

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
 FOR SUMMARY OF QUANTITIES, SEE SHEET NOS. 4-8

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**PROPOSED  
 HIGHWAY PLANS**

F.A.U. RTE. 6383 / (OLD ROUTE 66)  
 SECTION (16,17,18)RS-3  
 PROJECT STP-DRTW(734)  
 3P RESURFACING-STANDARD OVERLAY  
 MCLEAN COUNTY

C-95-013-20  
 SHIRLEY TO I-74

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	1
		ILLINOIS	CONTRACT NO. 70E16	

P-95-002-20



**CURRENT TRAFFIC DATA (2019): FAU 6383 (OLD US 66)**

DESIGN DESIGNATION	LEG "A" MAJ COLLECTOR	LEG "B" MIN ARTERIAL	LEG "C" MIN ARTERIAL
CURRENT ADT	1700	900	2050
P.U. & P.C.%	95.3	90.0	93.7
S.U.%	3.5	4.4	3.9
M.U.%	1.2	5.6	2.4

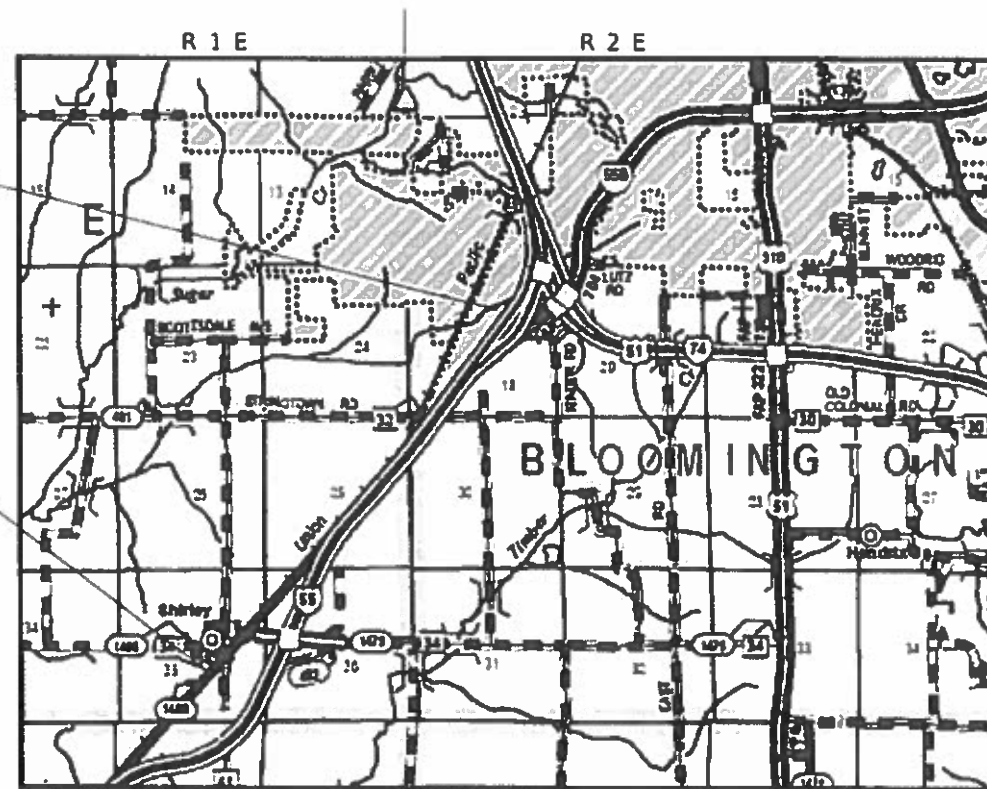
LEG "A": OLD 66 FROM FAU 6381 (QUINN ST.) TO FAU 6434  
 LEG "B": OLD 66 FROM FAU 6434 TO FAU 6340 (STRINGTOWN RD.)  
 LEG "C": OLD 66 FROM FAU 6340 (STRINGTOWN RD.) TO I-74

**TOWNSHIPS**

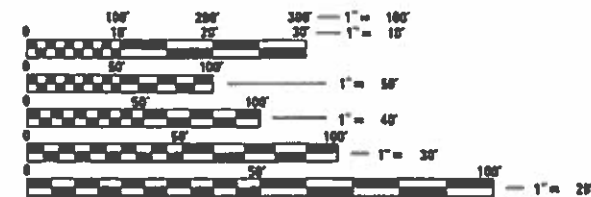
DALE, BLOOMINGTON
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PROJECT ENDS:  
 STA. 534+87.00

PROJECT BEGINS:  
 STA. 377+05.00  
 SHIRLEY  
 START FAU 6383



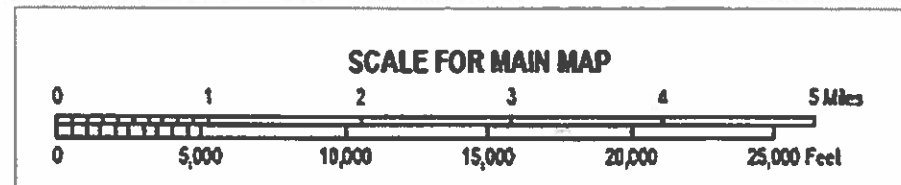
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FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JASON STULTS  
 SQUAD LEADER: GREG EAGLIN  
 DESIGNER: JASON GOBLE  
 PHONE NUMBER: (217)465-4181  
 CONTRACT NO. 70E16



GROSS LENGTH = 15,782.00 FT. = 2.989 MILES  
 NET LENGTH = 15,782.00 FT. = 2.989 MILES

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED 03/17 2020  
Kensil G. Barnett  
 REGION THREE ENGINEER

MAY 8 20 20  
[Signature]  
 ENGINEER OF DESIGN AND ENVIRONMENT

MAY 8 20 20  
[Signature]  
 DIRECTOR OF HIGHWAY PROJECT IMPLEMENTATION

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 OF THE STATE OF ILLINOIS

**INDEX OF SHEETS:**

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**LIST OF HIGHWAY STANDARDS:**

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
630001-12	STEEL PLATE BEAM GUARDRAIL
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

**COMMITMENTS:**

COORDINATE WITH MCLEAN COUNTY HIGHWAY DEPARTMENT ON BRIDGE DECK JOINT WORK ADJOINING RESURFACING ON QUINN STREET.

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PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, HIGHWAY STANDARDS, COMMITMENTS			
SCALE: N-T-S	SHEET 1 OF 2 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	2
CONTRACT NO. 70E16				
ILLINOIS		FED. AID PROJECT		



# SUMMARY OF QUANTITIES

LOCATION OF WORK:	FAU 6383 (OLD US 66)
	URBAN - 2 LANE
	MIN. COLLECTOR / MAJ. ARTERIAL
	STA. 377+05.00 TO STA. 534+87.00
COUNTY:	MCLEAN
FUNDING BREAKOUT:	FEDERAL 80% / STATE 20%
CONSTRUCTION TYPE CODE:	0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
35800100	PREPARATION OF BASE	SQ YD	33.0
35800200	AGGREGATE BASE REPAIR	TON	28.0
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	2.0
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	28,684.0
40600990	TEMPORARY RAMP	SQ YD	227.0
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	1,678.0
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2,308.0
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	3,552.0
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	64.0
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	370.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	82.0
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	745.0
* 42400800	DETECTABLE WARNINGS	SQ FT	169.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	315.0
* SPECIALTY ITEM			

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PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: N-T-S      SHEET 1 OF 5 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	4
			CONTRACT NO. 70E16	
ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAU 6383 (OLD US 66)

URBAN - 2 LANE

MIN. COLLECTOR / MAJ. ARTERIAL

STA. 377+05.00 TO STA. 534+87.00

COUNTY:

MCLEAN

FUNDING BREAKOUT:

FEDERAL 80% / STATE 20%

CONSTRUCTION TYPE CODE:

0005

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	23,967.0
	44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	18,318.0
	44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	176.0
	44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	56.0
	44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	120.0
	44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	678.0
	44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	40.0
	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	759.0
	48203100	HOT-MIX ASPHALT SHOULDERS	TON	27.0
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1.0
	* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	25.0
	* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2.0
	63200310	GUARDRAIL REMOVAL	FOOT	104.0
	67100100	MOBILIZATION	L SUM	1.0
* SPECIALTY ITEM				

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PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: N-T-S      SHEET 2 OF 5 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	5
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAU 6383 (OLD US 66)  
 URBAN - 2 LANE  
 MIN. COLLECTOR / MAJ. ARTERIAL  
 STA. 377+05.00 TO STA. 534+87.00  
 COUNTY: MCLEAN  
 FUNDING BREAKOUT: FEDERAL 80% / STATE 20%  
 CONSTRUCTION TYPE CODE: 0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1.0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4,744.0
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	528.0
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	50.0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	37,751.0
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	409.0
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	663.0
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	10.0
* 72501000	TERMINAL MARKING - DIRECT APPLIED	EACH	2.0
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	50.0
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	409.0
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	663.0
* SPECIALTY ITEM			

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PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: N-T-S      SHEET 3 OF 5 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	6
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES

LOCATION OF WORK:	FAU 6383 (OLD US 66)
	URBAN - 2 LANE
	MIN. COLLECTOR / MAJ. ARTERIAL
	STA. 377+05.00 TO STA. 534+87.00
COUNTY:	MCLEAN
FUNDING BREAKOUT:	FEDERAL 80% / STATE 20%
CONSTRUCTION TYPE CODE:	0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	10.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	37,751.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	208.0
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	2.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	208.0
X0327036	BIKE PATH REMOVAL	SQ YD	83.0
X0327584	GRADING AND SHAPING SHOULDERS, SPECIAL	FOOT	10,807.0
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	814.0
X4406260	PARTIAL DEPTH REMOVAL, TYPE II, 6"	SQ YD	328.0
X4421000	PARTIAL DEPTH PATCHING	TON	112.0
* X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	50.0
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	68.0
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	116.0
* XZ193400	SURVEY MARKER, TYPE 2 (SPECIAL)	EACH	2.0
* SPECIALTY ITEM			

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

### SUMMARY OF QUANTITIES

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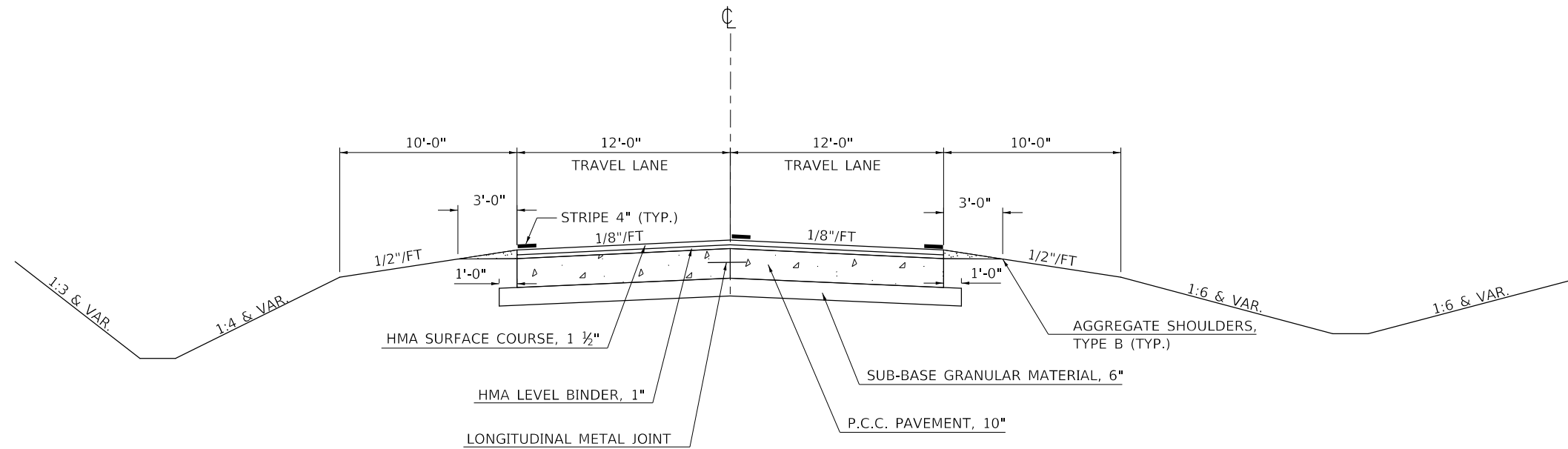
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6383	(16,17,18)RS-3	MCLEAN	44	7
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				





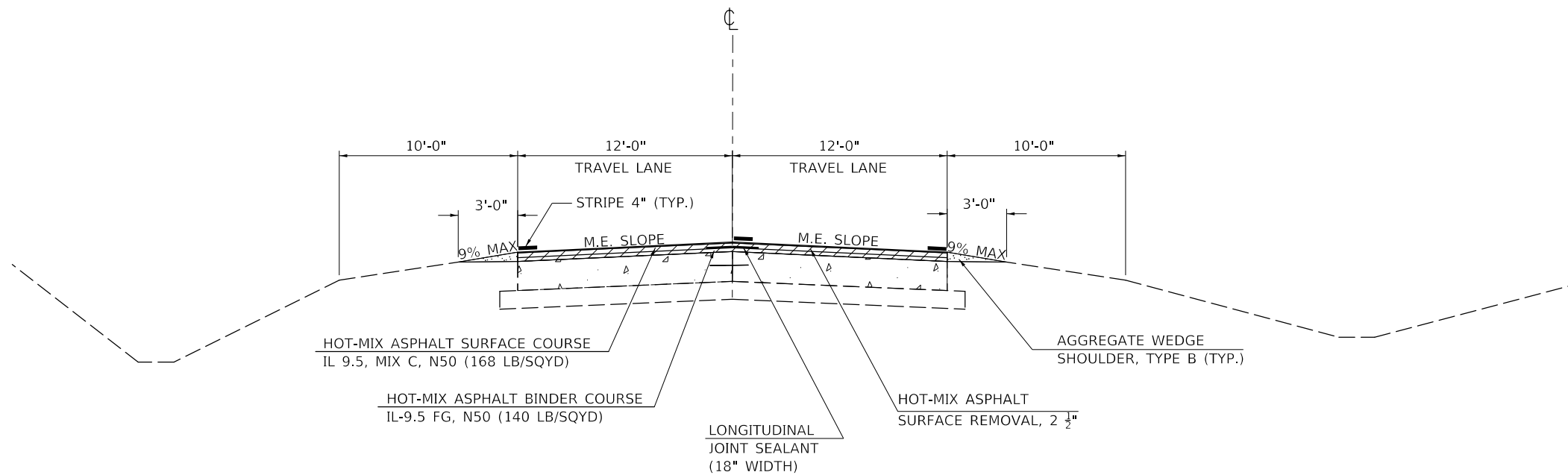
**(A) EXISTING TYPICAL CROSS SECTION (OLD US 66)**

STATION TO STATION  
377+05.00 418+87.00 (B)



**(1) PROPOSED TYPICAL CROSS SECTION (OLD US 66)**

STATION TO STATION  
377+05.00 418+87.00 (2)



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

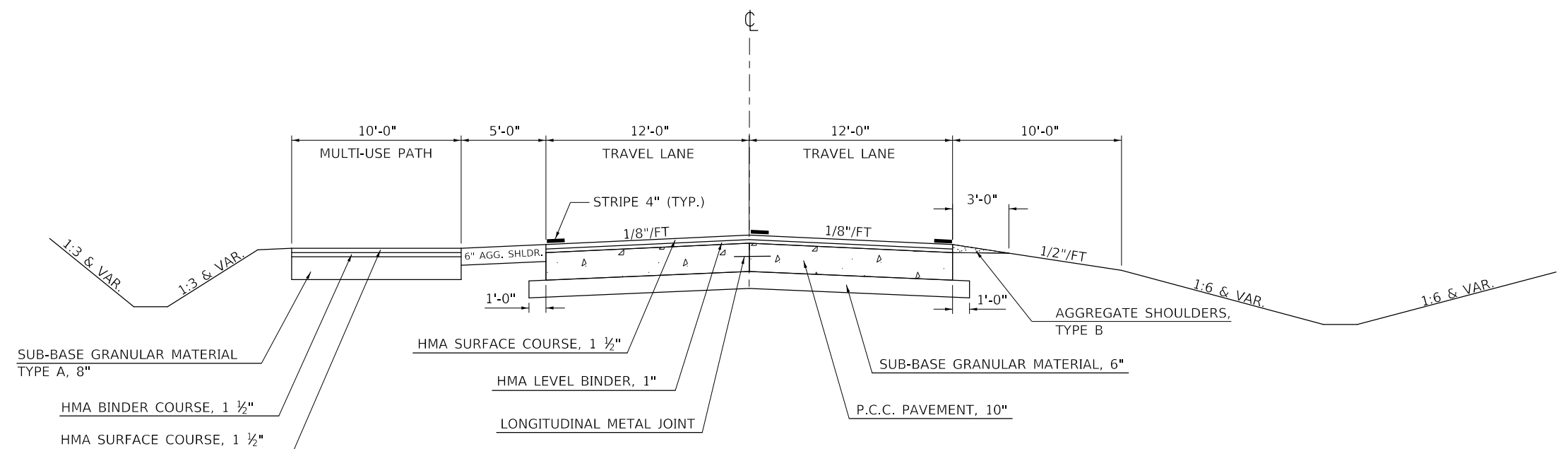
**TYPICAL CROSS SECTIONS  
FAU 6383**

SCALE: N-T-S SHEET 1 OF 3 SHEETS STA. 377+05.60 TO STA. 418+87

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	9
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				

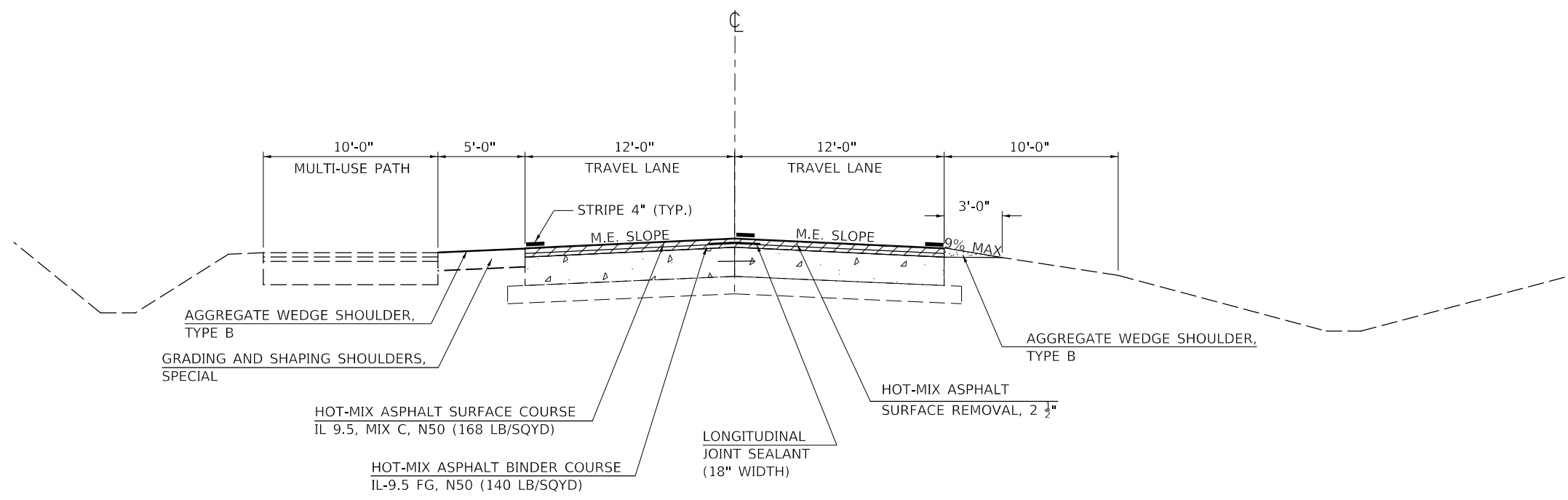
**(B) EXISTING TYPICAL CROSS SECTION (OLD US 66)**

STATION TO STATION  
 (A) 418+87.00 TO 466+18.00 (C)



**(2) PROPOSED TYPICAL CROSS SECTION (OLD US 66)**

STATION TO STATION  
 (1) 418+87.00 TO 466+18.00 (3)



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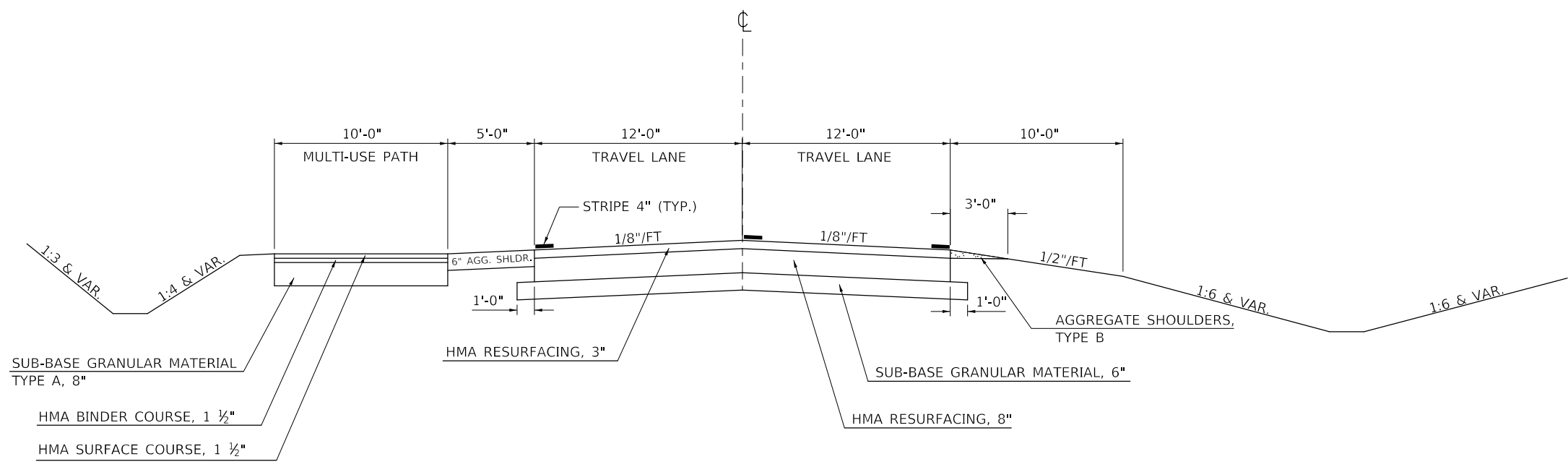
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL CROSS SECTIONS</b>			
<b>FAU 6383</b>			
SCALE: N-T-S	SHEET 2	OF 3 SHEETS	STA. 418+87 TO STA. 489+42

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	WILLIAMSON	44	10
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				

