. 70841		ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

* D5 PATCH & RES 2014-7

SURFACE COURSE AND PRIME COAT SCHEDULE

STATION	TO	STATION	LENGTH	WIDTH		SQ YD	BITUMINOUS	HMA SURFACE
							PRIME COAT **	COURSE, MIX "C"
							X4060110	40603310
							POUND	TONS
URBAN								
299+59.00		312+64.6	1305.60	24.00	=	3,481.60	2,350.1	292.5
RURAL								
312+64.60		381+81.0	6916.40	24.00	=	18,443.73	12,449.5	1,549.3
END OVERLAY/BEGIN INLAY								
381+81.00		385+93.0	412.00	35	*	=	1,602.22	1,081.5
385+93.00		398+04.0	1211.00	35	*	=	4,709.44	3,178.9
398+04.00		401+99.0	395.00	35	*	=	1,536.11	1,036.9
401+99.00		484+71.7	8272.78	24	=	22,060.75	14,891.0	1,853.1
OMISSION FOR STRUCTURE								
486+65.22		487+68.51	103.29	24	=	275.44	185.9	23.1
EQ. STA.								
500+69.80		564+40.4	6370.65	24	=	16,988.40	11,467.2	1,427.0
CHAMPAIGN TOTAL								
							2,350.1	292.5
URBAN							2,350.0	293.0
USE							44,290.9	5,511.8
RURAL							44,291.0	5,512.0
USE								
PIATT COUNTY								
564+40.45		624+44.0	6003.55	24	=	16,009.47	10,806.4	1,344.8
624+44.00		637+60.0	1316.00	32	=	4,679.11	3,158.4	393.0
PIATT TOTAL								
TOTAL							13,964.8	1,737.8
USE							13,965.0	1,738.0
TOTAL							60,606.0	7,543.0

* Converted from METRIC Plans

** TO BE APPLIED AT A RATE OF 0.05 LB/SQ FT ON MILLED SURFACES AND 0.025 LB/SQ FT AS FOG COAT
INCIDENTAL PRIME COAT WILL ALSO BE PAID AS X4060110

LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50

(40600627)

STATION	TO	STATION	LENGTH	WIDTH	SQ YD	TONS
URBAN						
299+59.0	TO	312+64.60	1,305.6	24	3,481.6	146.2
RURAL						
312+64.60		381+81.0	6,916.4	24	18,443.7	774.6
END OVERLAY/BEGIN INLAY						
381+81.0	TO	385+93.00	412.0	35	1,602.2	67.3
385+93.0	TO	390+53.00	460.0	35	1,788.9	75.1
OMISSION FOR CURB AND GUTTER						
URBAN						
393+50.00		398+04.0	454.0	35	1,765.6	74.2
398+04.00		401+99.0	395.0	35	1,536.1	64.5
401+99.00		445+65.0	4,366.0	35	16,978.9	713.1
omission for curb and gutter						
449+45.00		484+71.7	3,526.8	24	9,404.7	395.0
OMISSION FOR STRUCTURE						
486+65.22		487+69.51	104.3	24	278.1	11.7
EQ. STA.						
500+69.80		564+40.4	6,370.6	24	16,988.4	713.5
CHAMPAIGN TOTAL						
URBAN						146.2
USE						146
RURAL						2,889.0
USE						2889
PIATT COUNTY						
564+40.45		624+44.0	6,003.6	24	16,009.5	672.4
624+44.00		637+60.0	1,316.0	32	4,679.1	196.5
PIATT TOTAL						
TOTAL						868.9
USE						869.0
TOTAL						3,904.0

• D5 PATCH & RES 2014-7

FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ce:\pw\work\p\dot\ceorlockjd\0285170\0570841-sht-schedules.dgn	DRAWN -	REVISED -	1513			*	CHAMP/PIATT	40	14	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 70841							
PLOT DATE = 5/15/2014	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: _____		SHEET 1 OF 6 SHEETS		STA. _____ TO STA. _____						

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

(40600982)

LOCATION	STATION	TO	STATION	LENGTH	WIDTH	SQ YD
URBAN						
EAST end of Job:	299+59.00	TO	299+89.00	30.00	24	80.00
RURAL						
SN 010-0275	484+46.78	TO	484+71.78	25.00	24	66.67
	486+65.22	TO	486+90.22	25.00	24	66.67
PIATT						
RAMP "C"				25.00	30	83.33
RAMP "D"				25.00	30	83.33
END OF JOB	637+00.00		637+60.00	60.00	32	213.33
				TOTAL	213.33	SQ YD
				URBAN	TOTAL	80.00
				USE	TOTAL	80.00
				RURAL	TOTAL	133.33
				USE	TOTAL	134.00
				PIATT	TOTAL	380.00
				USE	TOTAL	380.00
				TOTAL	594.00	SQ YD

TEMPORARY RAMPS

(40600990)

STATION	OFFSET	TYPE	WIDTH	LENGTH	SQ YDS
CHAMPAIGN COUNTY					
URBAN					
299+59.00	CL		24	10	26.7
RURAL					
338+94.00	LT	SR	24	10	26.7
391+99.00	LT	IL 47	24	10	26.7
391+99.00	RT	IL 47	24	10	26.7
418+32.00	RT	SR	24	10	26.7
446+97.00	LT	SR	24	10	26.7
446+97.00	RT	SR	24	10	26.7
480+23.00	LT	SR	24	10	26.7
484+71.78	CL		24	10	26.7
486+65.22	CL		24	10	26.7
STA EQ					
514+13.00	LT	SR	24	10	26.7
514+23.00	RT	SR	24	10	26.7
563+40.00	LT	SR	24	10	26.7
563+40.00	RT	SR	24	10	26.7
CHAMPAIGN TOTAL					
URBAN					26.7
USE					27.0
RURAL					346.7
USE					347.0
PIATT COUNTY					
	LT	RAMP C	16	10	17.8
	RT	RAMP D	16	10	17.8
637+60.00	CL		24	10	26.7
PIATT TOTAL					62.2
USE					62.0
TOTAL					436.0

• D5 PATCH & RES 2014-7

FILE NAME =	USER NAME = ceerlockjd	DESIGNED - ___	REVISED - -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\pwork\pwork\ceerlockjd\0285170\0570841-sht-schedules.dgn		DRAWN - ___	REVISED - -			1513	*	CHAMP/PIATT	40	15	
PLOT SCALE = 40.0000' / in.		CHECKED - ___	REVISED - -			CONTRACT NO. 70841					
PLOT DATE = 5/15/2014		DATE - ___	REVISED - -			ILLINOIS FED. AID PROJECT					

SCALE: _____ SHEET 1 OF 6 SHEETS STA. _____ TO STA. _____

INCIDENTAL ASPHALT RESURFACING

CL STATION	LT/RT	TYPE	W(1)	W(2)	LENGTH	SQ FT	HMA SURFACE REMOVAL (SPECIAL) (X4400196)	INCIDENTAL HMA SURFACING (40800050)	BITUMINOUS MATERIALS PRIME COAT (X4060110)
							SQ YD	TONS	POUND
URBAN									
301+62.00	LT	PE	60.00	30.00	10.00	450.0	50.00	5.25	33.8
302+09.00	RT	MBTO	75.00	30.00	10.00	525.0	58.33	6.13	39.4
RURAL									
314+03.00	RT	MBTO	75.00	35.00	10.00	550.0	61.11	6.42	41.3
320+09.00	LT	FE	45.00	20.00	3.00	97.5	10.83	1.14	7.3
338+94.00	LT	SR	62.00	22.00	10.00	420.0	46.67	4.90	31.5
343+72.00	RT	PE	45.00	30.00	10.00	375.0	41.67	4.38	28.1
344+25.00	RT	PE	45.00	25.00	10.00	350.0	38.89	4.08	26.3
352+59.00	LT	PE	50.00	20.00	10.00	350.0	38.89	4.08	26.3
355+57.00	RT	PE	45.00	25.00	10.00	350.0	38.89	4.08	26.3
365+54.00	LT	FE	45.00	30.00	3.00	112.5	12.50	1.31	8.4
365+54.00	RT	FE	45.00	30.00	3.00	112.5	12.50	1.31	8.4
375+67.00	RT	FE	45.00	30.00	3.00	112.5	12.50	1.31	8.4
385+13.00	RT	PE	45.00	20.00	10.00	325.0	36.11	3.79	24.4
391+99.00 *	LT	IL 47	0.00	26.25	131.23	1,722.2	430.00	**	45.15
391+99.00 *	RT	IL 47	0.00	39.37	72.18	1,420.8	930.00	**	97.65
396+32.00	LT	PE	50.00	25.00	10.00	375.0	41.67	4.38	28.1
396+34.00	RT	FE/MBTO	75.00	40.00	10.00	575.0	63.89	6.71	43.1
408+85.00	LT	PE	45.00	25.00	10.00	350.0	38.89	4.08	26.3
408+85.00	RT	MBTO	70.00	25.00	10.00	475.0	52.78	5.54	35.6
409+56.00	LT	PE	45.00	25.00	10.00	350.0	38.89	4.08	26.3
411+81.00	RT	FE	50.00	35.00	3.00	127.5	14.17	1.49	9.6
416+73.00	RT	PE	45.00	20.00	10.00	325.0	36.11	3.79	24.4
418+32.00	RT	SR	45.00	30.00	10.00	375.0	41.67	4.38	28.1
419+30.00	LT	FE	45.00	30.00	3.00	112.5	12.50	1.31	8.4
430+54.00	RT	MBTO	60.00	20.00	8.00	320.0	35.56	3.73	24.0
430+68.00	LT	PE	50.00	25.00	10.00	375.0	41.67	4.38	28.1
436+05.00	LT	FE	45.00	30.00	3.00	112.5	12.50	1.31	8.4
436+05.00	RT	FE	45.00	30.00	3.00	112.5	12.50	1.31	8.4
446+97.00	LT	SR	190.00	30.00	70.00	7,700.0	855.56	89.83	577.5
446+97.00	RT	SR	130.00	30.00	45.00	3,600.0	400.00	42.00	270.0
448+27.00	LT	CE	70.00	45.00	10.00	575.0	63.89	6.71	43.1
450+53.00	LT	CE	70.00	45.00	10.00	575.0	63.89	6.71	43.1
465+32.00	RT	FE	45.00	30.00	3.00	112.5	12.50	1.31	8.4
465+54.00	LT	FE	45.00	30.00	3.00	112.5	12.50	1.31	8.4
480+23.00	LT	SR	70.00	20.00	25.00	1,125.0	125.00	13.13	84.4
480+70.00	RT	FE	45.00	30.00	3.00	112.5	12.50	1.31	8.4
STA EQ									
512+24.00	RT	PE	35.00	20.00	10.00	275.0	30.56	3.21	20.6
514+13.00	LT	SR	60.00	20.00	25.00	1,000.0	111.11	11.67	75.0
514+23.00	RT	SR	60.00	20.00	30.00	1,200.0	133.33	14.00	90.0
540+58.00	RT	FE	45.00	30.00	3.00	112.5	12.50	1.31	8.4
563+40.00	LT	SR	60.00	20.00	25.00	1,000.0	111.11	11.67	75.0
564+40.00	RT	SR	50.00	20.00	20.00	700.0	77.78	8.17	52.5

*CONVERTED FROM METRIC PLANS

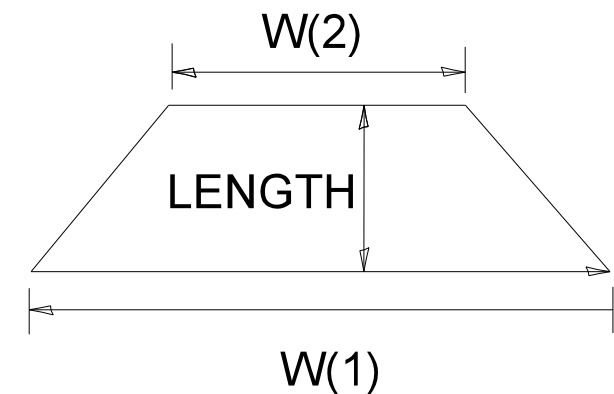
** Measured by CADD Flood - INCIDENTAL PRIME COAT IS PAID AS X4060110

INCIDENTAL ASPHALT RESURFACING (CONT.)

CL STATION	LT/RT	TYPE	W(1)	W(2)	LENGTH	SQ FT	HMA SURFACE REMOVAL (SPECIAL) (X4400196)	INCIDENTAL HMA SURFACING (40800050)	BITUMINOUS MATERIALS PRIME COAT (X4060110)
							SQ YD	TONS	POUND
URBAN									
PIATT COUNTY									
575+29.00	RT	FE	45.00	30.00	3.00	112.5	12.50	1.31	8.4
590+92.00	RT	FE	45.00	30.00	3.00	112.5	12.50	1.31	8.4
591+02.00	LT	FE	45.00	30.00	3.00	112.5	12.50	1.31	8.4
604+67.00	RT	PE	60.00	25.00	10.00	425.0	47.22	4.96	31.9
		RAMP C				2,498.0	277.56	**	29.14
		RAMP D				2,794.0	310.44	**	32.60
CHAMPAIGN									
URBAN									
							108.33	11.38	73.13
USE									
							108.00	11.00	73.00
RURAL									
							4,175.56	438.43	2,136.23
USE									
							4,176.00	438.00	2,136.00
PIATT									
							672.72	70.64	454.09
USE									
							673.00	71.00	454.00
TOTAL									
							4,957.00	520.00	2,663.00

*CONVERTED FROM METRIC PLANS

** Measured by CADD Flood - INCIDENTAL PRIME COAT IS PAID AS X4060110



HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
(44000155)

STA.	LENGTH	WIDTH	SQ FT	SQ YD
300+19.00				
(MICROSURFACING OVERLAY, NO MILLING THIS SECTION)				0.00
381+81.00	412.00	41.00	16,892.00	1,876.89
385+93.00	1,211.00	41.00	49,651.00	5,516.78
398+04.00	395.00	41.00	16,195.00	2,062.78
401+99.00	8,272.78	24.00	198,546.72	22,060.75
484+71.78				
OMISSION FOR STRUCTURE				
486+65.22	104.29	24.00	2,502.96	278.11
487+69.51				
EQ.STA.				
500+69.80				
PIATT COUNTY	6,370.65	24.00	152,895.60	16,988.40
564+40.45	6,003.55	24.00	144,085.20	16,009.47
624+44.00	1,316.00	32.00	42,112.00	4,679.11
637+60.00				
CHAMPAIGN				
URBAN				0.00
USE				0.00
RURAL				48783.70
USE				48784.00
PIATT				
URBAN				20688.58
USE				20689.00
TOTAL				
				69473.00

AGGREGATE SHOULDER WEDGE, TYPE B
(48102100)

STATION	LENGTH	SQ YD	AVERAGE THICKNESS (INCH)*	TONS
299+59.00				
312+64.60	1,305.60	435.20	3.125	136.00
381+81.00	6,916.40	2,740.67	3.125	856.46
385+93.00	412.00	137.33	1.625	22.32
398+04.00	1,211.00	403.67	1.625	65.60
401+99.00	395.00	131.67	1.625	21.40
484+71.78	8,272.78	2,757.59	1.625	448.11
EQ. STA.				
500+69.80	6,370.65	2,123.55	1.625	345.08
564+40.45	7,319.55	2,439.85	1.625	396.48
637+60.00				
TOTALS	32,202.9	11,169.53		2,291.43
CHAMPAIGN				
URBAN	136.00	TONS		
USE	136	TONS		
RURAL	1,758.95	TONS		
USE	1,759.00	TONS		
PIATT				
URBAN	396.48	TONS		
USE	397	TONS		
TOTAL 2,292.00 TONS				

* Shoulders were approximately 1 1/2 inch low throughout, actual shoulders at time of resurfacing may vary.

