06-10-2016 LETTING ITEM 095

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	1
	ILLINOIS	CONTRACT NO. 70A49		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

F.A.S. ROUTE 522 (SIDNEY – LONGVIEW ROAD)
SECTION (41Q–1)(41–15,211)Q
PROJECT : ACSTP-0522(010)
RESURFACING (3P) SEAL COAT
CHAMPAIGN COUNTY

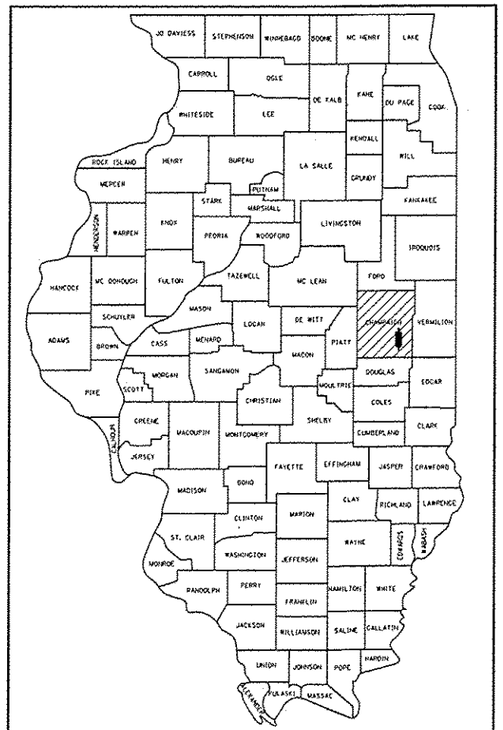
C–95–004–14

BROADLANDS ROAD TO DOUGLAS COUNTY LINE

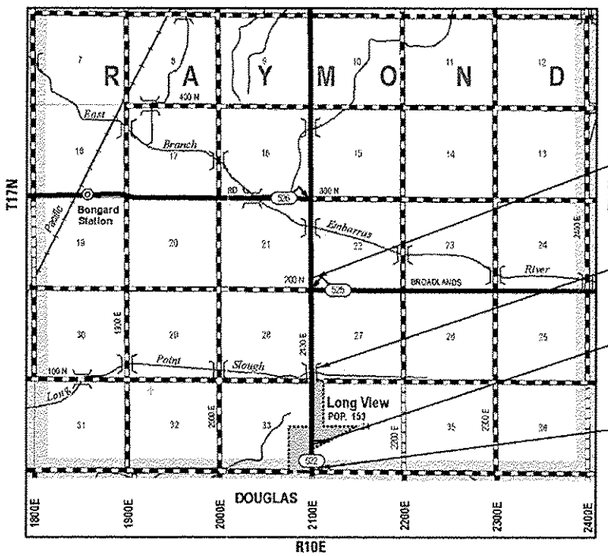
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR SUMMARY OF QUANTITIES, SEE SHEETS NO. 4 & 5

D–95–004–14



LOCATION OF SECTION INDICATED THUS: –



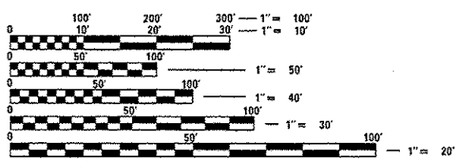
BEGIN PROJECT:
STA. 414 + 26.66

BRIDGE OMISSION: SN 010–0255
STA. 462 + 83.74 TO STA. 463 + 33.11

STATION EQUATION:
STA. 502 + 83.14 BK = STA. 0 + 00.00 AH

END PROJECT:
STA. 17 + 05.91

GROSS LENGTH = 10,562.39 FT. = 2.000 MILES
NET LENGTH = 10,513.02 FT. = 1.991 MILES



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.

DESIGN DESIGNATION
N/A

CURRENT ADT TRAFFIC DATA
500 (2013)
MAJOR COLLECTOR

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED MARCH 18 20 16
Kenneth A. Garnett
REGION THREE ENGINEER
May 6 20 16
Matthew N. Addis, P.E. for
ENGINEER OF DESIGN AND ENVIRONMENT
May 6 20 16
DIRECTOR OF PROGRAM DEVELOPMENT

2

PROJECT ENGINEER: JASON STULTS
SQUAD LEADER: RYAN CARROLL
DESIGNER: BRIGHT AVUSUGLO–AHIA
PHONE NUMBER: (217)465–4181

CONTRACT NO. 70A49

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

LIST OF STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15'(4.5m) TO 24"(600mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-05	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

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$MODELNAME$	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS & LIST OF STANDARDS

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. ----- | TO STA. -----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41O-1)41-15,21)1O	CHAMPAIGN	25	2
		CONTRACT NO. 70A49		
		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.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-107.37
UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTLILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800)892-0123 OR 811.

G.N.-403 (SPECIAL)
BITUMINOUS SURFACE TREATMENTS:
GRADATION CA-16 (MID-SPEC.) IS ASSUMED FOR SEAL COATS.

THE RESULTING TARGET APPLICATION RATES ARE AS FOLLOWS:

TYPE OF CONSTRUCTION	APPLICATION	BITUMINOUS MATERIAL	APPLICATION RATE	AGGREGATE	APPLICATION RATE
A-2	1ST	HFP OR CRSP OIL	0.5 GAL/SQ.YD	CA-16	25 LB/SQ.YD
	2ND	HFP OR CRSP OIL	0.4 GAL/SQ.YD	CA-16	25 LB/SQ.YD

NOTE: THE ENGINEER RESERVES THE RIGHT TO ADJUST THE TARGET APPLICATION RATES AND THE QUANTITIES.

*NOTE: DO NOT PUDDLE PRIME.

G.N.-406 (SPECIAL)
THE QUANTITIES INCLUDED IN THE PLANS FOR COLD-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 COLD-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-406H MIXTURE REQUIREMENTS

LOCATION	SIDNEY-LONGVIEW ROAD
MIXTURE USE	INCIDENTAL
AC/PG	PG 64-22
DESIGN AIR VOID	4.0% @ NDES=50
MIX COMP(GRADATION)	IL 9.5
FRICTION AGGREGATE	MIX C
MIXTURE WEIGHT	112
QUALITY MANAGEMENT PROGRAM	QC/QA
SUBLOT SIZE	N/A

G.N.-667
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTIONS AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONEL WILL BE RESPONSIBLE FOR LAYOUT OF THESE MARKERS.

G.N.-1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

COMMITMENTS
THERE ARE NO COMMITMENTS ASSOCIATED WITH THIS PROJECT.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA.----- TO STA.-----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41)0-1)(41-15,21))0	CHAMPAIGN	25	3
		CONTRACT NO. 70A49		
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

LOCATION: FAS 522 (SIDNEY-LONGVIEW ROAD)
CHAMPAIGN COUNTY
STA. 414+26.66 TO STA. 17+05.91
RURAL - TWO LANE
FUNDING BREAKOUT: 80% FED / 20% STATE
CONSTRUCTION CODE: 0005

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	35800100	PREPARATION OF BASE	SQ YD	10.0
	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	69.0
	40300405	POLYMERIZED BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	100.0
	40300500	COVER COAT AGGREGATE	TON	310.0
	40300600	SEAL COAT AGGREGATE	TON	310.0
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	23,348.0
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL- BUTT JOINT	SQ YD	400.0
	40600990	TEMPORARY RAMP	SQ YD	532.0
	40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	704.0
	40800050	INCIDENTAL HOT MIX ASPHALT SURFACING	TON	166.0
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5"	SQ FT	152.0
	42400800	DETECTABLE WARNINGS	SQ FT	48.0
	44000600	SIDEWALK REMOVAL	SQ FT	152.0
	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	840.0

(1)

* SPECIALTY ITEM

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$MODELNAME$	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 1 OF 2 SHEETS | STA. ---- | TO STA. ----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,21)Q	CHAMPAIGN	25	4
		CONTRACT NO. 70A49		
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

LOCATION: FAS 522 (SIDNEY-LONGVIEW ROAD)
CHAMPAIGN COUNTY
STA. 414+26.66 TO STA. 17+05.91
RURAL - TWO LANE
FUNDING BREAKOUT: 80% FED / 20% STATE
CONSTRUCTION CODE: 0005

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	60250200	CATCH BASIN TO BE ADJUSTED	EACH	1.0
	67100100	MOBILIZATION	L SUM	1.0
	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1.0
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1.0
*	78001100	PAINT PAVEMENT MARKING - LETTERS & SYMBOLS	SQ FT	32.0
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	24,148.0
	X1500002	BLOTTER AGGREGATE	TON	178.0
	X0326219	BUMP REMOVAL	EACH	20.0
	X4060205	COLD MIX ASPHALT MIXTURE	TON	2,390.0
	X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	1,570.0
	XZ193300	SURVEY MARKER, TYPE I (SPECIAL)	EACH	13.0
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0
	Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	2.0

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

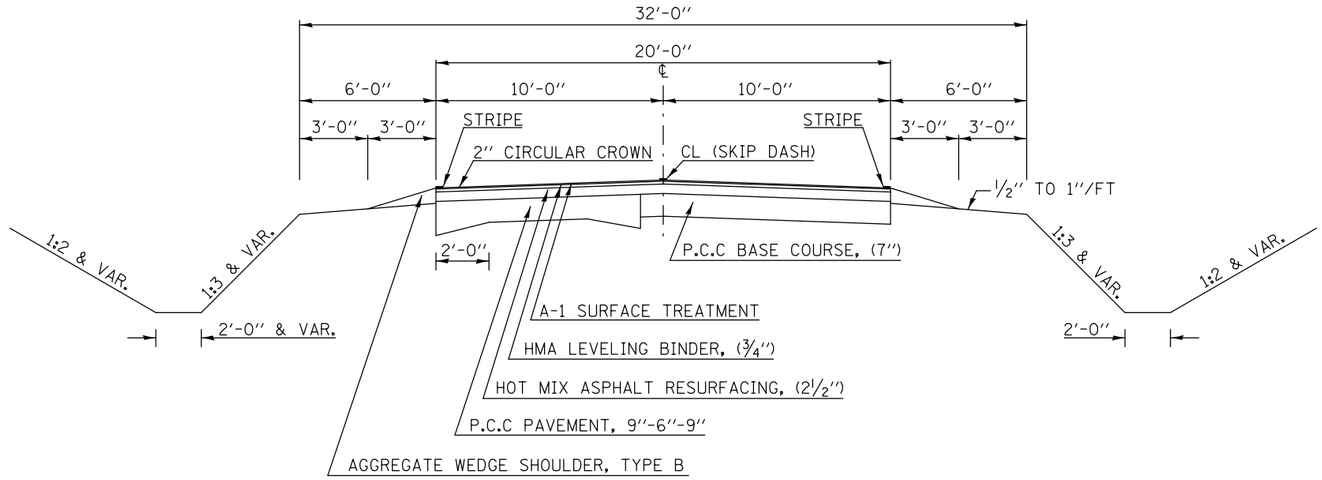
SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 2 OF 2 SHEETS | STA. ---- TO STA. ----

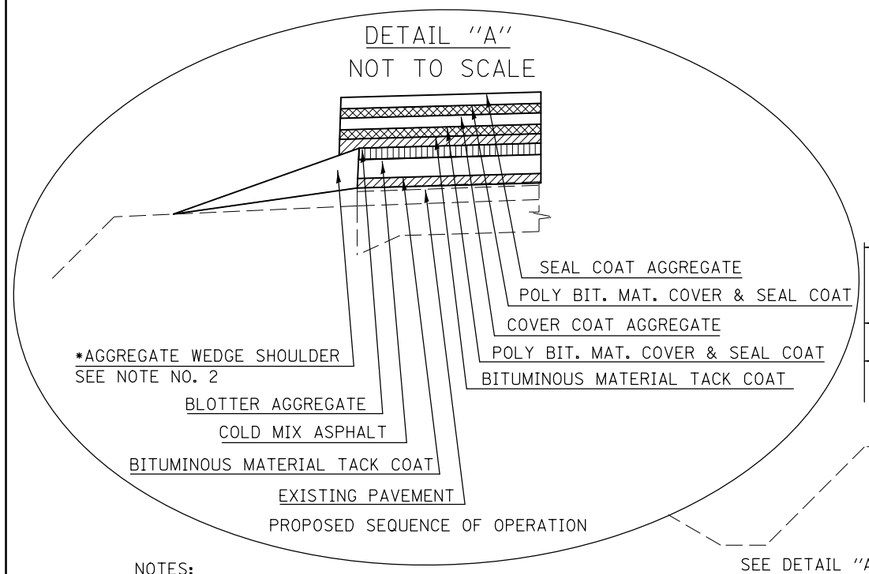
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41O-1)(4)-15,21)O	CHAMPAIGN	25	5
		CONTRACT NO. 70A49		
		ILLINOIS FED. AID PROJECT		

EXISTING TYPICAL CROSS SECTION (1)

STATION 414+26.66 TO STATION 487+51.50 (2)



DETAIL "A"
NOT TO SCALE

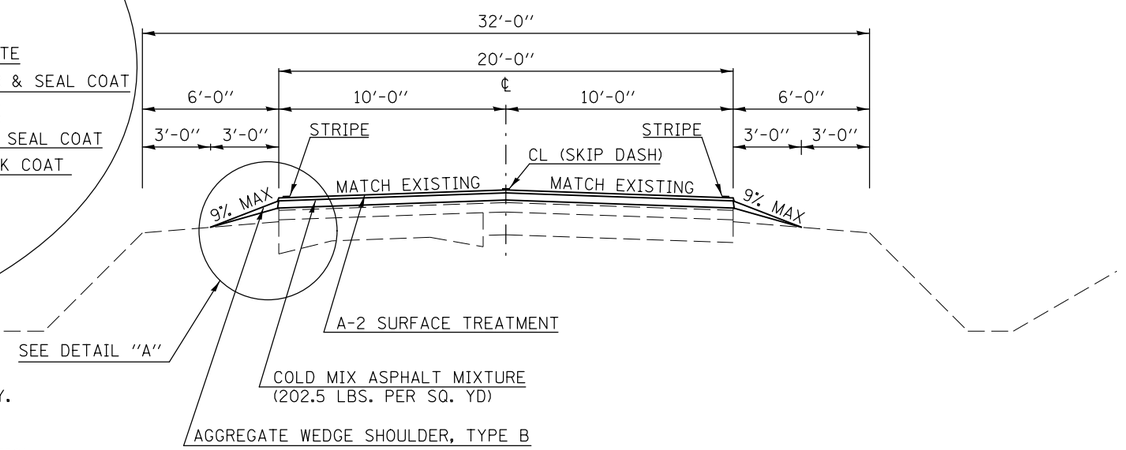


PROPOSED TYPICAL CROSS SECTION (1)

STATION 414+26.66 TO STATION 487+51.50 (2)

RATE OF APPLICATION FOR COLD MIX ASPHALT MIXTURE: 90 LBS/SQ YD/INCH

BRIDGE OMISSION: S.N. 010-0255
STA. 462+83.74 TO STA. 463+33.11



NOTES:

1. BIT. PRIME COAT APPLICATION SHALL EXTEND AN ADDITIONAL WIDTH OF 1 FT. ON EACH SIDE OF THE ROADWAY.

2. * IF ASPHALT MILLINGS ARE UTILIZED IN LIEU OF VIRGIN COARSE AGGREGATE, THE A-2 SURFACE TREATMENT APPLICATION SHALL EXTEND AN ADDITIONAL WIDTH OF 6″ ON EACH SIDE OF THE ROADWAY.