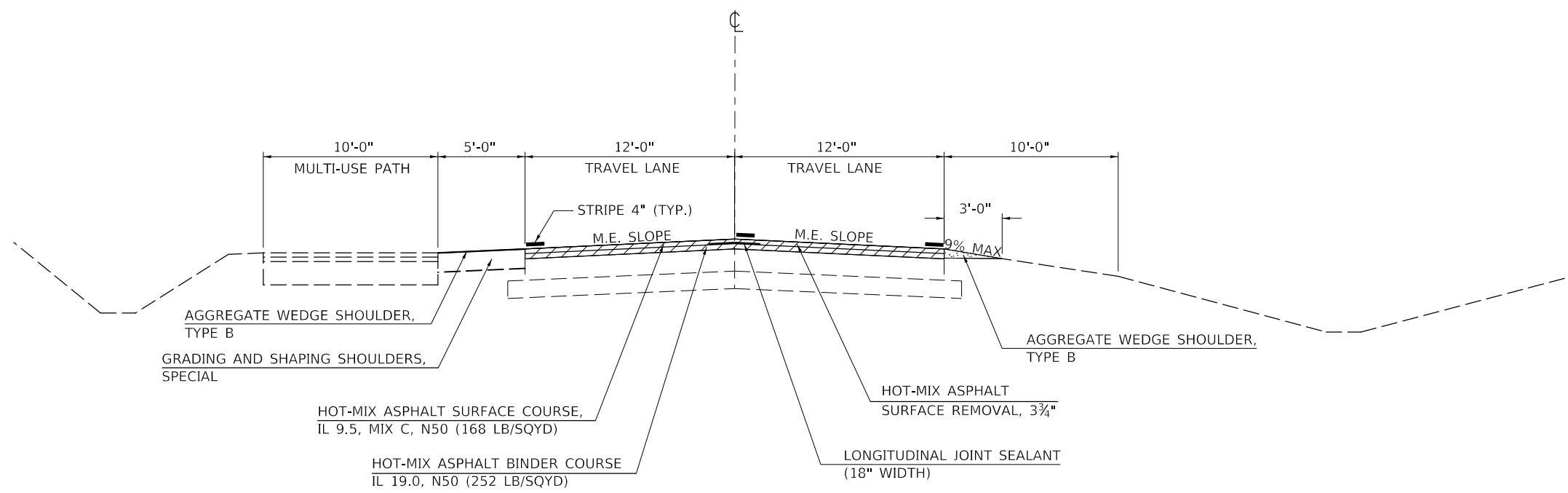
**(C) EXISTING TYPICAL CROSS SECTION (OLD US 66)**

(B) STATION TO STATION  
466+18.00 TO 534+87.00



**(3) PROPOSED TYPICAL CROSS SECTION (OLD US 66)**

(2) STATION TO STATION  
466+18.00 TO 534+87.00



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL CROSS SECTIONS FAU 6383</b>			
SCALE: N-T-S	SHEET 3 OF 3 SHEETS	STA. 489+42 TO STA. 534+87	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	11
CONTRACT NO. 70E16			ILLINOIS FED. AID PROJECT	

# SCHEDULE OF QUANTITIES

## PATCHING SCHEDULE

MAINLINE			TYPICAL SECTION NO.	44201777	44201781	44201783	44201803	44201807	X4406260	X4421000
				CLASS D, 11 INCH			CLASS D, 13 INCH		PART DEP REM T2 6	PARTIAL DEPTH PATCH
STATION	SIZE (FOOT)			TY II	TY III	TY IV	TY II	TY III	QUANTITY	QUANTITY
	LENGTH	WIDTH	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	
RT STA 377+05	6	x 12	"1"					8.0	2.7	
RT STA 379+08	6	x 12	"1"					8.0	2.7	
RT STA 380+26	6	x 12	"1"					8.0	2.7	
RT STA 381+23	6	x 12	"1"					8.0	2.7	
RT STA 382+32	6	x 12	"1"					8.0	2.7	
RT STA 383+20	6	x 12	"1"					8.0	2.7	
RT STA 384+28	6	x 12	"1"				8.0			
RT STA 388+30	6	x 12	"1"				8.0			
RT STA 390+30	6	x 12	"1"					8.0	2.7	
RT STA 392+30	6	x 12	"1"					8.0	2.7	
RT STA 394+30	6	x 12	"1"					8.0	2.7	
RT STA 395+30	6	x 12	"1"					8.0	2.7	
RT STA 396+30	6	x 12	"1"					8.0	2.7	
RT STA 397+30	6	x 12	"1"				8.0			
RT STA 399+33	6	x 12	"1"				8.0			
RT STA 400+33	6	x 12	"1"				8.0			
RT STA 401+34	6	x 12	"1"				8.0			
RT STA 403+33	6	x 12	"1"					8.0	2.7	
RT STA 404+33	6	x 12	"1"				8.0			
RT STA 406+33	6	x 12	"1"					8.0	2.7	
RT STA 407+33	6	x 12	"1"				8.0			
RT STA 408+30	6	x 12	"1"					8.0	2.7	
RT STA 410+33	15	x 12	"1"					20.0		
RT STA 412+33	6	x 12	"1"				8.0			
RT STA 413+35	6	x 12	"1"				8.0			
RT STA 414+35	6	x 12	"1"				8.0			
RT STA 416+35	6	x 12	"1"					8.0	2.7	
RT STA 418+35	6	x 12	"2"				8.0			
RT STA 421+68	6	x 12	"2"				8.0			
RT STA 422+50	6	x 12	"2"				8.0			
RT STA 423+50	6	x 12	"2"				8.0			
RT STA 424+50	6	x 12	"2"				8.0			
RT STA 425+50	6	x 12	"2"				8.0			
RT STA 427+00	6	x 12	"2"				8.0			
RT STA 426+50	6	x 12	"2"				8.0			
RT STA 427+50	6	x 12	"2"				8.0			
RT STA 428+00	6	x 12	"2"				8.0			
RT STA 428+50	6	x 12	"2"				8.0			
RT STA 429+00	6	x 12	"2"				8.0			
RT STA 430+00	6	x 12	"2"					8.0	2.7	
RT STA 431+00	6	x 12	"2"				8.0			
RT STA 434+50	6	x 12	"2"					8.0	2.7	
RT STA 435+20	6	x 12	"2"				8.0			
RT STA 436+50	8	x 12	"2"				10.7			
RT STA 437+50	6	x 12	"2"				8.0			
RT STA 438+50	6	x 12	"2"				8.0			
RT STA 439+50	6	x 12	"2"				8.0			
RT STA 440+00	6	x 12	"2"				8.0			
RT STA 441+00	6	x 12	"2"					8.0	2.7	
RT STA 442+00	6	x 12	"2"					8.0	2.7	
RT STA 444+25	6	x 12	"2"					8.0	2.7	
RT STA 444+50	6	x 12	"2"				8.0			
RT STA 445+00	6	x 12	"2"				8.0			
RT STA 446+00	6	x 12	"2"				8.0			
RT STA 448+00	6	x 12	"2"				8.0			
RT STA 449+00	6	x 12	"2"				8.0			
RT STA 450+00	6	x 12	"2"					8.0	2.7	
<b>SUB-TOTAL 1=</b>				0.0	0.0	0.0	282.7	20.0	168.0	56.4
<b>USE =</b>							283.0	20.0	168.0	57.0
				SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON

MODEL: s:\MODEL\MJMS...  
 FILE: s:\MJMS...

USER NAME = GobleJR	DESIGNED - JRG	REVISED -
DRAWN - JRG	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: N-T-S      SHEET 1 OF 8 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	12
CONTRACT NO. 70E16				
ILLINOIS			FED. AID PROJECT	

# SCHEDULE OF QUANTITIES

## PATCHING SCHEDULE (CONT.)

MAINLINE			TYPICAL SECTION NO.	44201777	44201781	44201783	44201803	44201807	X4406260	X4421000	
STATION	SIZE (FOOT)			CLASS D, 11 INCH		CLASS D, 13 INCH		PART DEP REM T2 6		PARTIAL DEPTH PATCH	
	LENGTH	WIDTH		TY II	TY III	TY IV	TY II	TY III	QUANTITY		
				SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON		
RT STA 452+00	6	x 12	"2"				8.0				
RT STA 453+00	6	x 12	"2"				8.0				
RT STA 455+00	6	x 12	"2"				8.0				
RT STA 459+00	6	x 12	"2"				8.0				
RT STA 460+00	6	x 12	"2"				8.0				
RT STA 462+25	6	x 12	"2"				8.0				
RT STA 464+20	6	x 12	"2"				8.0				
RT STA 468+00	6	x 12	"3"	8.0							
RT STA 470+00	6	x 12	"3"	8.0							
RT STA 474+00	6	x 12	"3"	8.0							
RT STA 495+59	90	x 12	"3"			120.0					
RT STA 501+25	6	x 12	"3"	8.0							
RT STA 504+00	6	x 12	"3"	8.0							
RT STA 507+20	12	x 12	"3"		16.0						
RT STA 509+50	6	x 12	"3"	8.0							
RT STA 511+00	8	x 12	"3"	10.7							
RT STA 512+80	6	x 12	"3"	8.0							
RT STA 521+30	6	x 12	"3"	8.0							
RT STA 522+10	10	x 12	"3"	13.3							
RT STA 523+00	10	x 12	"3"	13.3							
RT STA 523+70	8	x 12	"3"	10.7							
RT STA 524+30	6	x 12	"3"	8.0							
RT STA 527+40	15	x 12	"3"		20.0						
RT STA 529+95	6	x 12	"3"	8.0							
RT STA 530+45	15	x 12	"3"		20.0						
LT STA 530+45	6	x 12	"3"	8.0							
LT STA 504+00	6	x 12	"3"	8.0							
LT STA 474+00	6	x 12	"3"	8.0							
LT STA 473+10	6	x 12	"3"	8.0							
LT STA 470+00	6	x 12	"3"	8.0							
LT STA 468+00	6	x 12	"3"	8.0							
LT STA 464+20	6	x 12	"2"				8.0				
LT STA 462+25	6	x 12	"2"				8.0				
LT STA 460+00	6	x 12	"2"				8.0				
LT STA 459+00	6	x 12	"2"				8.0				
LT STA 455+00	6	x 12	"2"				8.0				
LT STA 453+00	6	x 12	"2"				8.0				
LT STA 452+00	6	x 12	"2"				8.0				
LT STA 450+00	6	x 12	"2"					8.0		2.7	
LT STA 449+00	6	x 12	"2"				8.0				
LT STA 448+00	6	x 12	"2"				8.0				
LT STA 446+00	6	x 12	"2"				8.0				
LT STA 445+00	6	x 12	"2"				8.0				
LT STA 444+50	6	x 12	"2"				8.0				
<b>SUB-TOTAL 2=</b>				<b>176.0</b>	<b>56.0</b>	<b>120.0</b>	<b>152.0</b>	<b>0.0</b>	<b>8.0</b>	<b>2.7</b>	
<b>USE =</b>				<b>176.0</b>	<b>56.0</b>	<b>120.0</b>	<b>152.0</b>	<b>0.0</b>	<b>8.0</b>	<b>3.0</b>	
				<b>SQ YD</b>	<b>SQ YD</b>	<b>SQ YD</b>	<b>SQ YD</b>	<b>SQ YD</b>	<b>SQ YD</b>	<b>TON</b>	

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USER NAME = GobleJR	DESIGNED - JRG	REVISED -
	DRAWN - JRG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

### SCHEDULE OF QUANTITIES

SCALE: N-T-S      SHEET 2 OF 8 SHEETS      STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	13
CONTRACT NO. 70E16				
ILLINOIS		FED. AID PROJECT		

# SCHEDULE OF QUANTITIES

**PATCHING SCHEDULE (CONT.)**

MAINLINE				TYPICAL SECTION NO.	44201777	44201781	44201783	44201803	44201807	X4406260	X4421000	
					CLASS D, 11 INCH			CLASS D, 13 INCH		PART DEP REM T2 6	PARTIAL DEPTH PATCH	
STATION	SIZE (FOOT)				SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON
	LENGTH	WIDTH	DEPTH									
LT STA 444+25	6	x	12	"2"						8.0	2.7	
LT STA 442+00	6	x	12	"2"						8.0	2.7	
LT STA 441+00	6	x	12	"2"						8.0	2.7	
LT STA 440+00	6	x	12	"2"				8.0				
LT STA 439+50	6	x	12	"2"				8.0				
LT STA 438+50	6	x	12	"2"				8.0				
LT STA 437+50	6	x	12	"2"				8.0				
LT STA 436+50	8	x	12	"2"				10.7				
LT STA 435+20	6	x	12	"2"				8.0				
LT STA 434+50	6	x	12	"2"						8.0	2.7	
LT STA 431+00	6	x	12	"2"				8.0				
LT STA 430+00	6	x	12	"2"						8.0	2.7	
LT STA 429+00	6	x	12	"2"				8.0				
LT STA 428+00	6	x	12	"2"				8.0				
LT STA 427+50	6	x	12	"2"				8.0				
LT STA 427+00	6	x	12	"2"				8.0				
LT STA 426+50	6	x	12	"2"				8.0				
LT STA 425+50	6	x	12	"2"				8.0				
LT STA 424+50	6	x	12	"2"				8.0				
LT STA 423+50	6	x	12	"2"				8.0				
LT STA 422+50	6	x	12	"2"				8.0				
LT STA 421+68	6	x	12	"2"				8.0				
LT STA 418+35	6	x	12	"1"				8.0				
LT STA 416+35	6	x	12	"1"						8.0	2.7	
LT STA 414+35	6	x	12	"1"				8.0				
LT STA 413+35	6	x	12	"1"				8.0				
LT STA 412+33	6	x	12	"1"				8.0				
LT STA 410+33	15	x	12	"1"					20.0			
LT STA 408+30	6	x	12	"1"						8.0	2.7	
LT STA 407+33	6	x	12	"1"				8.0				
LT STA 406+33	6	x	12	"1"						8.0	2.7	
LT STA 404+33	6	x	12	"1"				8.0				
LT STA 403+33	6	x	12	"1"						8.0	2.7	
LT STA 401+34	6	x	12	"1"				8.0				
LT STA 400+33	6	x	12	"1"				8.0				
LT STA 399+33	6	x	12	"1"				8.0				
LT STA 397+30	6	x	12	"1"				8.0				
LT STA 396+30	6	x	12	"1"						8.0	2.7	
LT STA 395+30	6	x	12	"1"						8.0	2.7	
LT STA 394+30	6	x	12	"1"				8.0				
LT STA 392+30	6	x	12	"1"						8.0	2.7	
LT STA 390+30	6	x	12	"1"						8.0	2.7	
LT STA 388+30	6	x	12	"1"				8.0				
LT STA 384+28	6	x	12	"1"				8.0				
LT STA 383+20	6	x	12	"1"						8.0	2.7	
LT STA 382+32	6	x	12	"1"						8.0	2.7	
LT STA 381+23	6	x	12	"1"						8.0	2.7	
LT STA 380+26	6	x	12	"1"						8.0	2.7	
LT STA 379+08	6	x	12	"1"						8.0	2.7	
LT STA 377+05	6	x	12	"1"						8.0	2.7	
<b>SUB-TOTAL 3=</b>					0.0	0.0	0.0	242.7	20.0	152.0	51.1	
<b>USE =</b>								243.0	20.0	152.0	52.0	
<b>TOTAL =</b>					176.0	56.0	120.0	678.0	40.0	328.0	112.0	
					SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	

MODEL: \\MODEL\NAME: FILE: \\MODEL\NAME: PROJECT: \\PROJECT\NAME: DRAWING: \\DRAWING\NAME: SHEET: \\SHEET\NAME:

USER NAME = GobleJR	DESIGNED - JRG	REVISED -
DRAWN - JRG	REVISIONS -	
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: N-T-S SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	14
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				

## SCHEDULE OF QUANTITIES

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

LOCATION	STATION	TO	STATION	LENGTH (FT)	AVG. SHOULDER WIDTH (FT)	44000155 QUANTITY (SQ YD)
RT.	384+96.40		387+28.40	232.0	6.5	167.56
RT.	389+26.00		391+23.30	197.3	6.7	146.88
TOTAL =						314.44
USE =						315.00
						SQ YD

### 44000159 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"

LOCATION	STATION	TO	STATION	LENGTH (FT)	PAVEMENT WIDTH (FT)	44000159 QUANTITY (SQ YD)
LT.	MAINLINE		377+05.00	466+18.00	8913.0	12.0
RT.	MAINLINE		377+05.00	386+55.00	950.0	12.0
RT.	MAINLINE		386+55.00	390+12.00	357.0	17.0
RT.	MAINLINE		390+12.00	466+18.00	7606.0	12.0
TOTAL =						23966.33
USE =						23967.00
						SQ YD

### 44000164 HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"

LOCATION	STATION	TO	STATION	LENGTH (FT)	PAVEMENT WIDTH (FT)	44000164 QUANTITY (SQ YD)
LT.	MAINLINE		466+18.00	534+87.00	6869.0	12.0
RT.	MAINLINE		466+18.00	534+87.00	6869.0	12.0
TOTAL =						18317.33
USE =						18318.00
						SQ YD

### 40600990 TEMPORARY RAMP

LOCATION	STATION	TO	STATION	DROP (INCH)	LENGTH (FT)	WIDTH (FT)	QUANTITY (SQ YD)	CONSTRUCT AFTER		
RT.	D.L. START		377+05.00		377+14.20	2.75	9.20	12.00	MILLING	
RT.	D.L. START		377+05.00		377+09.20	1.25	4.20	12.00	HMA BINDER	
LT.	D.L. START		377+05.00		377+14.20	2.75	9.20	12.00	MILLING	
LT.	D.L. START		377+05.00		377+09.20	1.25	4.20	12.00	HMA BINDER	
LT.	QUINN ST.		378+75.00		379+66.00	2.75	2.00	91.00	20.22	MILLING
RT.	850TH		387+28.71		389+26.00	2.75	2.00	197.29	43.84	MILLING
LT.	CH 1000TH N		487+60.00		489+42.00	2.75	2.00	182.00	40.44	MILLING
LT.	POPPY ST.		495+43.50		495+74.50	3.75	2.00	31.00	6.89	MILLING
LT.	GERANIUM ST.		501+62.00		501+98.00	3.75	2.00	36.00	8.00	MILLING
LT.	BLUE BONNET DR.		504+67.00		505+15.00	3.75	2.00	48.00	10.67	MILLING
LT.	FULLER CT.		519+34.00		519+64.00	3.75	2.00	30.00	6.67	MILLING
LT.	ASHLEY DR.		531+26.50		531+61.50	3.75	2.00	35.00	7.78	MILLING
RT.	D.L. END		534+74.50		534+87.00	3.75	12.50	12.00	16.67	MILLING
RT.	D.L. END		534+82.00		534+87.00	1.50	5.00	12.00	6.67	HMA BINDER
LT.	D.L. END		534+74.50		534+87.00	3.75	12.50	12.00	16.67	MILLING
LT.	D.L. END		534+82.00		534+87.00	1.50	5.00	12.00	6.67	HMA BINDER
TOTAL =								226.91		
USE =								227.00		
								SQ YD		

TAPER RATE = 1:40

### 60300305 FRAMES AND LIDS TO BE ADJUSTED

LOCATION	OFFSET	DESCRIPTION	60300305 QUANTITY (EACH)
STATION			(EACH)
488+36.06	LT. 28.33'	OPEN LID	1.0
TOTAL =			1.0
USE =			1.0
			EACH

# SCHEDULE OF QUANTITIES

## HOT-MIX ASPHALT - MAINLINE SCHEDULE

LOCATION	STATION	TO	STATION	LENGTH (FT)	AVE. WIDTH (FT)	AREA (SQ YD)	HMA BINDER THICKNESS	HMA SURFACE THICKNESS	*40600290 BITUMINOUS MATERIAL TACK COAT	40602965 HMA BINDER IL-9.5FG N50	40603080 HMA BINDER IL-19.0 N50	40604050 HMA SURFACE IL-9.5"C" N50	
							(INCHES)	(INCHES)	(POUND)	(TON)	(TON)	(TON)	
R.T.	TRAVEL LANE		377+05.00		386+55.00	950.00	12.00	1266.67	1.25	1.50	855.00	88.67	106.40
R.T.	TRAVEL LANE		386+55.00		390+12.00	357.00	17.00	674.33	1.25	1.50	455.18	47.20	56.64
R.T.	TRAVEL LANE		390+12.00		466+18.00	7606.00	12.00	10141.33	1.25	1.50	6845.40	709.89	851.87
R.T.	TRAVEL LANE		466+18.00		534+87.00	6869.00	12.00	9158.67	2.25	1.50	6182.10	1153.99	769.33
L.T.	TRAVEL LANE		377+05.00		466+18.00	8913.00	12.00	11884.00	1.25	1.50	8021.70	831.88	998.26
L.T.	TRAVEL LANE		466+18.00		534+87.00	6869.00	12.00	9158.67	2.25	1.50	6182.10	1153.99	769.33
									<b>TOTAL =</b>			<b>2307.98</b>	<b>3551.83</b>
									<b>USE =</b>			<b>2308.00</b>	<b>3552.00</b>
												<b>TON</b>	<b>TON</b>

\*0.05 LB/SQ FT ON MILLED HMA, 0.025 LB/SQ FT BETWEEN HMA LIFTS

## HOT-MIX ASPHALT - ENTRANCES, SIDEROADS, MAIL BOX TURNOUTS SCHEDULE

LOCATION	TYPE	SURFACE	AREA OF EX AGG (SQ YD)	AVG. HMA THICKNESS (INCH)	PRIME / TACK COAT APPLICATION RATE (LB/SQ FT)	X4400196	40800029	40800025	40800050	35800100	35800200	40200800
						HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL (SQ YD)	BITUMINOUS MATERIALS (TACK COAT) (POUND)	BITUMINOUS MATERIALS (PRIME COAT) (POUND)	INCIDENTAL HMA SURFACING (TON)	PREPARATION OF BASE (SQ YD)	AGGREGATE BASE REPAIR (TON)	AGGREGATE SURFACE COURSE, TYPE B (TON)
RT.	STA 378+76.00	P.E.	HMA	0.00	2.25	0.05	214.67	96.60	0.00	27.05	4.29	0.00
LT.	STA 379+19.00	QUINN ST.	HMA	0.00	1.5	0.05	186.58	83.96	0.00	15.67	0.00	0.00
RT.	STA 391+47.00	F.E.	AGG	194.00	2.75	0.05 / 0.25	0.00	0.00	48.50	3.32	21.56	6.47
RT.	STA 418+57.28	P.E./MBTO	AGG	17.00	2.75	0.05 / 0.25	0.00	0.85	4.25	0.29	1.89	0.57
RT.	STA 419+35.00	P.E./MBTO	HMA	208.44	1.5	0.05	49.94	24.72	11.24	4.96	4.99	20.84
LT.	STA 488+76.00	CH 1000TH RD	HMA	0.00	1.5	0.05	362.28	163.03	0.00	30.43	0.00	0.00
						<b>TOTAL =</b>	<b>813.46</b>	<b>369.16</b>	<b>63.99</b>	<b>81.72</b>	<b>32.73</b>	<b>27.88</b>
						<b>USE =</b>	<b>814.00</b>	<b>370.00</b>	<b>64.00</b>	<b>82.00</b>	<b>33.00</b>	<b>28.00</b>
							<b>SQ YD</b>	<b>POUND</b>	<b>POUND</b>	<b>TON</b>	<b>SQ YD</b>	<b>TON</b>

LOCATION	TYPE	SURFACE	AREA REMOVAL (SQ FT)	TOTAL (SQ FT)	AGG THICKNESS (INCH)	
RT.	STA 378+76.00	P.E.	HMA	1,932.00	1932	1.88
LT.	STA 379+19.00	QUINN ST.	HMA	1,679.20	1679.2	
RT.	STA 391+47.00	F.E.	AGG	0.00	194.0	6.00
RT.	STA 418+57.28	P.E./MBTO	AGG	0.00	17.0	
RT.	STA 419+35.00	P.E./MBTO	HMA	449.46	657.9	1.88
LT.	STA 488+76.00	CH 1000TH RD	HMA	3,260.50	3260.50	1.88

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USER NAME = GobleJR	DESIGNED - JRG	REVISED -
DRAWN - JRG	CHECKED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	DATE -	REVISED -
PLOT DATE = 3/16/2020		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: N-T-S      SHEET 5 OF 8 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	16
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				