PARTIAL DEPTH PATCHING

STATION	EB/WB	LENGTH	WIDTH	PARTIAL DEPTH REMOVAL TYPE II, 6"	PARTIAL DEPTH PATCHING
				(X4406260) SQYD	(X4421000) TONS
315+37.00	EB	8	12	10.7	3.58
315+37.00	WB	8	12	10.7	3.58
317+40.00	EB	6	12	8.0	2.69
317+40.00	WB	6	12	8.0	2.69
333+62.00	EB	6	12	8.0	2.69
333+62.00	WB	6	12	8.0	2.69
345+18.00	EB	10	12	13.3	4.48
345+18.00	WB	10	12	13.3	4.48
346+37.00	WB	8	12	10.7	3.58
348+30.00	EB	6	12	8.0	2.69
348+30.00	WB	6	12	8.0	2.69
349+18.00	EB	6	12	8.0	2.69
349+18.00	WB	6	12	8.0	2.69
351+29.00	EB	6	12	8.0	2.69
351+29.00	WB	6	12	8.0	2.69
354+14.00	EB	6	12	8.0	2.69
354+14.00	WB	6	12	8.0	2.69
359+94.00	EB	10	12	13.3	4.48
359+94.00	WB	10	12	13.3	4.48
369+16.00	EB	8	12	10.7	3.58
369+16.00	WB	8	12	10.7	3.58
370+68.00	WB	6	12	8.0	2.69
377+90.00	WB	6	12	8.0	2.69
390+32.00	L TURN	6	12	8.0	2.69
390+32.00	WB	6	12	8.0	2.69
390+85.00	L TURN	6	12	8.0	2.69
390+85.00	EB	6	12	8.0	2.69
390+85.00	WB	6	12	8.0	2.69
396+14.00	L TURN	6	12	8.0	2.69
398+26.00	L TURN	6	12	8.0	2.69
398+26.00	WB	6	12	8.0	2.69
405+82.00	EB	6	12	8.0	2.69
406+71.00	EB	6	12	8.0	2.69
406+71.00	WB	6	12	8.0	2.69
406+94.00	EB	6	12	8.0	2.69
406+94.00	WB	6	12	8.0	2.69
407+16.00	EB	6	12	8.0	2.69
407+16.00	WB	6	12	8.0	2.69
407+58.00	EB	6	12	8.0	2.69
407+95.00	EB	6	12	8.0	2.69
407+95.00	WB	6	12	8.0	2.69
408+45.00	EB	6	12	8.0	2.69
408+45.00	WB	6	12	8.0	2.69
413+98.00	EB	6	12	8.0	2.69
413+98.00	WB	6	12	8.0	2.69
414+48.00	EB	6	12	8.0	2.69
414+48.00	WB	6	12	8.0	2.69

PARTIAL DEPTH PATCHING

STATION	EB/WB	LENGTH	WIDTH	PARTIAL DEPTH REMOVAL TYPE II, 6"	PARTIAL DEPTH PATCHING
				(X4406260) SQYD	(X4421000) TONS
415+49.00	EB	6	12	8.0	2.69
415+49.00	WB	6	12	8.0	2.69
415+78.00	EB	6	12	8.0	2.69
415+78.00	WB	6	12	8.0	2.69
423+21.00	EB	6	12	8.0	2.69
423+21.00	WB	6	12	8.0	2.69
423+68.00	EB	6	12	8.0	2.69
423+68.00	WB	6	12	8.0	2.69
424+37.00	EB	6	12	8.0	2.69
424+37.00	WB	6	12	8.0	2.69
424+53.00	EB	8	12	10.7	3.58
424+53.00	WB	8	12	10.7	3.58
429+20.00	EB	6	12	8.0	2.69
429+20.00	WB	6	12	8.0	2.69
429+50.00	EB	6	12	8.0	2.69
429+50.00	WB	6	12	8.0	2.69
429+70.00	EB	8	12	10.7	3.58
429+70.00	WB	8	12	10.7	3.58
429+90.00	EB	6	12	8.0	2.69
429+90.00	WB	6	12	8.0	2.69
439+65.00	EB	6	12	8.0	2.69
439+65.00	WB	6	12	8.0	2.69
439+76.00	EB	6	12	8.0	2.69
439+89.00	EB	8	12	10.7	3.58
439+89.00	WB	8	12	10.7	3.58
441+16.00	EB	6	12	8.0	2.69
441+16.00	WB	6	12	8.0	2.69
442+66.00	EB	6	12	8.0	2.69
442+66.00	WB	6	12	8.0	2.69
445+21.00	EB	6	12	8.0	2.69
445+21.00	WB	6	12	8.0	2.69
446+30.00	EB	8	12	10.7	3.58
446+30.00	WB	8	12	10.7	3.58
493+38.00	EB	10	12	13.3	4.48
493+38.00	WB	10	12	13.3	4.48
509+60.00	EB	8	12	10.7	3.58
509+60.00	WB	8	12	10.7	3.58
509+84.00	EB	8	12	10.7	3.58
510+82.00	WB	6	30	20.0	6.72
512+92.00	EB	50	6	33.3	11.20
512+92.00	WB	50	6	33.3	11.20
514+85.00	WB	20	12	26.7	8.96
520+41.00	EB	20	12	26.7	8.96
520+59.00	WB	15	12	20.0	6.72
520+98.00	EB	6	12	8.0	2.69
556+32.00	WB	12	12	16.0	5.38
557+65.00	WB	10	12	13.3	4.48

PARTIAL DEPTH PATCHING

STATION	EB/WB	LENGTH	WIDTH	PARTIAL DEPTH REMOVAL TYPE II, 6"	PARTIAL DEPTH PATCHING
				(X4406260) SQYD	(X4421000) TONS
562+29.00	EB	8	12	10.7	3.58
CHAMPAIGN TOTAL (RURAL)				962.67	323.46
USE				963.00	324.00
PIATT COUNTY					
574+05.00	EB	8	12	10.7	3.58
574+05.00	WB	8	12	10.7	3.58
582+16.00	EB	10	12	13.3	4.48
582+16.00	WB	10	12	13.3	4.48
592+64.00	WB	6	12	8.0	2.69
605+24.00	EB	8	12	10.7	3.58
623+26.00	EB	15	12	20.0	6.72
623+26.00	WB	15	12	20.0	6.72
624+19.00	EB	20	12	26.7	8.96
624+19.00	WB	20	12	26.7	8.96
631+62.00	EB	15	12	20.0	6.72
631+62.00	WB	15	12	20.0	6.72
634+34.00	WB	6	12	8.0	2.69
PIATT TOTAL				208.00	69.89
USE				208	70
TOTAL				1170.7	393.3
USE				1171.0	394.0

CLASS D PATCHES, TYPE II, 8 INCH (44201741)

STATION	EB/WB	LENGTH	WIDTH	SQYD
PIATT				
628+87.0	WB	10	12	13.3
629+26.0	WB	6	12	8.0
TOTAL				21.3
USE				22.0

• D5 PATCH & RES 2014-7

HOT-MIX ASPHALT SHOULDERS

(48203100)

STA.	TO	STA.	LENGTH	WIDTH	SQ.YD	TONS
381+81.00	TO	385+93.00	412.00	3.00	137.33	34.61
385+93.00	TO	398+04.00	1211.00	3.00	403.67	101.72
398+04.00	TO	402+17.00	413.00	3.00	137.67	34.69
SUBTOTAL CHAMPAIGN COUNTY RURAL					678.67	171.02
					USE	679.00
PIATT COUNTY						
623+70.00	TO	637+60.00	1390.00	3.00	463.33	116.76
SUBTOTAL PIATT COUNTY					463.33	116.76
					USE	463.00
					TOTAL	288.00

PAINT PAVEMENT MARKINGS, AND RAISED REFLECTIVE MARKERS

STA	LENGTH	PAINT PAVEMENT MARKING LINE, 4" (78001110)			RAISED REFLECTIVE PAVEMENT MARKERS (78100100)		RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (78300200)
		SKIP DASH 4" YELLOW FOOT	4" WHITE FOOT	NO PASSING 4" YELLOW FOOT	RRPM AMBER EACH	RRPM WHITE EACH	
URBAN							
299+59.00							
312+64.60	1,305.60	336.40	2,611.2		17.32		17.32
RURAL							
381+99.00	6,934.40	1,743.60	13,868.8		87.68		87.68
	148.00		0.0	0.0	8		8
	383+47.00		0.0	0.0	24		24
	388+27.00		0.0	0.0	4		4
	388+68.00		0.0	0.0	12	4	16
	391+04.00		0.0	0.0	4		4
	391+50.73		0.0	0.0			
IL 47 *							
NORTH							
1000+00.00							
	178.00	54.50	356.0		4		4
	1001+78.00						
SOUTH							
1000+00.00							
	126.00	41.50	252.0		3		3
	998+74.00						
IL 10							
392+47.00							
	6.00		0.0	0.0	2		2
	392+53.00		0.0	0.0	4		4
	393+46.00		0.0	0.0	6	4	10
	395+27.00		0.0	0.0	2		2
	395+71.00		0.0	0.0	12		12
	400+51.00		0.0	0.0	6		6
	402+17.00						
	1,583.00	405.75	3,166.0		40		40
	418+00.00						
	78.00	19.50			1		1
	418+78.00						

• D5 PATCH & RES 2014-7

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	PLOT DATE = 5/15/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	*	CHAMP/PIATT	40	19
CONTRACT NO. 70841			ILLINOIS FED. AID PROJECT	

PAINT PAVEMENT MARKINGS, AND RAISED REFLECTIVE MARKERS(CONT)

STA	LENGTH	PAINT PAVEMENT MARKING LINE, 4" (78001110)			RAISED REFLECTIVE PAVEMENT MARKERS (78100100)		RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (78300200)
		SKIP DASH	4" WHITE FOOT	NO PASSING 4" YELLOW FOOT	RRPM AMBER EACH	RRPM WHITE EACH	
		4" YELLOW FOOT					
418+78.00							
	2,739.00	684.75	5,478.0		35		35
446+17.00							
SEYMORE RD	178.00	44.50					
447+95.00							
	3,974.51	993.63	7,949.0		51		51
487+69.51							
EQ STA							
500+69.80							
	2,030.20	507.55	4,060.4		26		26
521+00.00							
	1,150.00	287.50	2,300.0	1,150.00	15		15
532+50.00							
	650.00		1,300.0	1300	9		9
539+00.00							
	1,300.00	325.00	2,600.0	1,300.00	17		17
552+00.00							
	1,240.45	310.11	2,480.9		16		16
564+40.45							
SUBTOTAL	25,388.9	5,754.3	46,422.3	3,750.0	388.68	8.00	
			55,927.0				
URBAN USE		2948	2,947.6		17.32		17.32
RURAL USE		52,979.0	52,979.0		396.68		396.68
					397.00		397
PIATT COUNTY							
564+40.45							
	2,259.55	564.89	4,519.1		30		30
587+00.00							
	1,050.00	262.50	2,100.0	1,050.00	14		14
597+50.00							
	500.00		1,000.0	1000	7		7
602+50.00							
	1,350.00	337.50	2,700.0	1,350.00	17		17
616+00.00							
	844.00	211.00	1,688.0				
624+44.00							
	1,316.00		2,632.0	2632	17		17
637+60.00							
RAMP C	108.00		108.00	108.00			
RAMP D	179.31		179.31	179.31			

PAINT PAVEMENT MARKINGS, AND RAISED REFLECTIVE MARKERS (CONT)

STA	LENGTH	PAINT PAVEMENT MARKING LINE, 4" (78001110)			RAISED REFLECTIVE PAVEMENT MARKERS (78100100)		RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (78300200)
		SKIP DASH	4" WHITE FOOT	NO PASSING 4" YELLOW FOOT	RRPM AMBER EACH	RRPM WHITE EACH	
		4" YELLOW FOOT					
SUBTOTAL	7,606.86	1,375.89	14,926.41	6,319.31	85.00	0.00	85
		22,622.00					
TOTAL	32,995.75	7,130.18	61,348.73	10,069.31	491.68	8.00	500
			78,549.00		500.00		

PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS (78003100)

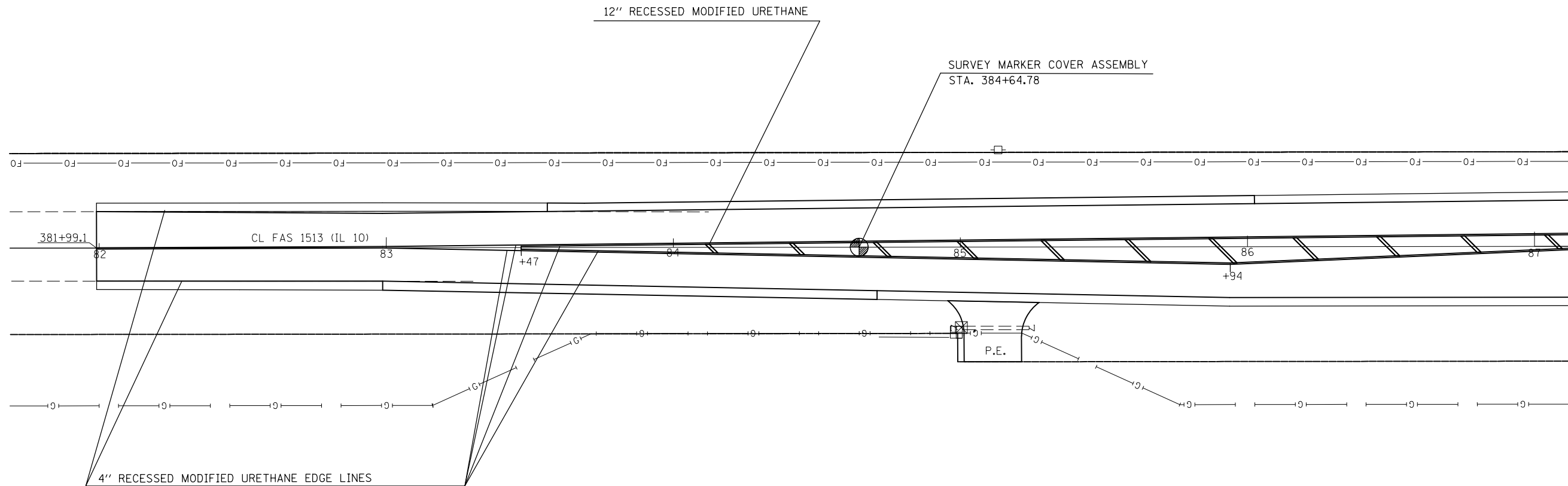
CHAMPAIGN COUNTY		
TURN ARROWS		SQ FT
388+68.00	*	15.6
389+39.00	*	15.6
390+01.49	*	15.6
390+70.00	*	15.6
391+35.00	*	15.6
392+63.00	*	15.6
393+24.00	*	15.6
393+98.48	*	15.6
394+59.00	*	15.6
395+28.00	*	15.6
TOTAL		156.0

*Stations converted from metric Plans

* D5 PATCH & RES 2014-7

CONTRACT NO. 70841

SEC. 10 - T19N-R7E - 3RD PM



SEC. 15 - T19N-R7E - 3RD PM

* D5 PATCH & RES 2014-7

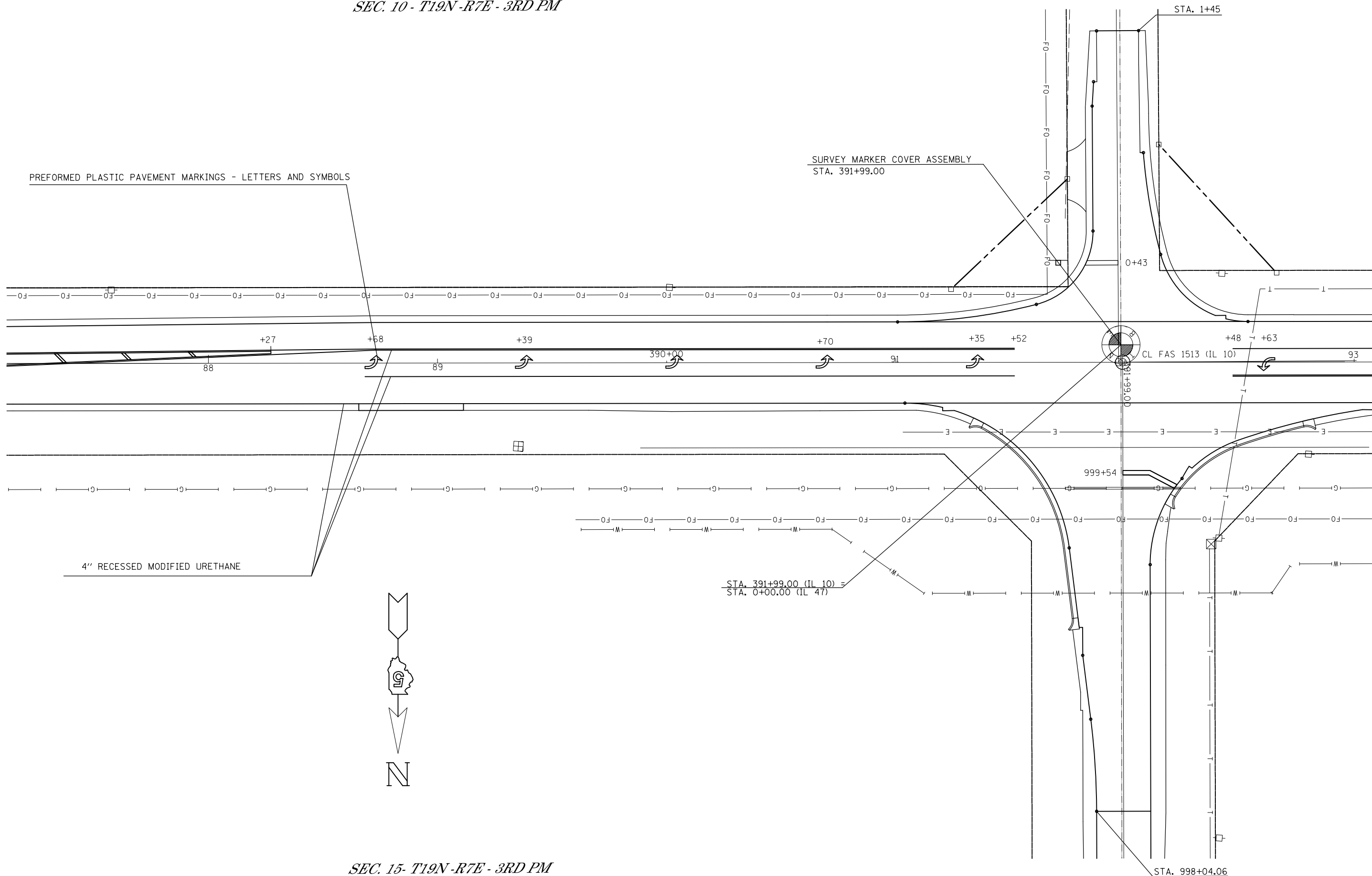
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	PLOT DATE = 5/15/2014	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 10 AND IL 47	
PAVEMENT STRIPING AND SURVEY MARKERS	
SCALE: _____	SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	*	CHAMP/PIATT	40	22
CONTRACT NO. 70841			ILLINOIS FED. AID PROJECT	