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$MODELNAME$	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

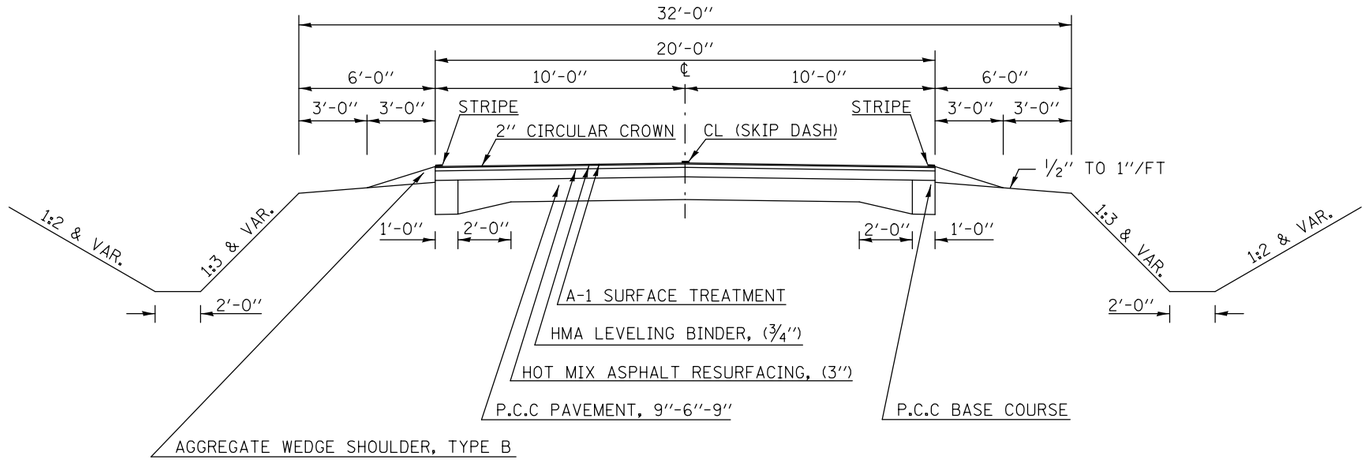
EXISTING AND PROPOSED TYPICAL CROSS SECTIONS

SCALE: N/A | SHEET 1 OF 3 SHEETS | STA. ----- | TO STA. -----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	6
		CONTRACT NO. 70A49		
		ILLINOIS	FED. AID PROJECT	

EXISTING TYPICAL CROSS SECTION (2)

(1) STATION	TO	STATION (3)
487+51.50		491+29.38

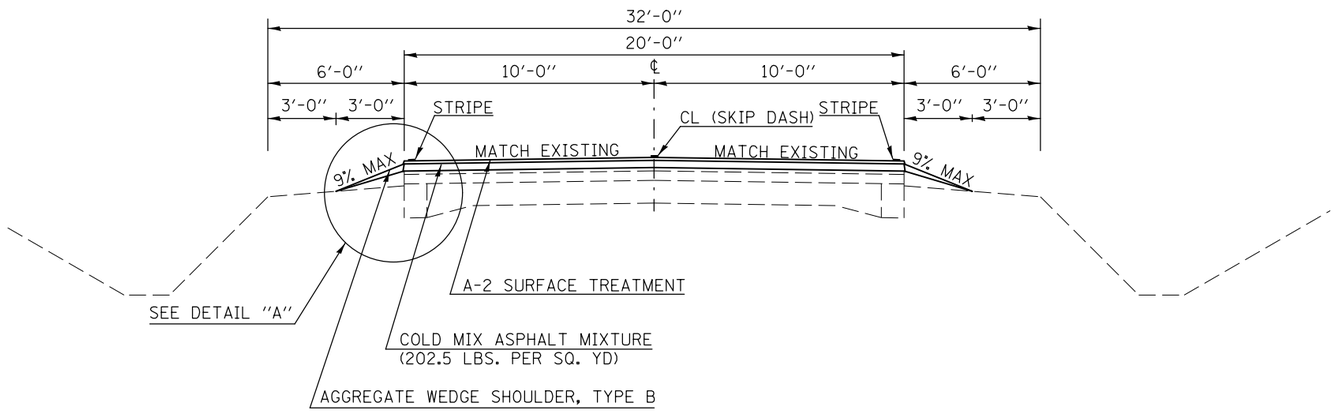


PROPOSED TYPICAL CROSS SECTION (2)

(1) STATION	TO	STATION (3)
487+51.50		491+29.38

NOTE:
SEE DETAIL "A", ON SHEET NO. 6 FOR PROPOSED SEQUENCE OF OPERATION AND NOTES.

RATE OF APPLICATION FOR COLD MIX ASPHALT MIXTURE: 90 LBS/SQ YD/INCH



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$MODELNAME$	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

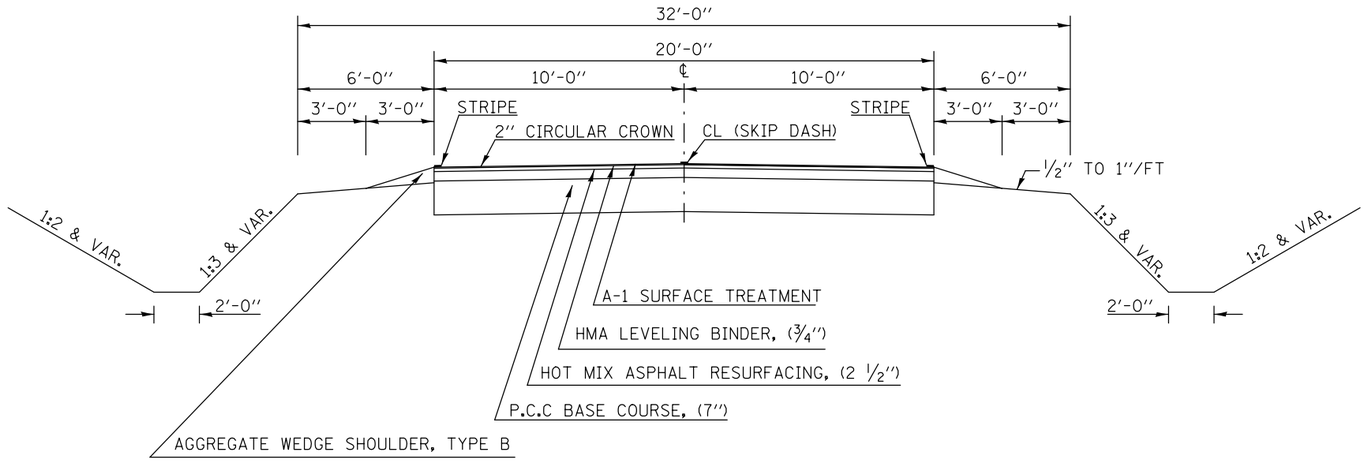
EXISTING AND PROPOSED TYPICAL CROSS SECTIONS

SCALE: N/A | SHEET 2 OF 3 SHEETS | STA. ----- | TO STA. -----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	7
		CONTRACT NO. 70A49		
	ILLINOIS FED. AID PROJECT			

EXISTING TYPICAL CROSS SECTION ③

	STATION	TO	STATION
③	491+29.38		502+83.14 BK
	0+00.00 AH		17+05.91

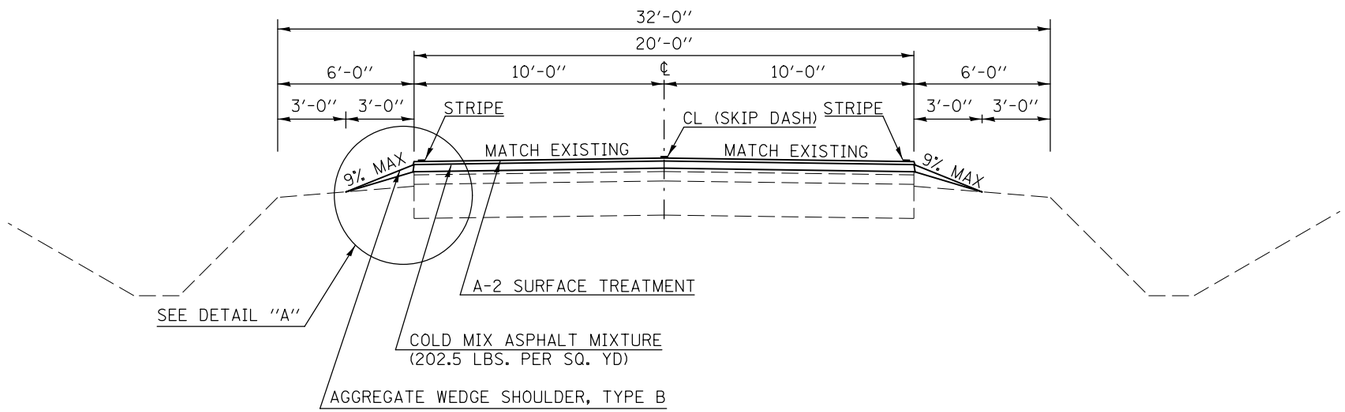


PROPOSED TYPICAL CROSS SECTION ③

	STATION	TO	STATION
③	491+29.38		502+83.14 BK
	0+00.00 AH		17+05.91

NOTE:
SEE DETAIL ″A″, ON SHEET NO. 6 FOR PROPOSED SEQUENCE OF OPERATION AND NOTES.

RATE OF APPLICATION FOR COLD MIX ASPHALT MIXTURE: 90 LBS/SQ YD/INCH



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$MODELNAME$	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL CROSS SECTIONS

SCALE: N/A | SHEET 3 OF 3 SHEETS | STA. ----- | TO STA. -----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	8
		CONTRACT NO. 70A49		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

35800100 PREPARATION OF BASE					
MAINLINE QUANTITIES					
STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
414+26.66		17+05.91			
VARIOUS SPOT LOCATIONS (21)			2.0	2.0	9.3
				TOTAL=	9.3
				USE=	10.0

40200800 AGGREGATE SURFACE COURSE, TYPE B								
INCIDENTAL QUANTITIES			LENGTH	WIDTH	AREA	AVG. THICKNESS	VOLUME	
LOCATION		STATION	(FOOT)	(FOOT)	(SQ FT)	(INCHES)	(CU YD)	(TON)
PE/CE	LT	479+64.48	*	10.0	758.3	1.50	3.51	6.3
PE/CE	LT	480+80.96	*	10.0	835.2	1.50	3.87	7.0
CE	LT	492+49.89	*	10.0	2699.4	1.50	12.50	22.5
PE/CE	LT	494+84.85	*	10.0	1426.0	1.50	6.60	11.9
ALLEY	LT	497+79.62	*	10.0	151.2	1.50	0.70	1.3
ALLEY	LT	500+89.54	*	10.0	189.7	1.50	0.88	1.6
							SUB-TOTAL =	50.5
PE	RT	420+91.29	*	10.0	303.0	1.50	1.40	2.5
PE	RT	447+59.39	*	10.0	318.8	1.50	1.48	2.7
PE	RT	473+87.32	*	10.0	425.6	1.50	1.97	3.5
PE	RT	475+49.64	*	10.0	363.4	1.50	1.68	3.0
PE	RT	479+27.77	*	10.0	267.3	1.50	1.24	2.2
PE	RT	499+42.73	*	10.0	242.9	1.50	1.12	2.0
PE	RT	501+18.26	*	10.0	268.9	1.50	1.25	2.2
							SUB-TOTAL =	18.2
*AREA MEASURED IN CADD								
							TOTAL =	68.7
							USE =	69.0

NOTE: AVERAGE THICKNESS IS DERIVED BY UTILIZING (2.25+0.75)/2 = 1.50".