# SCHEDULE OF QUANTITIES

## HOT-MIX ASPHALT - SHOULDERS SCHEDULE

LOCATION	STATION	TO	STATION	PAVED SHOULDER WIDTH (FOOT)	PAVED SHOULDER THICKNESS (INCH)	TACK COAT APPLICATION RATE (LB/SQ FT)	48203100	40600290	
							HOT-MIX ASPHALT SHOULDERS (TON)	BITUMINOUS MATERIALS (TACK COAT) (POUND)	
RT.	384+96.00		387+28.00	6.5	1.50	1.50	0.05	14.07	75.40
RT.	389+26.00		391+23.00	6.7	1.50	1.50	0.05	12.32	66.00
							TOTAL =	26.39	141.40
							USE =	27.00	142.00
								TON	POUND

## Z0033700 LONGITUDINAL JOINT SEALANT

					Z0033700
LOCATION (FAU 6383)	STATION	TO	STATION	LENGTH (FT)	
MAINLINE	C.L.	377+05.00	534+87.00	15782.00	
				TOTAL =	15782.00
				USE =	15782.00
					FT

## XZ193400 SURVEY MARKER, TYPE 2 (SPECIAL)

					XZ193400
LOCATION	OFFSET	DESCRIPTION			SURVEY MARKER, TYPE 2 (SPECIAL) (EACH)
NORTHING	EASTING	STATION			
1372703.558	789870.081	508+12.34	-0.85	PI DISK	1.0
1374934.537	791607.628	536+40.11	0.00	PI DISK	1.0
				TOTAL	2.0
				USE =	2.0
					EACH

- 42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- X0327036 BIKE PATH REMOVAL
- 42400800 DETECTABLE WARNINGS

LOCATION	STATION	TO	STATION	DESCRIPTION	42400200 PC CONC SIDEWALK 5" (SQ FT)	X0327036 BIKE PATH REMOVAL (SQ YD)	42400800 DETECTABLE WARNINGS (SQ FT)	
RT.	418+64.06		418+82.66	CONSTITUTION TRAIL X-ING (EAST)	106.8	12.4	28.3	
LT.	418+91.38		419+16.09	CONSTITUTION TRAIL X-ING(WEST)	94.3	9.8	43.4	
LT.	487+40.17		487+73.17	CH 1000TH N (SOUTH)	307.4	34.7	48.5	
LT.	489+22.54		489+46.20	CH 1000TH N (NORTH)	235.7	25.5	48.3	
					TOTAL=	744.2	82.4	168.5
					USE=	745.0	83.0	169.0
						SQ FT	SQ YD	SQ FT

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	DRAWN - JRG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULE OF QUANTITIES</b>	
SCALE: N-T-S	SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	17
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				

# SCHEDULE OF QUANTITIES

## GUARDRAIL SCHEDULE

LOCATION	STATION	TO	STATION	OFFSET (FT)	63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT POSTS (FT)	63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	63200310 GUARDRAIL REMOVAL (FT)	72501000 TERMINAL MARKER - DIRECT APPLIED (EACH)	78200005 GUARDRAIL REFLECTORS, TYPE A (EACH)
RT.	488+19.85		488+69.85	24.7		1.0		1.0	
RT.	488+69.85		488+94.85	24.7	25.0				2.0
RT.	488+94.85		489+44.85	24.7		1.0		1.0	
RT.	488+29.61		489+33.15	22.7			104.0		
TOTAL =					25.0	2.0	104.0	2.0	2.0
USE =					25.0	2.0	104.0	2.0	2.0
					FT	EACH	FT	EACH	EACH

## X0327584 GRADING AND SHAPING SHOULDERS, SPECIAL

LOCATION	STATION	TO	STATION	X0327584 QUANTITY (FT)	AGGREGATE SHOULDER WIDTH (FT)	AVERAGE SHOULDER THICKNESS (INCH)
LT.	419+12.80		486+87.30	6774.5	5.0	6.00
LT.	489+62.60		495+21.50	558.9	5.0	6.00
LT.	495+99.30		501+21.40	522.1	5.0	6.00
LT.	502+38.70		504+38.10	199.4	5.0	6.00
LT.	505+42.70		519+20.80	1378.1	5.0	6.00
LT.	520+18.50		530+93.60	1075.1	5.0	6.00
LT.	531+88.60		534+87.00	298.4	5.0	6.00
TOTAL =				10806.50		
USE =				10807.00		
				FT		

- 78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"**
- 78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"**
- 78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"**
- X7830074 GROOVING FOR RECESSED PAVEMENT MARKING, 7"**
- X7830078 GROOVING FOR RECESSED PAVEMENT MARKING, 13"**

LOCATION	STATION	TO	STATION	78000400 QUANTITY (FT)	78000600 QUANTITY (FT)	78000650 QUANTITY (FT)	COLOR	X7830074 QUANTITY (FT)	X7830078 QUANTITY (FT)
RT.	TRAIL X-ING		418+67.92				WHITE	34.0	
RT.	TRAIL X-ING		418+82.04	34.0			WHITE	34.0	
RT.	TRAIL X-ING		418+69.60		116.0		WHITE		116.0
LT.	CH 1000TH N		487+52.93	190.0			WHITE		
LT.	CH 1000TH N		487+72.89	151.0			WHITE		
LT.	CH 1000TH N		487+59.61		547.0		WHITE		
RT.	TRAIL X-ING		418+64.87			5.0	WHITE		
LT.	TRAIL X-ING		419+04.18			5.0	WHITE		
TOTAL =				409.0	663.0	10.0		68.0	116.0
USE =				409.0	663.0	10.0		68.0	116.0
				FT	FT	FT		FT	FT

## 48102100 AGGREGATE WEDGE SHOULDER, TYPE B

LOCATION	STATION	TO	STATION	LENGTH (FOOT)	AGGREGATE SHOULDER WIDTH (FOOT)	AVERAGE SHOULDER THICKNESS (INCH)	48102100 QUANTITY (TON)
RT.	377+05.00		384+96.50	791.5	3.0	1.88	24.73
RT.	389+23.00		534+87.00	14564.0	3.0	1.88	455.13
LT.	377+05.00		378+84.50	179.5	3.0	1.88	5.61
LT.	379+59.00		418+92.50	3933.5	3.0	1.88	122.92
LT.	419+12.80		486+87.30	6774.5	5.0	0.50	94.09
LT.	489+62.60		495+21.50	558.9	5.0	0.50	7.76
LT.	495+99.30		501+21.40	522.1	5.0	0.50	7.25
LT.	502+38.70		504+38.10	199.4	5.0	0.50	2.77
LT.	505+42.70		519+20.80	1378.1	5.0	0.50	19.14
LT.	520+18.50		530+93.60	1075.1	5.0	0.50	14.93
LT.	531+88.60		534+87.00	298.4	5.0	0.50	4.14
TOTAL =							758.47
USE =							759.00
							TON

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PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

### SCHEDULE OF QUANTITIES

SCALE: N-T-S      SHEET 7 OF 8 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	18
CONTRACT NO. 70E16				
ILLINOIS		FED. AID PROJECT		

# SCHEDULE OF QUANTITIES

### 70300100 SHORT TERM PAVEMENT MARKING

### 70300150 SHORT TERM PAVEMENT MARKING REMOVAL

LOCATION	STATION	TO	STATION	70300100	APPLY			70300150
				QUANTITY (FT)	AFTER	TO	COLOR	QUANTITY (SQ FT)
L.T.	CENTERLINE	377+05.00	466+06.00	2673.0	①MILLING ②HMA BINDER ③HMA SURFACE	C.L.	YELLOW	297.0
NO PASS	CENTERLINE	466+06.00	490+99.00	750.0	①MILLING ②HMA BINDER ③HMA SURFACE	C.L.	YELLOW	83.3
L.T.	CENTERLINE	490+99.00	534+87.00	1321.0	①MILLING ②HMA BINDER ③HMA SURFACE	C.L.	YELLOW	146.8
TOTAL =				4744.0			TOTAL =	527.1
USE =				4744.0			USE =	528.0
				FT			SQ FT	

### 78100100 RAISED REFLECTIVE PAVEMENT MARKER

### 78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

LOCATION	STATION	TO	STATION	LENGTH (FT)	78100100	78300200
					TWO-WAY AMBER QUANTITY (EACH)	RRPM REMOVAL QUANTITY (EACH)
SINGLE	C.L.	377+05.00	466+06.00	8901.00	112.0	112.0
NO PASS	C.L.	466+06.00	472+46.00	640.00	8.0	8.0
NO PASS DOUBLE	C.L.	472+46.00	478+66.00	620.00	16.0	16.0
NO PASS	C.L.	478+66.00	490+99.00	1233.00	16.0	16.0
SINGLE	C.L.	490+99.00	534+87.00	4388.00	56.0	56.0
TOTAL =					208.0	208.0
USE =					208.0	208.0
					EACH	EACH

### 78001110 PAINT PAVEMENT MARKING - LINE 4"

LOCATION				78001110	COLOR
STATION	TO	STATION	QUANTITY (FT)		
L.T.	EDGE LINE	377+05.00	378+83.00	178.0	WHITE
L.T.	RADIUS	378+83.00	379+09.00	50.0	WHITE
L.T.	RADIUS	379+31.00	379+61.00	53.0	WHITE
L.T.	EDGE LINE	379+61.00	486+87.00	10726.0	WHITE
L.T.	EDGE LINE	488+08.00	488+55.00	47.0	WHITE
L.T.	EDGE LINE	489+62.00	495+21.00	559.0	WHITE
L.T.	EDGE LINE	495+99.00	501+21.00	522.0	WHITE
L.T.	EDGE LINE	502+38.00	504+33.00	195.0	WHITE
L.T.	EDGE LINE	505+47.00	519+21.00	1374.0	WHITE
L.T.	EDGE LINE	520+03.00	534+87.00	1484.0	WHITE
RT.	EDGE LINE	377+05.00	386+99.00	994.0	WHITE
RT.	EDGE LINE	388+16.00	388+71.00	55.0	WHITE
RT.	EDGE LINE	389+26.00	534+87.00	14561.0	WHITE
RT.	CENTERLINE SKIP-DASH	377+05.00	466+06.00	2240.0	YELLOW
RT.	NO PASS	466+06.00	472+46.00	810.0	YELLOW
L.T. / RT.	NO PASS DOUBLE	472+46.00	478+66.00	1240.0	YELLOW
L.T.	NO PASS	478+66.00	490+99.00	1553.0	YELLOW
RT.	CENTERLINE SKIP-DASH	490+99.00	534+87.00	1110.0	YELLOW
TOTAL =				37751.00	
USE =				37751.00	
				FT	

### 78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

### X7830060 GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS & SYMBOLS

LOCATION FAU 6383 (OLD RTE. 66)				78000100	X7830060
STATION	OFFSET (FOOT)		SYMBOL	THERMOPLASTIC LTR & SYM (SQ FT)	GRV RCSD PM LTR & SYM (SQ FT)
417+28.50	6.0	RT	"BIKE"	4.7	4.7
417+68.50	6.0	RT	"XING"	20.3	20.3
420+06.00	6.0	LT	"XING"	20.3	20.3
420+46.00	6.0	LT	"BIKE"	4.7	4.7
SUB-TOTAL =				50.0	50.0
TOTAL =				50.0	50.0
				SQ FT	SQ FT

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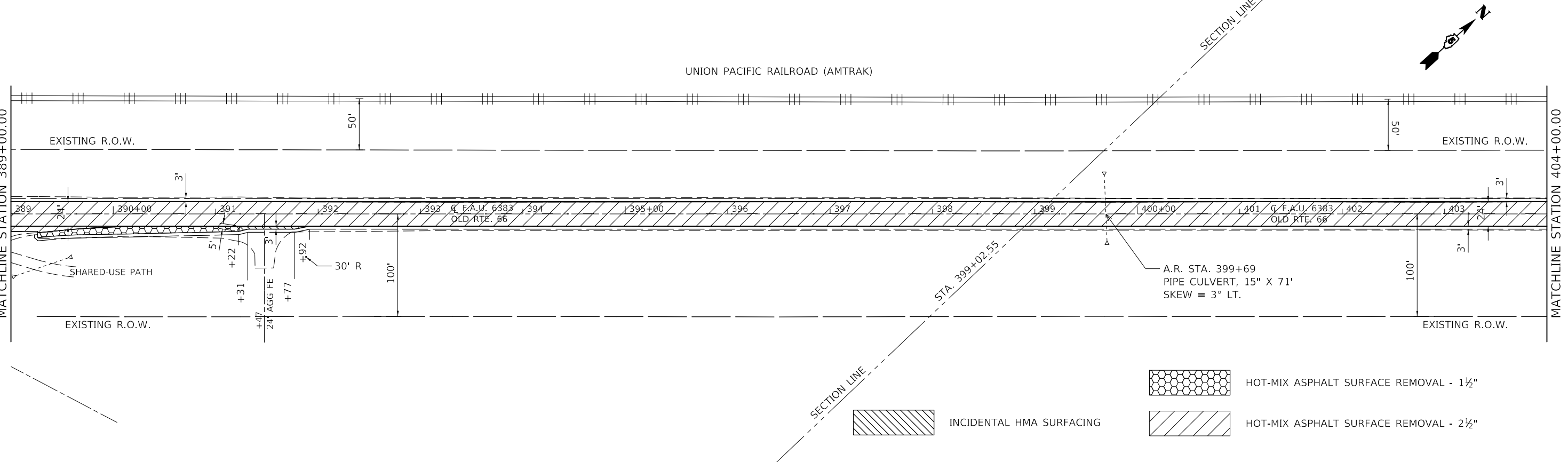
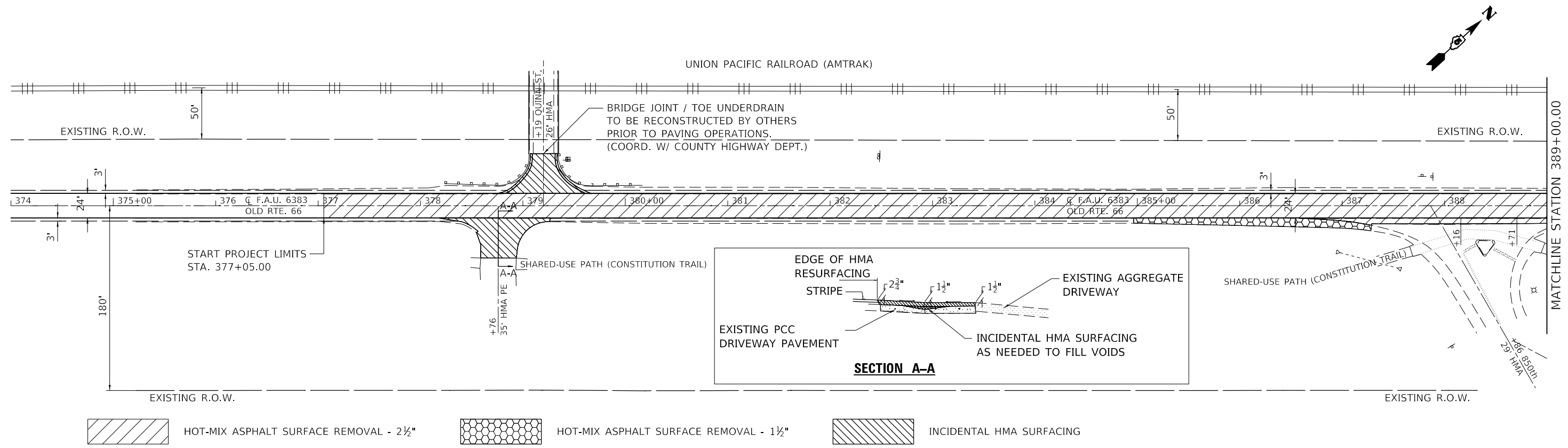
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PLOT DATE = 3/16/2020	DATE -	REVISED -

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

**SCHEDULE OF QUANTITIES**

SCALE: N-T-S      SHEET 8 OF 8 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	19
CONTRACT NO. 70E16			ILLINOIS FED. AID PROJECT	



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

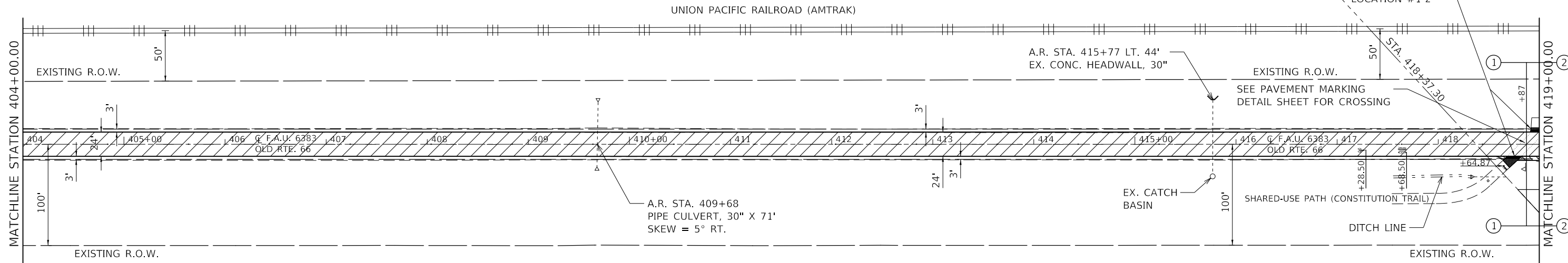
**PLAN SHEET**



SCALE: 1" = 50'    SHEET 1 OF 6 SHEETS    STA. 374+00 TO STA. 404+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	20
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				

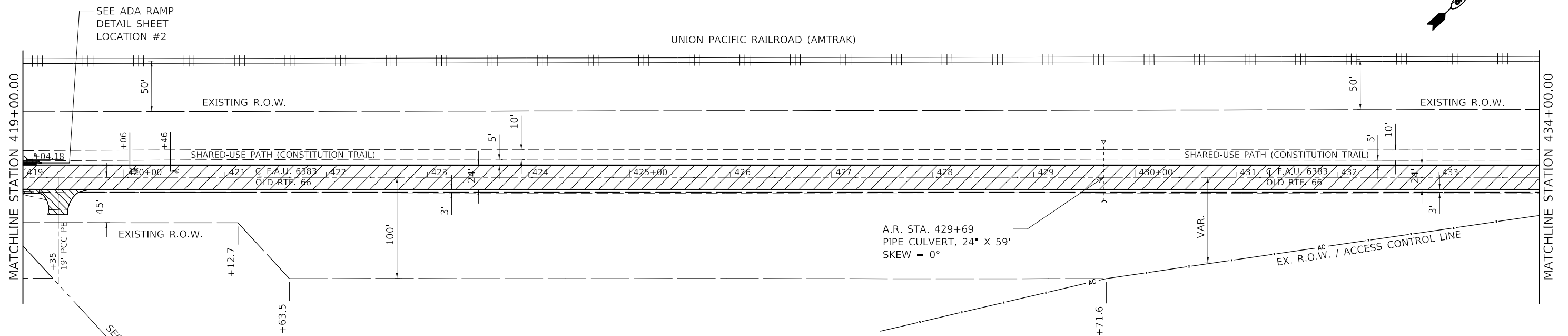
SEC. 36, T23N, R1E, 3RD P.M.  
MCLEAN COUNTY

SEC. 25, T23N, R1E, 3RD P.M.  
MCLEAN COUNTY



-  BIKE PATH REMOVAL
-  HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"

SEC. 25, T23N, R1E, 3RD P.M.  
MCLEAN COUNTY



-  INCIDENTAL HMA SURFACING
-  HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"

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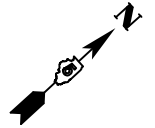
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 1" = 50'    SHEET 2 OF 6 SHEETS    STA. 404+00 TO STA. 434+00

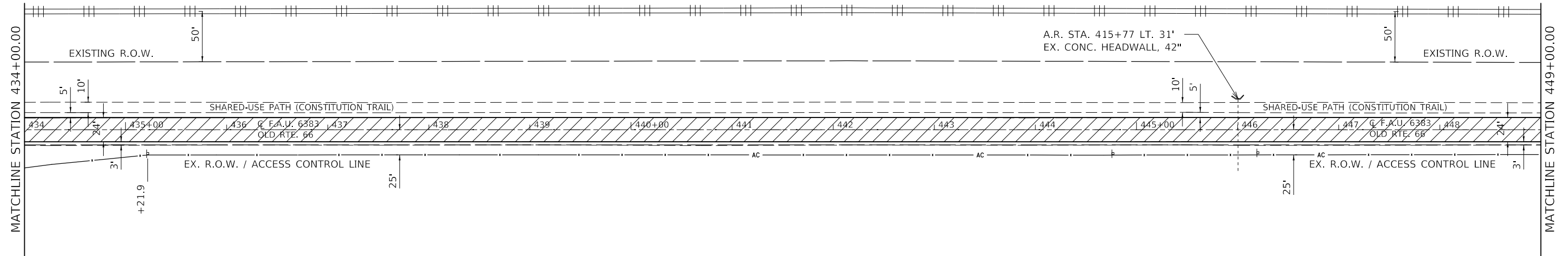
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6383	(16,17,18)RS-3	MCLEAN	44	21
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				

SEC. 25, T23N, R1E, 3RD P.M.  
MCLEAN COUNTY



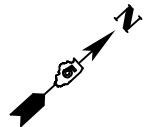
UNION PACIFIC RAILROAD (AMTRAK)

A.R. STA. 415+77 LT. 31'  
EX. CONC. HEADWALL, 42"

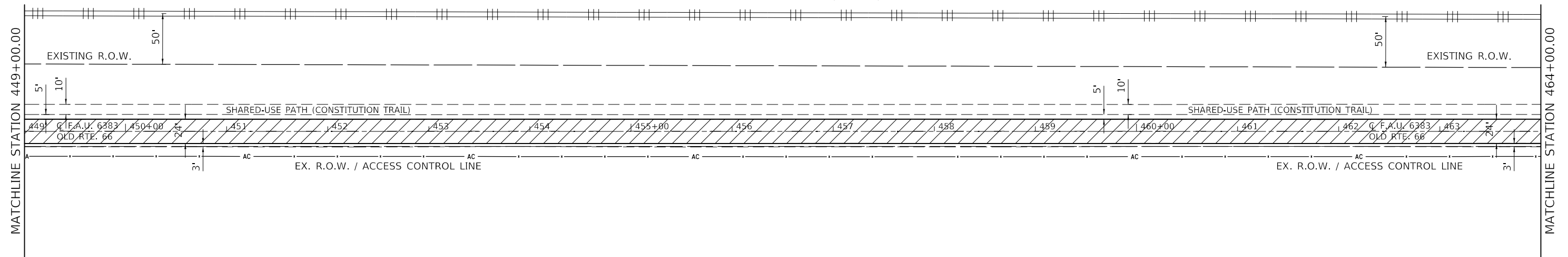


HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"

SEC. 25, T23N, R1E, 3RD P.M.  
MCLEAN COUNTY



UNION PACIFIC RAILROAD (AMTRAK)