SEC. 10 - T19N-R7E - 3RD PM



SEC. 15 - T19N-R7E - 3RD PM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

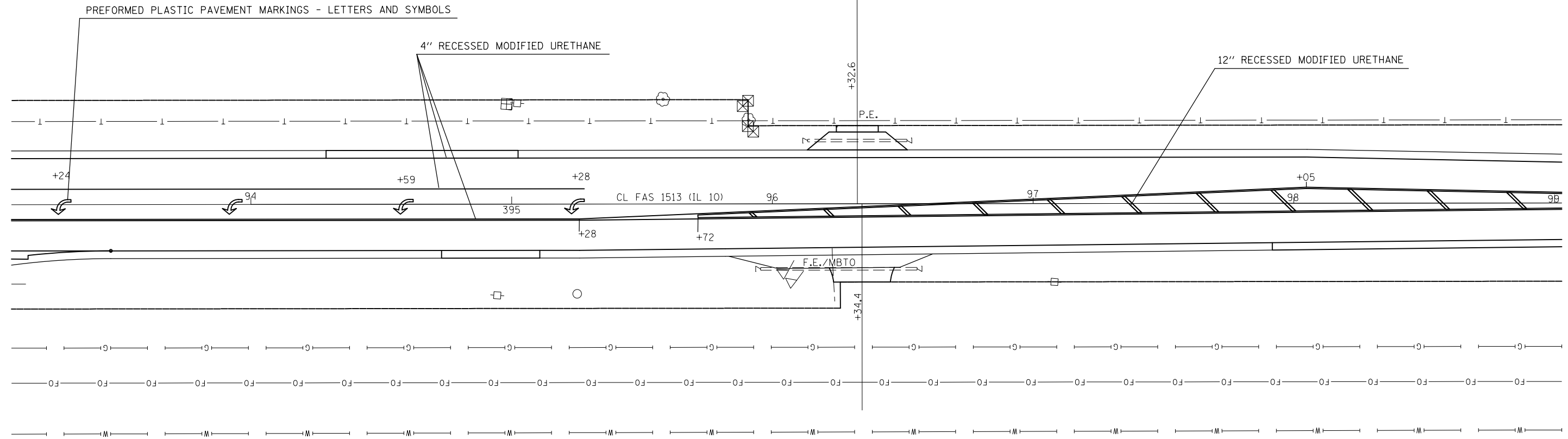
IL 10 AND IL 77
PAVEMENT STRIPING AND SURVEY MARKERS

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

* D5 PATCH & RES 2014-7

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	*	CHAMP/PIATT	40	23
CONTRACT NO. 70841			ILLINOIS FED. AID PROJECT	

SEC. 9 - T19N-R7E - 3RD PM



SEC. 16 - T19N-R7E - 3RD PM

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	PLOT DATE = 5/15/2014	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

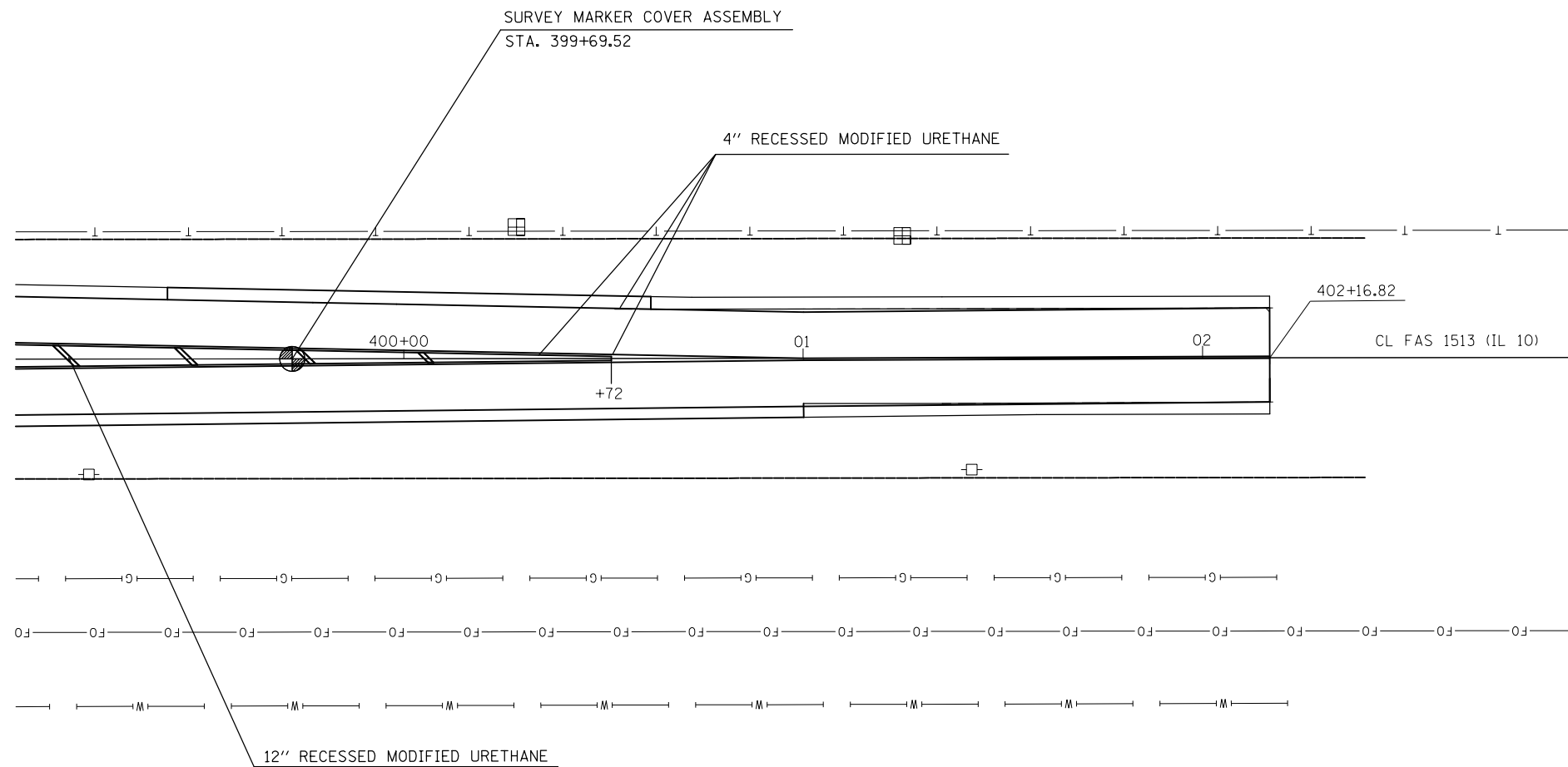
IL 10 AND IL 77
PAVEMENT STRIPING AND SURVEY MARKERS

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

* D5 PATCH & RES 2014-7

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	*	CHAMP/PIATT	40	24
			CONTRACT NO. 70841	
ILLINOIS FED. AID PROJECT				

SEC. 9 - T19N-R7E - 3RD PM



SEC. 16 - T19N-R7E - 3RD PM

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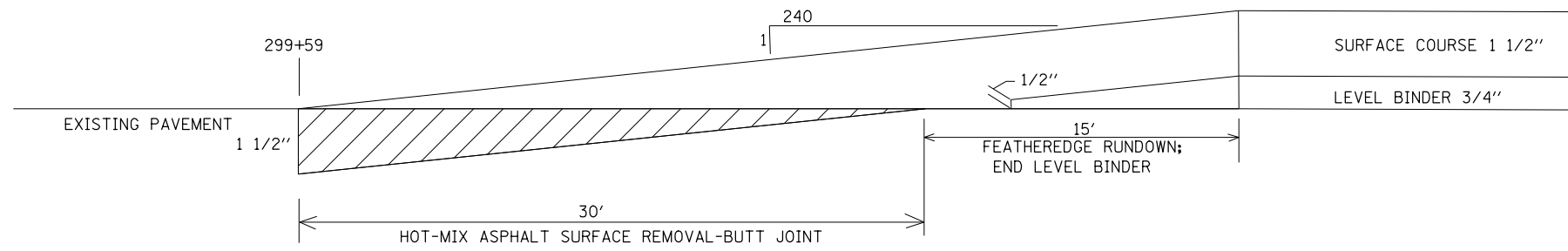
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 10 AND IL 47	
PAVEMENT STRIPING AND SURVEY MARKERS	
SCALE: _____	SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

• D5 PATCH & RES 2014-7

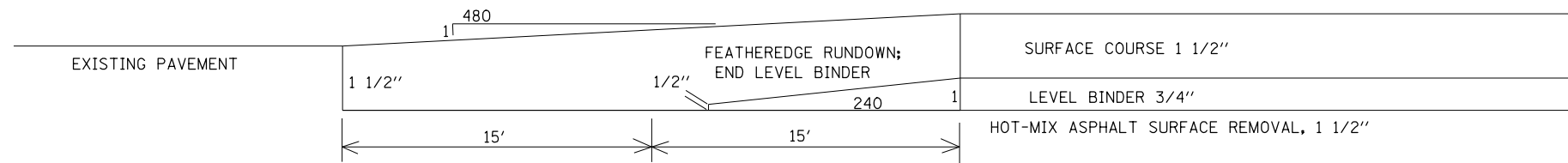
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	•	CHAMP/PIATT	40	25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70841	

BUTT JOINT DETAIL - STA. 299+59

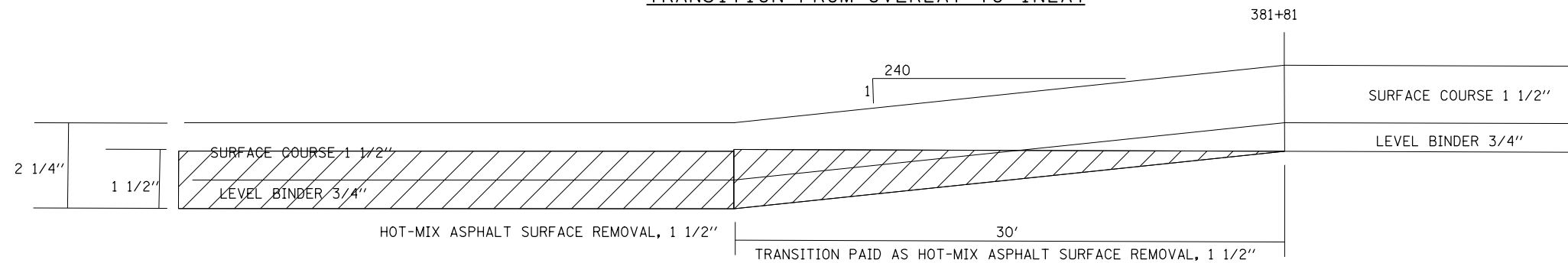


BUTT JOINT DETAIL - ALL OTHERS (SEE SCHEDULES)

(FOR INCIDENTAL HMA AND HMA SURFACE REMMOVAL SPECIAL SEE DISTRICT DETAIL 408000AA)



TRANSITION FROM OVERLAY TO INLAY



• D5 PATCH AND RES 2014-7

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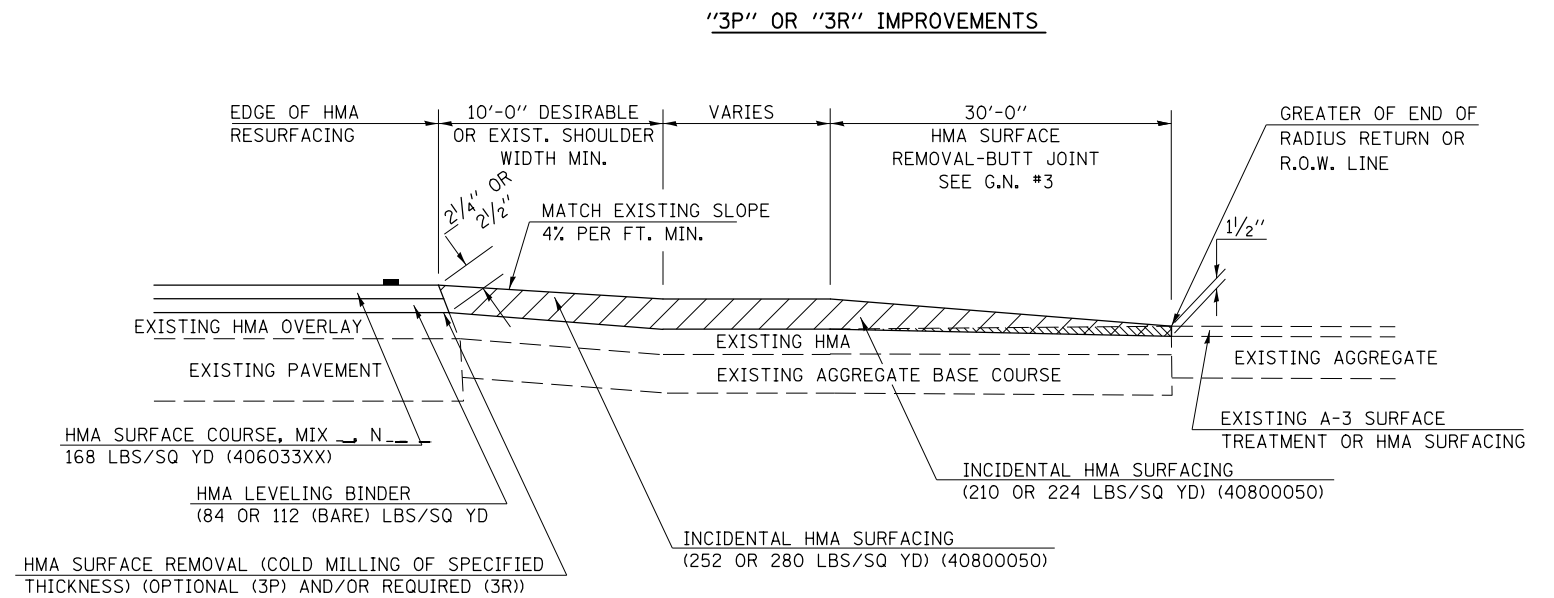
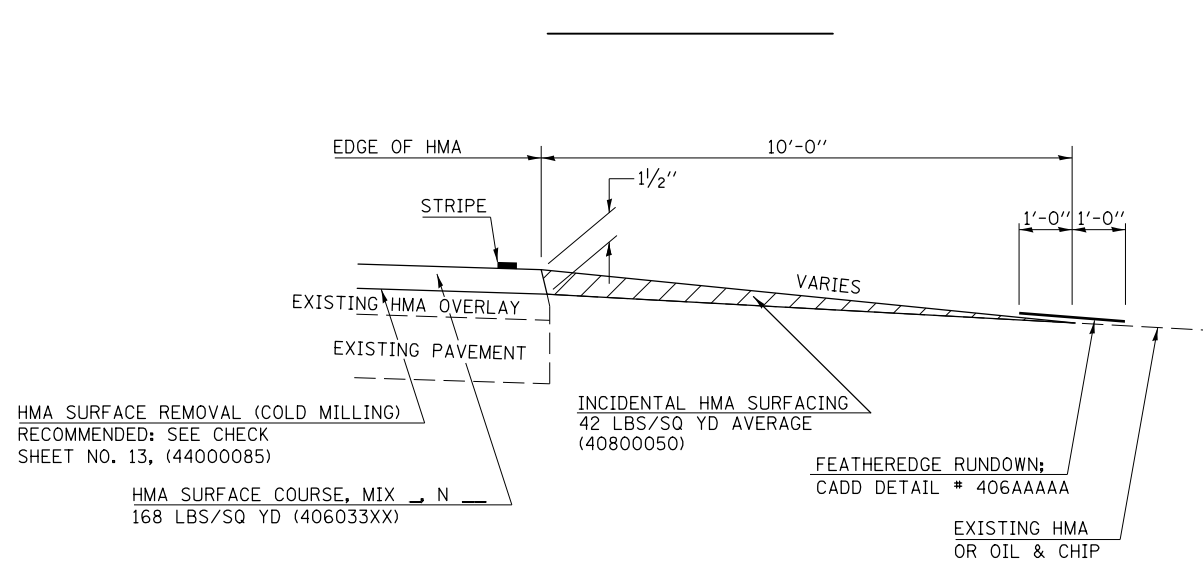
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT DETAILS

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	*	CHAMP/PIATT	40	26
			CONTRACT NO. 70841	
ILLINOIS FED. AID PROJECT				