40300405 POLY. BITUMINOUS MATERIALS (COVERS & SEAL COATS)											
MAINLINE QUANTITIES							COVER COAT		SEAL COAT		
STATION	TO	STATION		LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	0.5 GAL/SY (GAL)	8.51 LB/GAL (TON)	0.4 GAL/SY (GAL)	8.51 LB/GAL (TON)	TOTAL (TON)
414+26.66		462+83.74		4,857.1	22.0	11,872.9	5,936.4	25.26	4,749.1	20.21	45.47
463+33.11		502+83.14	(BK	3,950.0	22.0	9,655.6	4,827.8	20.54	3,862.3	16.43	36.98
0+00.00	(AH	17+05.91		1,705.9	22.0	4,170.0	2,085.0	8.87	1,668.0	7.10	15.97
										SUB-TOTAL=	98.41
RIGHT TURN LANE											
415+36.44		416+00.00		63.6	11.0	77.7	38.8	0.17	31.1	0.13	0.30
416+00.00		417+10.82		110.8	*	105.9	53.0	0.23	42.4	0.18	0.41
417+10.82		418+47.57		136.8	*	65.3	32.7	0.14	26.1	0.11	0.25
										SUB-TOTAL=	1.05
*AREA MEASURED IN CADD											
										TOTAL=	99.47
										ROUNDED TOTAL=	100.0

40300500 COVER COAT AGGREGATE								
MAINLINE QUANTITIES				LENGTH	WIDTH	AREA	25 LBS	2000 LBS
STATION	TO	STATION		(FOOT)	(FOOT)	(SQ YD)	PER SQ YD	PER TON (TON)
414+26.66		462+83.74		4,857.1	21.0	11,333.2	25	2,000.0 141.7
463+33.11		502+83.14	(BK)	3,950.0	21.0	9,216.7	25	2,000.0 115.2
0+00.00	(AH)	17+05.91		1,705.9	21.0	3,980.5	25	2,000.0 49.8
								SUB-TOTAL= 306.6
RIGHT TURN LANE								
415+36.44		416+00.00		63.6	10.0	70.6	25	2,000.0 0.9
416+00.00		417+10.82		110.8	*	105.9	25	2,000.0 1.3
417+10.82		418+47.57		136.8	*	65.3	25	2,000.0 0.8
								SUB-TOTAL= 3.0
*AREA MEASURED IN CADD								
								TOTAL= 309.7
								USE= 310.0

40300600 SEAL COAT AGGREGATE								
MAINLINE QUANTITIES				LENGTH	WIDTH	AREA	25 LBS	2000 LBS
STATION	TO	STATION		(FOOT)	(FOOT)	(SQ YD)	PER SQ YD	PER TON (TON)
414+26.66		462+83.74		4,857.1	21.0	11,333.2	25	2,000.0 141.7
463+33.11		502+83.14	(BK)	3,950.0	21.0	9,216.7	25	2,000.0 115.2
0+00.00	(AH)	17+05.91		1,705.9	21.0	3,980.5	25	2,000.0 49.8
								SUB-TOTAL= 306.6
RIGHT TURN LANE								
415+36.44		416+00.00		63.6	10.0	70.6	25	2,000.0 0.9
416+00.00		417+10.82		110.8	*	105.9	25	2,000.0 1.3
417+10.82		418+47.57		136.8	*	65.3	25	2,000.0 0.8
								SUB-TOTAL= 3.0
*AREA MEASURED IN CADD								
								TOTAL= 309.7
								USE= 310.0

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570A\DrawingData\Design\D570A49-sht-schedule.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 1 OF 5 SHEETS | STA. ---- | TO STA. ----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	9
		CONTRACT NO. 70A49		
		ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES

40600290 BITUMINOUS MATERIALS (TACK COAT)									
MAINLINE QUANTITIES				LENGTH	WIDTH	AREA	0.05 LBS	1ST APP.	2ND APP.
STATION	TO	STATION		(FOOT)	(FOOT)	(SQ FT)	PER SQ FT	(POUND)	(POUND)
414+26.66		462+83.74	(BK	4,857.1	22.0	106,855.8	0.05	5,342.8	5,342.8
463+33.11		502+83.14		3,950.0	22.0	86,900.7	0.05	4,345.0	4,345.0
0+00.00	(AH	17+05.91		1,705.9	22.0	37,530.0	0.05	1,876.5	1,876.5
							SUB-TOTAL=	11564.3	11,564.3
RIGHT TURN LANE									
415+36.44		416+00.00		63.6	10.0	635.6	0.05	31.8	31.8
416+00.00		417+10.82		110.8	*	953.1	0.05	47.7	47.7
417+10.82		418+47.57		136.8	*	587.7	0.05	29.4	29.4
							SUB-TOTAL=	108.8	108.8
*AREA MEASURED IN CADD									
							TOTALS =	11,673.1	11,673.1
							ROUNDED TOTALS =	11,674.0	11,674.0
							USE =		23,348.0

NOTES:
1ST APPLICATION: PRIOR TO PLACING COLD MIX ASPHALT MIXTURE
2ND APPLICATION: AFTER PLACING BLOTTER AGGREGATE

40600982 HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT						
MAINLINE QUANTITIES				LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
LOCATION	STATION	TO	STATION			
BEGINNING OF SECTION	414+26.66		414+71.66	45.0	20.0	100.0
APPROACH TO SN 010-0255	462+38.74		462+83.74	45.0	20.0	100.0
DEPARTURE TO SN 010-0255	463+33.11		463+78.11	45.0	20.0	100.0
END OF SECTION	16+60.91		17+05.91	45.0	20.0	100.0
					TOTAL =	400.0
					USE =	400.0

40600990 TEMPORARY RAMP					
STATION	DESCRPITION	HMA THICKNESS (FOOT)	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
414+26.66	BEGINNING OF PROJECT	0.19	7.60	20.0	16.9
414+83.30	CR 200N	0.19	7.60	*	31.6
414+83.62	CR 200N	0.19	7.60	*	81.3
462+83.74	BRIDGE APPROACH	0.19	7.60	20.0	16.9
463+33.11	BRIDGE DEPARTURE	0.19	7.60	20.0	16.9
467+71.70	CR 100N	0.19	7.60	*	36.4
467+72.19	CR100N	0.19	7.60	*	55.0
494+30.72	HIGH ST.	0.19	7.60	*	28.9
496+15.21	HANCOCK ST.	0.19	7.60	*	38.1
497+74.29	CHURCH ST.	0.19	7.60	*	52.2
499+33.17	SHERIDAN ST.	0.19	7.60	*	38.4
502+52.13	LOGAN ST.	0.19	7.60	*	45.1
502+52.36	E. LOGAN ST.	0.19	7.60	*	57.3
17+05.91	END OF PROJECT	0.19	7.60	20.0	16.9
* AREAS MEASURED IN CADD					
				TOTAL =	531.9
				USE =	532.0

NOTE: 1:40 TAPER RATE WAS USED TO CALCULATE TEMPORARY RAMP LENGTH.

40800029 BITUMINOUS MATERIALS (TACK COAT)							
						RATE	
INCIDENTAL QUANTITIES			LENGTH	WIDTH	AREA	0.05 LBS	
LOCATION	O/S	STATION	(FOOT)	(FOOT)	(SQ FT)	PER SQ FT	(POUND)
CR 200N	LT	414+83.62	*	42.2	2,451.1	0.05	122.6
CR 100N	LT	467+71.70	*	10.0	395.7	0.05	19.8
CE	LT	490+99.08	*	10.0	380.9	0.05	19.0
CE	LT	494+01.74	*	10.0	290.1	0.05	14.5
HANCOCK ST.	LT	496+15.21	*	10.0	442.8	0.05	22.1
SHERIDAN ST.	LT	499+33.17	*	10.0	289.8	0.05	14.5
E LOGAN ST.	LT	502+52.36	*	10.0	638.6	0.05	31.9
MBTO	LT	0+82.17	*	2.0	64.3	0.05	3.2
PE	LT	2+08.09	*	10.0	286.1	0.05	14.3
PE	LT	6+44.33	*	10.0	305.6	0.05	15.3
PE	LT	8+20.94	*	10.0	262.4	0.05	13.1
						SUB-TOTAL =	290.4
CR 200N	RT	414+83.30	*	18.4	542.2	0.05	27.1
CR 100N	RT	467+72.19	*	10.0	614.8	0.05	30.7
PE	RT	476+85.03	*	10.0	288.8	0.05	14.4
HIGH ST.	RT	494+30.72	*	10.0	318.1	0.05	15.9
PE	RT	497+05.17	*	25.8	2,274.3	0.05	113.7
CHURCH ST.	RT	497+74.29	*	25.4	1,038.7	0.05	51.9
PE	RT	500+17.71	*	20.2	594.3	0.05	29.7
LOGAN ST.	RT	502+52.13	*	10.0	503.6	0.05	25.2
PE	RT	0+92.53	*	10.0	288.4	0.05	14.4
PE	RT	8+05.46	*	10.0	300.9	0.05	15.0
CE	RT	9+29.46	*	18.7	524.7	0.05	26.2
PE	RT	14+67.52	*	10.0	273.4	0.05	13.7
PE/FE	RT	15+81.53	*	10.0	342.8	0.05	17.1
PE/FE	RT	16+55.85	*	10.0	363.4	0.05	18.2
						SUB-TOTAL =	413.4
* AREAS MEASURED IN CADD							
							703.8
							704.0

NOTE:
BITUMINOUS MATERIALS (PRIME COAT) TO BE APPLIED BEFORE PLACING INCIDENTAL HMA

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570A49\DrawingData\Design\D570A49-sht-schedule.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 2 OF 5 SHEETS | STA.---- | TO STA.----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	10
		CONTRACT NO. 70A49		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

40800050 INCIDENTAL HOT MIX ASPHALT SURFACING

INCIDENTAL QUANTITIES			LENGTH	WIDTH	AREA	AVERAGE THICKNESS	DENSITY 112 LBS PER SQ YD PER INCH	DIVIDE BY 2000 LBS PER TON	
LOCATION	O/S	STATION	(FOOT)	(FOOT)	(SQ YD)	(INCHES)			(TON)
CR 200N	LT	414+83.62	*	42.2	272.3	1.88	112	2,000.0	28.7
CR 100N	LT	467+71.70	*	10.0	44.0	1.88	112	2,000.0	4.6
CE	LT	490+99.08	*	10.0	42.3	1.88	112	2,000.0	4.5
CE	LT	494+01.74	*	10.0	32.2	1.88	112	2,000.0	3.4
HANCOCK ST.	LT	496+15.21	*	10.0	47.0	1.88	112	2,000.0	4.9
SHERIDAN ST.	LT	499+33.17	*	10.0	47.2	1.88	112	2,000.0	5.0
E LOGAN ST.	LT	502+52.36	*	10.0	71.0	1.88	112	2,000.0	7.5
MBTO	LT	0+82.17	*	2.0	7.1	1.88	112	2,000.0	0.8
PE	LT	2+08.09	*	10.0	31.8	1.88	112	2,000.0	3.3
PE	LT	6+44.33	*	10.0	34.0	1.88	112	2,000.0	3.6
PE	LT	8+20.94	*	10.0	29.2	1.88	112	2,000.0	3.1
								SUB-TOTAL =	69.3
CR 200N	RT	414+83.30	*	18.4	60.2	1.88	112	2,000.0	6.3
CR 100N	RT	467+72.19	*	10.0	68.3	1.88	112	2,000.0	7.2
PE	RT	476+85.03	*	10.0	32.1	1.88	112	2,000.0	3.4
HIGH ST.	RT	494+30.72	*	10.0	35.3	1.88	112	2,000.0	3.7
PE	RT	497+05.17	*	25.8	252.7	1.88	112	2,000.0	26.6
CHURCH ST.	RT	497+74.29	*	25.4	115.4	1.88	112	2,000.0	12.2
PE	RT	500+17.71	*	20.2	66.0	1.88	112	2,000.0	7.0
LOGAN ST.	RT	502+52.13	*	10.0	56.0	1.88	112	2,000.0	5.9
PE	RT	0+92.53	*	10.0	32.0	1.88	112	2,000.0	3.4
PE	RT	8+05.46	*	10.0	33.4	1.88	112	2,000.0	3.5
CE	RT	9+29.46	*	18.7	58.3	1.88	112	2,000.0	6.1
PE	RT	14+67.52	*	10.0	30.4	1.88	112	2,000.0	3.2
PE/FE	RT	15+81.53	*	10.0	38.1	1.88	112	2,000.0	4.0
PE/FE	RT	16+55.85	*	10.0	40.4	1.88	112	2,000.0	4.3
								SUB-TOTAL =	96.7

* AREAS MEASURED IN CADD

TOTAL = 166.0
USE = 166.0

NOTE: AVERAGE THICKNESS IS DERIVED BY UTILIZING (2.25+1.5)/2 = 1.88''

42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5''

	STATION	O/S	LOCATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ FT)
RT	495+85.08	10'	HANCOCK ST.	7.0	4.0	28.0
LT	495+87.32	10'	HANCOCK ST.	6.0	4.0	24.0
LT	499+05.87	10'	SHERIDAN ST.	7.0	4.0	28.0
RT	499+06.06	10'	SHERIDAN ST.	6.0	4.0	24.0
LT	502.23.24	15.1'	E LOGAN ST.	6.0	4.0	24.0
RT	502.23.25	12.2'	LOGAN ST.	6.0	4.0	24.0
					TOTAL =	152.0
					USE =	152.0