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

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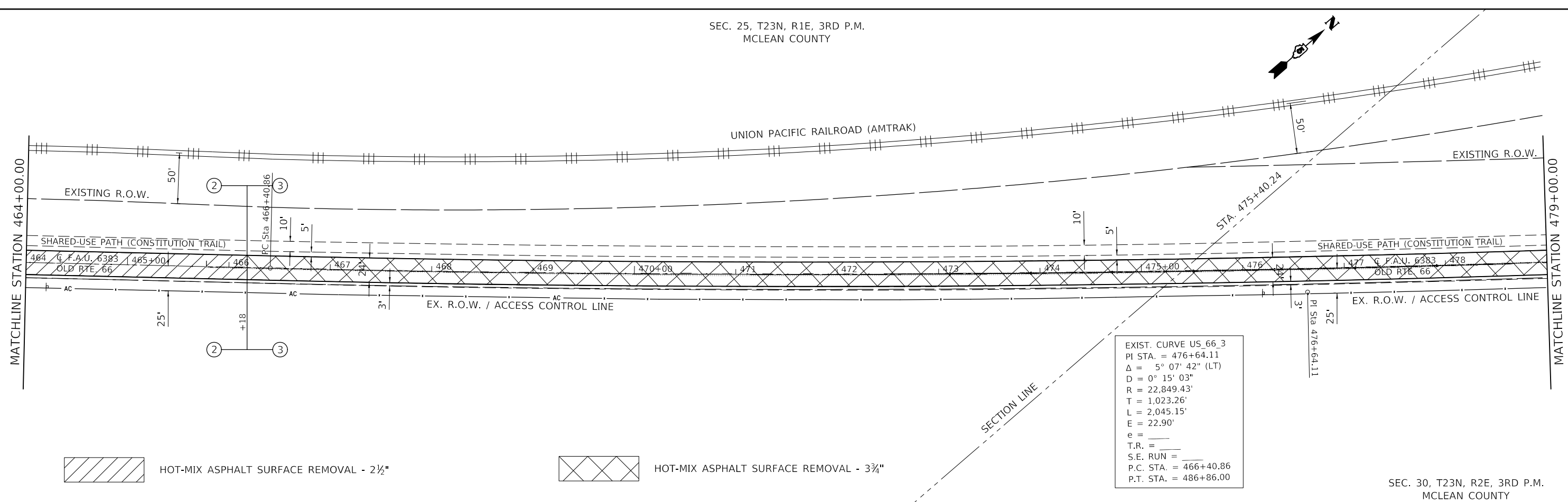
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

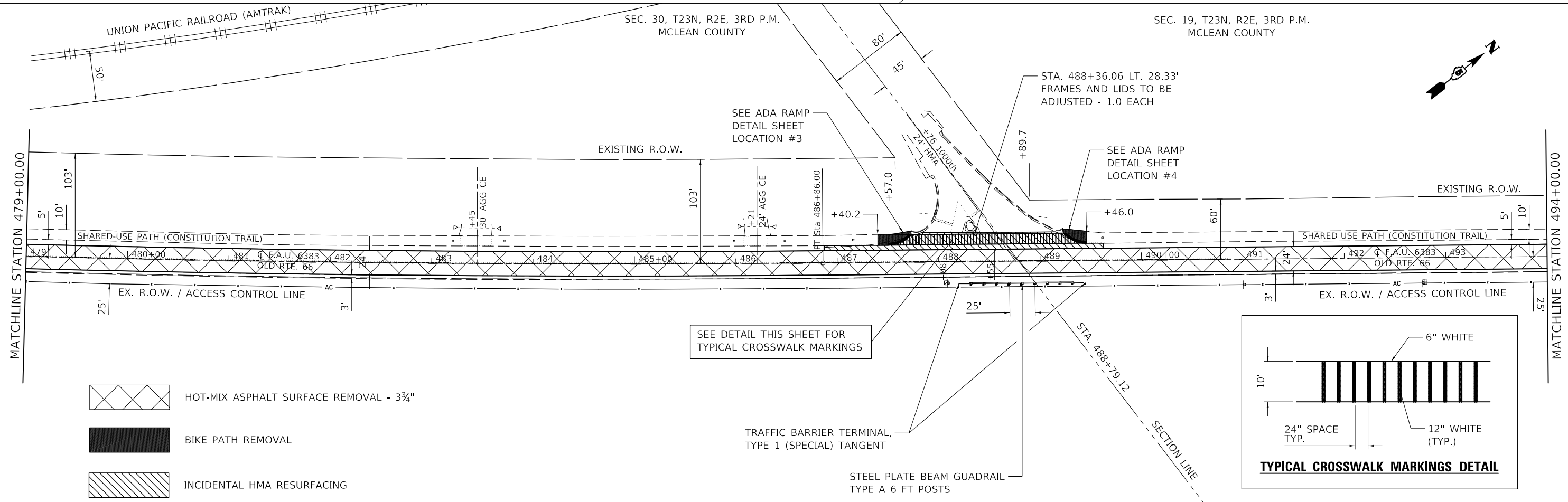
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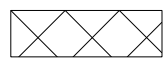


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	22
CONTRACT NO. 70E16			ILLINOIS FED. AID PROJECT	

SEC. 25, T23N, R1E, 3RD P.M.  
MCCLEAN COUNTY



SEC. 30, T23N, R2E, 3RD P.M.  
MCCLEAN COUNTY



-  HOT-MIX ASPHALT SURFACE REMOVAL - 3 3/4"
-  BIKE PATH REMOVAL
-  INCIDENTAL HMA RESURFACING

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

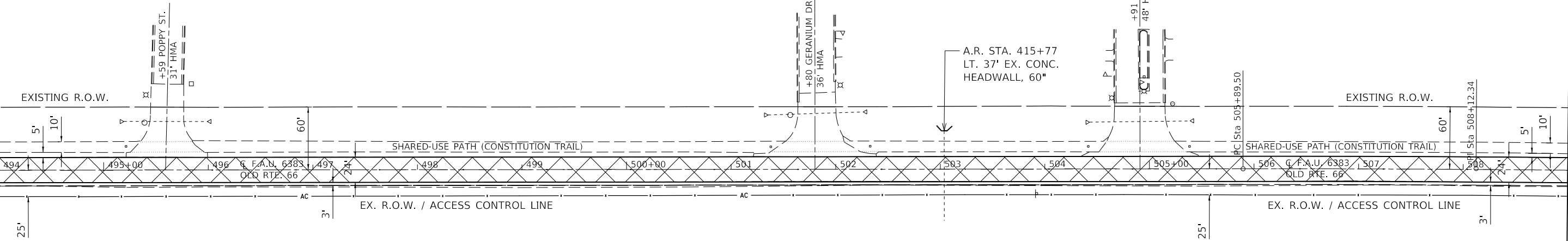
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCCLEAN	44	23
CONTRACT NO. 70E16			ILLINOIS FED. AID PROJECT	

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SEC. 19, T23N, R2E, 3RD P.M.  
MCLEAN COUNTY

MATCHLINE STATION 494+00.00

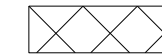
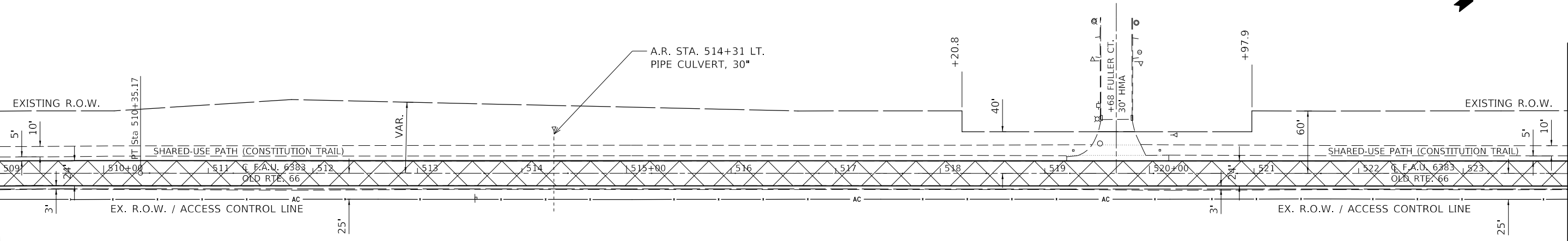


HOT-MIX ASPHALT SURFACE REMOVAL - 3¾"

EXIST. CURVE US\_66\_6  
PI STA. = 508+12.34  
 $\Delta$  = 0° 52' 30" (RT)  
D = 0° 11' 47"  
R = 29,183.03'  
T = 222.84'  
L = 445.68'  
E = 0.85'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 505+89.50  
P.T. STA. = 510+35.17

SEC. 19, T23N, R2E, 3RD P.M.  
MCLEAN COUNTY

MATCHLINE STATION 509+00.00



HOT-MIX ASPHALT SURFACE REMOVAL - 3¾"

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

USER NAME = GobleJR	DESIGNED - JRG	REVISED -
	DRAWN - JRG	REVISED -
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PLOT DATE = 3/16/2020	DATE -	REVISED -

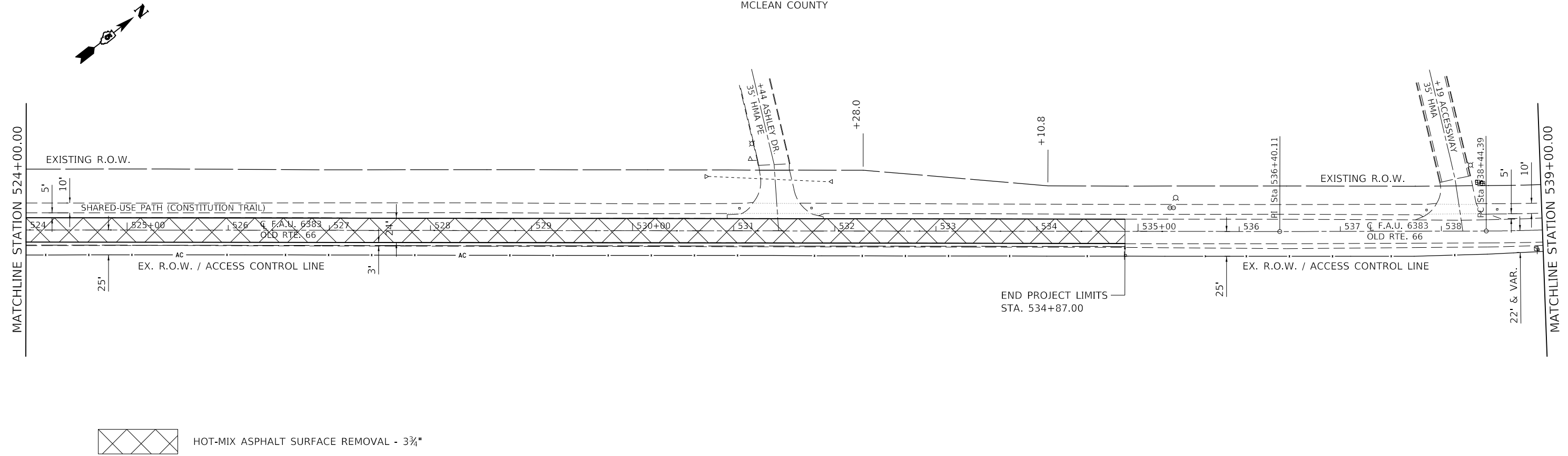
SCALE: 1"=50' SHEET 5 OF 6 SHEETS STA. 494+00 TO STA. 524+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	24
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				

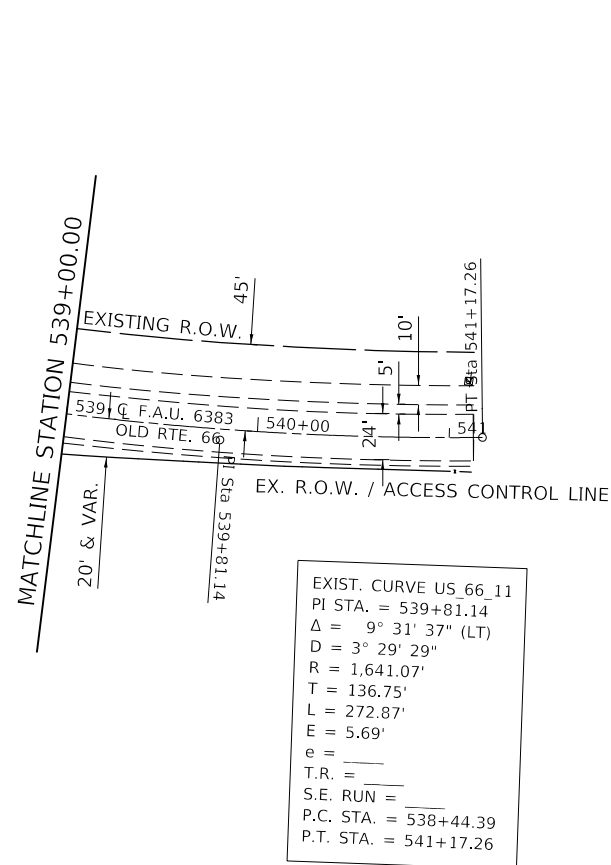
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SEC. 19, T23N, R2E, 3RD P.M.  
MCLEAN COUNTY



SEC. 19, T23N, R2E, 3RD P.M.  
MCLEAN COUNTY



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PLOT DATE = 3/16/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 1"=50' SHEET 6 OF 6 SHEETS STA. 524+00 TO STA. 541+17.26

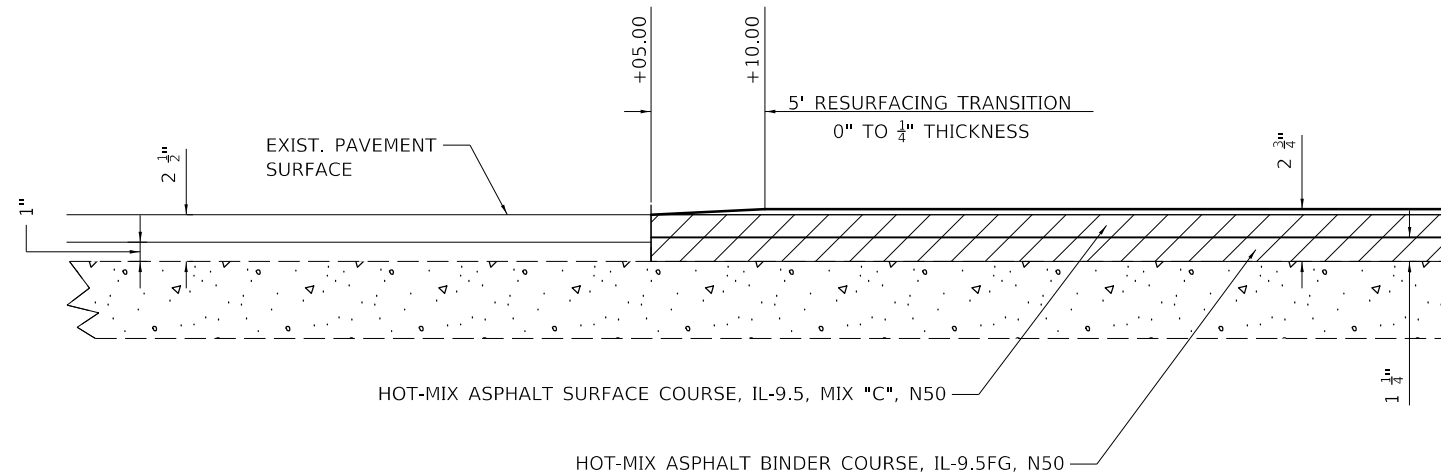
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6383	(16,17,18)RS-3	MCLEAN	44	25
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				

# PAVEMENT RESURFACING TRANSITION

AT BEGINNING PROJECT LIMITS

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR HMA SURFACE COURSE, IL-9.5, MIX "C", N50

 HMA SURFACE REMOVAL, 2 1/2"



PAVEMENT RESURFACING TRANSITIONS  
0" TO 1/4"  
STATION TO STATION  
377+05.00 377+10.00

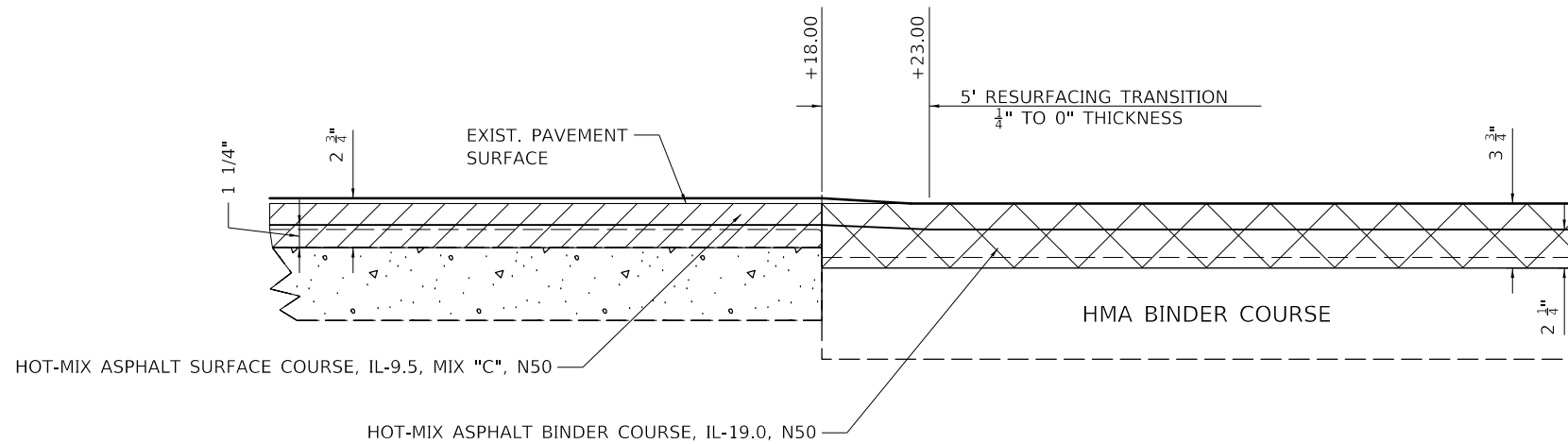
# PAVEMENT RESURFACING TRANSITION

AT STA. 466 + 18.00

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR HMA SURFACE COURSE, IL-9.5, MIX "C", N50

 HMA SURFACE REMOVAL, 2 1/2"

 HMA SURFACE REMOVAL, 3 3/4"



PAVEMENT RESURFACING TRANSITIONS  
1/4" TO 0"  
STATION TO STATION  
466+18.00 466+23.00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT RESURFACING TRANSITION  
DETAIL SHEET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	26
CONTRACT NO. 70E16				

SCALE: N-T-S SHEET 1 OF 2 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

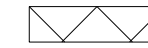
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	DRAWN - JRG	REVISED -
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PLOT DATE = 3/16/2020	DATE -	REVISED -

# PAVEMENT MILLING & RESURFACING TRANSITION

AT ENDING PROJECT LIMITS

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR HMA SURFACE REMOVAL  $3 \frac{3}{4}$ ".



HMA SURFACE REMOVAL,  $3 \frac{3}{4}$ "

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50

1  $\frac{1}{2}$ "

2  $\frac{1}{4}$ "

HMA BINDER COURSE

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50

STA. 534+87.00

MILLING TERMINI

EXIST. PAVEMENT SURFACE

EXISTING HMA SURFACE COURSE

EXISTING HMA BINDER COURSE

3"

8"

PAVEMENT MILLING TERMINI

STATION

534+87.00

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

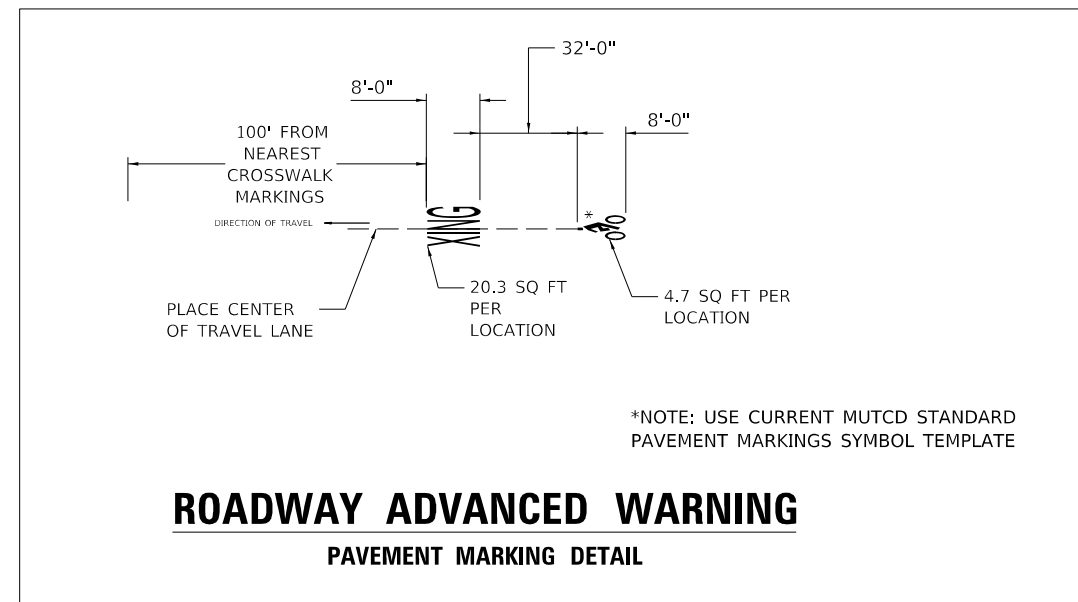
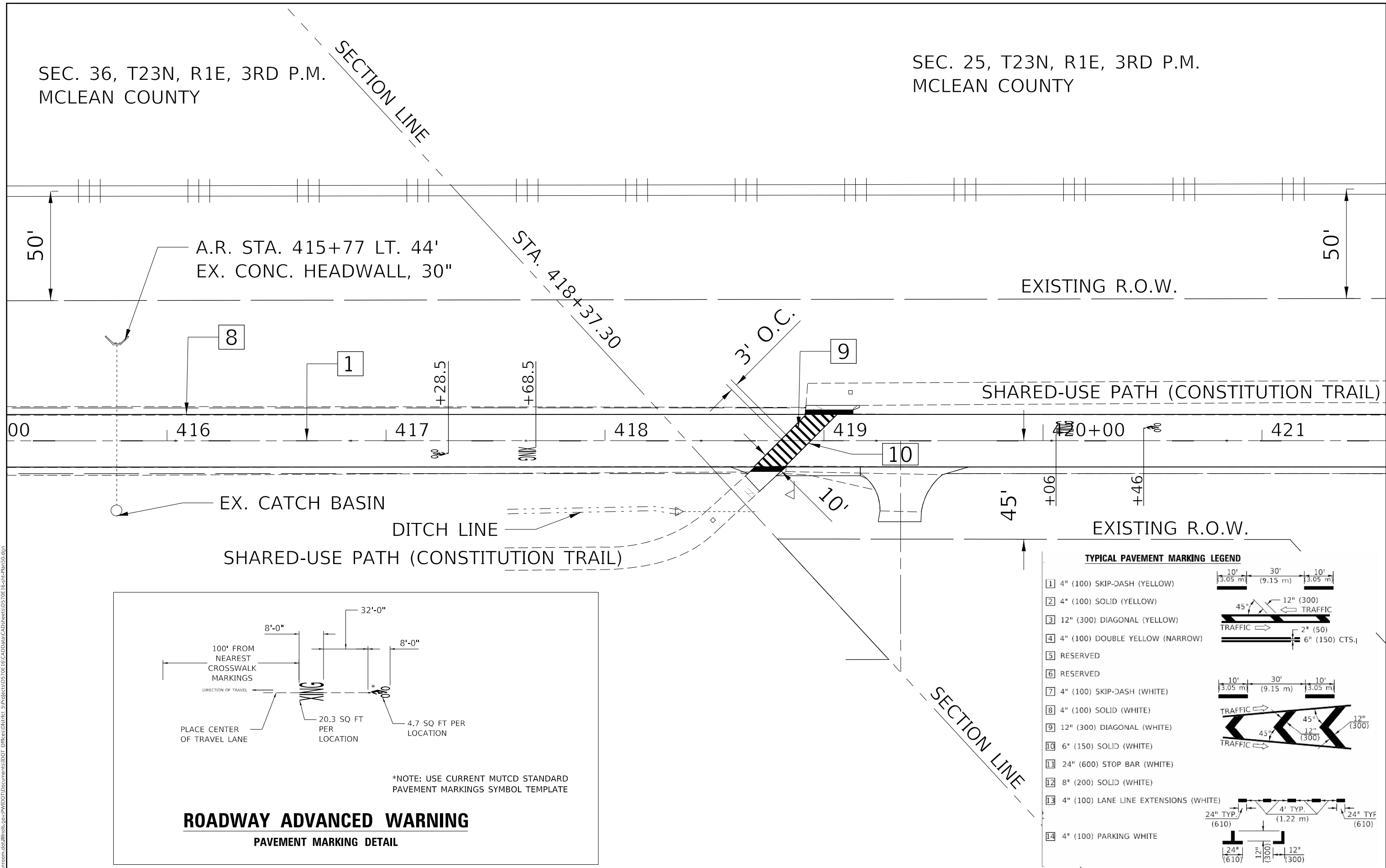
## PAVEMENT MILLING & RESURFACING TRANSITION DETAIL SHEET