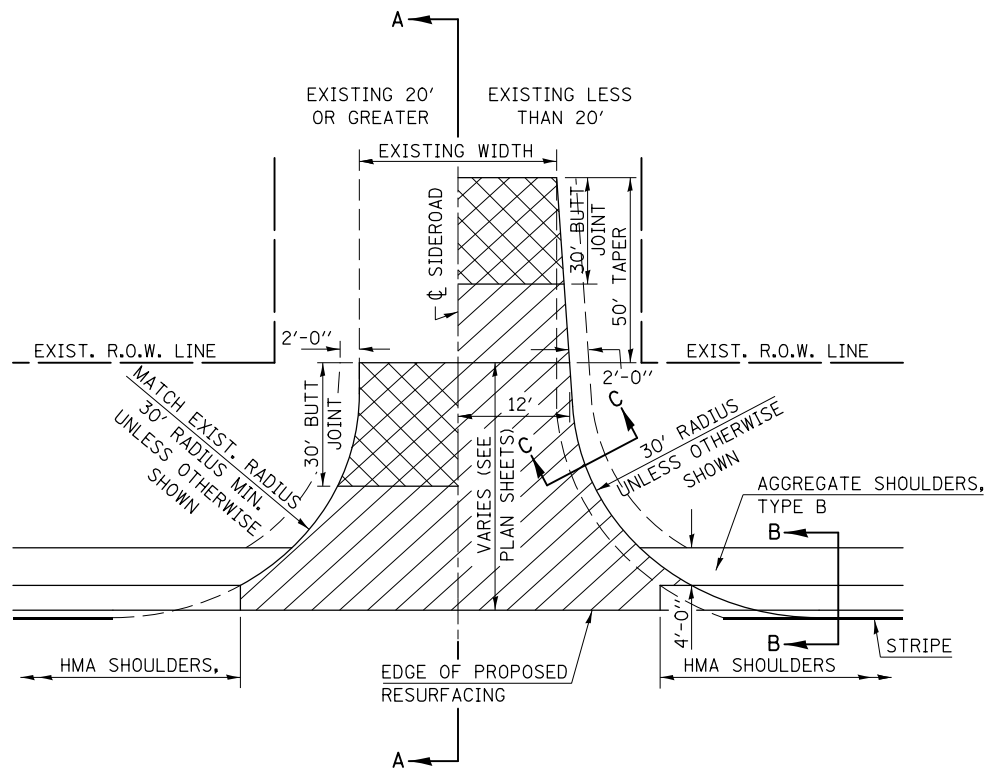
PROJECTS WITHOUT RECONSTRUCTION



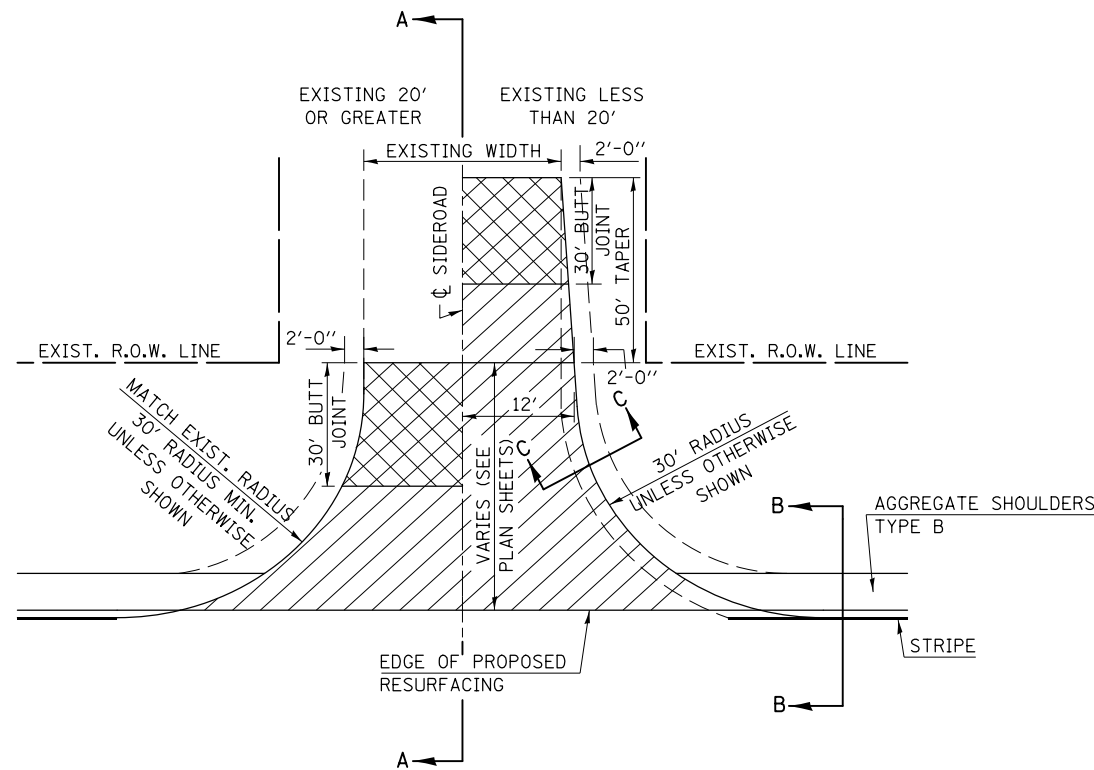
PROJECTS WITH RECONSTRUCTION

("3R" IMPROVEMENTS)

WITH HMA SHOULDER



WITHOUT HMA SHOULDER



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.

• D5 PATCH AND RES 2014-7

DISTRICT 5 DETAIL NO. 408000AA

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

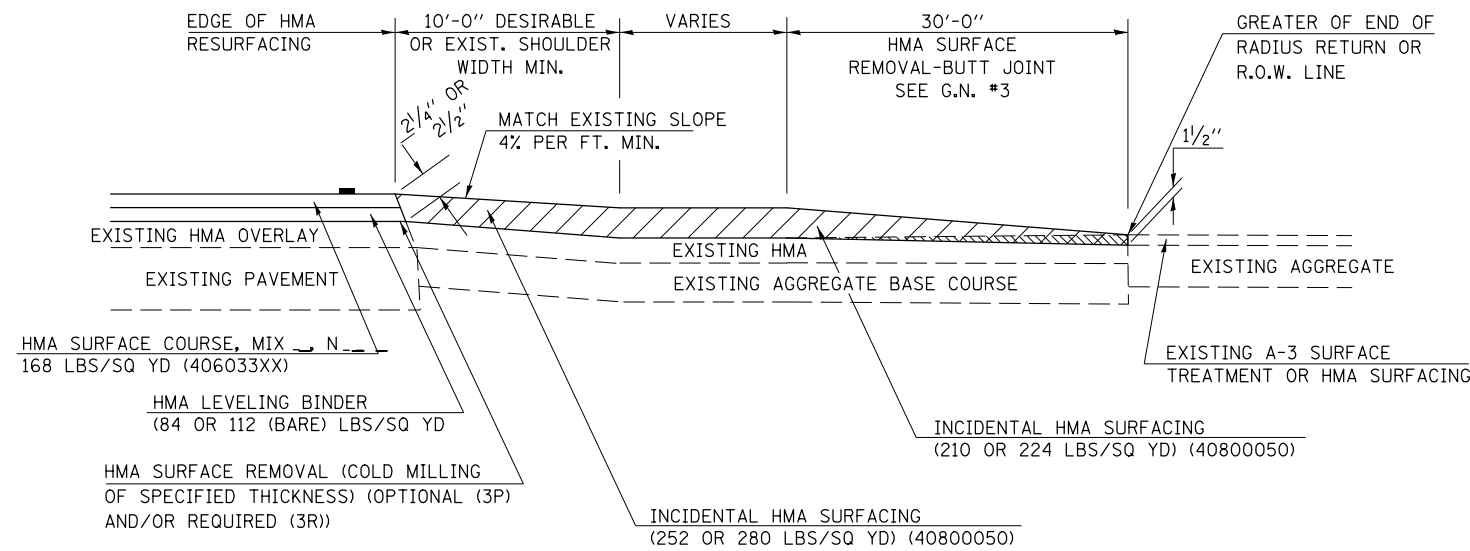
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEROADS & SIDESTREETS (RURAL)

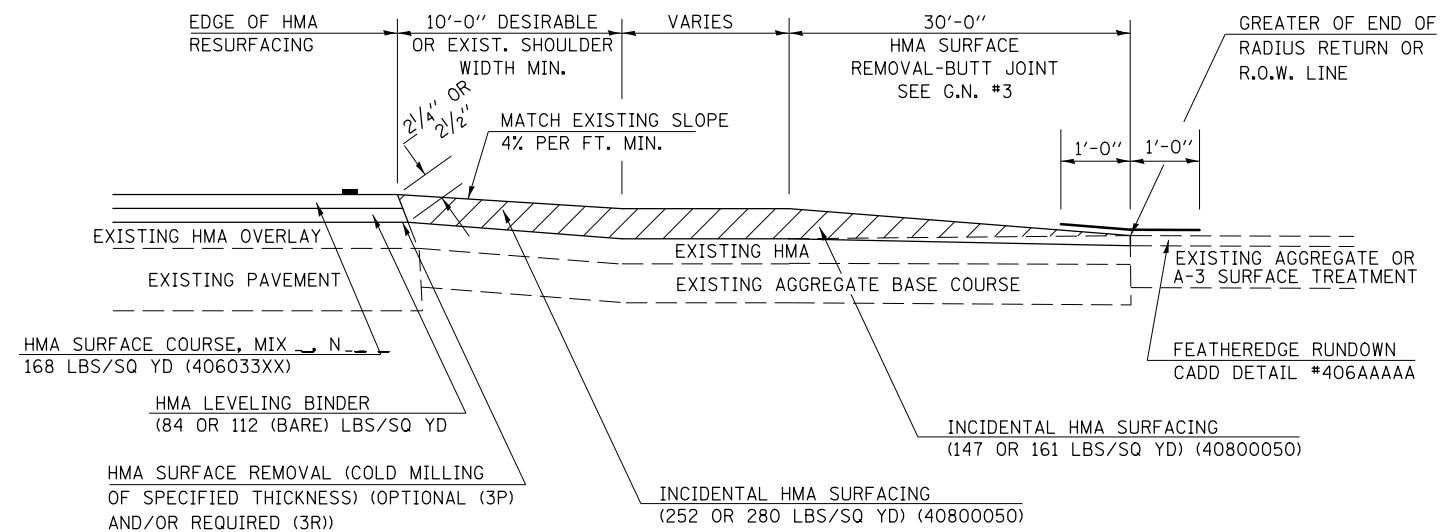
SCALE: N/A SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	*	CHAMP/PIATT	40	27
CONTRACT NO. 70841				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

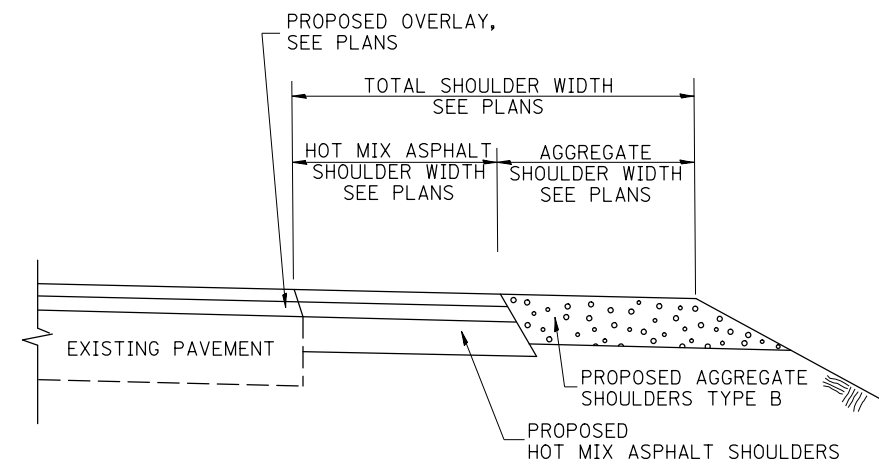
SECTION A-A
EXISTING HMA OR PCC SIDEROAD (>400 ADT)



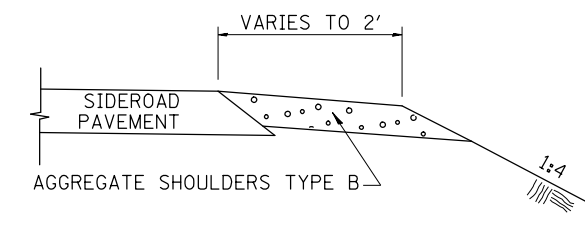
SECTION A-A
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (<400 ADT)



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					
RADIUS (FT)	30	30		resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA					
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							
SURFACE TYPE									
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.

* D5 PATCH AND RES 2014-7

DISTRICT 5 DETAIL NO. 408000AA

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED - 12/13/06 TJB
ei:\pwork\pwork\pwork\ceerlockjd\408000AA\70841-sht-details.dgn		DRAWN -	REVISED - 09/21/07 KAG
		CHECKED -	REVISED - 12/21/09 KJI
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEROADS & SIDESTREETS (RURAL)

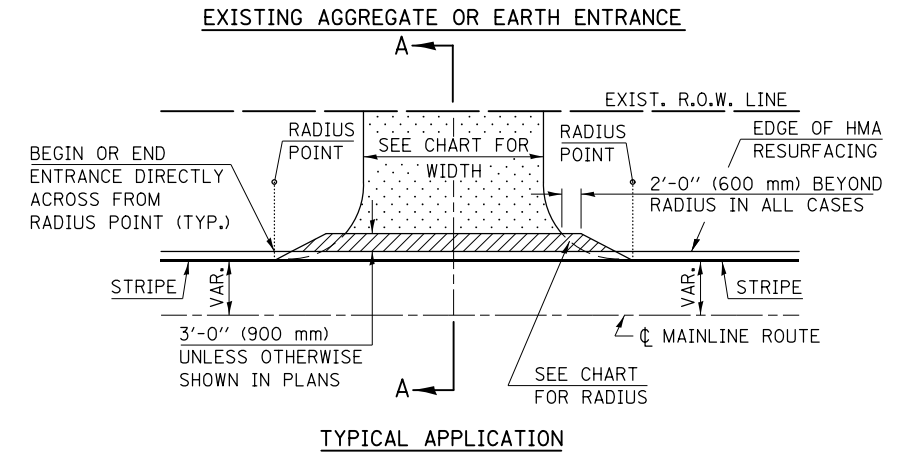
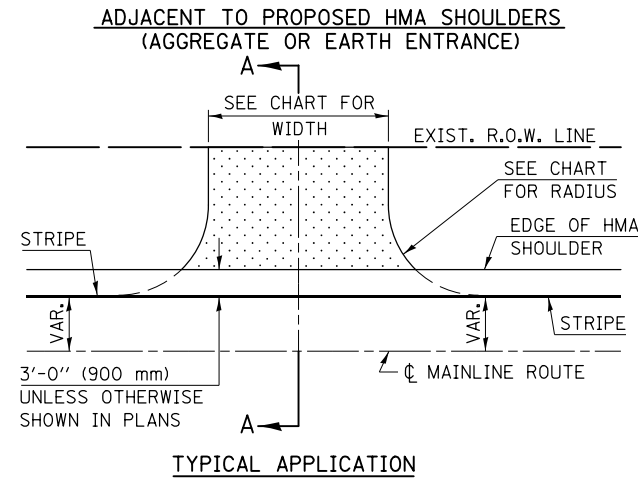
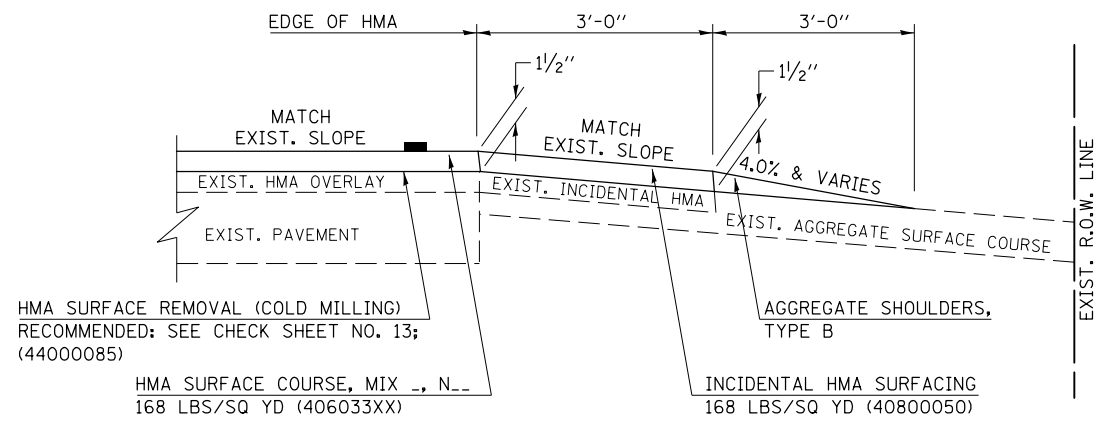
SCALE: NA SHEET NO. 2 OF 2 SHEETS STA. _____ TO STA. _____

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	*	CHAMP/PIATT	40	28
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 70841	

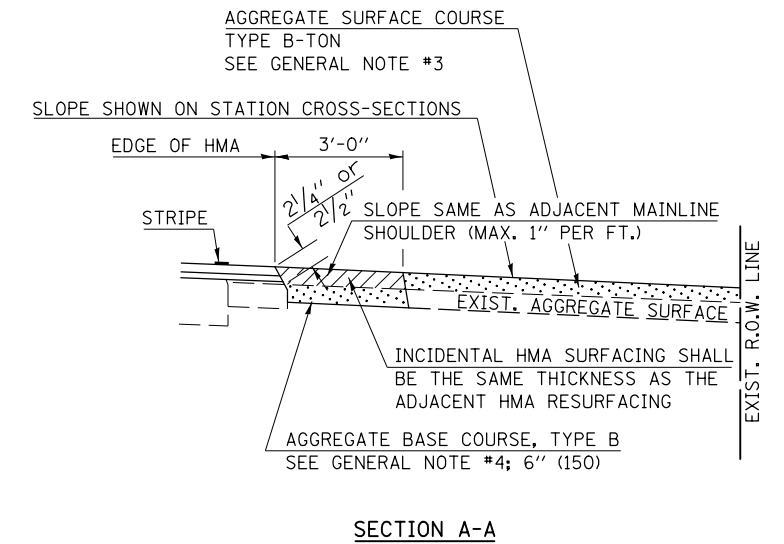
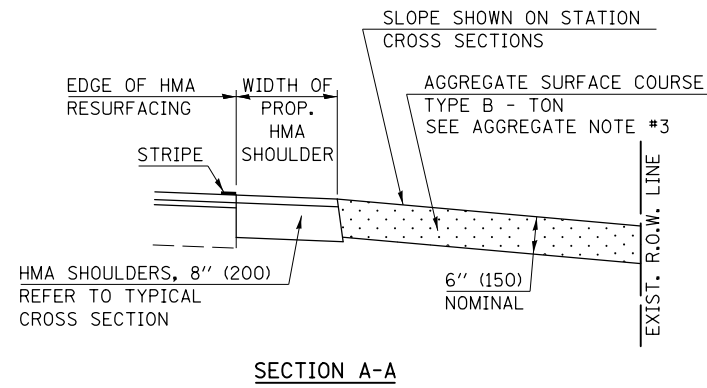
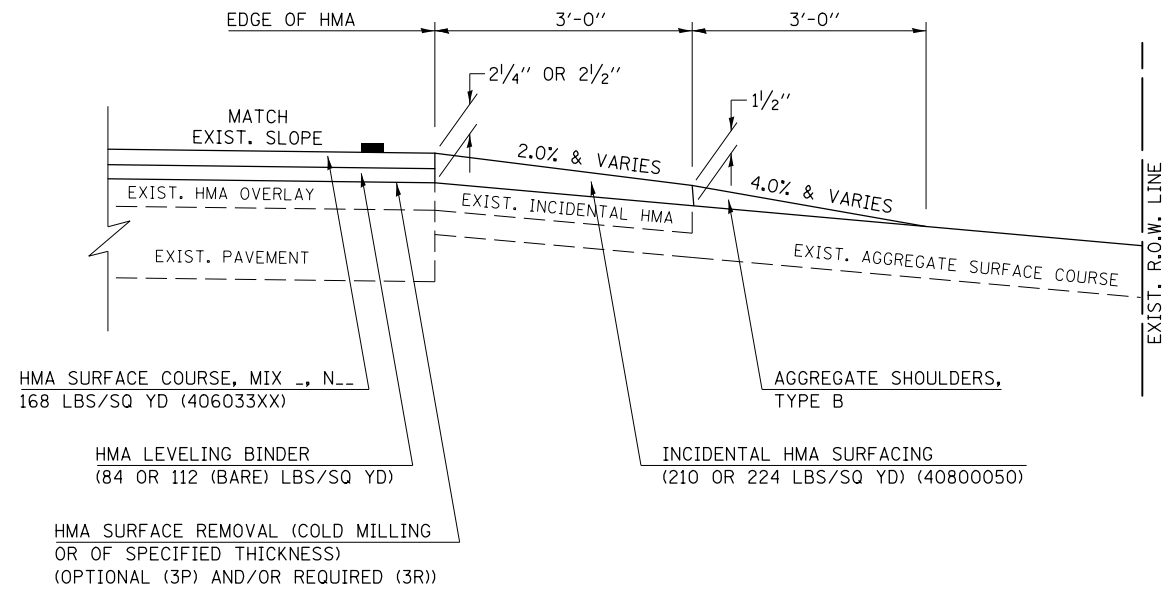
PROJECTS WITHOUT RECONSTRUCTION
 ("3R" WITHOUT RECONSTRUCTION, 3P, SMART AND CM)