42400800 DETECTABLE WARNINGS

	STATION	O/S	LOCATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ FT)
RT	495+85.08	10'	HANCOCK ST.	2.0	4.0	8.0
LT	495+87.32	10'	HANCOCK ST.	2.0	4.0	8.0
LT	499+05.87	10'	SHERIDAN ST.	2.0	4.0	8.0
RT	499+06.06	10'	SHERIDAN ST.	2.0	4.0	8.0
LT	502.23.24	15.1'	E LOGAN ST.	2.0	4.0	8.0
RT	502.23.25	12.2'	LOGAN ST.	2.0	4.0	8.0
					TOTAL =	48.0
					USE =	48.0

44000600 SIDEWALK REMOVAL

	STATION	LOCATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ FT)
RT	495+85.08	HANCOCK ST.	7.0	4.0	28
LT	495+87.32	HANCOCK ST.	6.0	4.0	24
LT	499+05.87	SHERIDAN ST.	7.0	4.0	28
RT	499+06.06	SHERIDAN ST.	6.0	4.0	24
LT	502.23.24	E LOGAN ST.	6.0	4.0	24
RT	502.23.25	LOGAN ST.	6.0	4.0	24
				TOTAL =	152.0
				USE =	152.0

48102100 AGGREGATE WEDGE SHOULDER, TYPE B

MAINLINE QUANTITIES LOCATION					LENGTH (FOOT)	AVG. WIDTH (FOOT)	AREA (SQ FT)	AVG. THICKNESS (INCHES)	VOLUME (CU YD)	(TON)
	STATION	TO	STATION							
LT	414+26.66		462+83.74		4,857.1	3.0	14,571.2	2.50	112.43	202.4
LT	463+33.11		479+48.84		1,615.7	3.0	4,847.2	2.50	37.40	67.3
LT	481+13.05		490+77.40		964.3	3.0	2,893.1	2.50	22.32	40.2
LT	496+38.28		502+83.14	(BK)	644.9	3.0	1,934.6	2.50	14.93	26.9
LT	0+00.00	(AH)	17+05.91		1,705.9	3.0	5,117.7	2.50	39.49	71.1
									SUB-TOTAL =	407.8
RT	414+26.66		462+83.74		4,857.1	3.0	14,571.2	2.50	112.43	202.4
RT	463+33.11		496+53.74		3,320.6	3.0	9,961.9	2.50	76.87	138.4
RT	498+04.25		502+83.14	(BK)	478.9	3.0	1,436.7	2.50	11.09	20.0
RT	0+00.00	(AH)	17+07.91		1,707.9	3.0	5,123.7	2.50	39.53	71.2
									SUB-TOTAL =	431.9
									TOTAL =	839.7
									USE =	840.0

NOTE: AVERAGE THICKNESS IS DERIVED BY UTILIZING (3.25+1.75)/2 = 2.50''.

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570A49\DRAWNData\Design\D570A49-sht-schedule.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 3 OF 5 SHEETS | STA. ---- | TO STA. ----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	11
		CONTRACT NO. 70A49		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

60250200 CATCH BASIN TO BE ADJUSTED		
STATION	OFFSET	EACH
497+34.53	17.88 RT	1.0
	TOTAL =	1.0
	USE =	1.0

78001100 PAINT PAVEMENT MARKING - LETTERS & SYMBOLS				
	STATION	EACH	TYPE	SQ FT
RT	415+54.44	1	RIGHT TURN ARROW (WHITE)	15.6
RT	416+34.44	1	RIGHT TURN ARROW (WHITE)	15.6
			TOTAL =	31.2
			USE =	32.0

78001110 PAINT PAVEMENT MARKING - LINE 4"								
WHITE - SOLID EDGE LINES								
STATION		TO	STATION		OFFSET			FOOT
415+36.44			416+40.00		9.83' LT			103.6
415+36.44			418+47.57		9.83' LT			311.1
418+47.57			467+44.27		9.83' LT			4,896.7
467+99.27			495+89.49		9.83' LT			2,790.2
496+41.61			499+07.83		9.83' LT			266.2
499+61.44			502+13.20		9.83' LT			251.8
0+17.57			17+05.91		9.83' LT			1,688.3
						SUB-TOTAL =		10,307.9
414+26.66			414+57.86		9.83' RT			31.2
415+09.65			467+31.89		9.83' RT			5,222.2
468+03.87			494+09.56		9.83' RT			2,605.7
494+54.73			497+36.98		9.83' RT			282.3
498+12.64			502+21.40		9.83' RT			408.8
0+01.59			17+05.91		9.83' RT			1,704.3
						SUB-TOTAL =		10,254.5
YELLOW - SKIP DASH								
STATION		TO	STATION		LOCATION			FOOT
414+26.66			502+83.14	(BK)	CL			2,214.1
0+00.00	(AH)		17+05.91		CL			426.5
						SUB-TOTAL =		2,640.6
YELLOW - SOLID (NO PASSING ZONES)								
STATION		TO	STATION		DIRECTION			FOOT
438+97.39			443+77.39		SB			480.0
448+54.39			453+19.39		NB			465.0
						SUB-TOTAL =		945.0
						TOTAL =		24,148.0
						USE =		24,148.0

LR400300 BLOTTER AGGREGATE									
MAINLINE QUANTITIES				LENGTH	WIDTH	AREA	15 LBS.	2000 LBS	
STATION	TO	STATION		(FOOT)	(FOOT)	(SQ YD)	PER SQ YD	PER TON	(TON)
414+26.66		462+83.74		4,857.1	20.0	10,793.5	15	2,000.0	81.0
463+33.11		502+83.14	(BK)	3,950.0	20.0	8,777.8	15	2,000.0	65.8
0+00.00	(AH)	17+05.91		1,705.9	20.0	3,790.9	15	2,000.0	28.4
								SUB-TOTAL=	175.2
RIGHT TURN LANE									
415+36.44		416+00.00		63.6	10.0	70.6	15	2,000.0	0.5
416+00.00		417+10.82		110.8	*	105.9	15	2,000.0	0.8
417+10.82		418+47.57		136.8	*	65.3	15	2,000.0	0.5
								SUB-TOTAL=	1.8
*AREA MEASURED IN CADD								TOTAL=	177.0
								USE=	178.0

X0326219 BUMP REMOVAL					
STATION	TO	STATION		DIRECTION	EACH
414+26.66		502+83.14	(BK)	SB	5.0
0+00.00	(AH)	17+05.91		SB	4.0
414+26.66		502+83.14	(BK)	NB	8.0
0+00.00	(AH)	17+05.91		NB	3.0
				TOTAL =	20.0
				USE =	20.0

NOTE:
BUMP REMOVAL QUANTITIES MAY BE REVISED BY THE ENGINEER DURING CONSTRUCTION.

X4060205 COLD MIX ASPHALT MIXTURE										
LOCATION							AVERAGE	DENSITY	DIVIDE BY	
MAINLINE QUANTITIES				LENGTH	WIDTH	AREA	THICKNESS	90 LBS/SQ YD	2000 LBS	
STATION	TO	STATION		(FOOT)	(FOOT)	(SQ YD)	(INCH)	PER INCH	PER TON	(TON)
414+26.66		462+83.74		4,857.1	20.0	10,793.5	2.25	90.0	2,000.0	1,092.8
463+33.11		502+83.14	(BK)	3,950.0	20.0	8,777.8	2.25	90.0	2,000.0	888.8
0+00.00	(AH)	17+05.91		1,705.9	20.0	3,790.9	2.25	90.0	2,000.0	383.8
RIGHT TURN LANE										
415+36.44		416+00.00		63.6	10.0	70.6	2.25	90.0	2,000.0	7.2
416+00.00		417+10.82		110.8	8.6	105.9	2.25	90.0	2,000.0	10.7
417+10.82		418+47.57		136.8	4.3	65.3	2.25	90.0	2,000.0	6.6
									TOTAL =	2,389.9
									USE =	2,390.0

SCHEDULE OF QUANTITIES

X4400196 HOT MIX ASPHALT SURFACE REMOVAL, SPECIAL						
INCIDENTAL QUANTITIES			LENGTH	WIDTH	AREA	AREA
LOCATION		STATION	(FOOT)	(FOOT)	(SQ FT)	(SQ YD)
CR 200N	LT	414+83.62	*	42.2	2451.08	272.3
CR 100N	LT	467+71.70	*	10.0	395.73	44.0
CE	LT	490+99.08	*	10.0	380.85	42.3
CE	LT	494+01.74	*	10.0	290.09	32.2
HANCOCK ST.	LT	496+15.21	*	10.0	422.83	47.0
SHERIDAN ST.	LT	499+33.17	*	10.0	424.78	47.2
E LOGAN ST.	LT	502+52.36	*	10.0	638.64	71.0
PE	LT	2+08.09	*	10.0	286.13	31.8
PE	LT	6+44.33	*	10.0	305.59	34.0
PE	LT	8+20.94	*	10.0	262.37	29.2
					SUB-TOTAL =	650.9
CR 200N	RT	414+83.30	*	18.4	542.18	60.2
CR 100N	RT	467+72.19	*	10.0	614.80	68.3
PE	RT	476+85.03	*	10.0	288.79	32.1
HIGH ST.	RT	494+30.72	*	10.0	318.02	35.3
PE	RT	497+05.17	*	25.8	2,274.27	252.7
CHURCH ST.	RT	497+74.29	*	25.4	1,038.72	115.4
PE	RT	500+17.71	*	20.2	594.27	66.0
LOGAN ST.	RT	502+52.13	*	10.0	503.68	56.0
PE	RT	0+92.53	*	10.0	288.39	32.0
PE	RT	8+05.46	*	10.0	300.83	33.4
CE	RT	9+29.46	*	18.7	524.70	58.3
PE	RT	14+67.52	*	10.0	273.39	30.4
PE/FE	RT	15+81.53	*	10.0	342.83	38.1
PE/FE	RT	16+55.85	*	10.0	363.39	40.4
					SUB-TOTAL =	918.7
*AREAS MEASURED IN CADD						
					TOTAL =	1,569.6
					USE =	1,570.0

XZ193300 SURVEY MARKER, TYPE 1 (SPECIAL)			
STATION	DESCRIPTION	OFFSET	EACH
417+52.07	PC	CL	1.0
421+00.59	PI	0.95 LT	1.0
424+49.09	PT	CL	1.0
447+98.51	PI	CL	1.0
485+93.51	PC	CL	1.0
488+92.99	PI	CL	1.0
491+92.46	PT	CL	1.0
498+44.02	PI	CL	1.0
0+00.00 AH	PI	CL	1.0
4+12.26	PC	CL	1.0
7+49.88	PI	1.02 LT	1.0
10+87.50	PT	CL	1.0
17+04.83	POT	CL	1.0
		TOTAL =	13.0
		USE =	13.0

Z0070100 SURVEY MONUMENT COVER ASSEMBLY			
STATION	DESCRIPTION	OFFSET	EACH
441+30.34	QUARTER CORNER	3.56 RT	1.0
467+72.50	SECTION CORNER & PI	3.96 RT	1.0
		TOTAL =	2.0
		USE =	2.0

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$MODELNAME$	PLOT DATE = 3/15/2016	DATE -	REVISED -

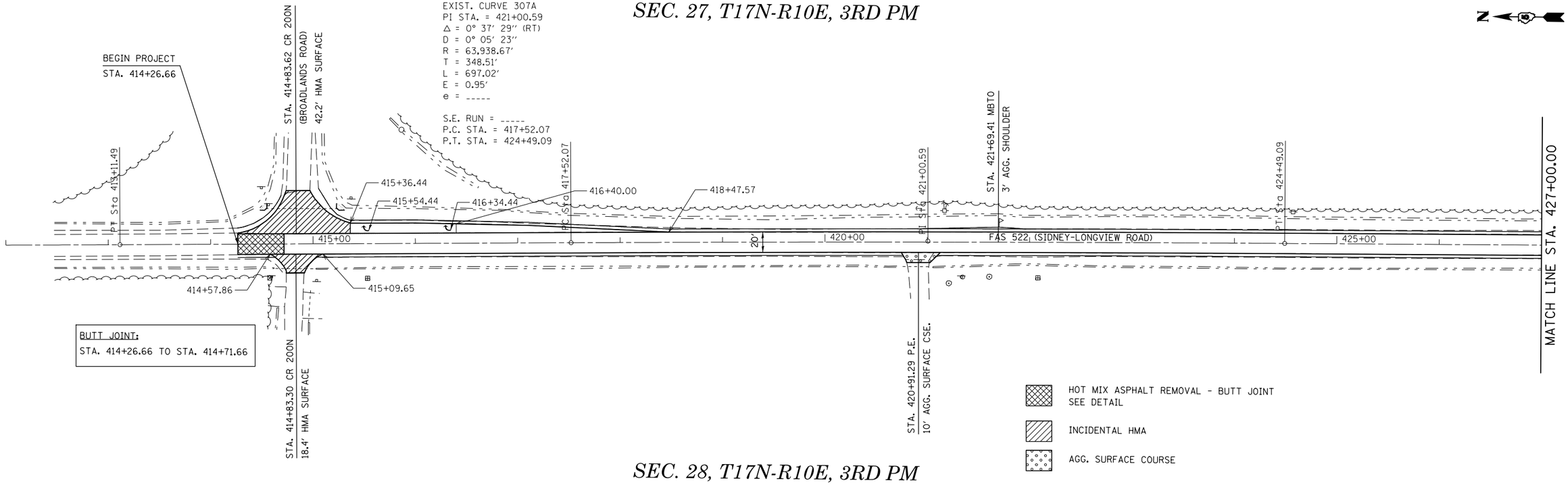
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 5 OF 5 SHEETS | STA. ---- | TO STA. ----