SCALE: N-T-S SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	27
CONTRACT NO. 70E16				
ILLINOIS				FED. AID PROJECT

SEC. 36, T23N, R1E, 3RD P.M.  
MCLEAN COUNTY

SEC. 25, T23N, R1E, 3RD P.M.  
MCLEAN COUNTY



**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	

\*NOTE: USE CURRENT MUTCD STANDARD PAVEMENT MARKINGS SYMBOL TEMPLATE

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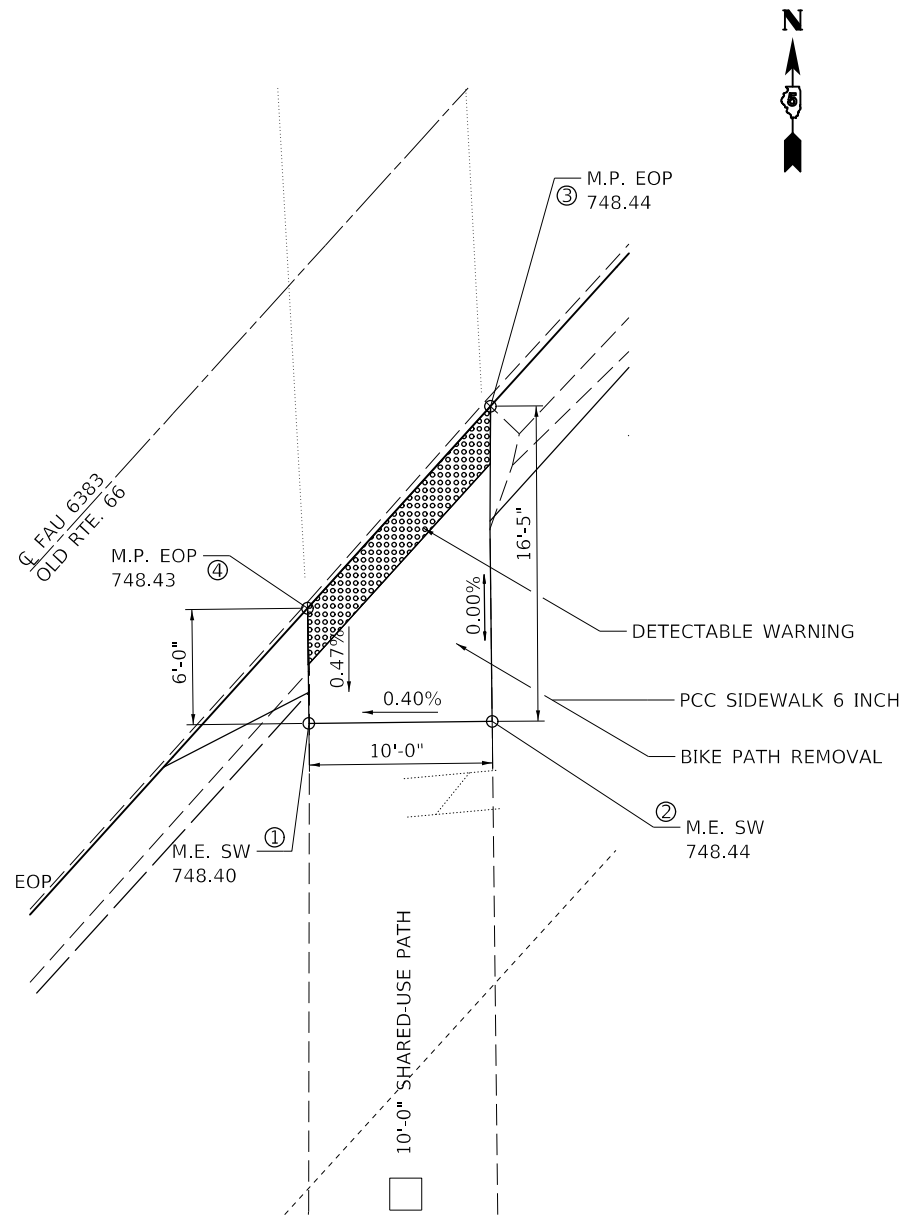
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PLOT DATE = 3/16/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

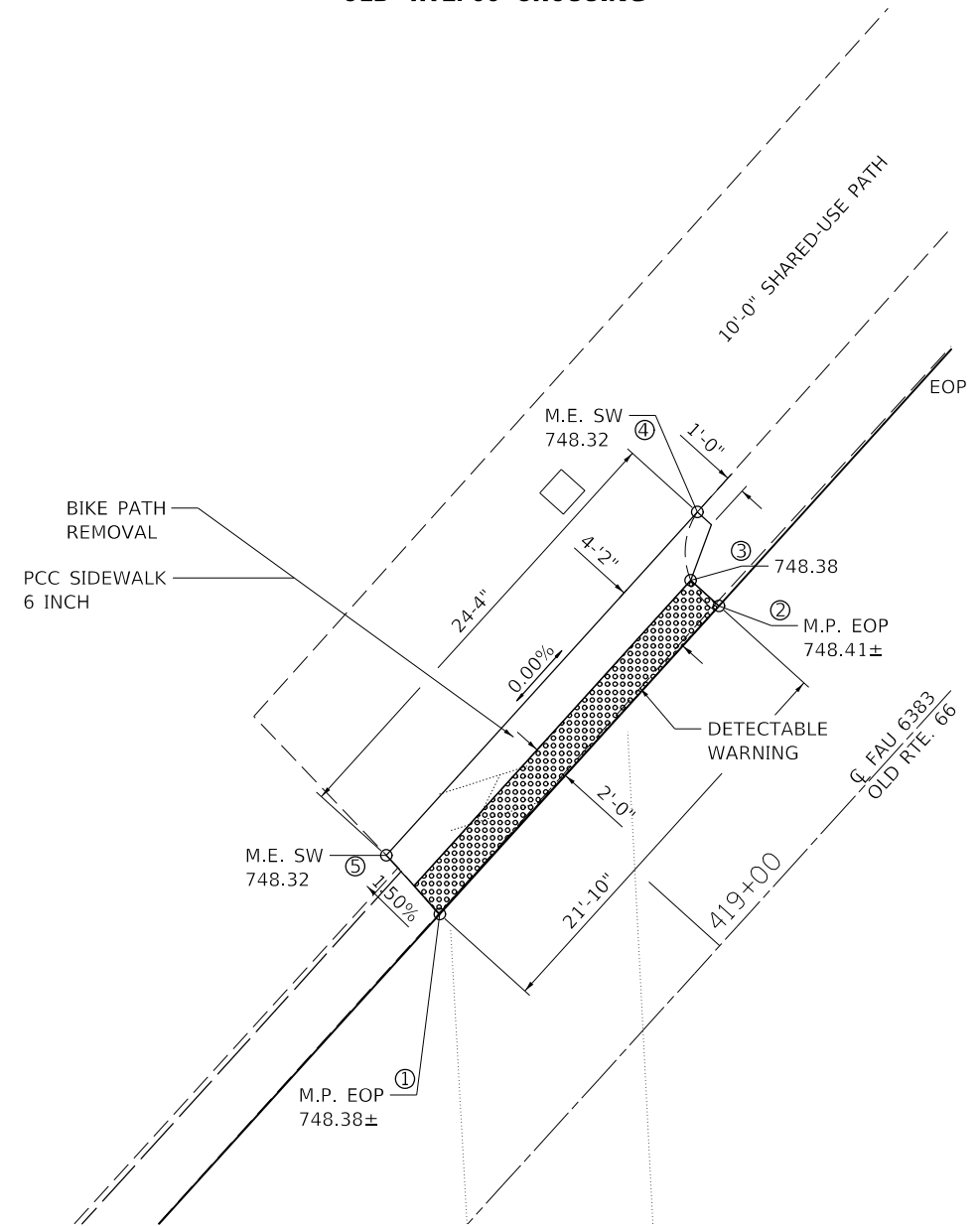
PAVEMENT MARKING DETAIL CONSTITUTION TRAIL CROSSING		
SCALE: 1" = 20'	SHEET 1 OF 1 SHEETS	STA. 415+26 TO STA. 421+57

F.A.U. RTE. 6383	SECTION (16,17,18)RS-3	COUNTY MCLEAN	TOTAL SHEETS 44	SHEET NO. 28
CONTRACT NO. 70E16			ILLINOIS FED. AID PROJECT	

**LOCATION #1**  
S. QUADRANT  
OLD RTE. 66 CROSSING



**LOCATION #2**  
N. QUADRANT  
OLD RTE. 66 CROSSING



**LOCATION #1**

LOCATION	STATION	OFFSET
1	418+64.06	RT. 16.07'
2	418+70.55	RT. 23.08'
3	418+82.66	RT. 12.00'
4	418+68.46	RT. 12.00'

**LOCATION #2**

LOCATION	STATION	OFFSET
1	418+91.38	LT. 12.00'
2	419+13.20	LT. 12.00'
3	419+13.20	LT. 14.00'
4	419+16.09	LT. 16.15'
5	418+91.78	LT. 16.15'

NOTES:

- 1) M.E. = MATCH EXISTING
- 1A) M.P. = MATCH PROPOSED
- 2) EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER CAN ADJUST GRADES AND TIE-IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMP. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR SIDEWALKS AND CURB RAMPS.
- 3) MAX. ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%), < 7.0% PREFERRED.
- 4) MAX. ALLOWABLE RUNNING SLOPE OF TURNING SPACE = 1:50 (2.0%), < 1.5% PREFERRED.
- 5) MIN. ALLOWABLE WIDTH OF RAMP = 10'-0" FOR SHARED-USE PATH
- 6) MAX. ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:50 (2.0%), < 1.5% PREFERRED.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

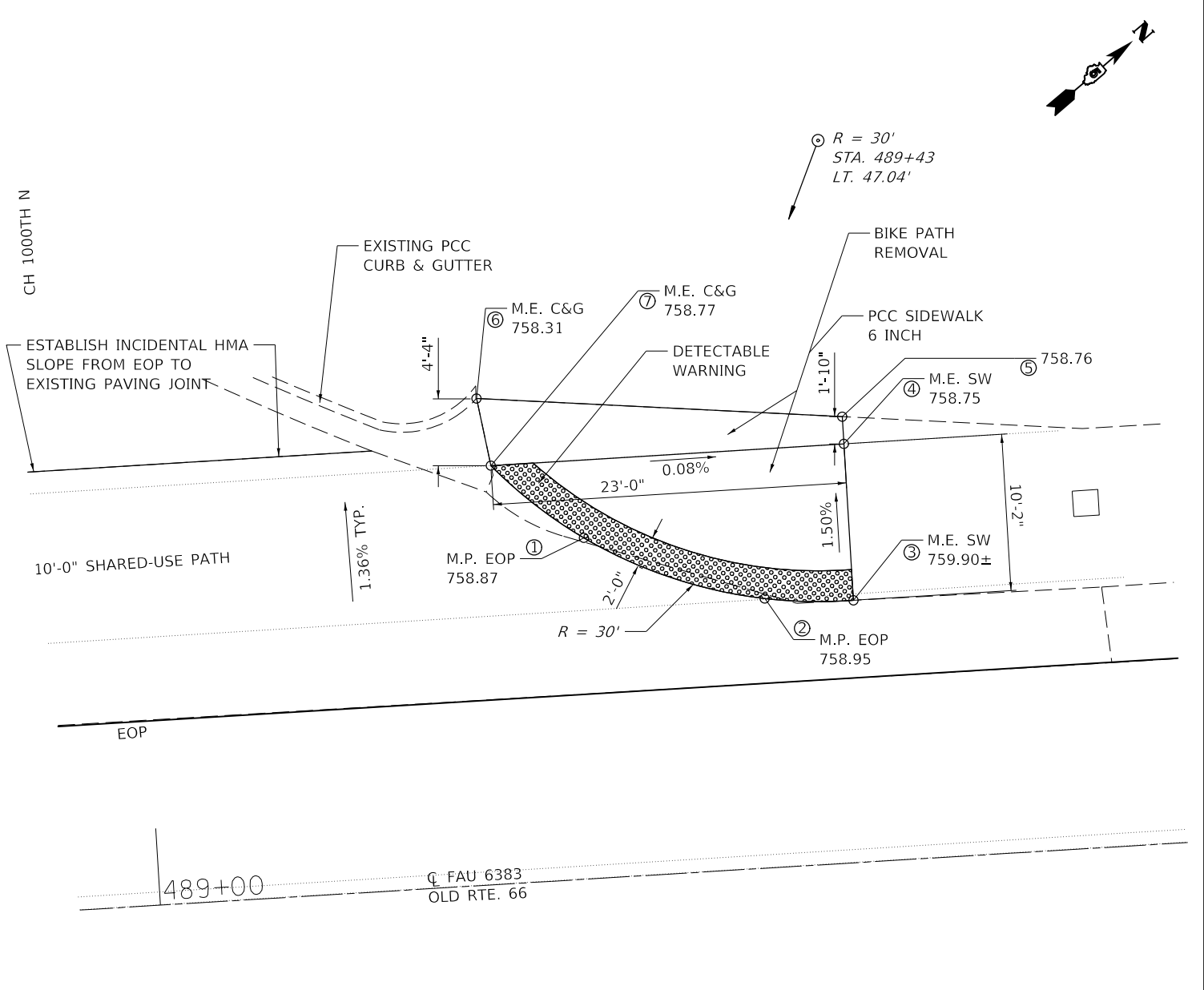
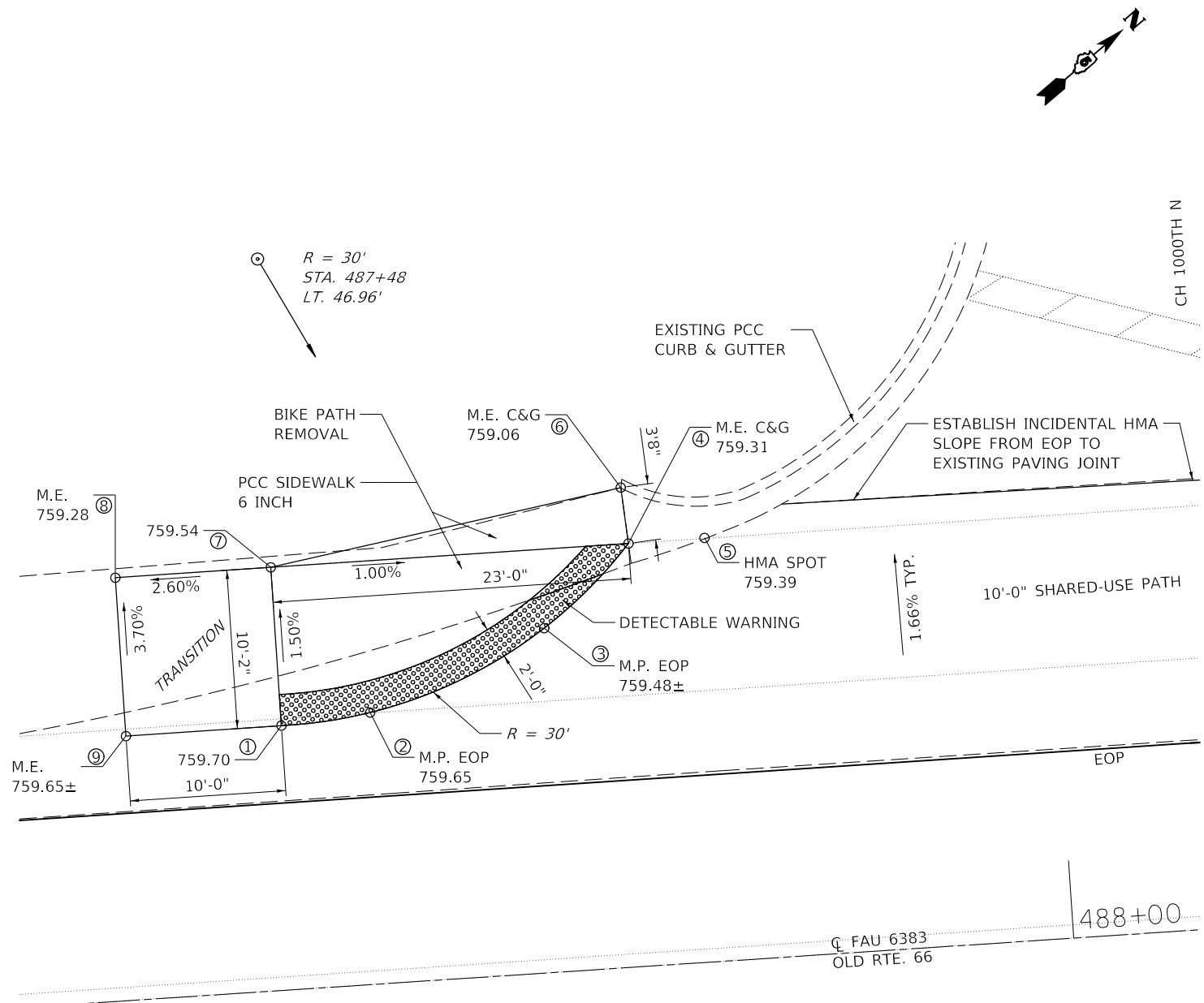
SHARED-USE ADA RAMP DETAIL

SCALE: 1" = 5' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	29
			CONTRACT NO. 70E16	
		ILLINOIS FED. AID PROJECT		

**LOCATION #3**  
S.W. QUADRANT  
OLD RTE. 66 & CH 1000TH N

**LOCATION #4**  
N.W. QUADRANT  
OLD RTE. 66 & CH 1000TH N



**LOCATION #3**

LOCATION	STATION	OFFSET
1	487+50.17	LT. 16.96'
2	487+55.92	LT. 17.43'
3	487+67.42	LT. 22.10'
4	487+73.17	LT. 27.16'
5	487+78.06	LT. 27.20'
6	487+72.91	LT. 30.77'
7	487+50.17	LT. 27.16'
8	487+40.17	LT. 27.15'
9	487+40.17	LT. 16.96'

**LOCATION #4**

LOCATION	STATION	OFFSET
1	489+28.95	LT. 22.17'
2	489+40.46	LT. 17.51'
3	489+46.20	LT. 17.04'
4	489+46.20	LT. 27.23'
5	489+46.20	LT. 29.02'
6	489+22.54	LT. 31.64'
7	489+23.20	LT. 27.23'

NOTES:  
 1) M.E. = MATCH EXISTING  
 1A) M.P. = MATCH PROPOSED  
 2) EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER CAN ADJUST GRADES AND TIE-IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMP. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR SIDEWALKS AND CURB RAMPS.  
 3) MAX. ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%), < 7.0% PREFERRED.  
 4) MAX. ALLOWABLE RUNNING SLOPE OF TURNING SPACE = 1:50 (2.0%), < 1.5% PREFERRED.  
 5) MIN. ALLOWABLE WIDTH OF RAMP = 10'-0" FOR SHARED-USE PATH  
 6) MAX. ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:50 (2.0%), < 1.5% PREFERRED.

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PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 5'		SHEET 2 OF 2 SHEETS	STA. _____ TO STA. _____
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**SHARED-USE ADA RAMP DETAIL**

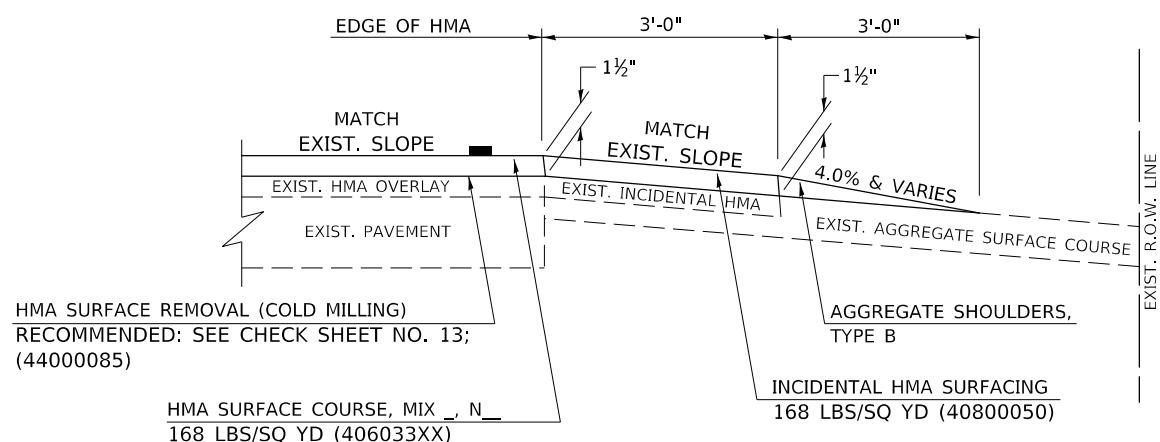
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CONTRACT NO. 70E16			ILLINOIS FED. AID PROJECT	

# PROJECTS WITHOUT RECONSTRUCTION

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

## S.M.A.R.T. IMPROVEMENTS

(POLICY RESURFACING; BDE 53-4.03; 1 1/2")

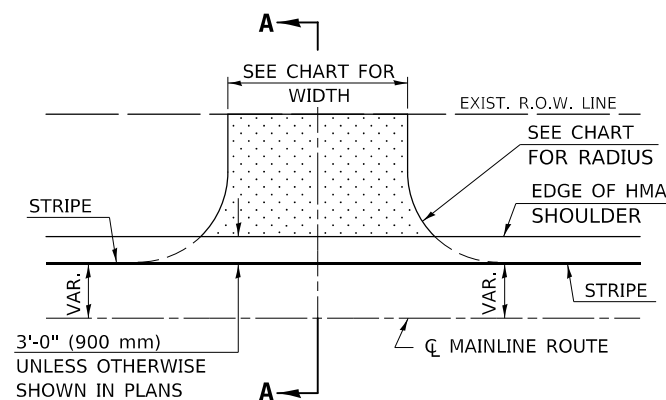


# PROJECTS WITH RECONSTRUCTION

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

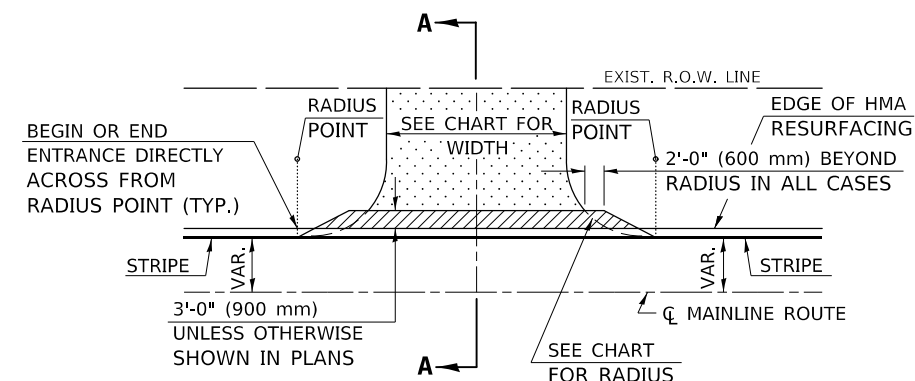
## ADJACENT TO PROPOSED HMA SHOULDERS

(AGGREGATE OR EARTH ENTRANCE)