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

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)



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.
 • D5 PATCH AND RES 2014-7

DISTRICT 5 DETAIL NO. 40800050A

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED - 12/01/06 TJB
ei:\pw\work\p\id\ceerlockjd\40285170\0570841-shd-details.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.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	.	CHAMP/PIATT	40	29
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70841	

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			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)							1 LANE, 1 WAY						1 LANE, 1 WAY			
							14 16 24									
							2 LANE, 2 WAY						2 LANE, 2 WAY			
							24 30 35									
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								
SURFACE TYPE																
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								

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

- D5 PATCH AND RES 2014-7

DISTRICT 5 DETAIL NO. 40800050A

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISD - 12/01/06 TJB
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	PLOT SCALE = 800.0000' / in.	CHECKED -	REVISD - 04/30/08 KJT
	PLOT DATE = 5/15/2014	DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

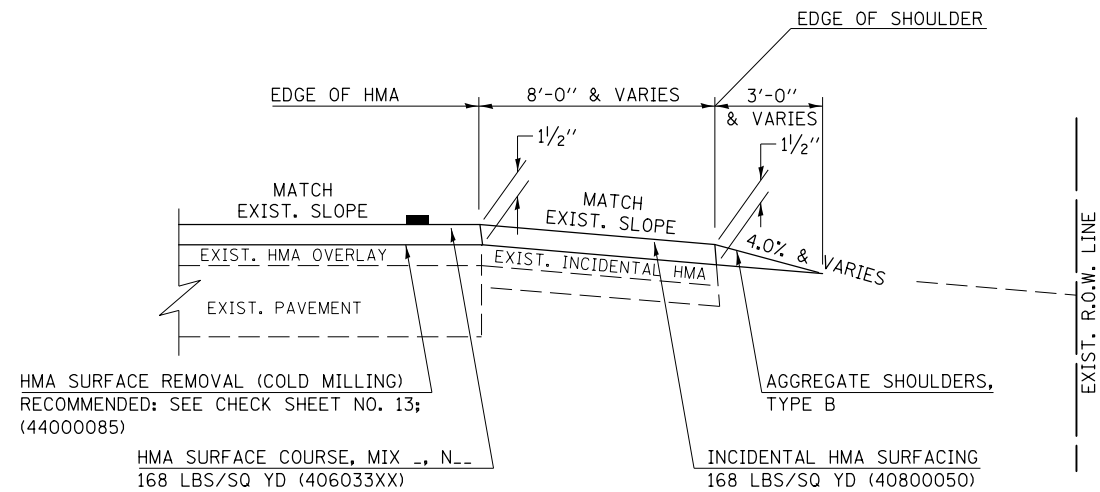
FIELD ENTRANCES (NONCOMMERCIAL RURAL)

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

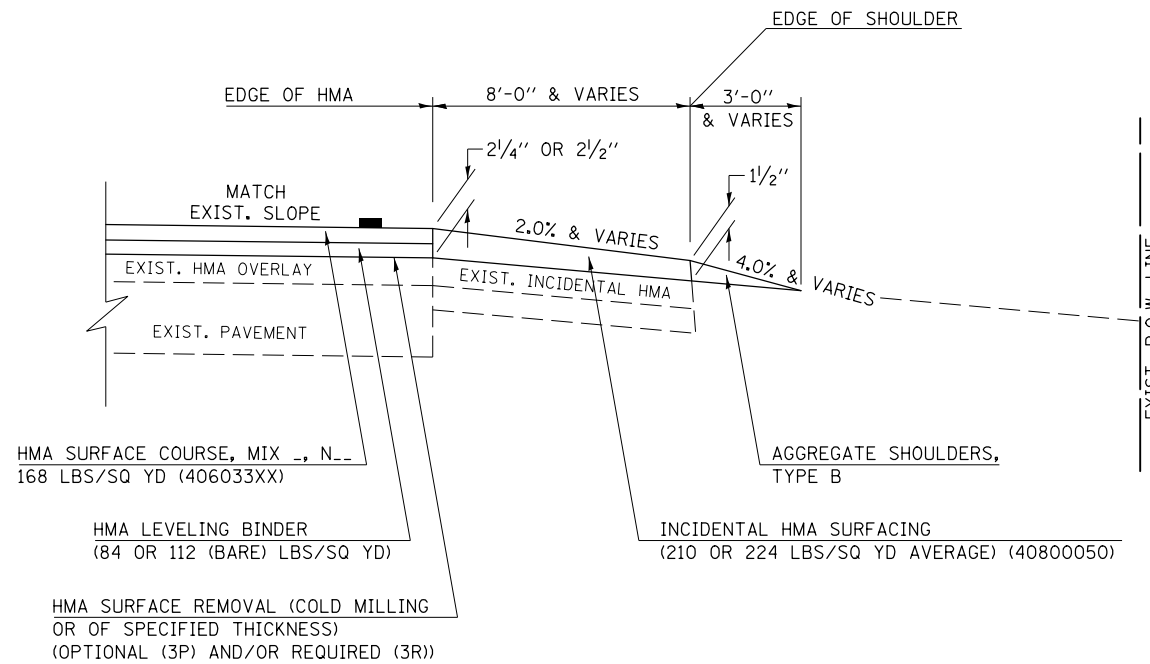
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	•	CHAMP/PIATT	40	30
CONTRACT NO. 70841			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT	

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)

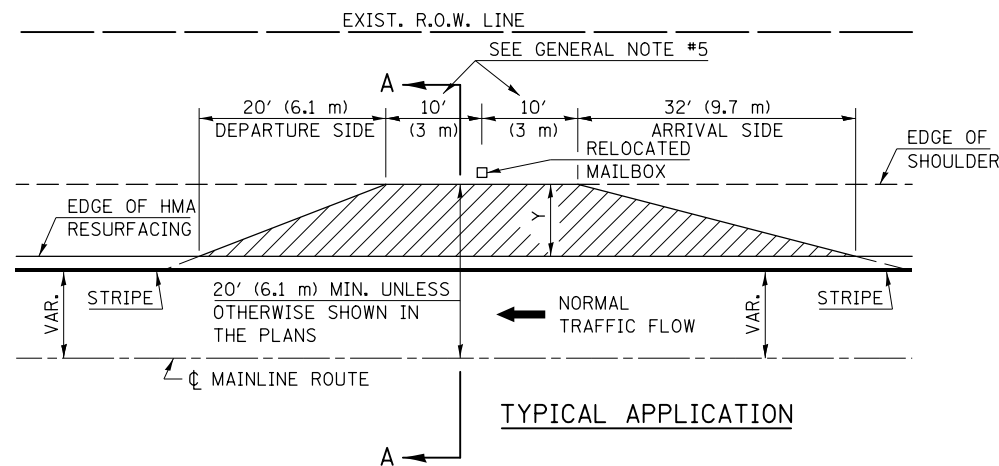


GENERAL NOTES

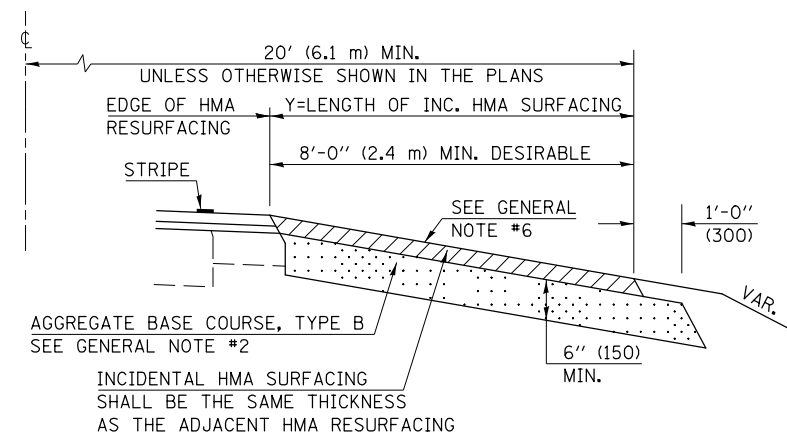
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY 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 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

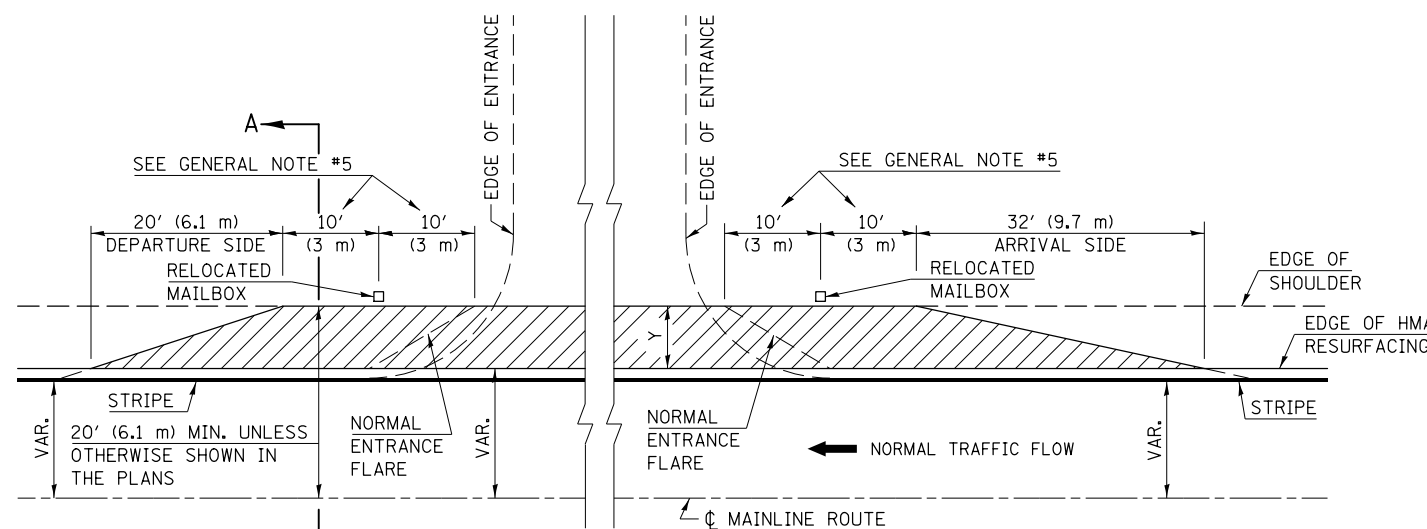
("3R" IMPROVEMENTS)



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)



SECTION A-A



TYPICAL MAILBOX TURNOUT PLACEMENT ADJACENT TO ENTRANCE

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

• D5 PATCH AND RES 2014-7

DISTRICT 5 DETAIL NO. 40800050B

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED - 12/11/06 TJB
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	PLOT DATE = 5/15/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

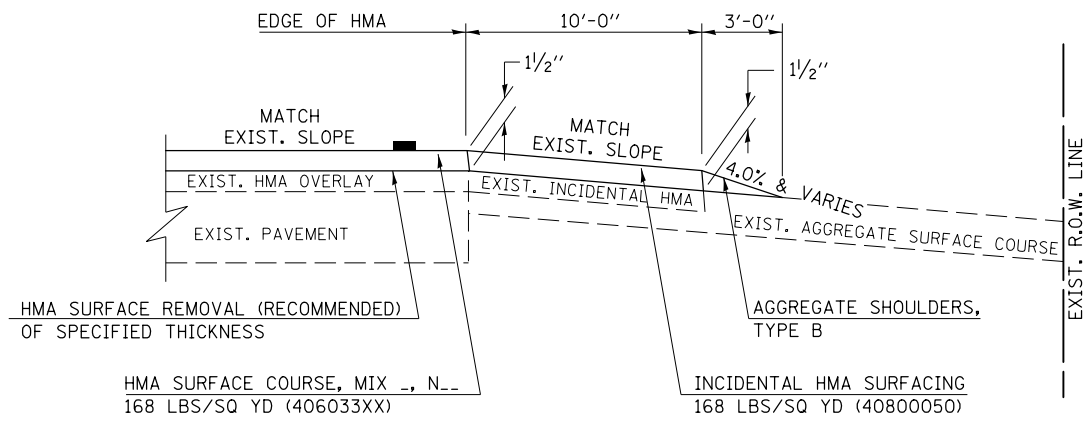
MAILBOX TURNOUT (RURAL)

SCALE: 1/4" = 1'-0" SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513		CHAMP/PIATT	40	31
CONTRACT NO. 70841			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