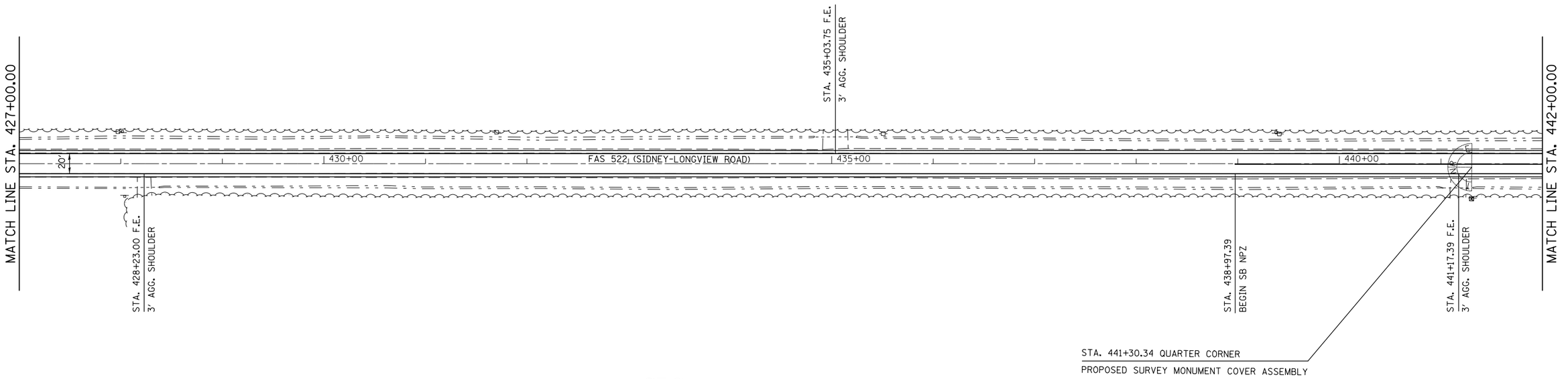
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	13
		CONTRACT NO. 70A49		
	ILLINOIS FED. AID PROJECT			

SEC. 27, T17N-R10E, 3RD PM



SEC. 28, T17N-R10E, 3RD PM

SEC. 27, T17N-R10E, 3RD PM



SEC. 28, T17N-R10E, 3RD PM

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		DRAWN -	REVISED -
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$MODELNAME$	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

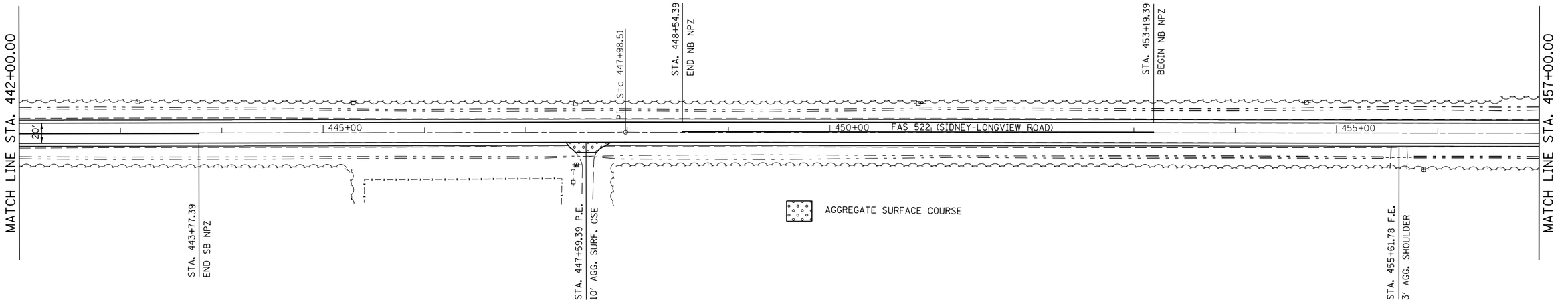
PLAN SHEET

SCALE: N/A | SHEET 1 OF 4 SHEETS | STA. 414+26.66 TO STA. 442+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	14
		CONTRACT NO. 70A49		
	ILLINOIS	FED. AID PROJECT		

SEC. 27, T17N-R10E, 3RD PM

SEC. 34, T17N-R10E, 3RD PM

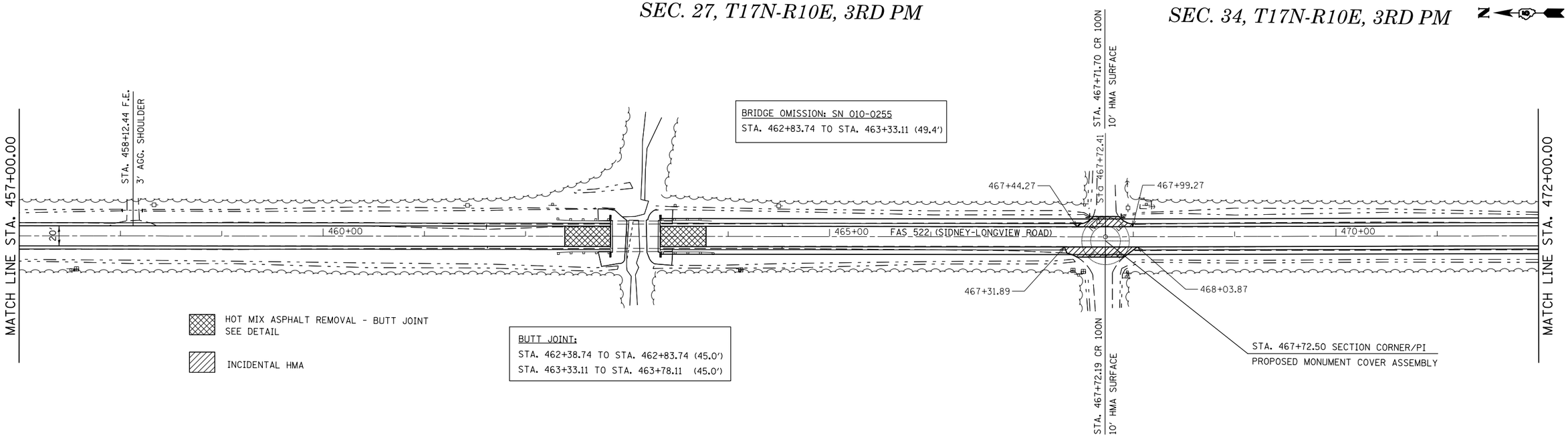


SEC. 28, T17N-R10E, 3RD PM

SEC. 33, T17N-R10E, 3RD PM

SEC. 27, T17N-R10E, 3RD PM

SEC. 34, T17N-R10E, 3RD PM



SEC. 28, T17N-R10E, 3RD PM

SEC. 33, T17N-R10E, 3RD PM

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		DRAWN -	REVISED -
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$MODELNAME$	PLOT DATE = 3/15/2016	DATE -	REVISED -

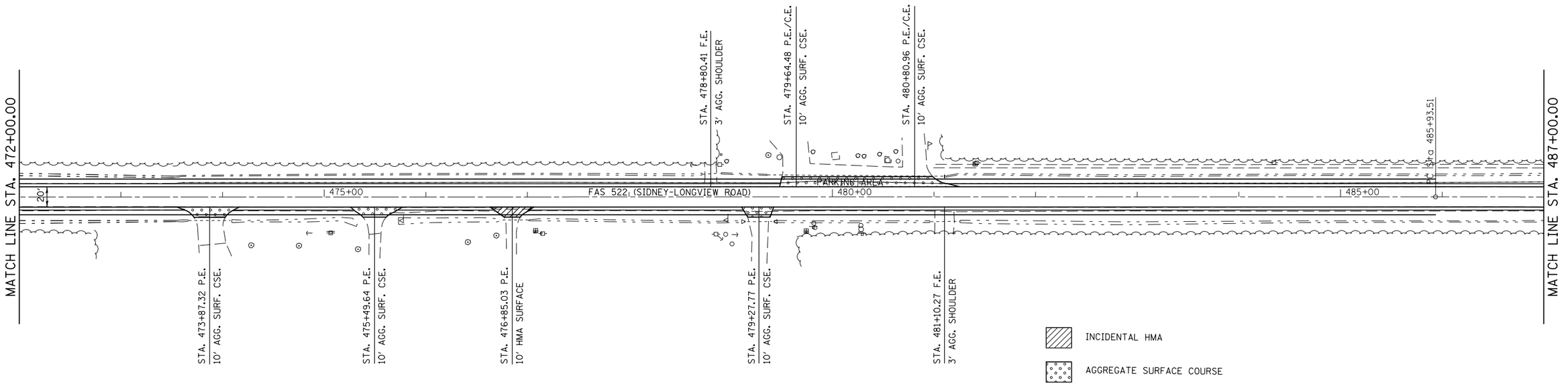
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: N/A | SHEET 2 OF 4 SHEETS | STA. 442+00.00 TO STA. 472+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	15
		CONTRACT NO. 70A49		
		ILLINOIS FED. AID PROJECT		

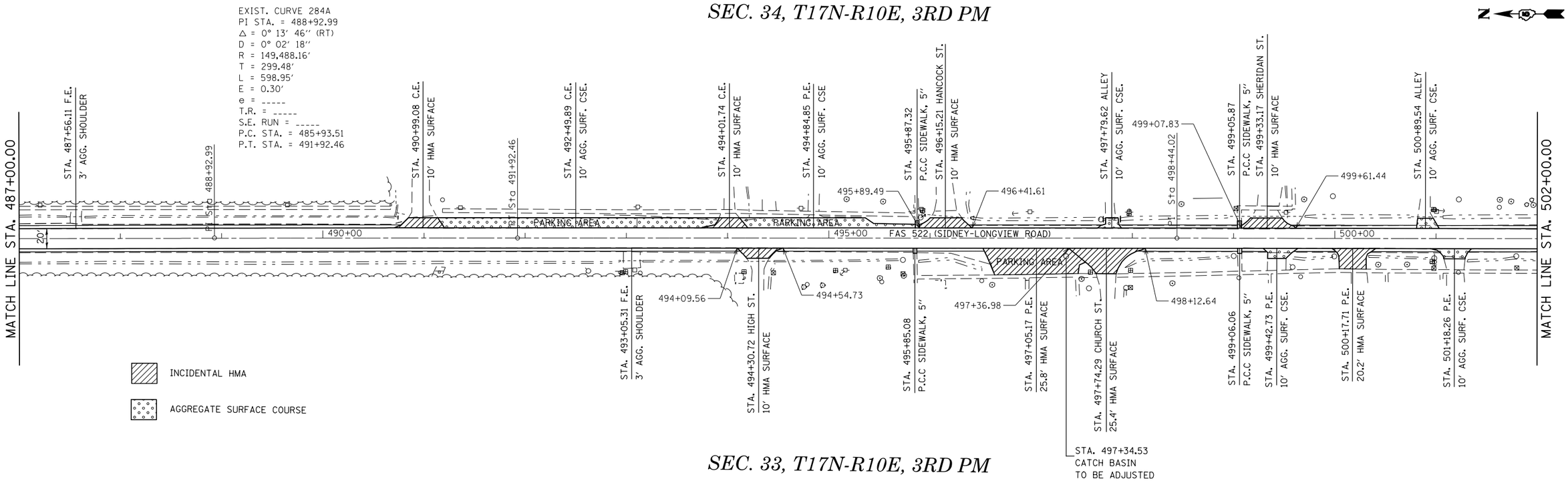
SEC. 34, T17N-R10E, 3RD PM



SEC. 33, T17N-R10E, 3RD PM

SEC. 34, T17N-R10E, 3RD PM

EXIST. CURVE 284A
PI STA. = 488+92.99
△ = 0° 13′ 46″ (RT)
D = 0° 02′ 18″
R = 149,488.16′
T = 299.48′
L = 598.95′
E = 0.30′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 485+93.51
P.T. STA. = 491+92.46



SEC. 33, T17N-R10E, 3RD PM

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$MODELNAME$	PLOT DATE = 3/15/2016	DATE -	REVISED -

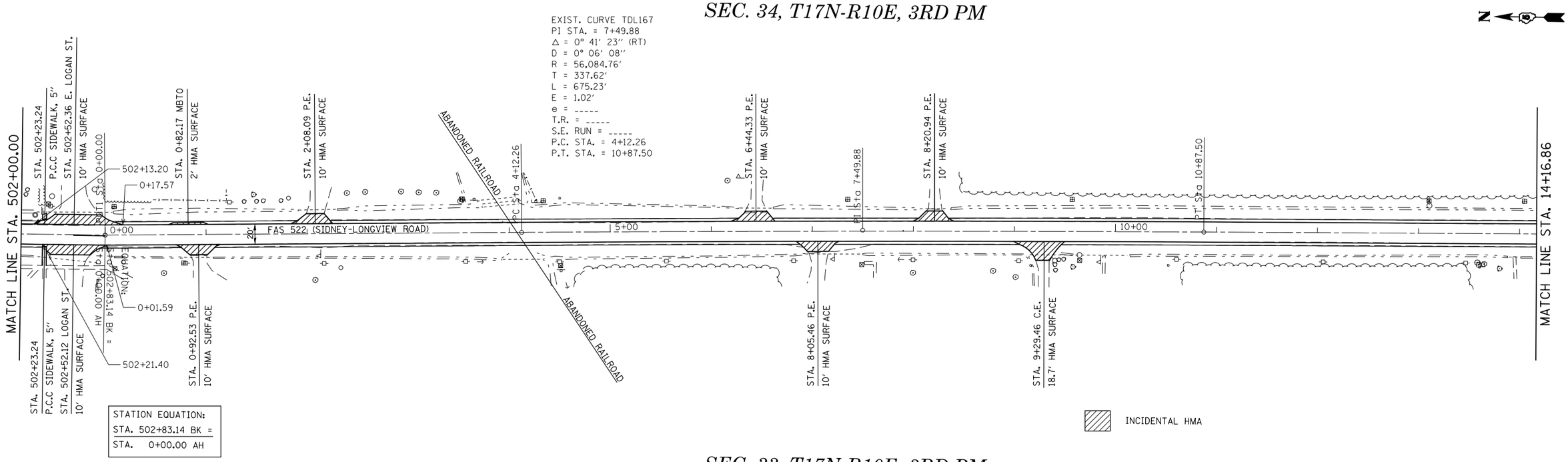
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: N/A | SHEET 3 OF 4 SHEETS | STA. 472+00.00 TO STA. 502+00.00