TYPICAL APPLICATION

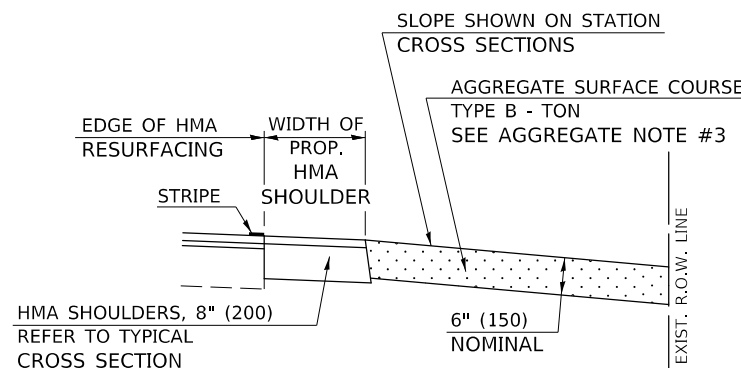
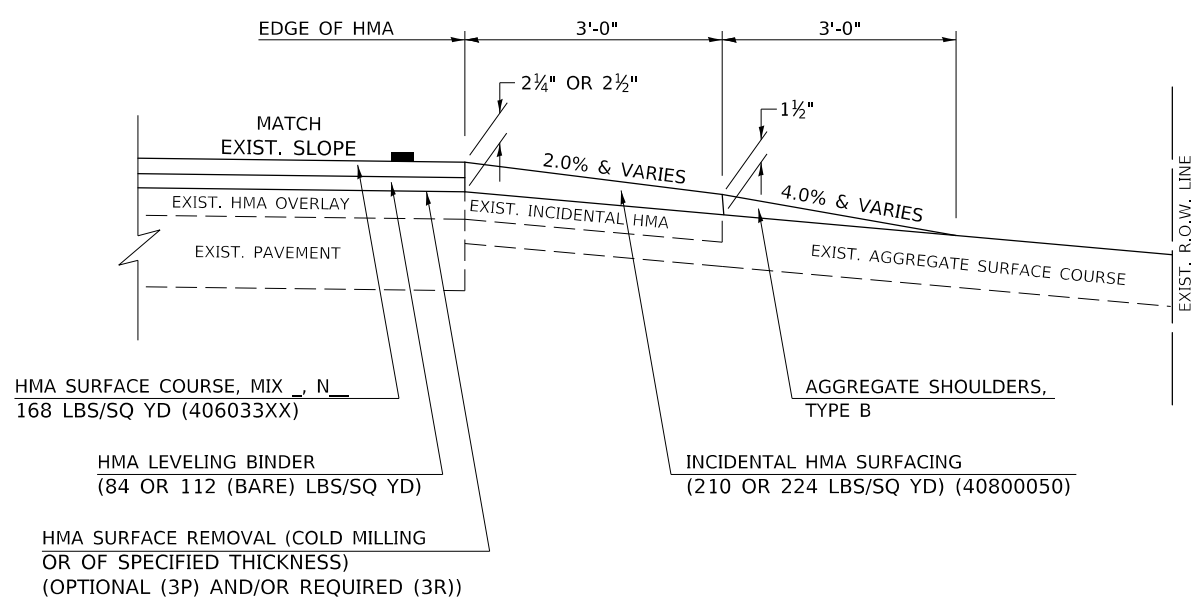
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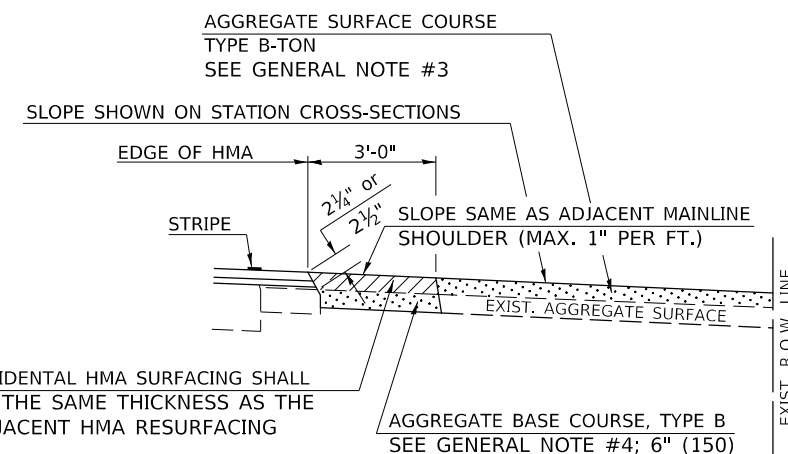
TYPICAL APPLICATION

## "3P" OR "3R" IMPROVEMENTS

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



SECTION A-A



SECTION A-A

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

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PLOT DATE = 3/16/2020	CHECKED -	REVISED - 04/08 KJT
	DATE -	REVISED - 3/16/17 SWN

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FIELD ENTRANCES (NONCOMMERCIAL RURAL)

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 4080050A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	31
CONTRACT NO. 70E16			ILLINOIS FED. AID PROJECT	

**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 ALONG WITH DISTRICT PROJECT IMPLEMENTATION MEMORANDUM 104/01 DISCUSS THIS PROCEDURE.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)																
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with CONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM									
	NONCOMMERCIAL			FIELD W/FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL			
	PRIVATE & FIELD			FIELD W/FARM IMPLEMENTS			COMMERCIAL			PRIVATE & FIELD			COMMERCIAL			
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.		
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY			1 LANE, 1 WAY							
						14	16	24								
						2 LANE, 2 WAY			2 LANE, 2 WAY							
						24	30	35	resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them							
RADIUS (FT)	15	25	40	30		20	30	50								
SHOULDER WIDTH (FT)	2	2		2		1	3									
SHOULDER SLOPE (%)	2	4	6	4		2	4	6								
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10								
SIDE SLOPE (FT)	1:4	1:6	1:10	1:4	1:6	1:4	1:6	1:10								
<b>SURFACE TYPE</b>																
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder							
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable, use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02							
PCC DRIVEWAY PAVEMENT (INCH)		6												6 or 8		

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

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	DRAWN -	REVISED - 09/07 KAG
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED - 04/08 KJT
PLOT DATE = 3/16/2020	DATE -	REVISED - 3/16/17 SWN

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FIELD ENTRANCES (NONCOMMERCIAL RURAL)**

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

**DISTRICT 5 DETAIL NO. 4080050A**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	32
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				



# PROJECTS WITHOUT RECONSTRUCTION

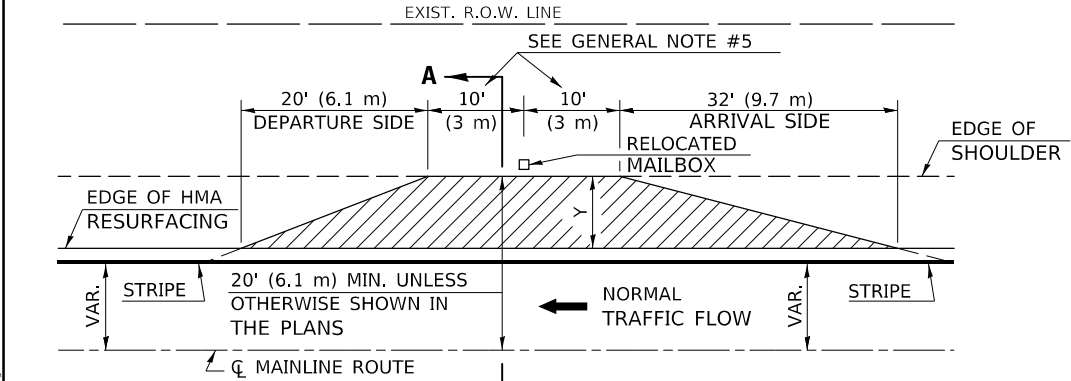
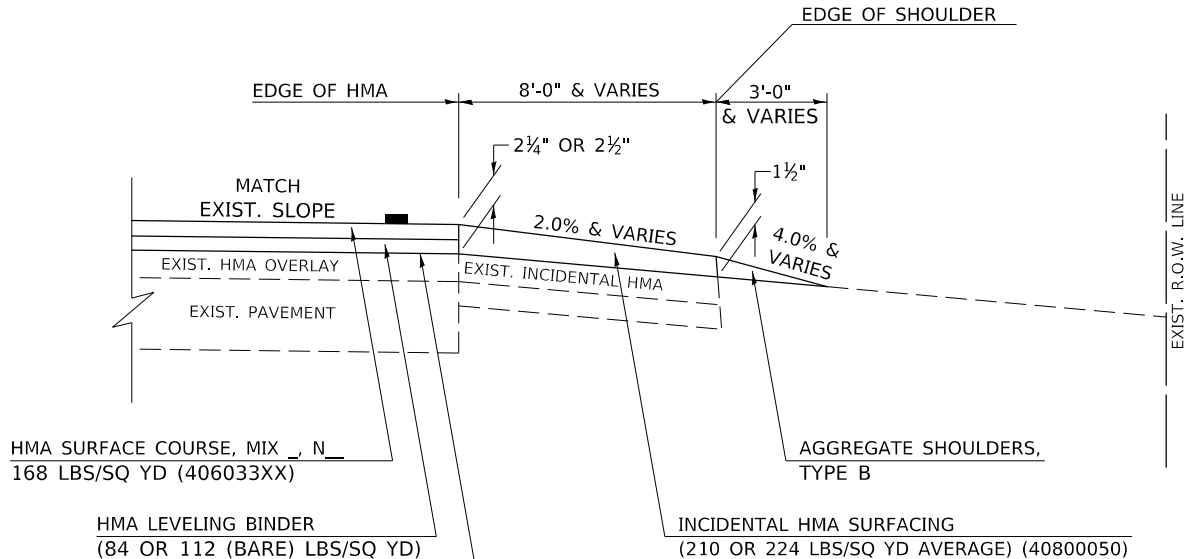
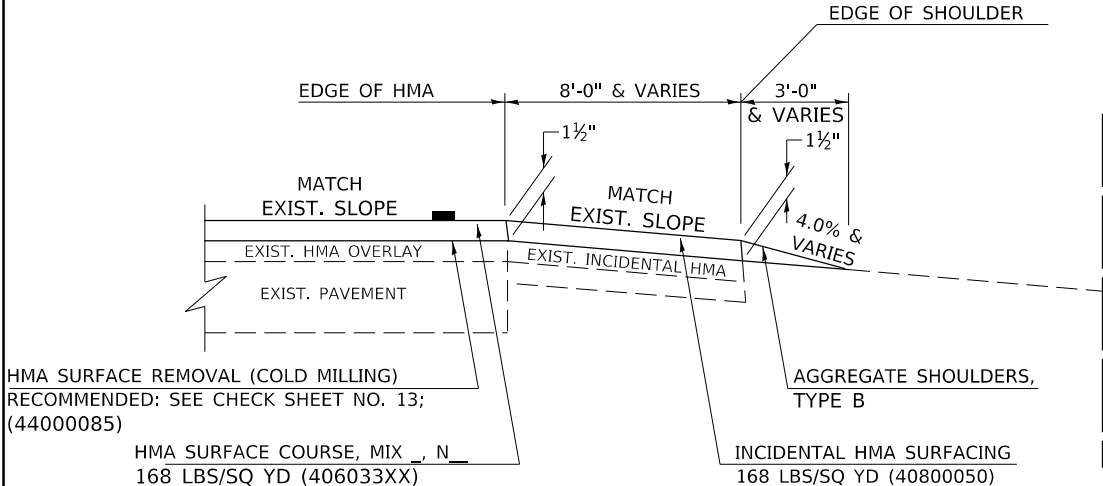
## S.M.A.R.T. IMPROVEMENTS

(POLICY RESURFACING; BDE 53-4.03; 1 1/2")

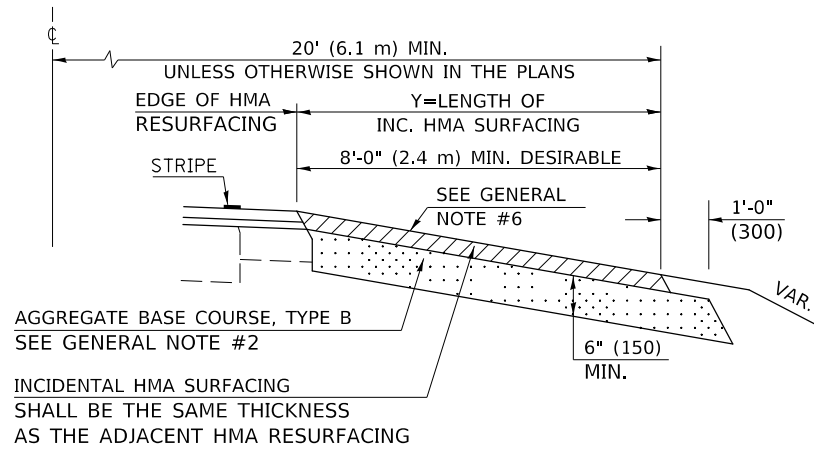
## "3P" OR "3R" IMPROVEMENTS

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

### GENERAL NOTES



**TYPICAL APPLICATION**

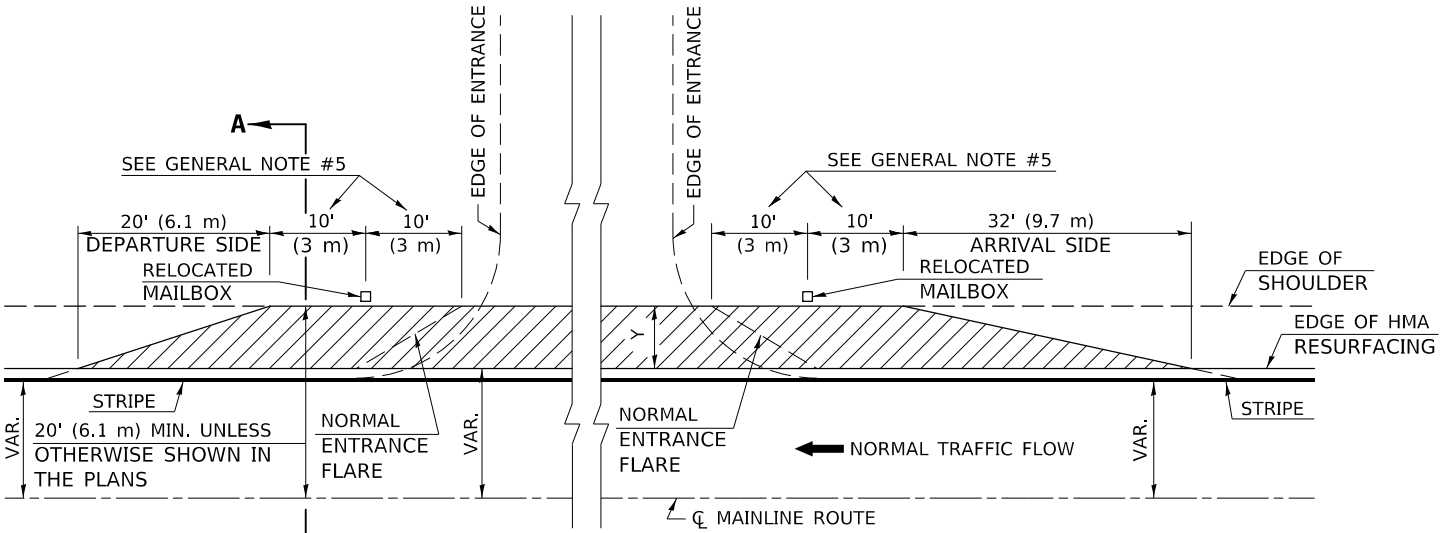


**SECTION A-A**

# 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)



**TYPICAL MAILBOX TURNOUT PLACEMENT ADJACENT TO ENTRANCE**

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
5. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
6. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER. MINIMUM 4% (1/2") DESIRABLE; MAXIMUM 8% (1 1/2")
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.

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

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	DRAWN -	REVISID - 09/07 KAG
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISID -
PLOT DATE = 3/16/2020	DATE -	REVISID -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**MAILBOX TURNOUT (RURAL)**

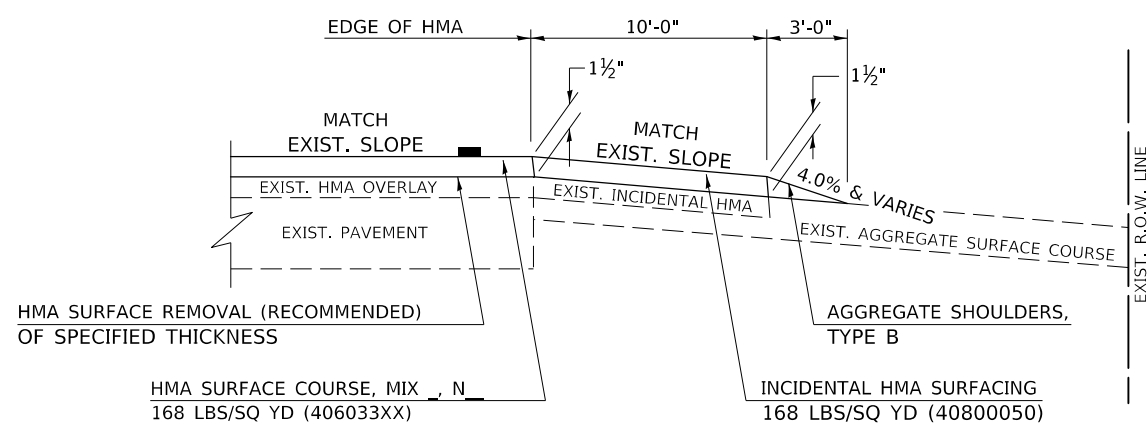
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

**DISTRICT 5 DETAIL NO. 4080050B**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	Mclean	44	33
CONTRACT NO. 70E16				
ILLINOIS		FED. AID PROJECT		

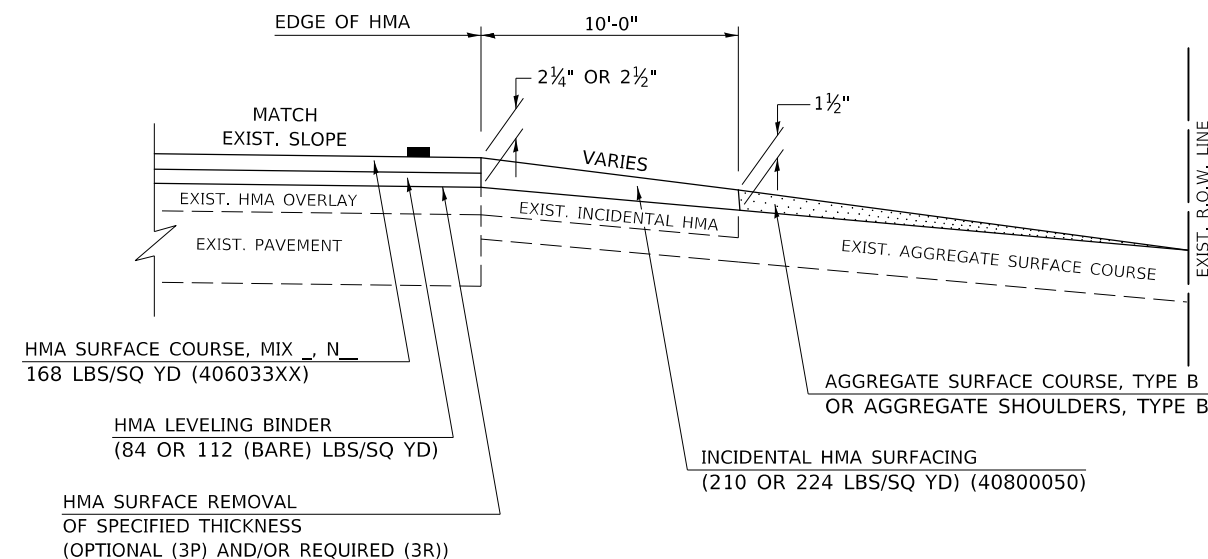
# PROJECTS WITHOUT RECONSTRUCTION

### S.M.A.R.T. IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.03; 1½")

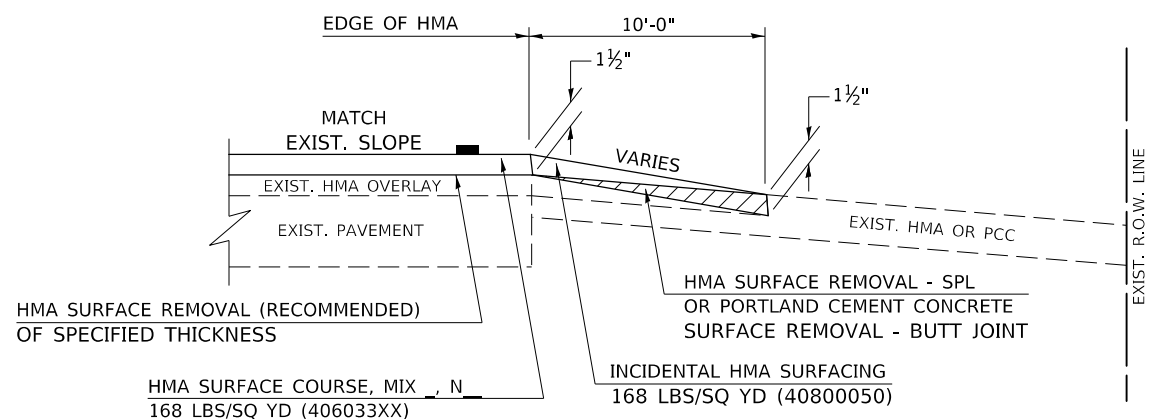


**EXISTING AGGREGATE ENTRANCE**

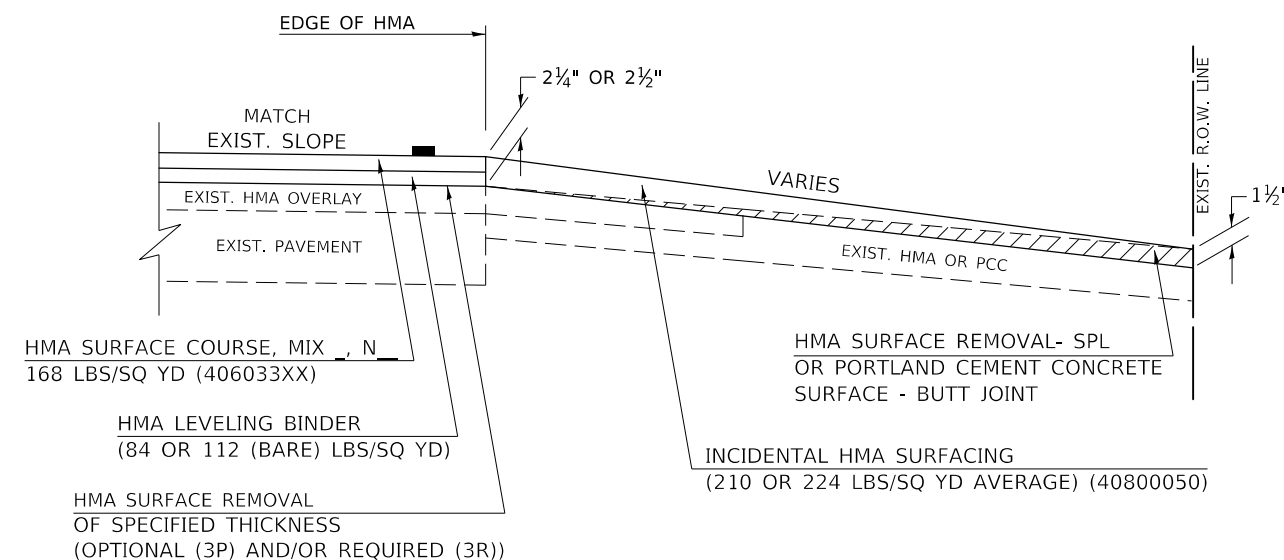
### "3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