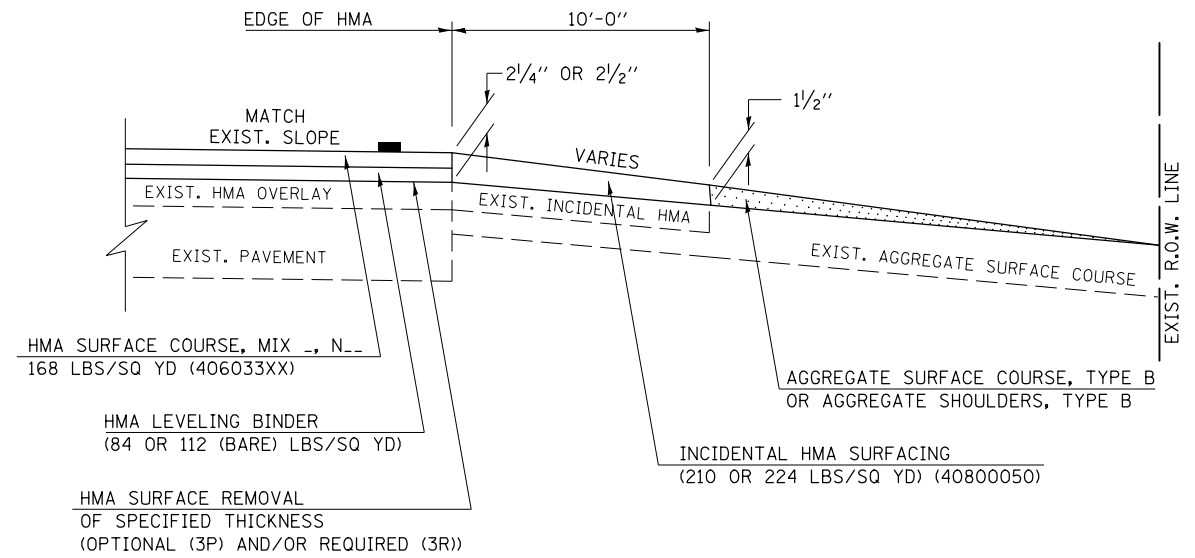
PROJECTS WITHOUT RECONSTRUCTION

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

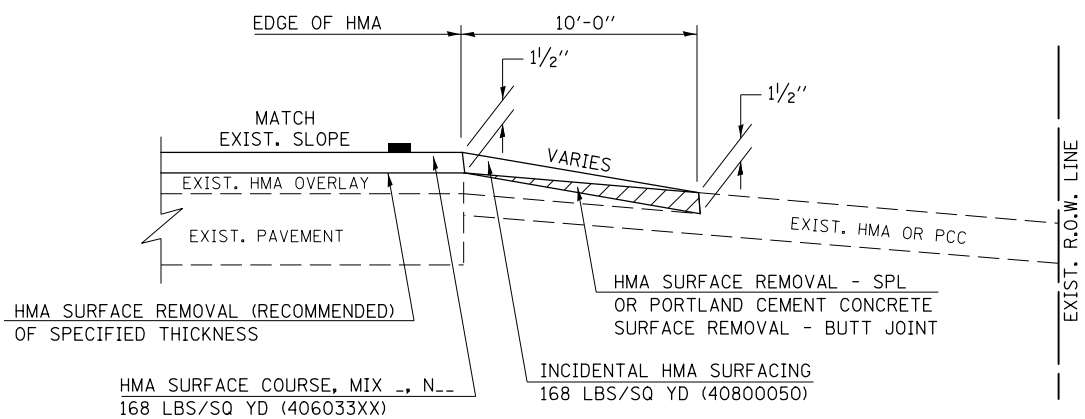


EXISTING AGGREGATE ENTRANCE

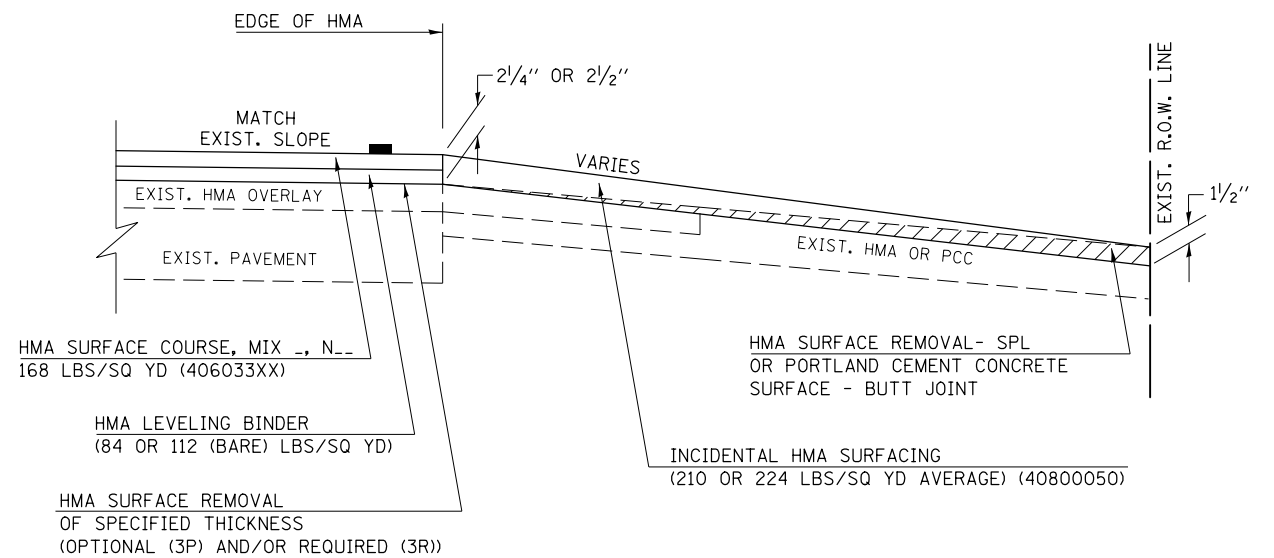
"3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2 1/4" OR 2 1/2" ON BARE CONCRETE)



EXISTING AGGREGATE ENTRANCE



EXISTING HMA OR PCC ENTRANCE



EXISTING HMA OR PCC ENTRANCE

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

* D5 PATCH AND RES 2014-7

DISTRICT 5 DETAIL NO. 40800050C

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED - 12/08/06 TJB
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		CHECKED -	REVISED - 05/02/08_KJI
		DATE -	REVISED - 04/23/10_KJI

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

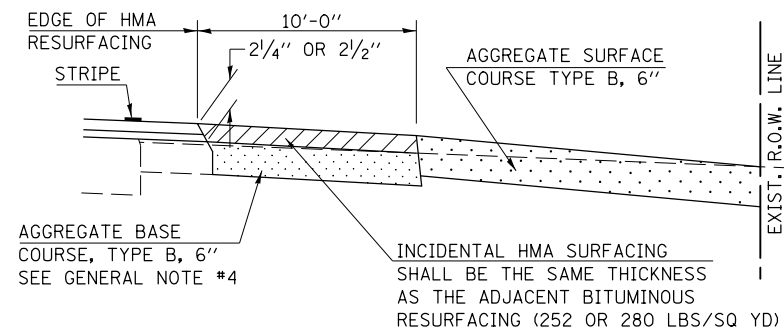
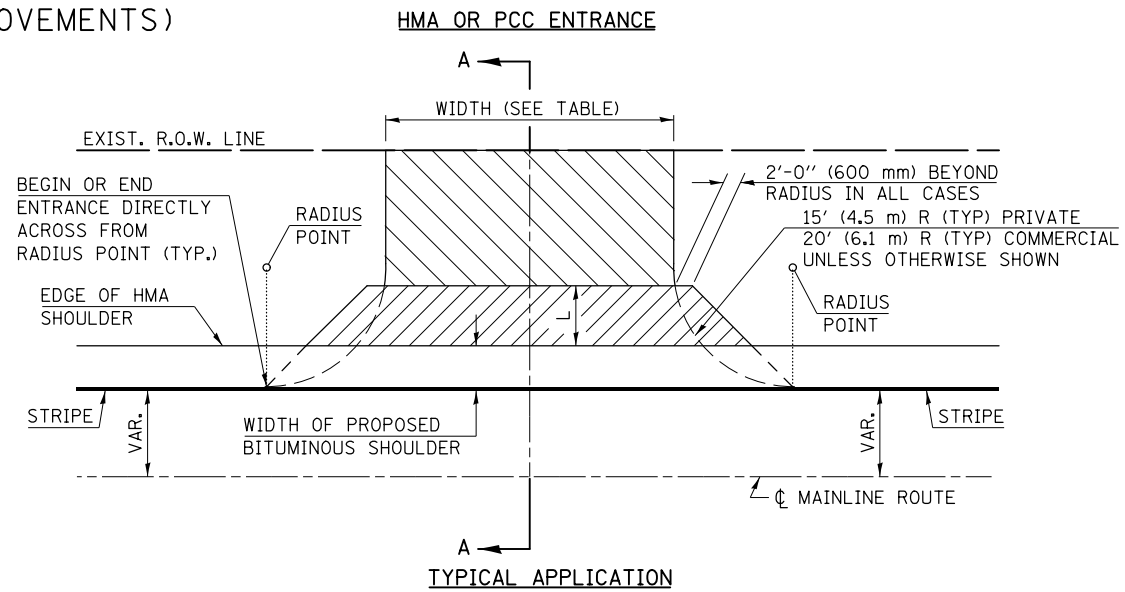
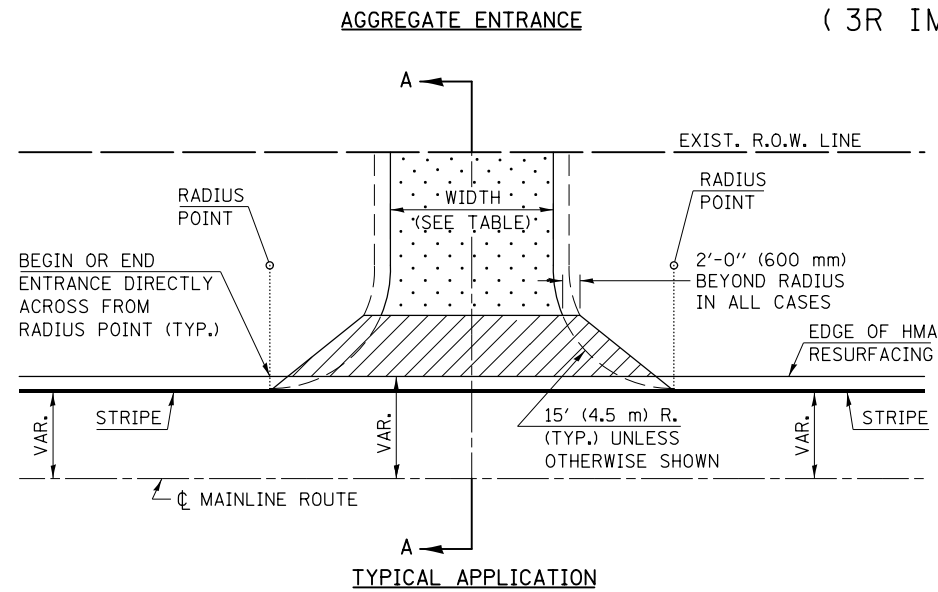
PRIVATE AND COMMERCIAL ENTRANCES
(NONCOMMERCIAL AND COMMERCIAL RURAL)

SCALE: N/A SHEET NO. 1 OF 2 SHEETS STA. TO STA.

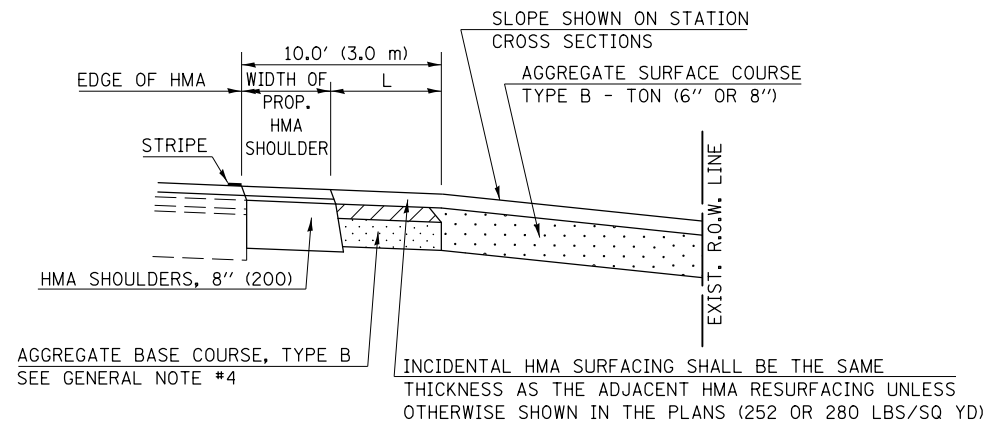
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	*	CHAMP/PIATT	40	32
CONTRACT NO. 70841				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PROJECTS WITH RECONSTRUCTION

(3R IMPROVEMENTS)



SECTION A-A



SECTION A-A
"HMA EXAMPLE"

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, 30						2 LANE, 2 WAY								
							24, 30, 35								
SHOULDER WIDTH (FT)	2, 2, 4, 2, 2						1, 3, 3								
SHOULDER SLOPE (%)	2, 4, 6, 4, 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)	1:10, 1:6, 1:4, 1:6, 1:4						1:10, 1:6, 1:4								
SURFACE TYPE															
INCIDENTAL HMA SURFACING (INCH)	2, 2, 4, 2, 2						3 or 4			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					
AGGREGATE SURFACE COURSE, TYPE B (INCH)	6, 6, 6, 6, 6						8			if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02					
PCC DRIVEWAY PAVEMENT (INCH)	6, 6, 6, 6, 6						6 or 8								

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

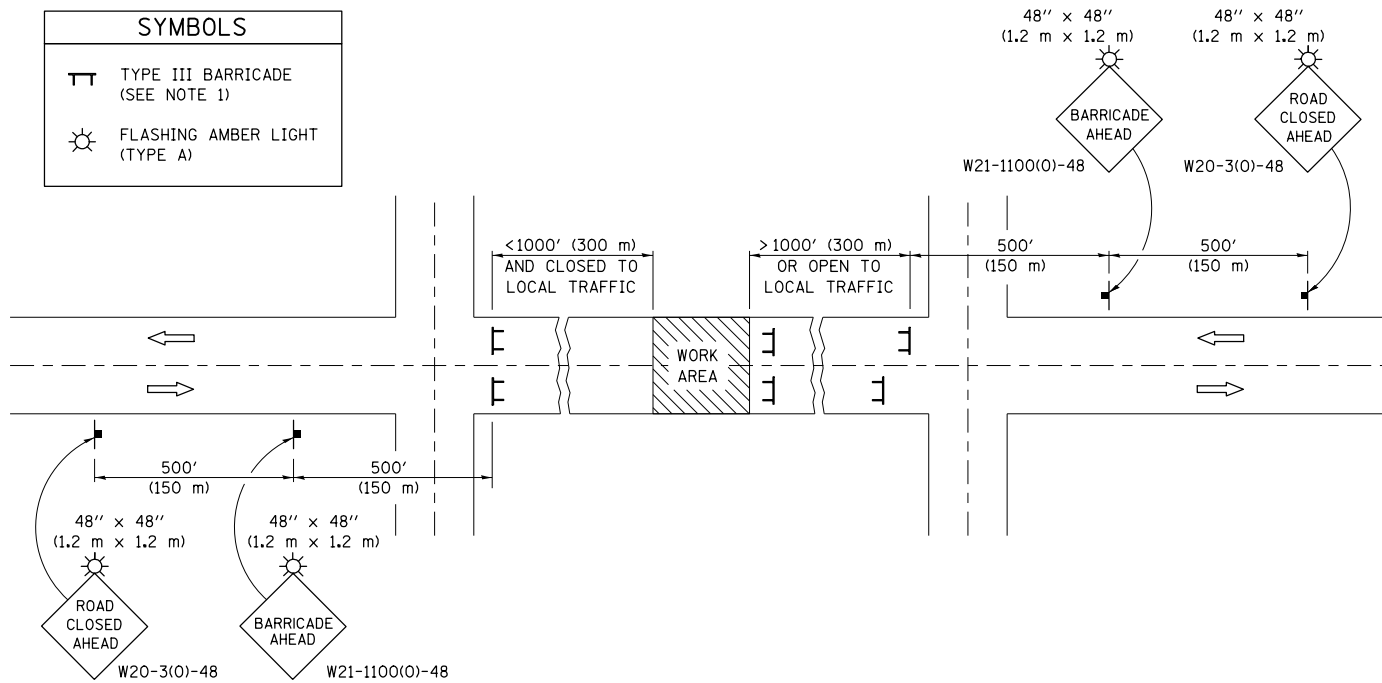
* D5 PATCH AND RES 2014-7

DISTRICT 5 DETAIL NO. 4080050C

ROAD CLOSURE

SIDEROAD / STREET CLOSURE

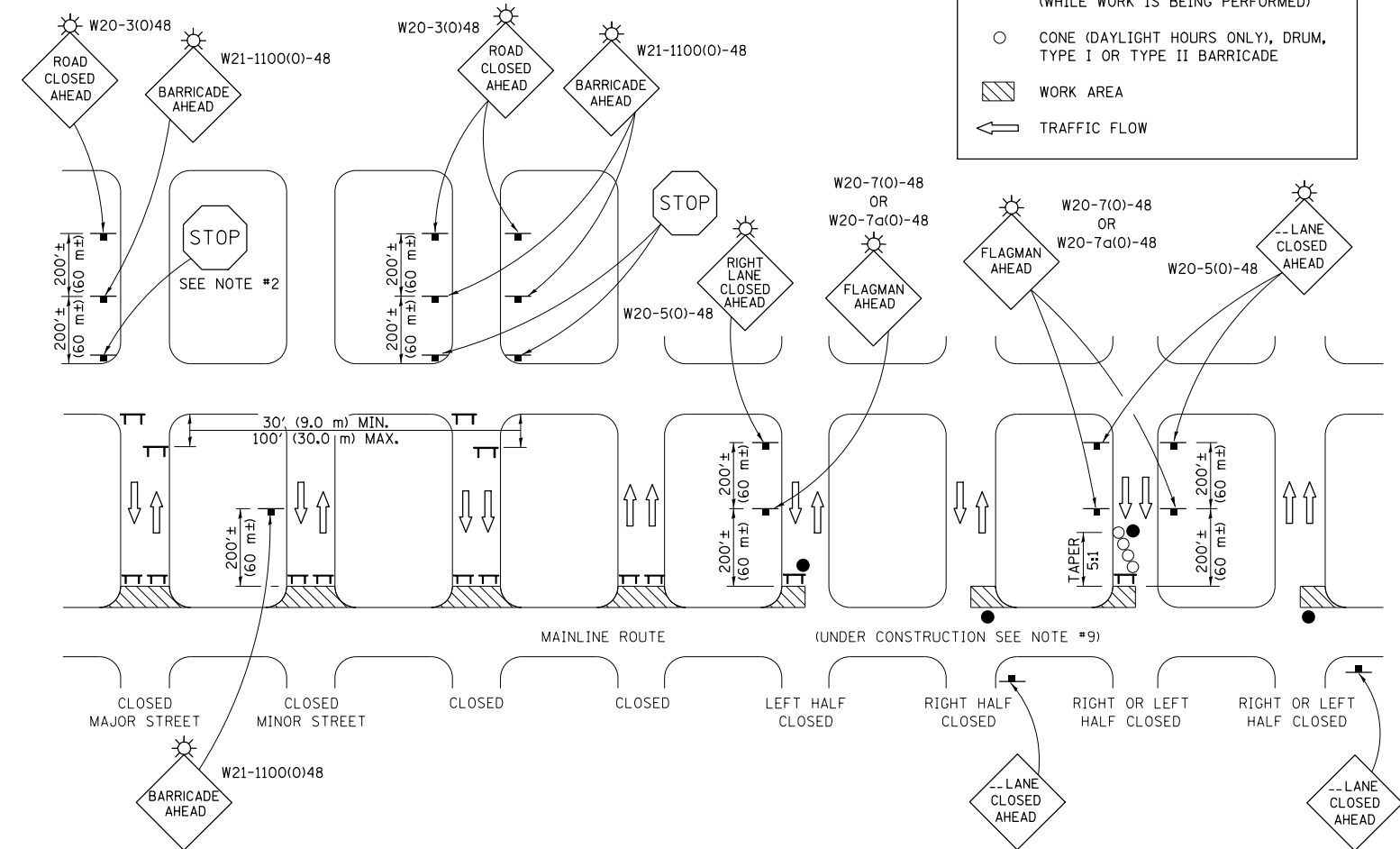
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