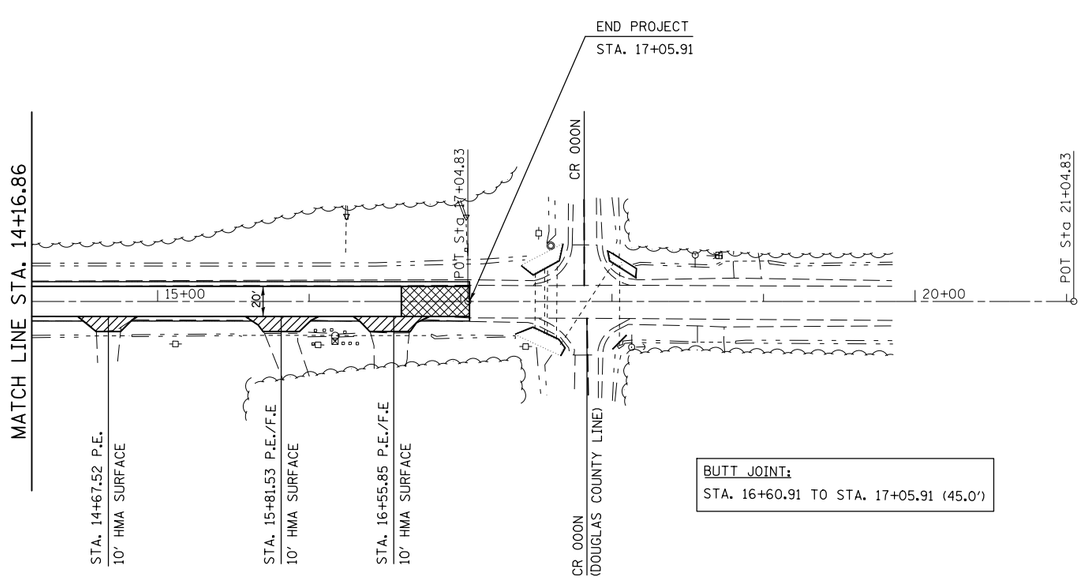
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	16
		CONTRACT NO. 70A49		
		ILLINOIS FED. AID PROJECT		

SEC. 34, T17N-R10E, 3RD PM



SEC. 33, T17N-R10E, 3RD PM

SEC. 34, T17N-R10E, 3RD PM



HOT MIX ASPHALT REMOVAL - BUTT JOINT
SEE DETAIL

INCIDENTAL HMA

SEC. 33, T17N-R10E, 3RD PM

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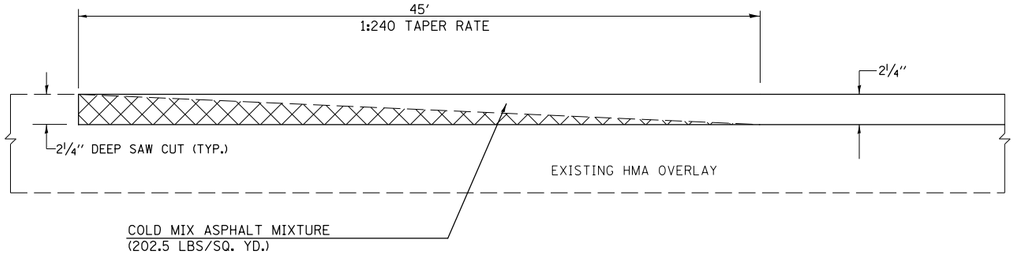
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -			522	(41Q-1)(41-15,211)Q / CHAMPAIGN / 25 / 17
$MODELNAME$	PLOT DATE = 3/15/2016	DATE -	REVISED -		SCALE: N/A SHEET 4 OF 4 SHEETS STA. 502+00.00 TO STA. 17+05.91		CONTRACT NO. 70A49
							ILLINOIS FED. AID PROJECT

BUTT JOINT DETAIL FOR BEGINNING /END MAINLINE TIE IN LOCATIONS



HMA SURFACE REMOVAL - BUTT JOINT

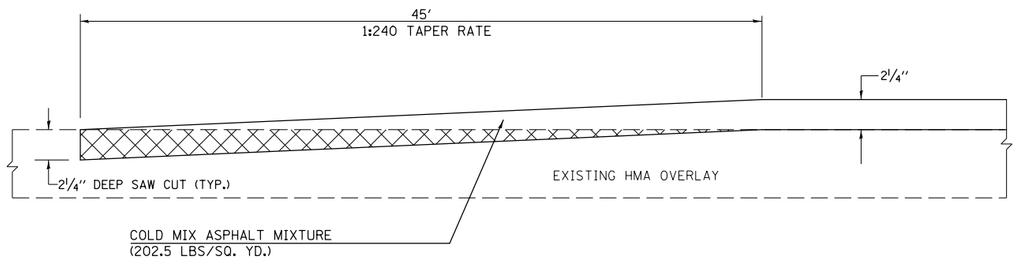
STATION	TO	STATION
414+26.66		414+71.66
16+60.91		17+05.91

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

NOTE:

SAW CUT IS INCLUDED IN THE COST OF HMA SURFACE REMOVAL - BUTT JOINT

BUTT JOINT DETAIL FOR BRIDGE OMISSION (S.N. 010-0255)



HMA SURFACE REMOVAL - BUTT JOINT

STATION	TO	STATION
462+38.74		462+83.74
463+33.11		463+78.11

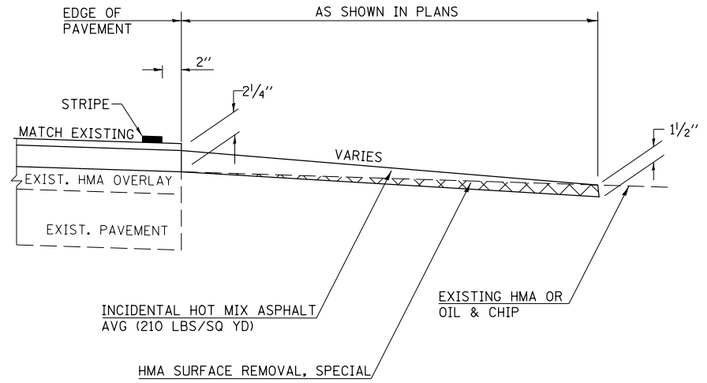
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

NOTE:

SAW CUT IS INCLUDED IN THE COST OF HMA SURFACE REMOVAL - BUTT JOINT

BUTT JOINT DETAIL FOR PRIVATE & COMMERCIAL ENTRANCE OR SIDEROAD

(EXISTING HMA OR OIL & CHIP 10′ OR LONGER)



NOTE: THE INTENT IS TO RESURFACE THE EXISTING CONFIGURATION OF THE ENTRANCES AND SIDEROADS TO A MAXIMUM OF 10′ FROM THE EDGE OF PAVEMENT. EXISTING SIDEROADS SHOULD BE RESURFACED TO MAINTAIN THEIR CURRENT RADII.

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. 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".

4. 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.

5. PROPOSED SIDEROAD GRADES SHALL BE AS DIRECTED BY THE ENGINEER.

6. AGGREGATE WEDGE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 3′ ALONG MAINLINE TO 2′ AT BACK OF RETURN.

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$MODELNAME$	PLOT SCALE = 40.0000 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

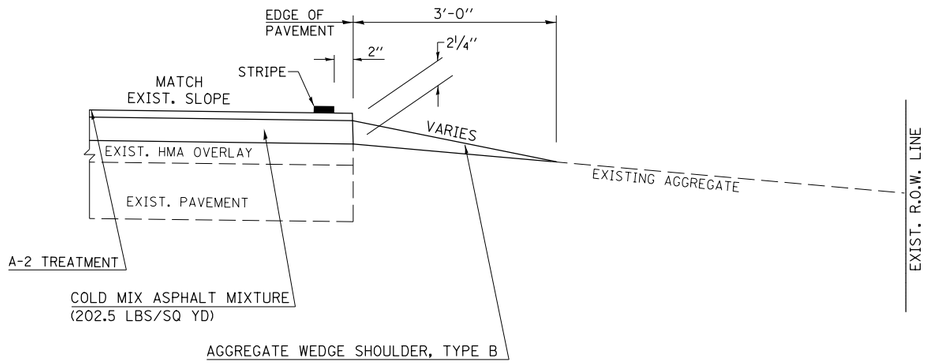
BUTT JOINTS DETAILS
(EXISTING HMA OR OIL AND CHIP)

SCALE: N/A | SHEET 1 OF 2 SHEETS | STA. ----- | TO STA. -----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	18
		CONTRACT NO. 70A49		
	ILLINOIS FED. AID PROJECT			

FIELD ENTRANCE DETAIL

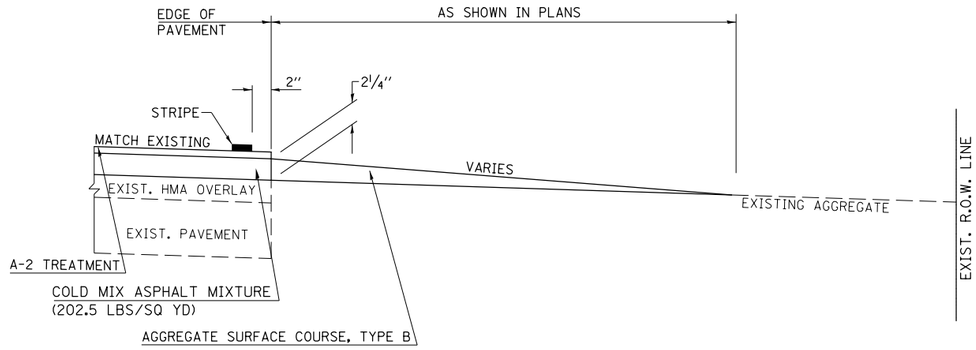
(EXISTING AGGREGATE)



NOTE: THE INTENT IS TO RESURFACE THE EXISTING CONFIGURATION OF THE ENTRANCES.

PRIVATE OR COMMERCIAL ENTRANCE

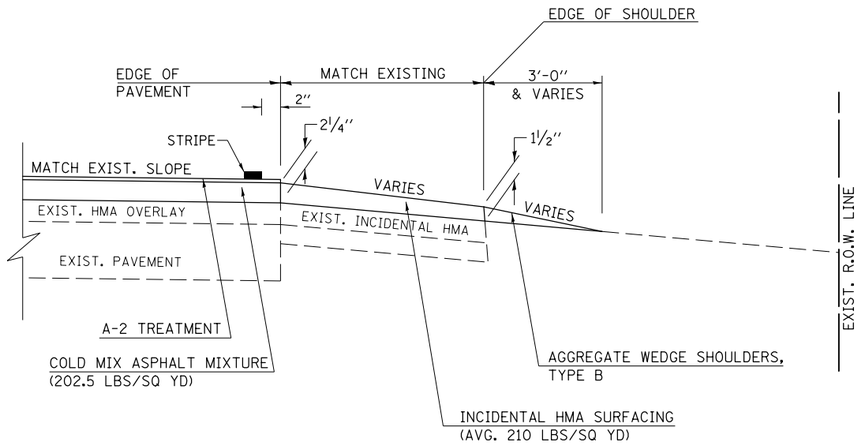
(EXISTING AGGREGATE 10' OR LONGER)



NOTE: THE INTENT IS TO RESURFACE THE EXISTING CONFIGURATION OF THE ENTRANCES TO A MAXIMUM OF 10' FROM THE EDGE OF PAVEMENT. THE EXISTING ENTRANCES SHOULD BE RESURFACED TO MAINTAIN THEIR CURRENT RADII.

MAILBOX TURNOUT (RURAL) DETAIL

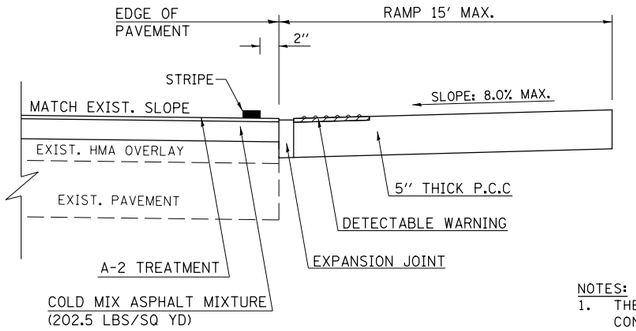
(EXISTING HMA)



NOTE: THE INTENT IS TO RESURFACE THE EXISTING CONFIGURATION OF THE MAILBOX TURNOUTS WITH HOT MIX ASPHALT AND AGGREGATE WEDGE SHOULDERS.