**EXISTING AGGREGATE ENTRANCE**



**EXISTING HMA OR PCC ENTRANCE**



**EXISTING HMA OR PCC ENTRANCE**

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

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USER NAME = GobleJR	DESIGNED -	REvised -
	DRAWN -	REvised -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REvised -
PLOT DATE = 3/16/2020	DATE -	REvised -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRIVATE COMMERCIAL ENTRANCES  
(NONCOMMERCIAL AND COMMERCIAL RURAL)

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

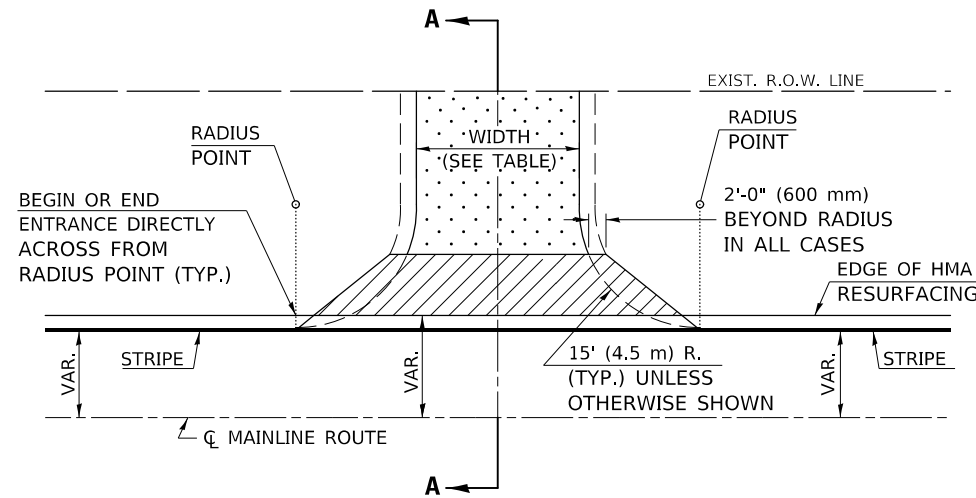
**DISTRICT 5 DETAIL NO. 40800050C**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	34
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				

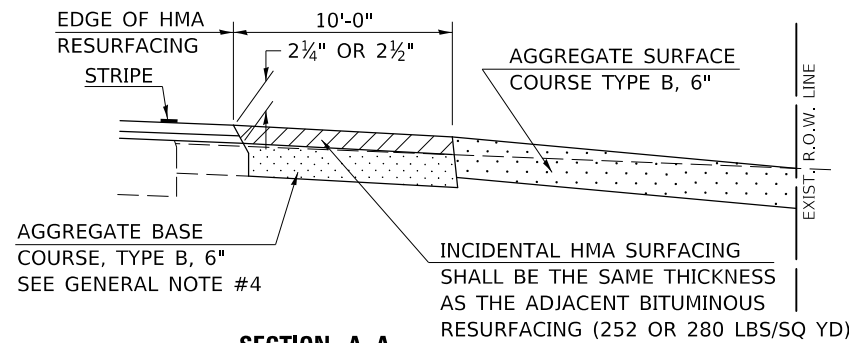
# PROJECTS WITH RECONSTRUCTION

## AGGREGATE ENTRANCE

### (3R IMPROVEMENTS)

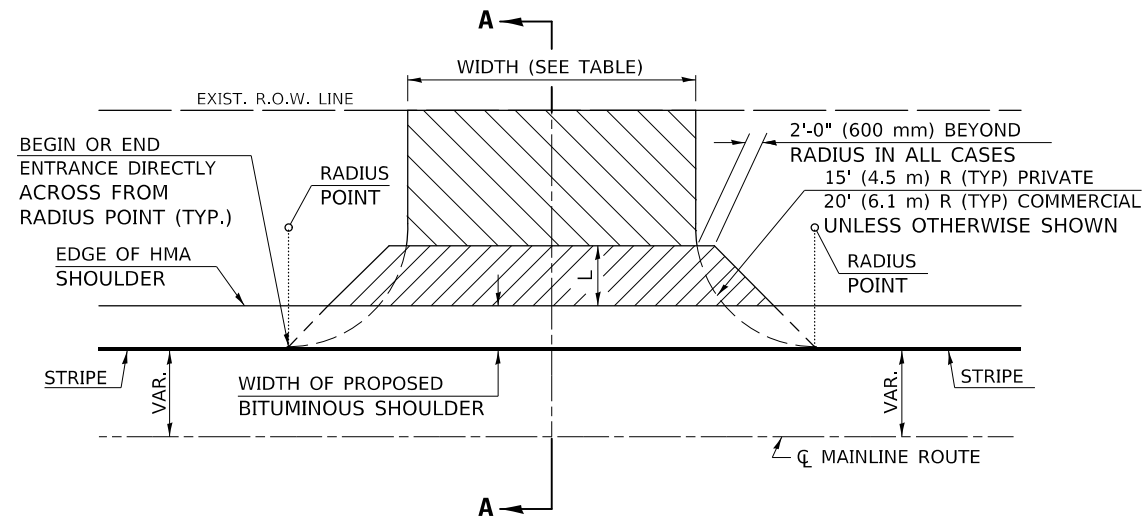


TYPICAL APPLICATION

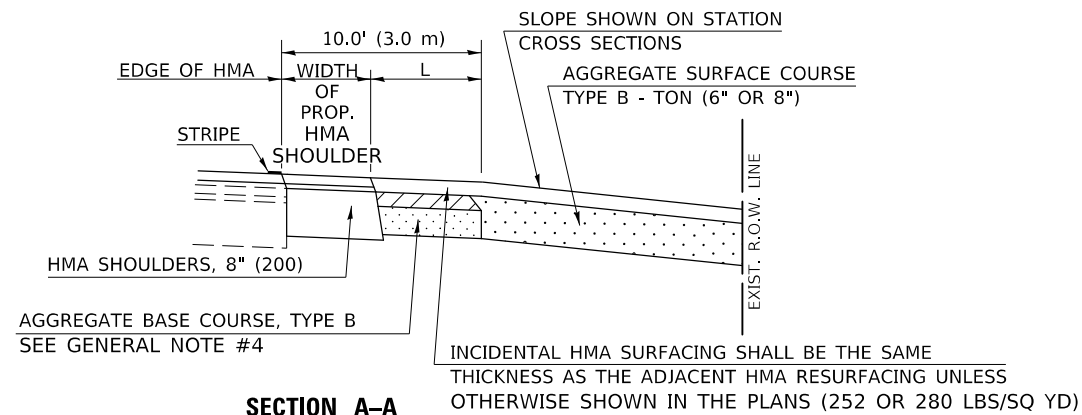


SECTION A-A

## HMA OR PCC ENTRANCE



TYPICAL APPLICATION



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. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
7. 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".

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 ALONG WITH DISTRICT PROJECT IMPLEMENTATION MEMO 104/01 DISCUSS THIS PROCEDURE.

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

### RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)

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

### DISTRICT 5 DETAIL NO. 40800050C

USER NAME = GobleJR	DESIGNED -	REVISED - 09/07 KAG
	DRAWN -	REVISED - 05/08 KJT
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED - 04/10 KJT
PLOT DATE = 3/16/2020	DATE -	REVISED - 3/6/17 SWN

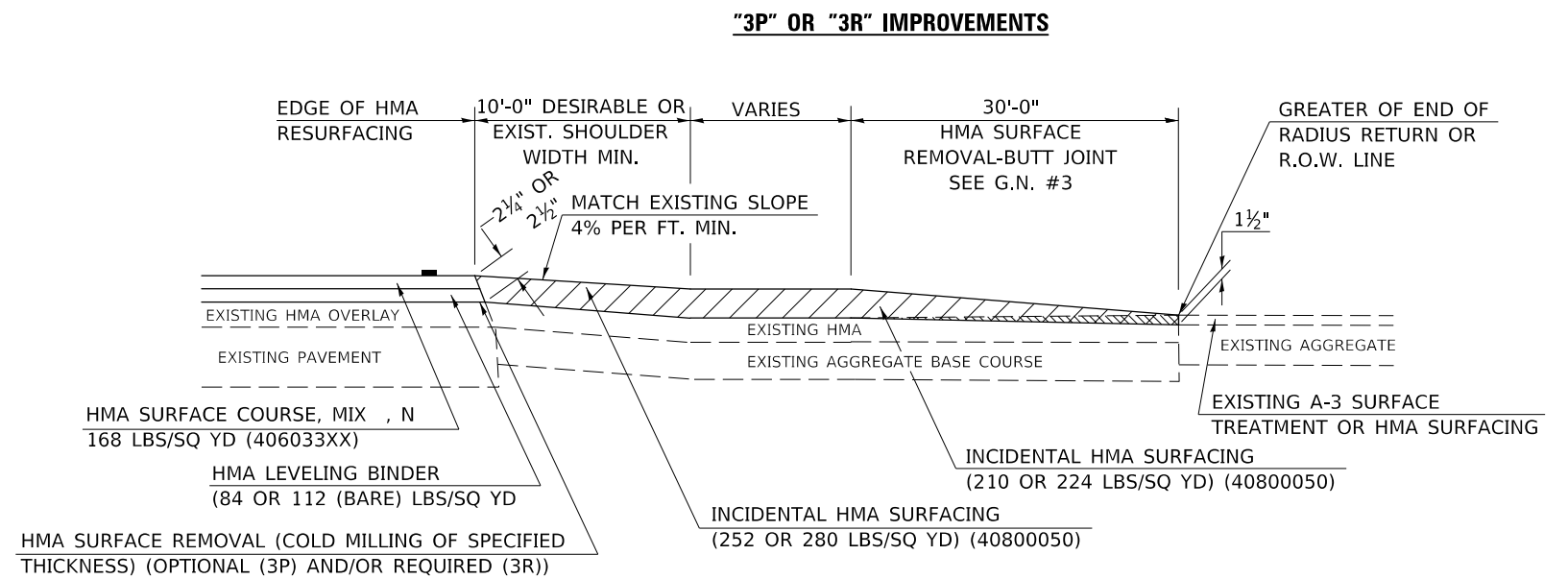
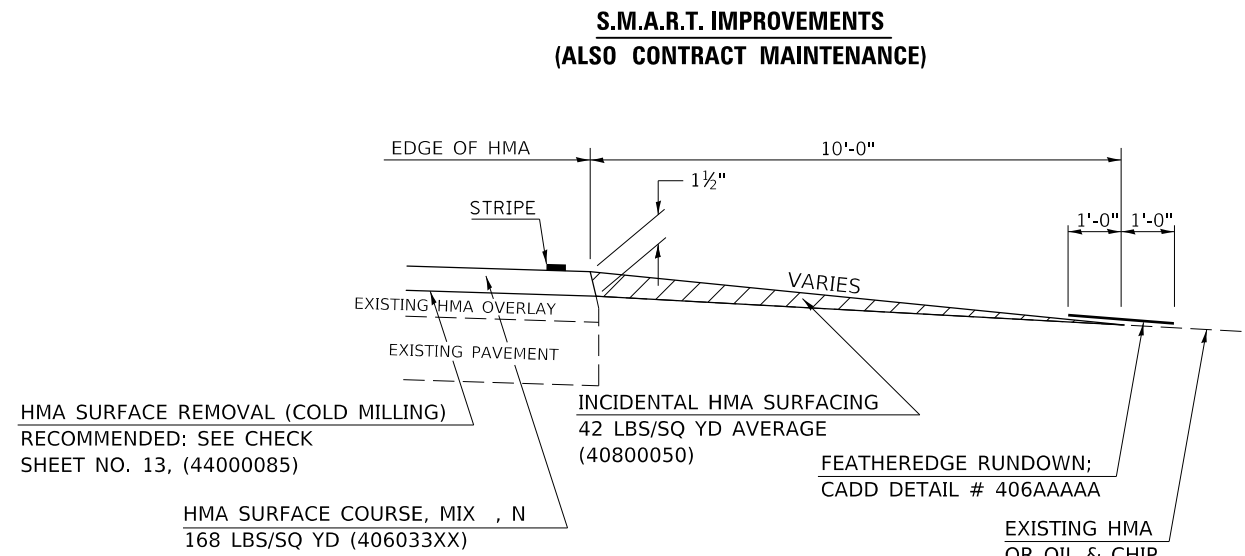
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRIVATE COMMERCIAL ENTRANCES  
(NONCOMMERCIAL AND COMMERCIAL RURAL)

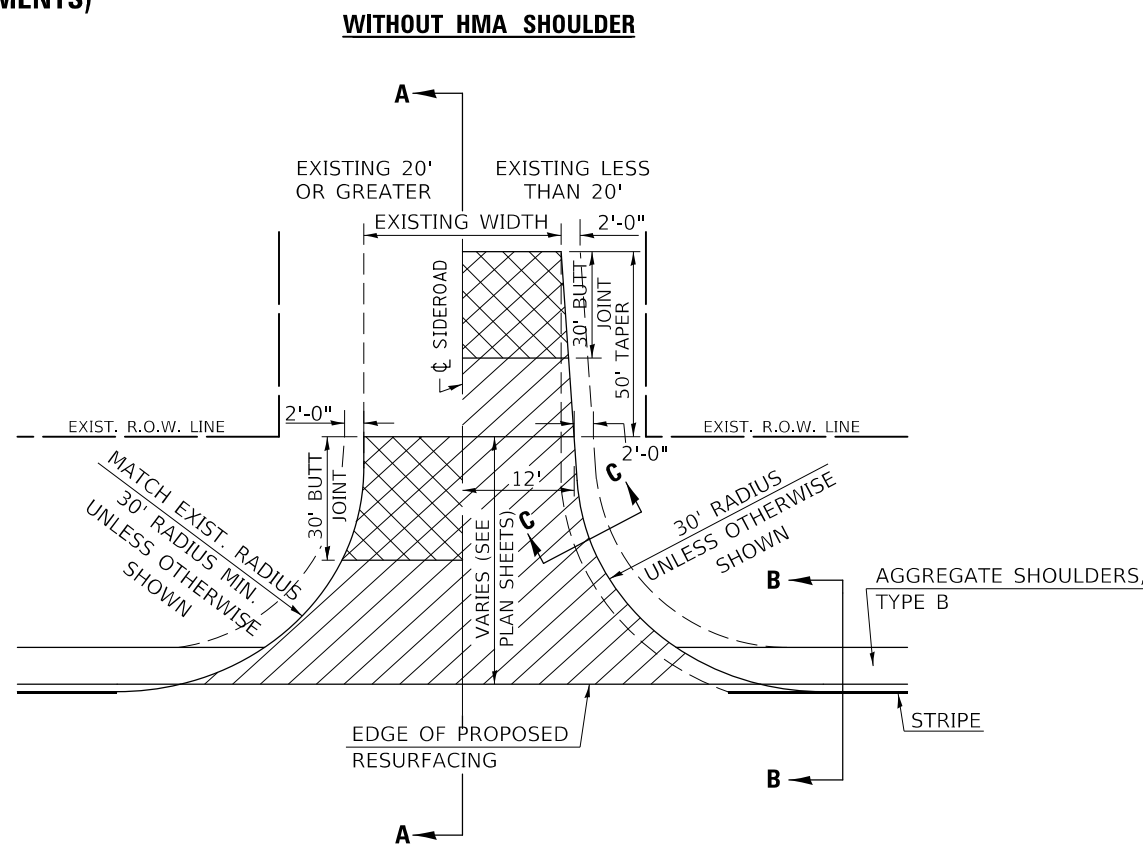
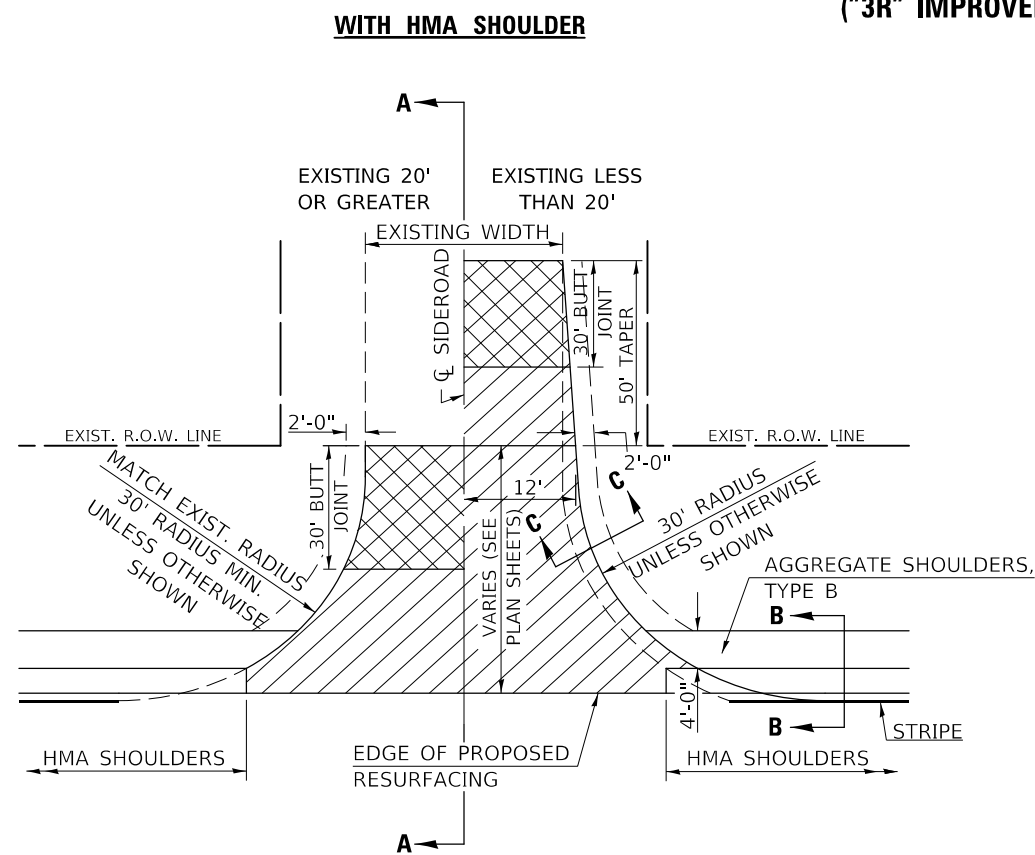
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	35
CONTRACT NO. 70E16				
ILLINOIS		FED. AID PROJECT		

# PROJECTS WITHOUT RECONSTRUCTION



# PROJECTS WITH RECONSTRUCTION



## 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.

### DISTRICT 5 DETAIL NO. 408000AA

USER NAME = GobleJR	DESIGNED -	REVISED - 12/06 TJB
	DRAWN -	REVISED - 09/07 KAG
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED - 12/09 KJT
PLOT DATE = 3/16/2020	DATE -	REVISED -

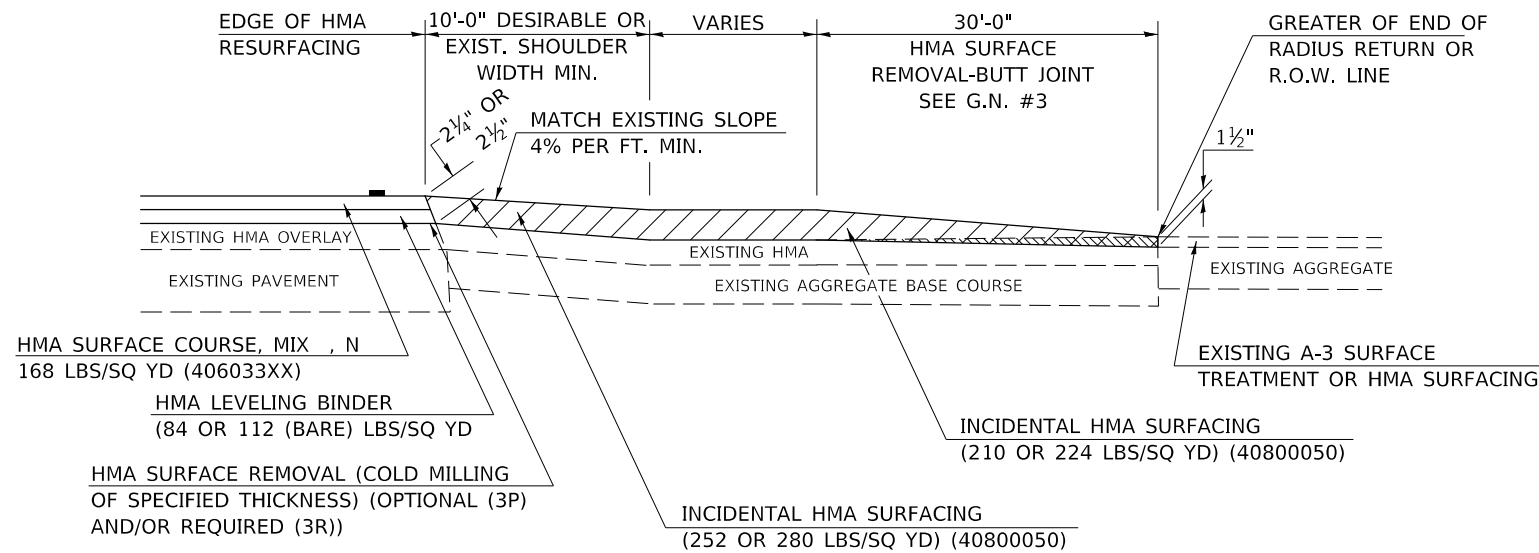
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEROAD & SIDESTREETS (RURAL)**

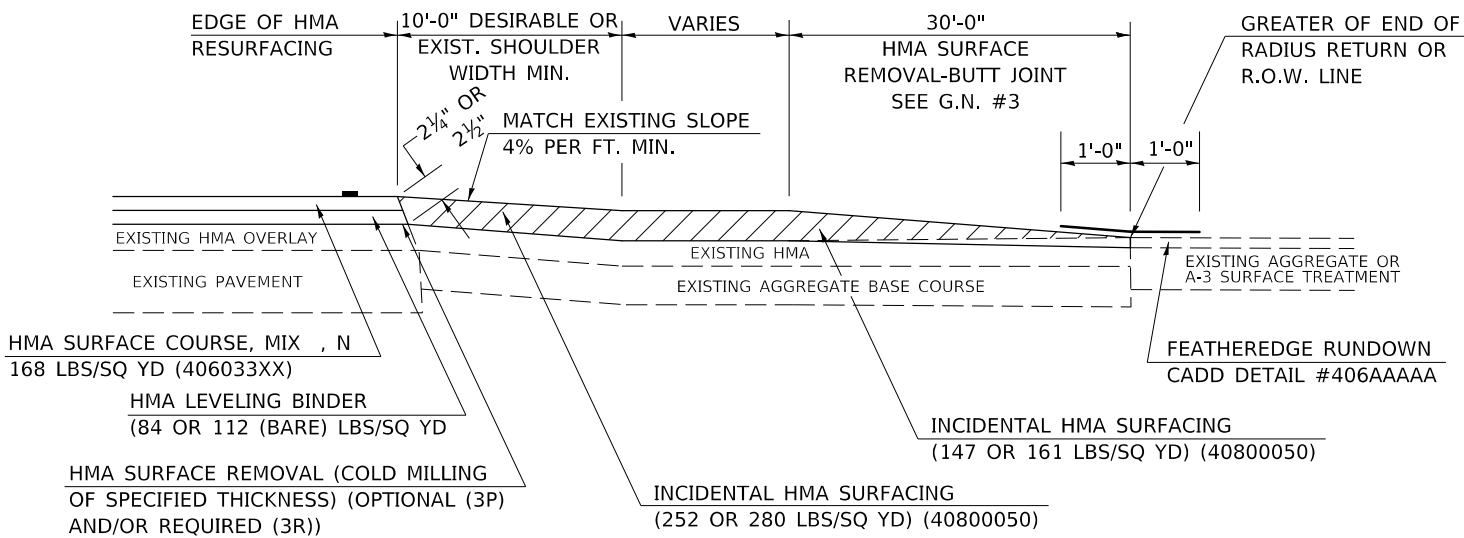
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	36
CONTRACT NO. 70E16			ILLINOIS FED. AID PROJECT	