SYMBOLS	
	TYPE III BARRICADE (SEE NOTE)
	FLASHING LIGHT
	FLAGGER WITH TRAFFIC CONTROL SIGN (WHILE WORK IS BEING PERFORMED)
	CONE (DAYLIGHT HOURS ONLY), DRUM, TYPE I OR TYPE II BARRICADE
	WORK AREA
	TRAFFIC FLOW



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT 725 AND BT 726 ARE REQUIRED.
- THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

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

• D5 PATCH AND RES 2014-7

DISTRICT 5 DETAIL NO. 7020000

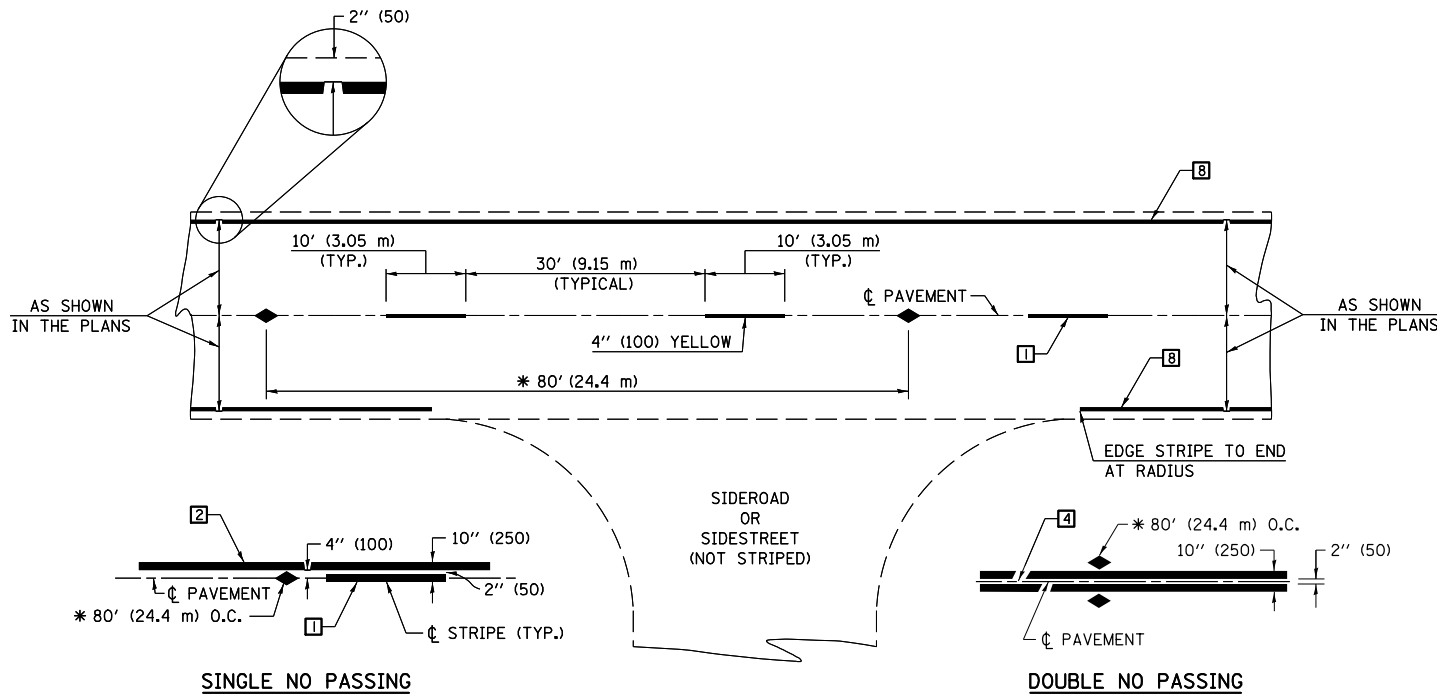
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	PLOT DATE = 5/15/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION DEVICES
(ROAD & SIDEROAD/STREET CLOSURES)

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	*	CHAMP/PIATT	40	34
CONTRACT NO. 70841				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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

TWO LANE/TWO WAY

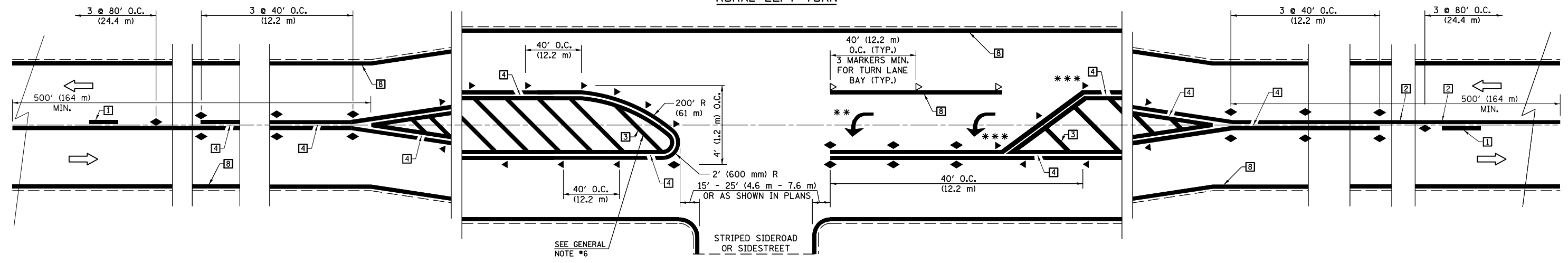
TYPICAL PAVEMENT MARKING LEGEND

- 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.

* D5 PATCH AND RES 2014-7

DISTRICT 5 DETAIL NO. 7800AAA

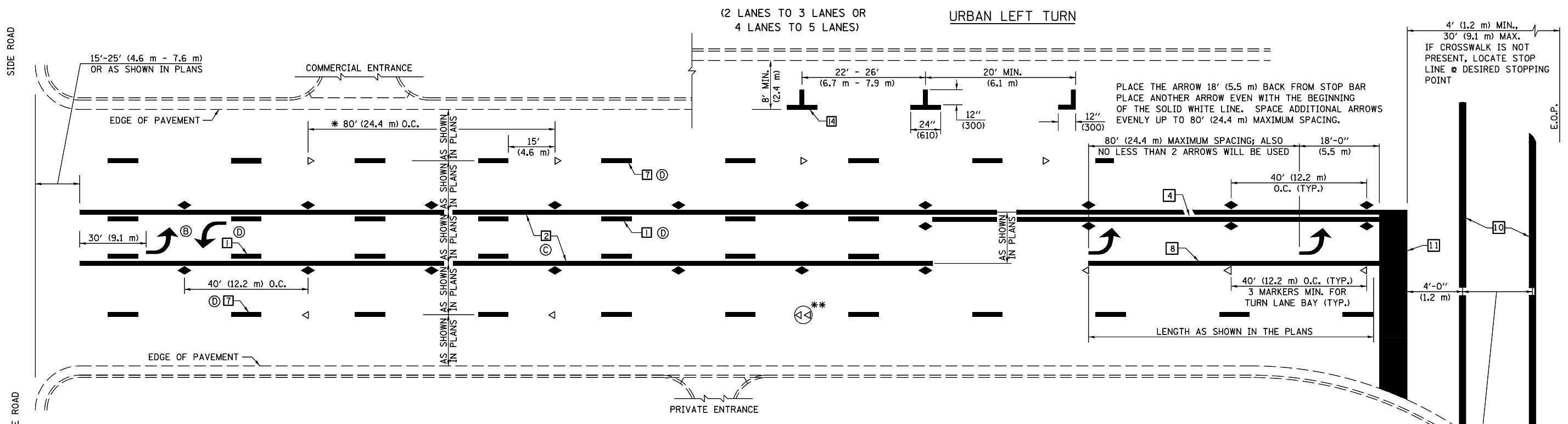
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	PLOT SCALE = 800.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/15/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	*	CHAMP/PIATT	40	35
CONTRACT NO. 70841				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

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

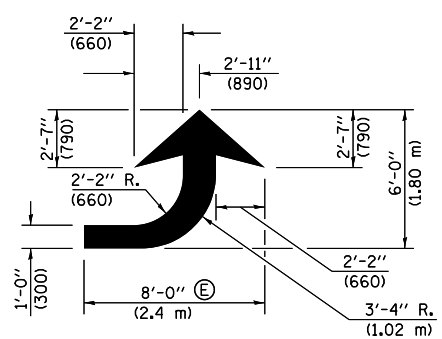


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

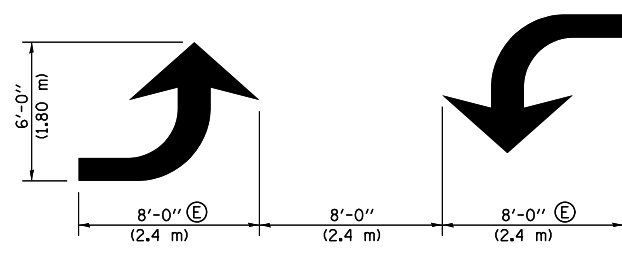
GENERAL NOTES:

- ⓑ 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.
- ⓒ 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. SEE EXAMPLE ON SHEET 2 OF 3.
- ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



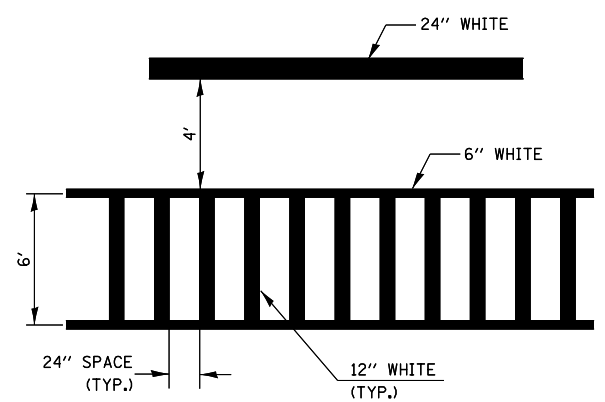
LEFT ARROW

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

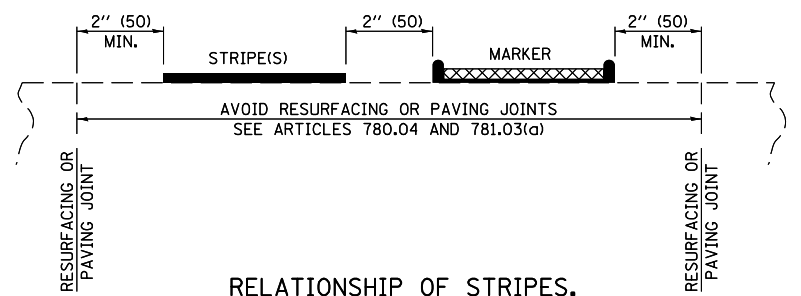


TYPICAL DOUBLE TURN ARROWS (WHITE)

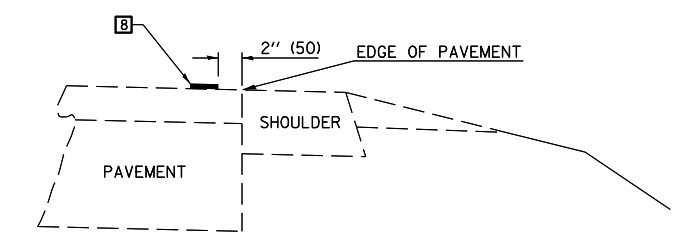
BLOOMINGTON-NORMAL CITY LIMITS ONLY



TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT (SAFETY SHOULDER OR PAVED SURFACE) SEE ARTICLE 780.04

CROSSWALK WIDTH 6'-0" (1.8 m) OR AS SHOWN IN THE PLANS

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

* D5 PATCH AND RES 2014-7

DISTRICT 5 DETAIL NO. 7800AAA

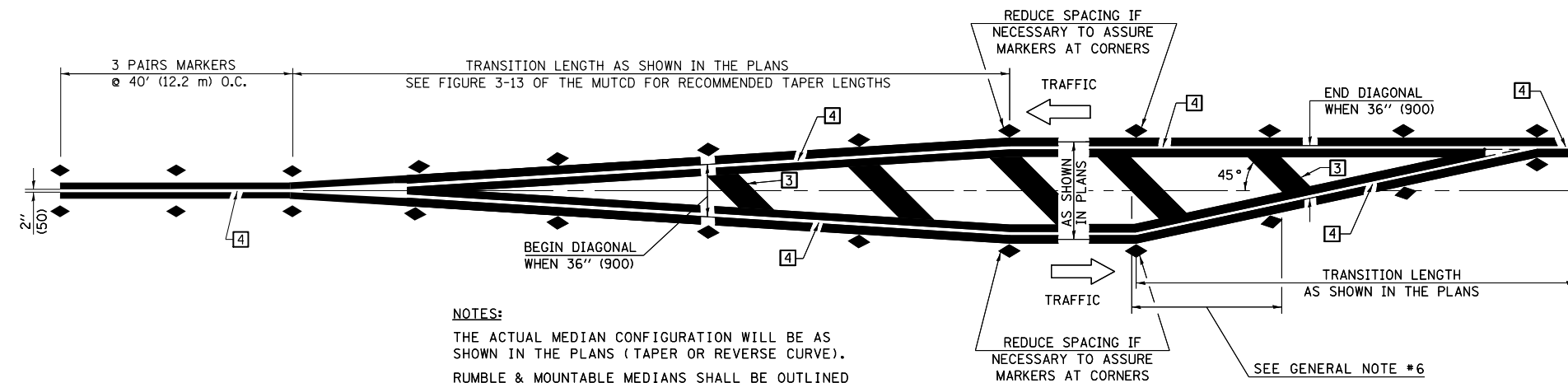
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	PLOT DATE = 5/15/2014	DATE -	REVISED -

**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.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	*	CHAMP/PIATT	40	36
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT			CONTRACT NO. 70841	

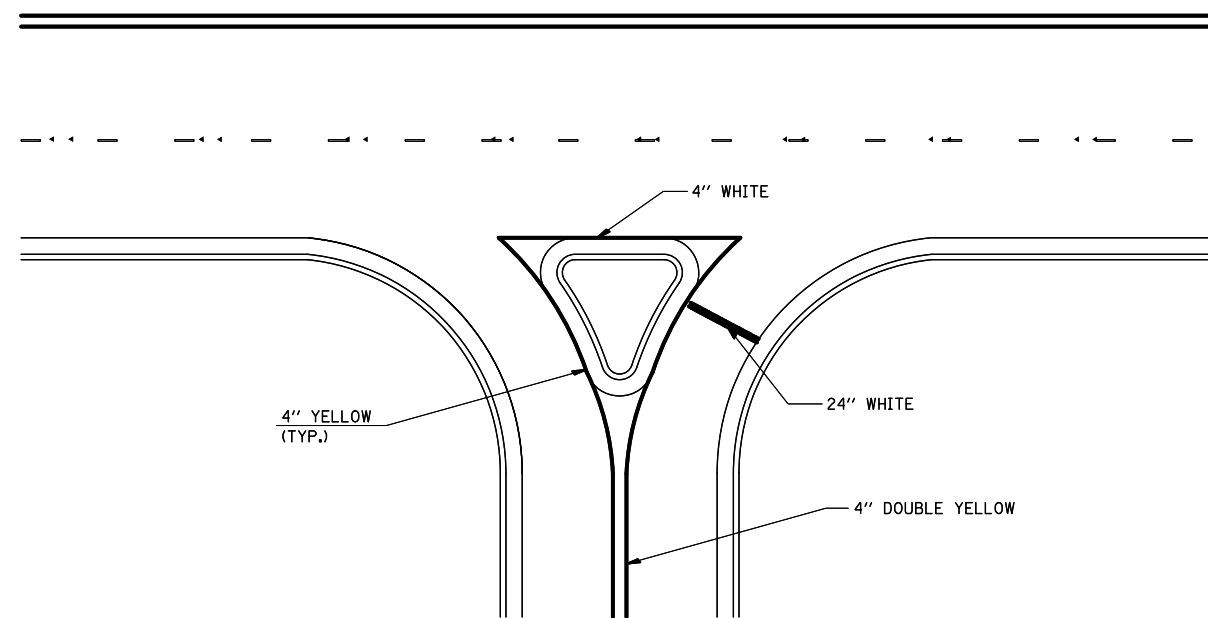


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

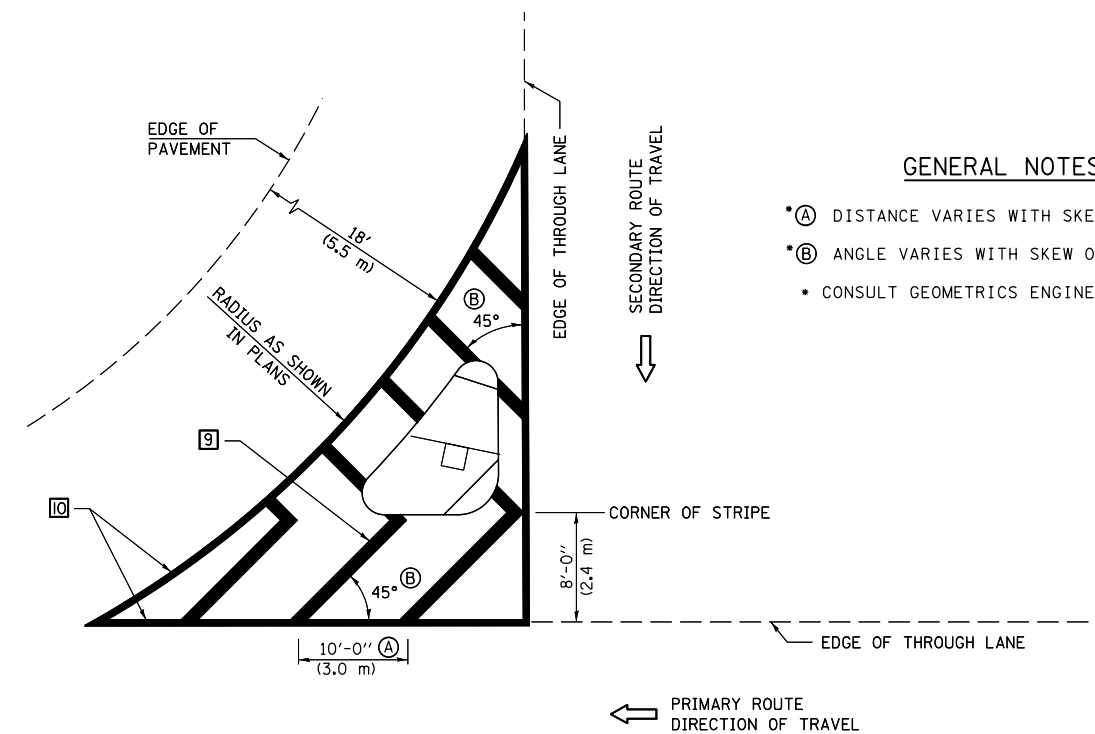
TYPICAL MEDIAN TRANSITIONS

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.