RAMP FOR SIDEWALKS

(EXISTING P.C.C.)



NOTES:

1. THE INTENT IS TO REPLACE THE EXISTING CONFIGURATION OF THE SIDEWALKS AT OR NEAR THE EXISTING ROADWAY.
2. MAXIMUM CROSS SLOPE FOR RAMPS IS 2.0%, WITH 1.5% PREFEREBALE.
3. REFER TO HIGHWAY STANDARD 424001-08 FOR ADDITIONAL INFORMATION.
4. SEE SIDEWALK SCHEDULES FOR ADDITIONAL INFORMATION.

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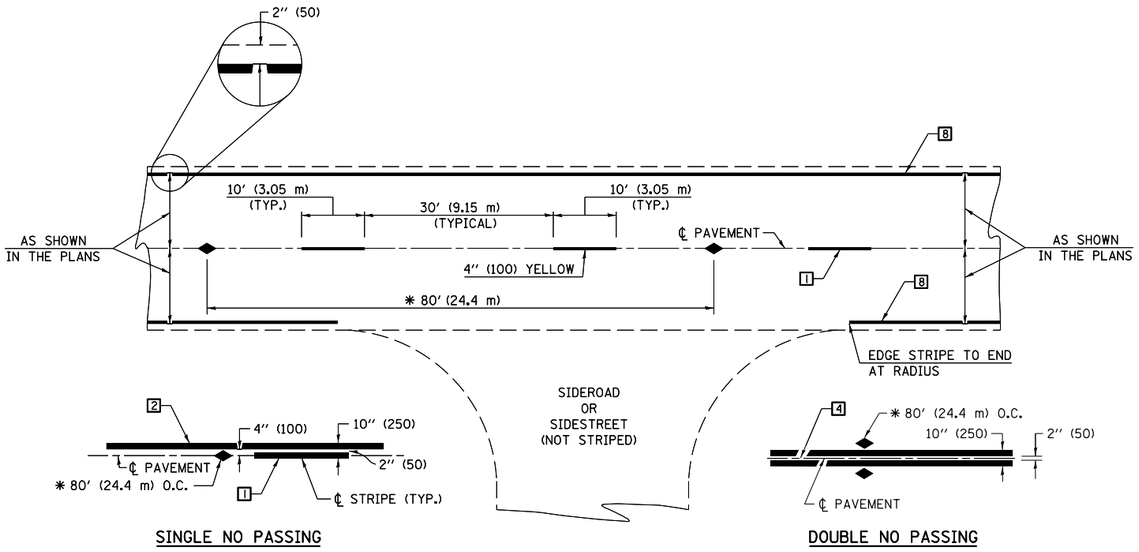
$MODELNAME$	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIELD, PRIVATE & COMMERCIAL ENTRANCES, M.B.T.O & SIDEWALKS

SCALE: N/A | SHEET 2 OF 2 SHEETS | STA. ----- | TO STA. -----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	19
		CONTRACT NO. 70A49		
	ILLINOIS	FED. AID PROJECT		



SINGLE NO PASSING

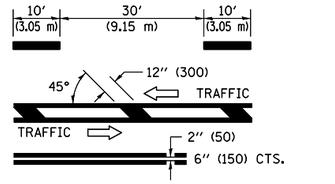
DOUBLE NO PASSING

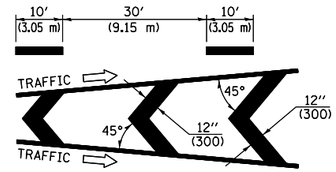
✱ REDUCE TO 40′ (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

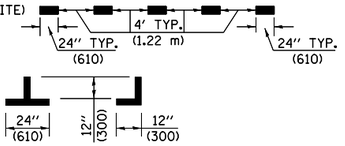
TWO LANE/TWO WAY

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



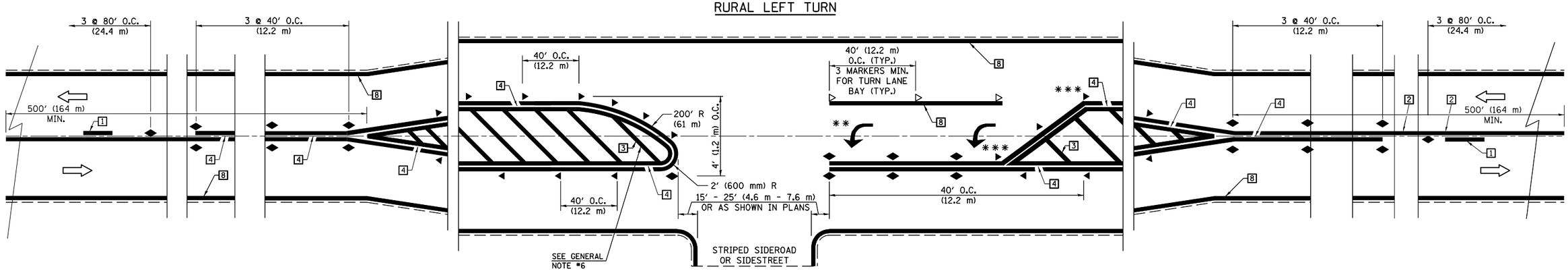




TYPICAL PAVEMENT MARKERS LEGEND

- 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.

DISTRICT 5 DETAIL NO. 7800AAAA

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	PLOT DATE = 3/15/2016	DATE -	REVISED -

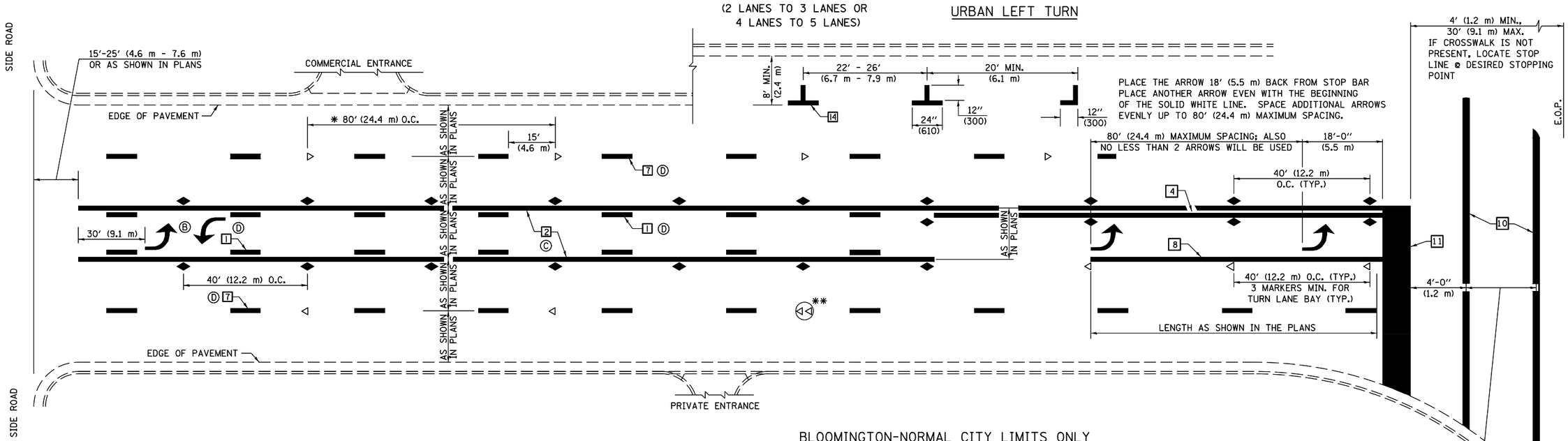
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	20
		CONTRACT NO. 70A49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

URBAN LEFT TURN



* 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.

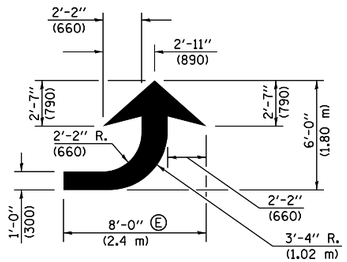
GENERAL NOTES:

Ⓑ 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.

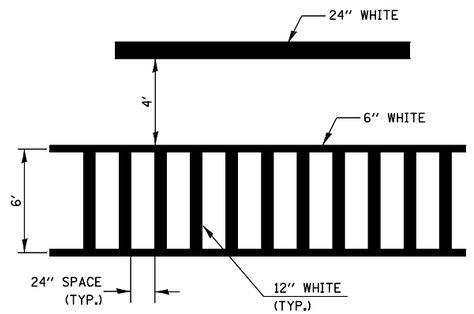
Ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



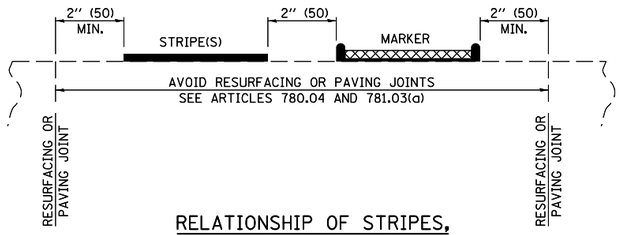
LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m^2)
(WHITE)

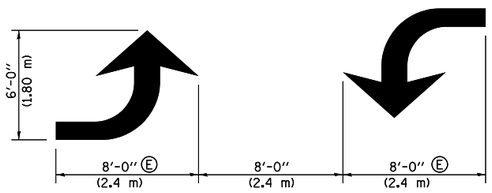
BLOOMINGTON-NORMAL CITY LIMITS ONLY



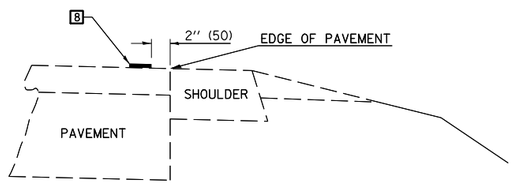
TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



TYPICAL DOUBLE TURN ARROWS (WHITE)



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT

(SAFETY SHOULDER OR PAVED SURFACE)
SEE ARTICLE 780.04

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

DISTRICT 5 DETAIL NO. 7800AAAA

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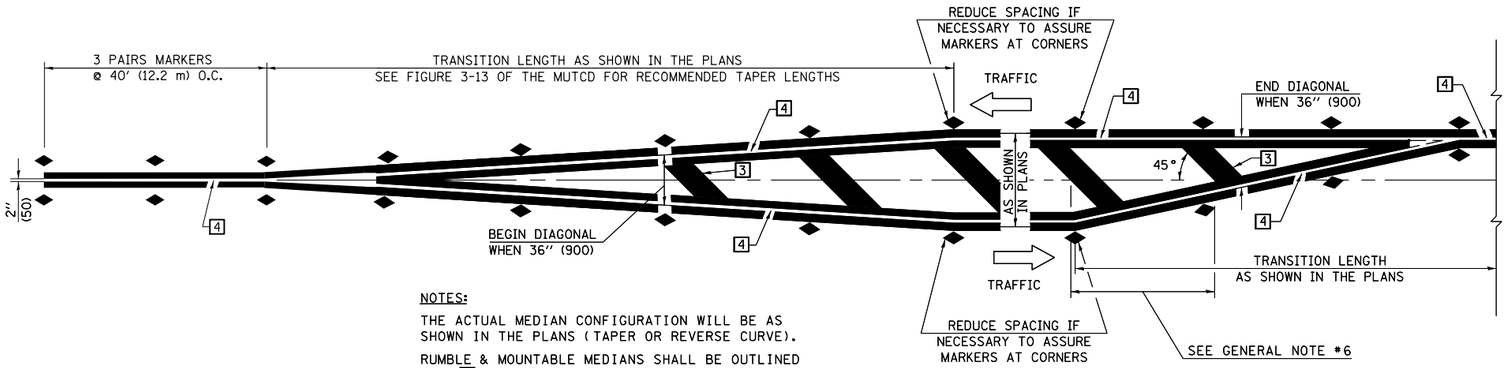
	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

SCALE: N/A | SHEET NO. 2 OF 4 SHEETS | STA. ----- | TO STA. -----

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	21
		CONTRACT NO. 70A49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

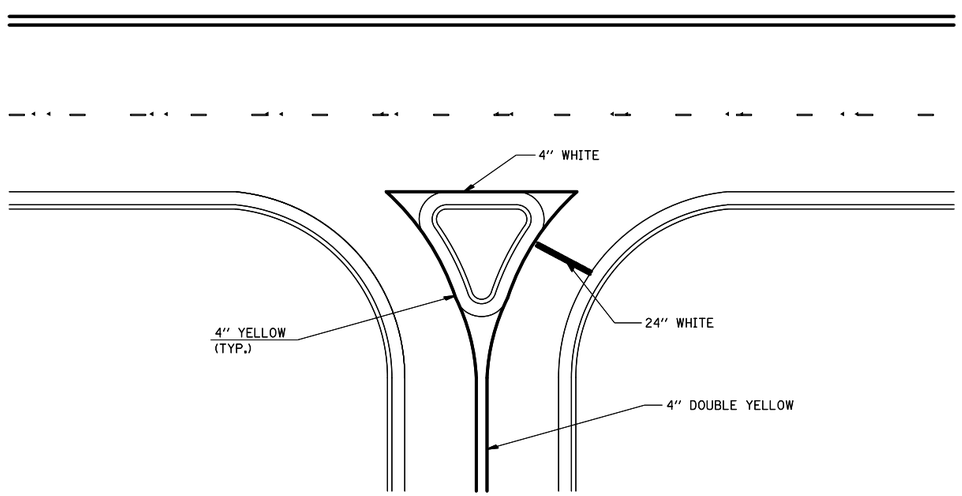
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).

RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

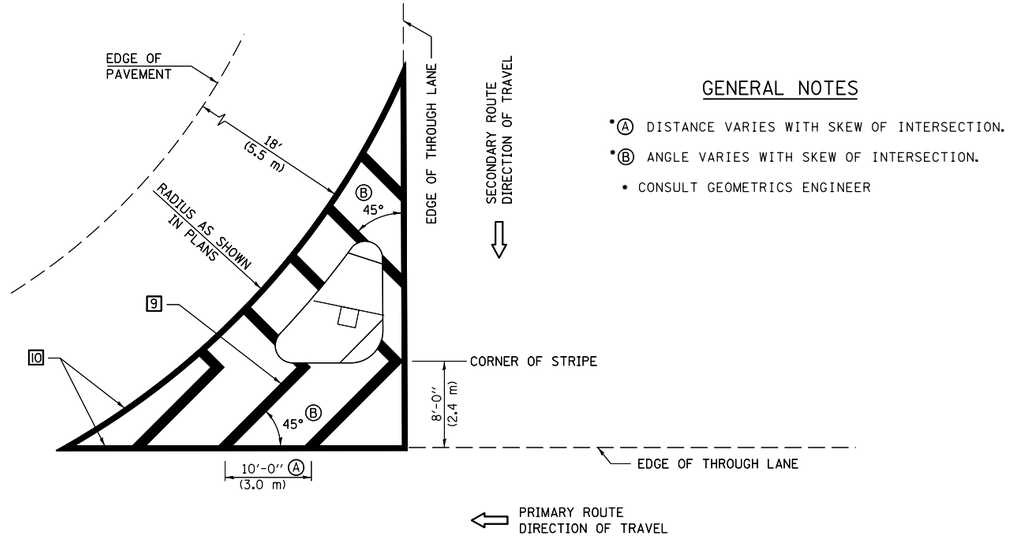
TYPICAL MEDIAN TRANSITIONS

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

*Ⓐ DISTANCE VARIES WITH SKEW OF INTERSECTION.

*Ⓑ ANGLE VARIES WITH SKEW OF INTERSECTION.

• CONSULT GEOMETRICS ENGINEER

ISLAND

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

DISTRICT 5 DETAIL NO. 7800AAAA

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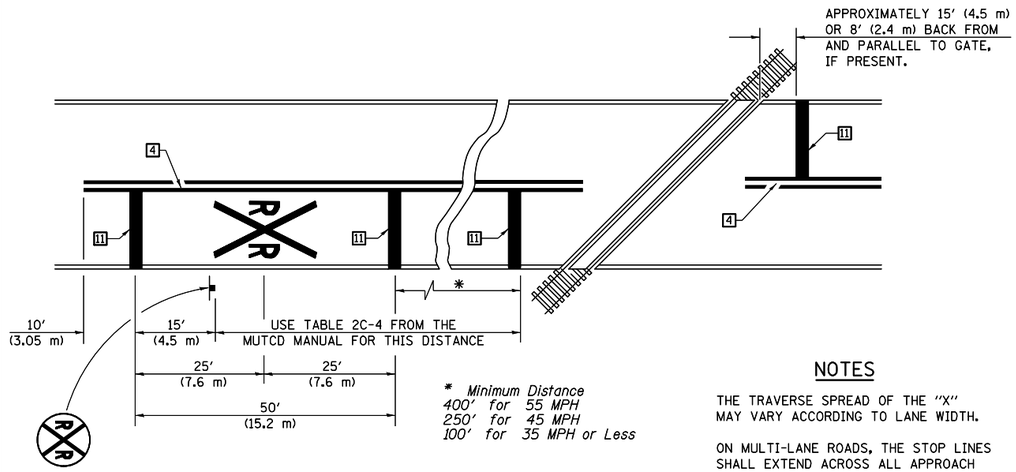
	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

SCALE: N/A | SHEET NO. 3 OF 4 SHEETS | STA. ----- | TO STA. -----

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	22
		CONTRACT NO. 70A49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

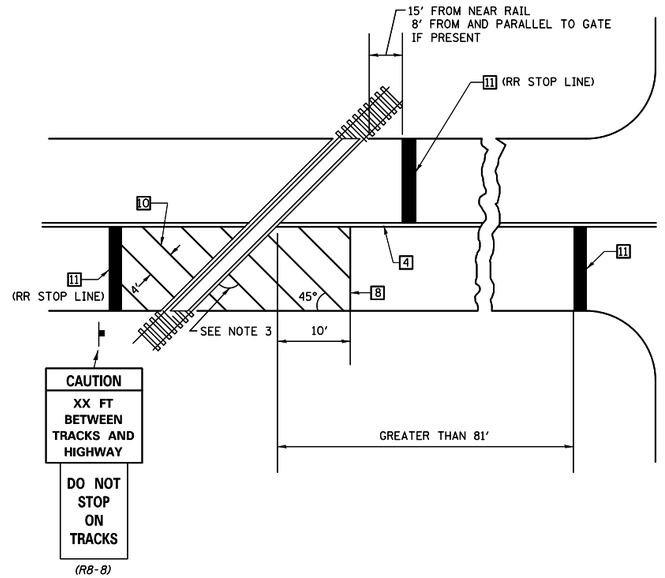
NOTES

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

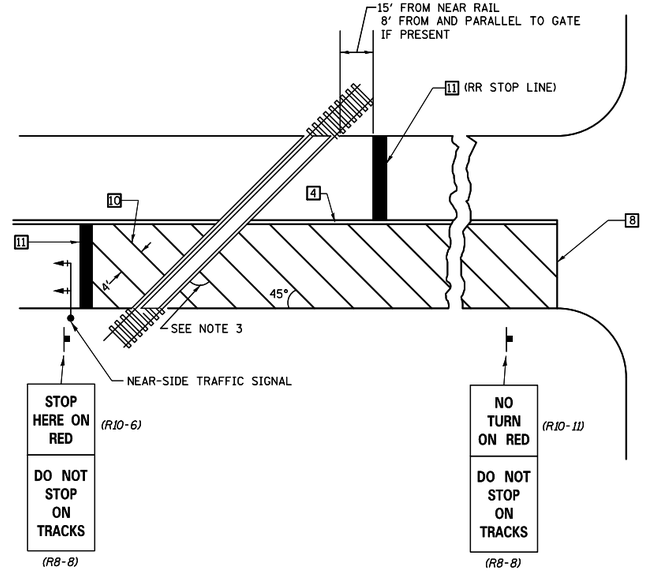
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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

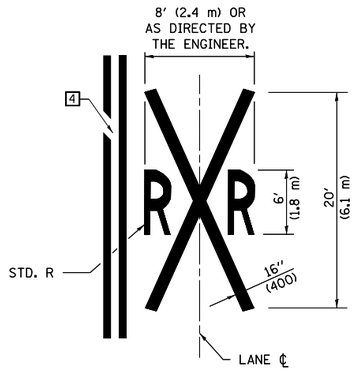
RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING



GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
3. 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.

DISTRICT 5 DETAIL NO. 7800AAAA

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	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

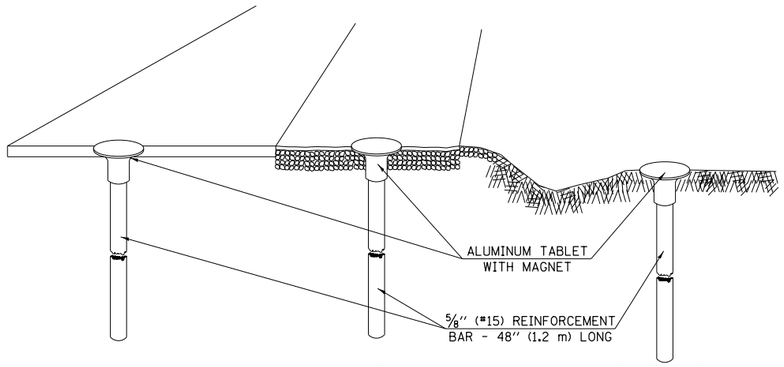
PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

SCALE: N/A | SHEET NO. 4 OF 4 SHEETS | STA. ----- | TO STA. -----

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	23
		CONTRACT NO. 70A49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

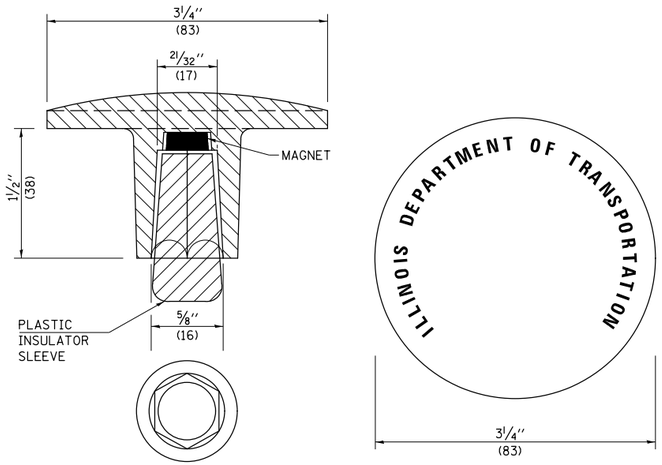
TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



IN FLEXIBLE PAVEMENT OR SHOULDER

IN BITUMINOUS TREATED SURFACE

IN TURF AREAS WITHIN R.O.W.



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE 1 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE REINFORCEMENT BAR AND ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE.
2. ALL SURVEY MARKERS, TYPE 1 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE 1 (SPECIAL).

SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3 1/4" (83 mm) CONVEX SURVEY CAP FOR 5/8" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1 1/2" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

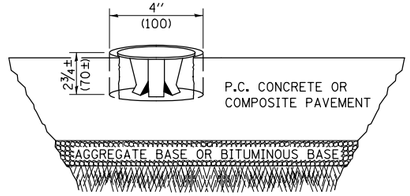
SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE 5/8" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR 5/8" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

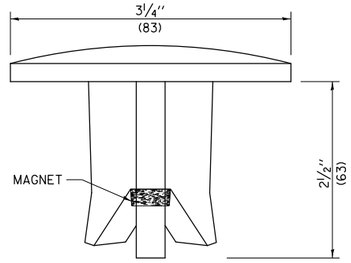
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



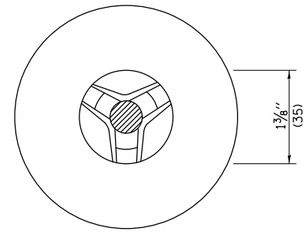
SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE 3 1/4" (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A 2 1/2" (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

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; QQ-A-601ES. NO EXCEPTIONS.



SIDE VIEW



BOTTOM VIEW

THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

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

DISTRICT 5 DETAIL NO. XZ193AAA

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	PLOT DATE = 3/15/2016	DATE -	REVISED -
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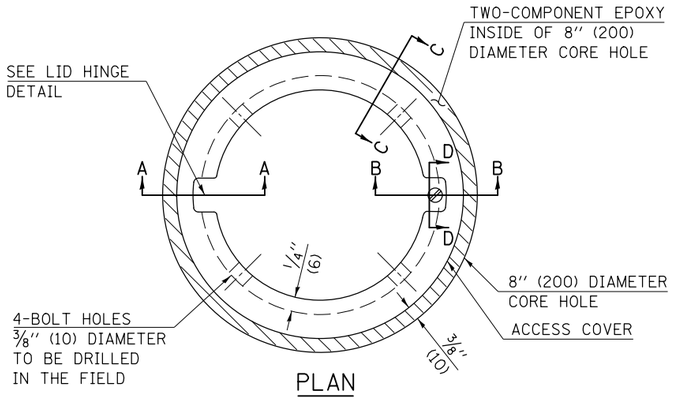
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

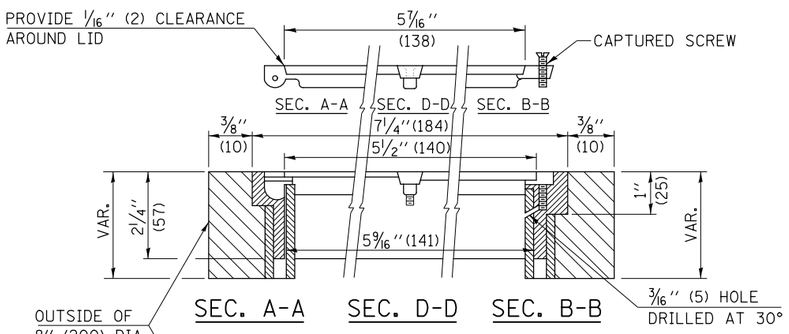
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	24
		CONTRACT NO. 70A49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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)



PLAN

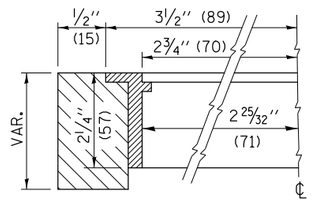


SEC. A-A SEC. D-D SEC. B-B

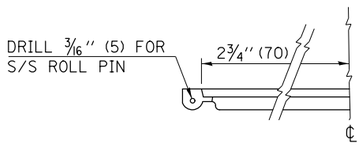
ELEVATION

LEGEND

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



SECTION C-C



LID HINGE DETAIL

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; QQ-A-601Es. NO EXCEPTIONS.

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.

DISTRICT 5 DETAIL NO. Z0070100

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	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SURVEY MONUMENT COVER ASSEMBLY

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41Q-1)(41-15,211)Q	CHAMPAIGN	25	25
		CONTRACT NO. 70A49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		