* D5 PATCH AND RES 2014-7

DISTRICT 5 DETAIL NO. 7800AAAA

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	PLOT DATE = 5/15/2014	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

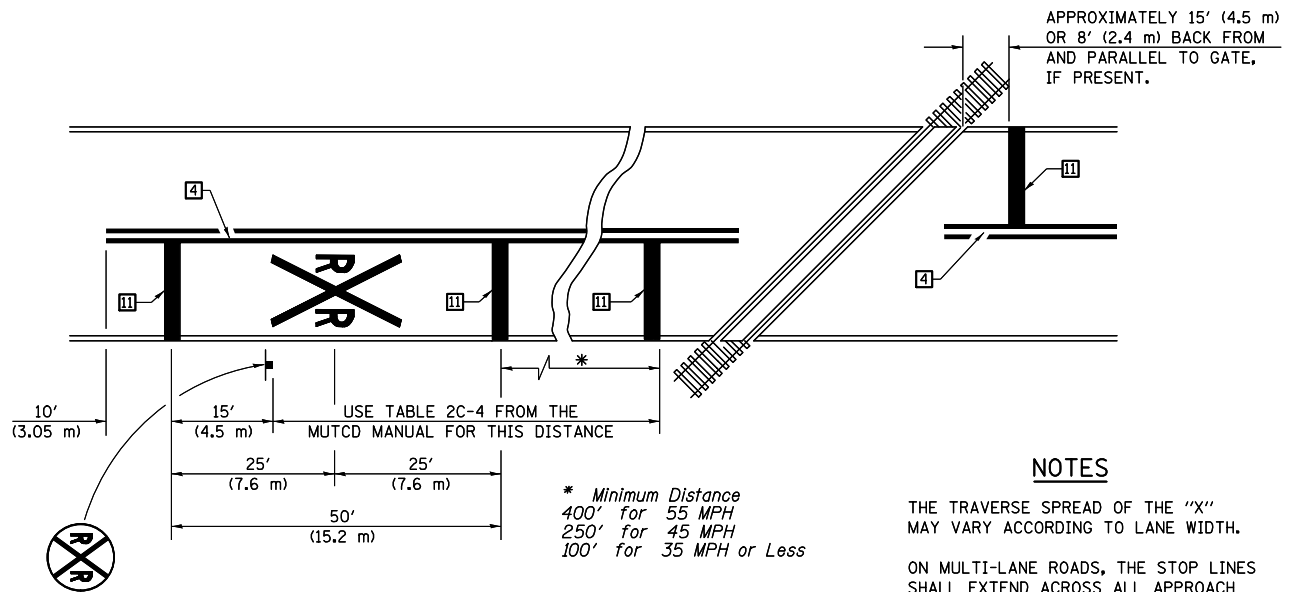
**PAVEMENT MARKING AND MARKERS
 (RURAL & URBAN APPLICATIONS)**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	*	CHAMP/PIATT	40	37
				CONTRACT NO. 70841
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



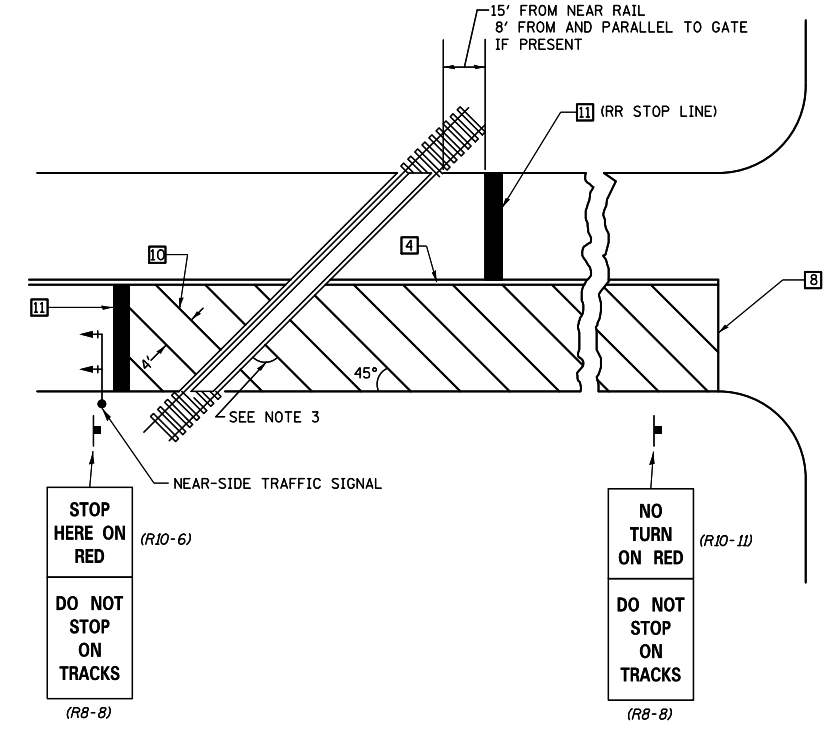
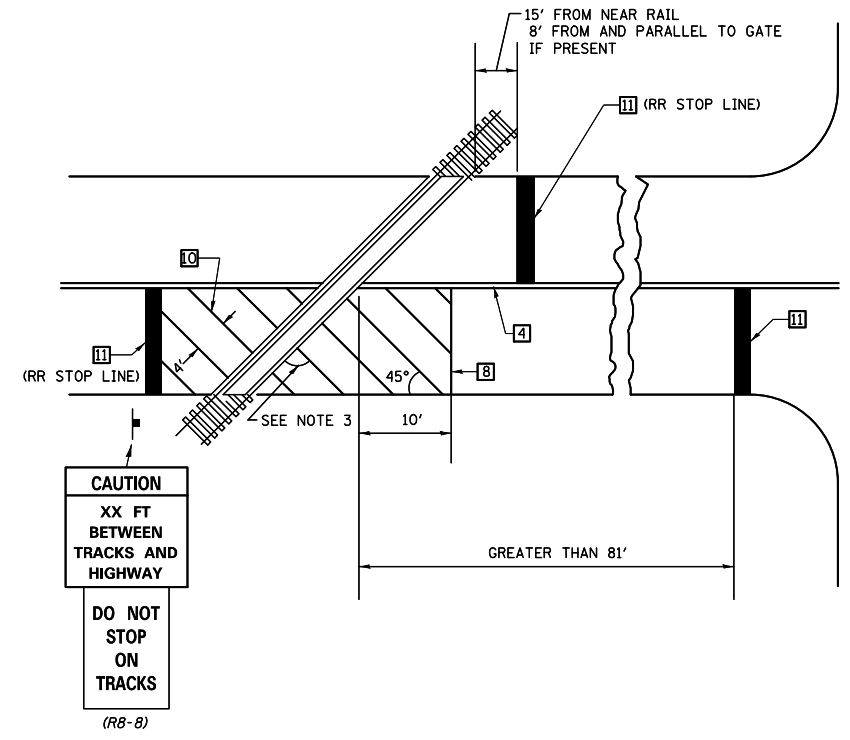
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

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

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

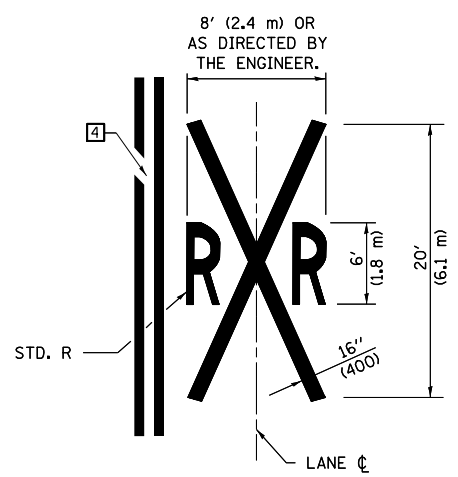
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



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.

• D5 PATCH AND RES 2014-7

DISTRICT 5 DETAIL NO. 7800AAAA

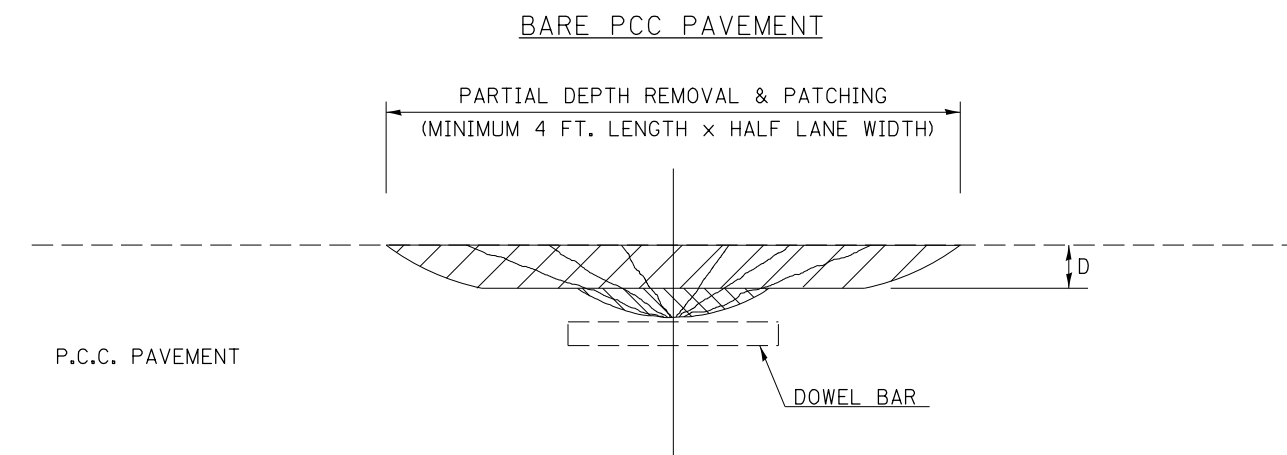
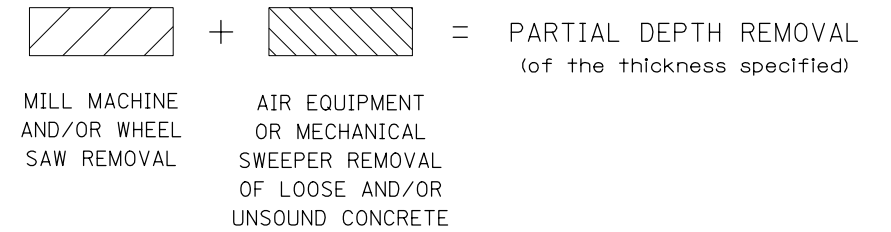
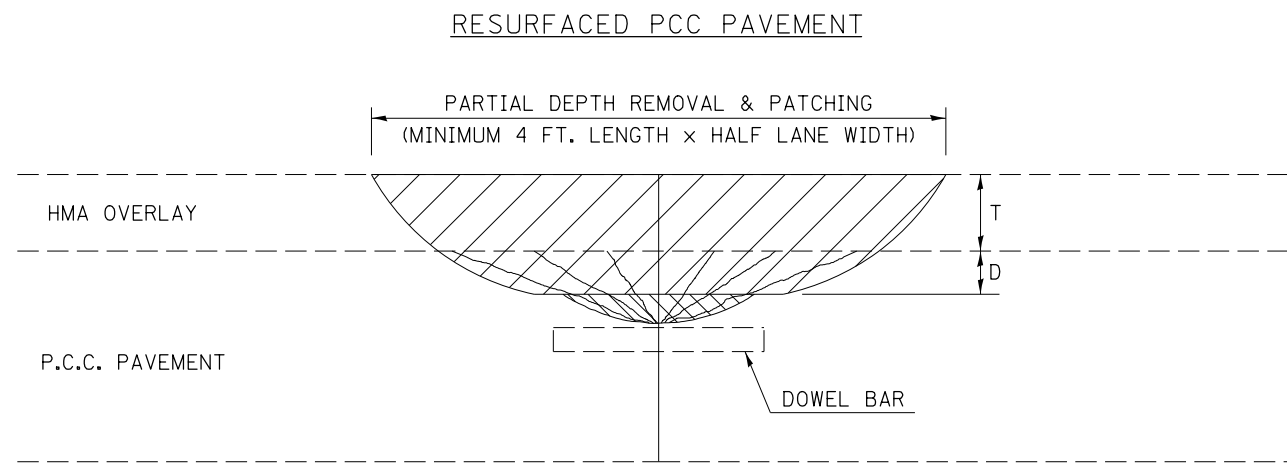
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	PLOT DATE = 5/15/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	*	CHAMP/PIATT	40	38
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 70841	



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 (WHEN REQUIRED).
(3" (75 mm) ± OR TO SOUND CONCRETE)

TRANSVERSE CONTRACTION JOINT SHOWN - OTHER LOCATIONS SIMILAR.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.
• D5 PATCH AND RES 2014-7

DISTRICT 5 DETAIL NO. XX442100

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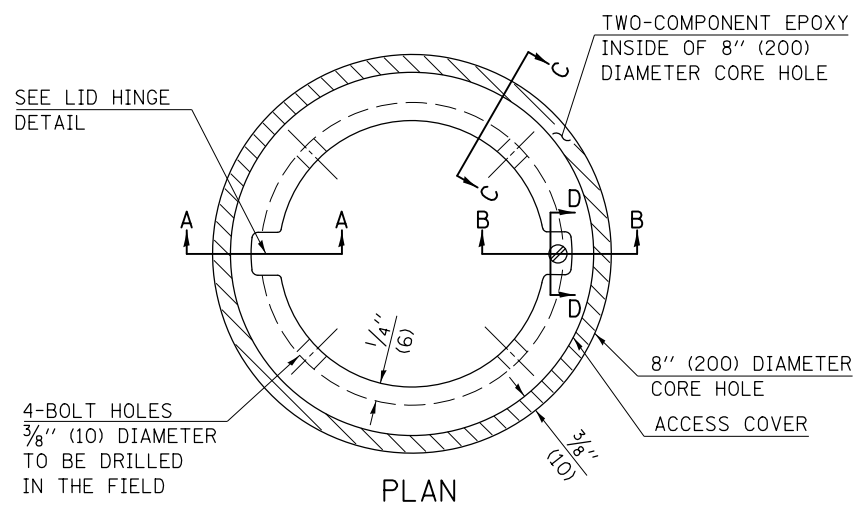
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PCC PARTIAL DEPTH HOT-MIX ASPHALT PATCHING

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

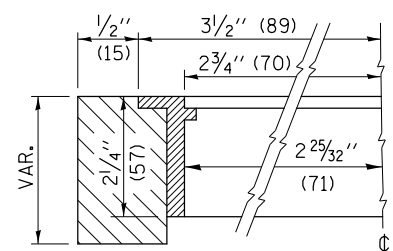
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	5RS-3	CHAMP/PIATT	40	39
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 70841	

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



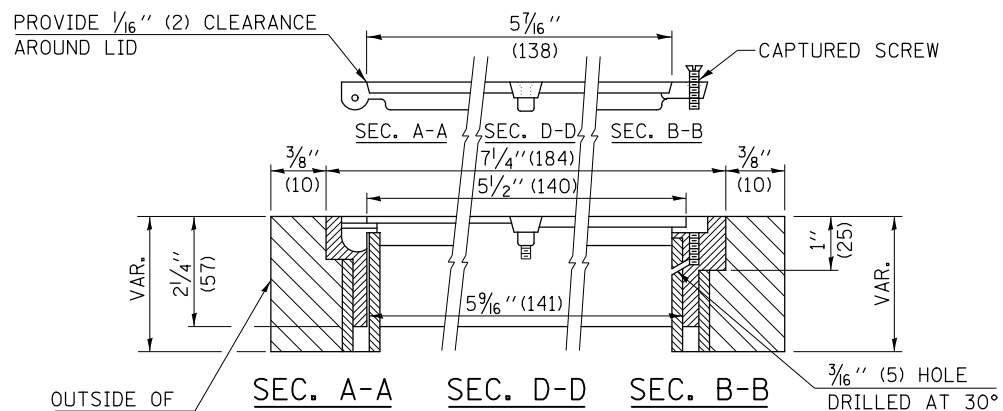
LEGEND

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

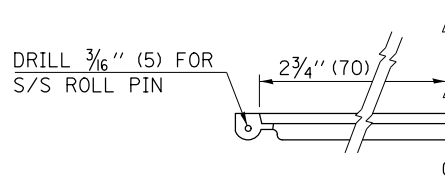


SECTION C-C

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; Q0-A-601Es. NO EXCEPTIONS.



ELEVATION



LID HINGE DETAIL

BILL OF MATERIAL

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

GENERAL NOTES

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

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

• D5 PATCH AND RES 2014-7

DISTRICT 5 DETAIL NO. Z0070100

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SURVEY MONUMENT COVER ASSEMBLY

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1513	5RS-3	CHAMP/PIATT	40	40
CONTRACT NO. 70841				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				