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

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

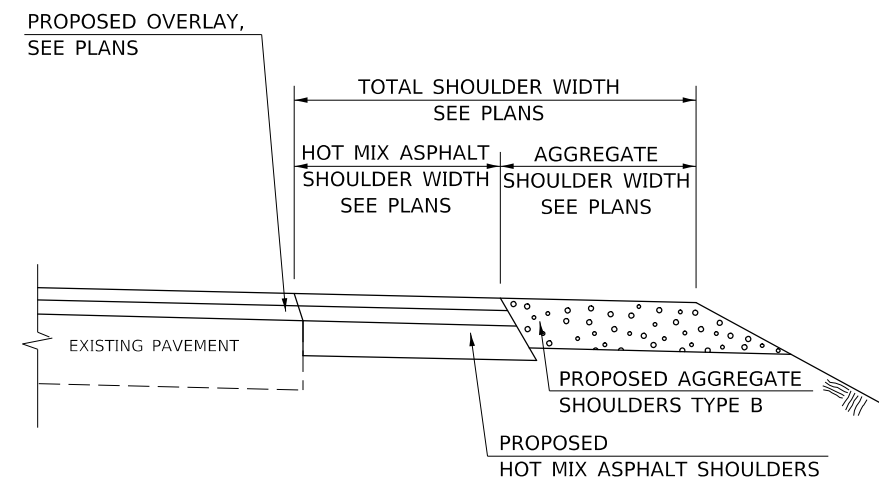


**SECTION A-A  
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (< 400 ADT)**

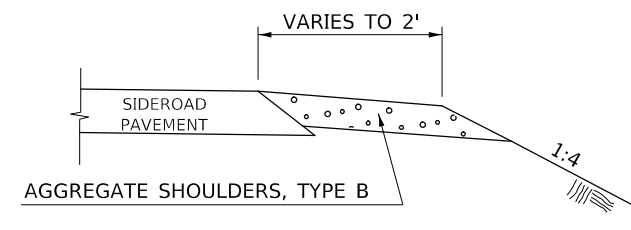


**RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)**

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	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	Engineer						
SHOULDER WIDTH (FT)	4	8	10						
SHOULDER SLOPE (%)	2	4	12						
ENTRANCE GRADE (%)	1	1 to 4	4						
BREAKOVER (%)	0	5	10						
SIDE SLOPE (FT)	1:10	1:6	1:4						
INTERSECTION ANGLE	60	75 to 90							
<b>SURFACE TYPE</b>									
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge		
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base					
PCC PAVEMENT (INCH)			8						



**SECTION B-B  
MAINLINE SHOULDER TREATMENT**



**SECTION C-C  
SIDEROAD SHOULDER TREATMENT**

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

**DISTRICT 5 DETAIL NO. 408000AA**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEROAD & SIDESTREETS (RURAL)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	37
CONTRACT NO. 70E16				

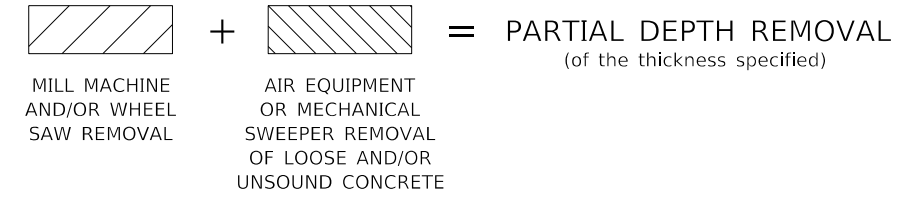
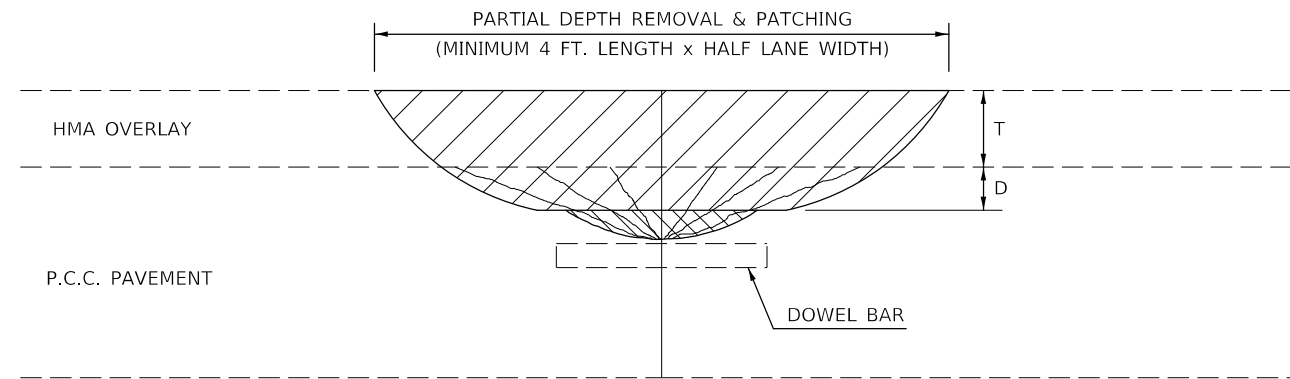
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

MODEL: I:\MODEL\NAMES FILE: 408000AA.dwg USER: goblejr DATE: 3/16/2020

USER NAME = Goblejr	DESIGNED -	REVISOR -	DATE -
	DRAWN -	REVISOR -	DATE -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISOR -	DATE -
PLOT DATE = 3/16/2020	DATE -	REVISOR -	DATE -

**RESURFACED PCC PAVEMENT**



**DESIGN NOTES**

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

**GENERAL NOTES**

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

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

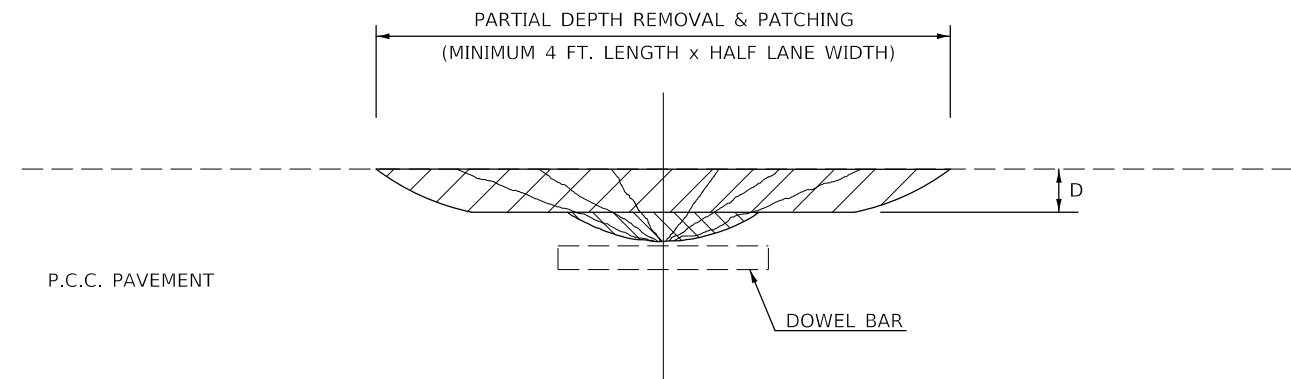
GENERAL NOTE 406H SHALL INCLUDE MIXTURE REQUIREMENTS FOR PARTIAL DEPTH PATCHING.

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

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

TRANSVERSE CONTRACTION JOINT SHOWN - OTHER LOCATIONS SIMILAR.

**BARE PCC PAVEMENT**



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

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USER NAME = GobleJR	DESIGNED -	REVISED - 11/06
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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

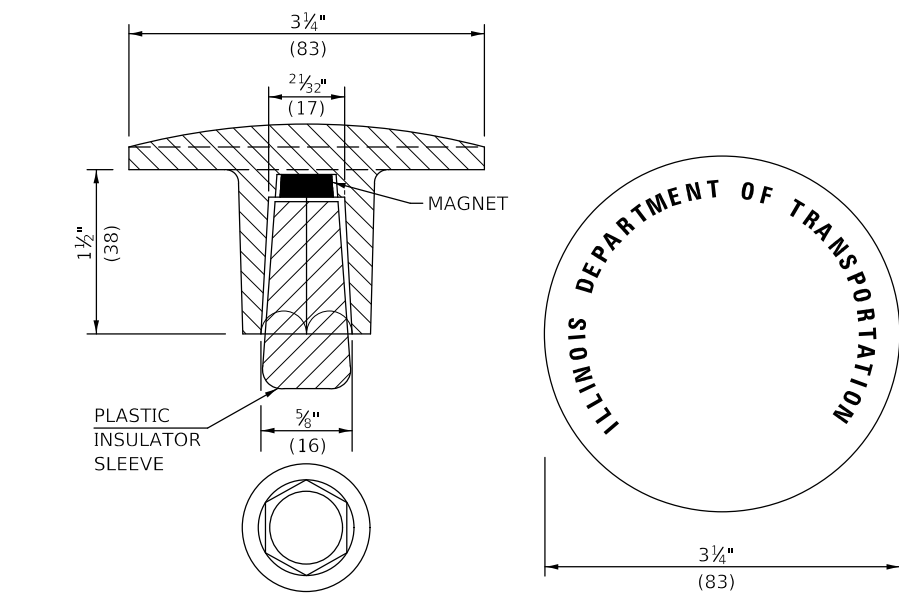
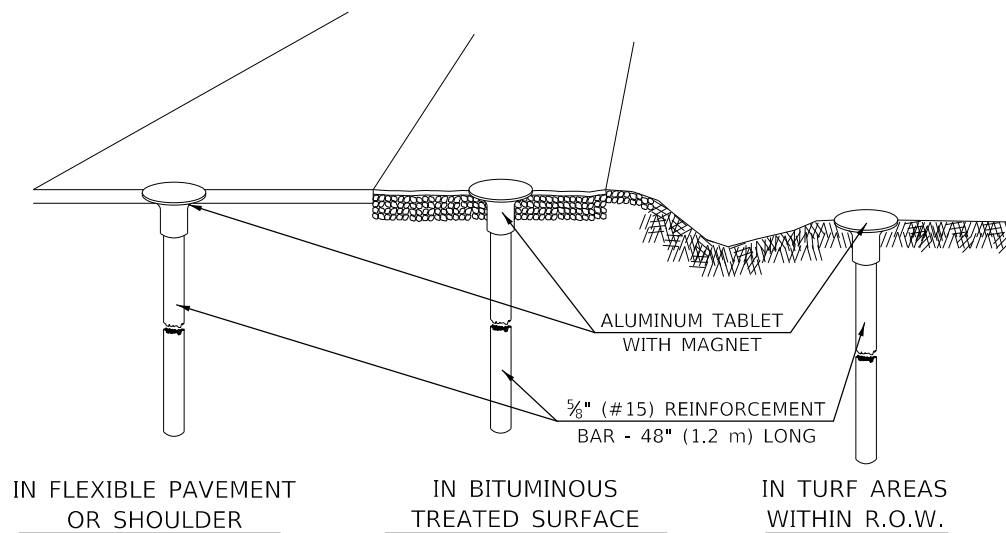
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**DISTRICT 5 DETAIL NO. XX442100**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	38
CONTRACT NO. 70E16				
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)



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.

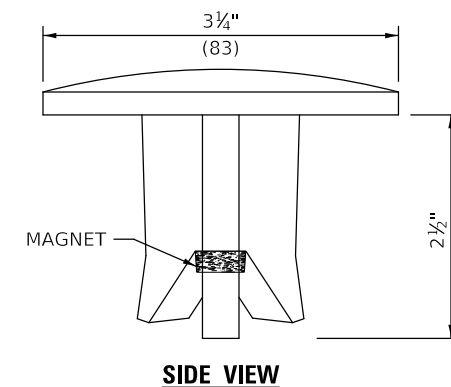
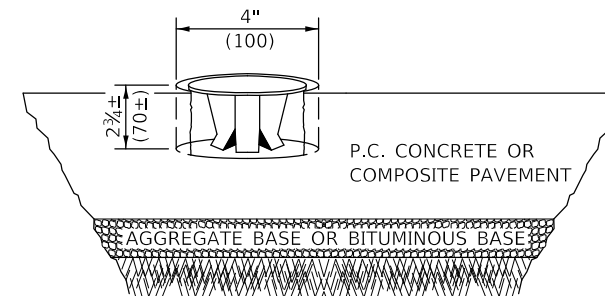
**SPECIFICATIONS FOR REBAR**

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)



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.

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	DRAWN -	REVISED - 11/10
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SURVEY MARKERS TYPE 1 & 2 (SPECIAL)**

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

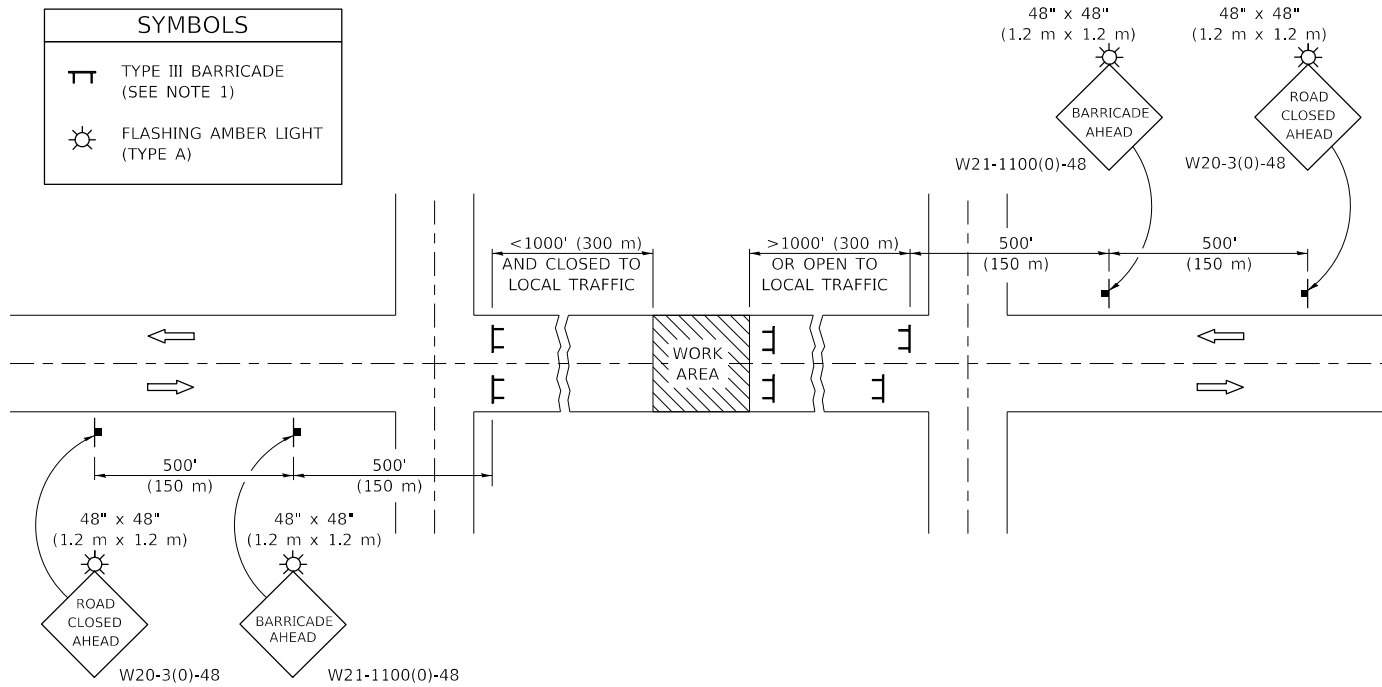
**DISTRICT 5 DETAIL NO. XZ193AAA**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	39
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				

# ROAD CLOSURE

# SIDEROAD / STREET CLOSURE

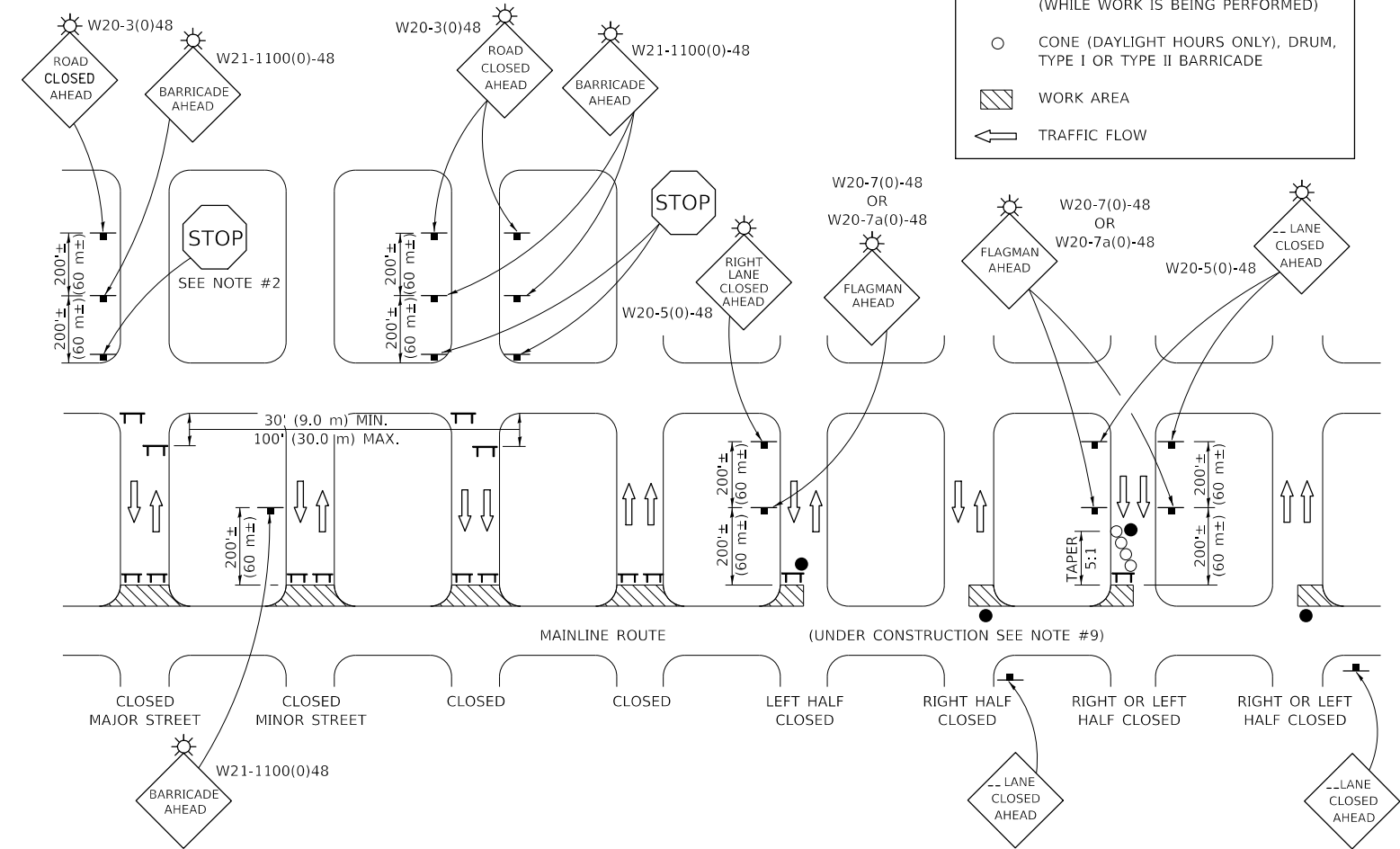
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



### 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.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

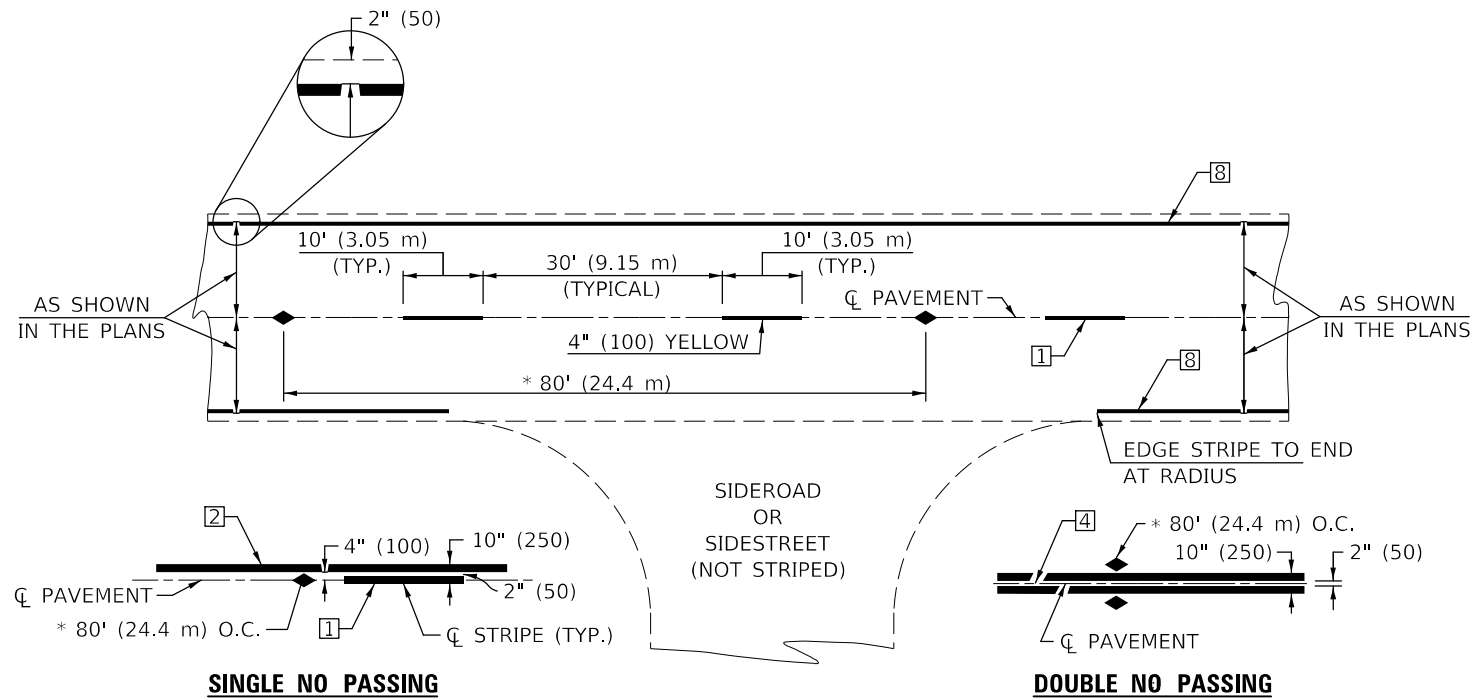
DISTRICT 5 DETAIL NO. 7020000

USER NAME = GobleJR	DESIGNED -	REVISED - 11/06
	DRAWN -	REVISED - 12/07
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED - 09/09 KJT
PLOT DATE = 3/16/2020	DATE -	REVISED -

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	40
				CONTRACT NO. 70E16
		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.

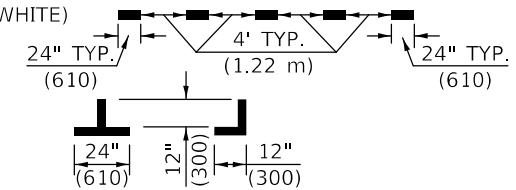
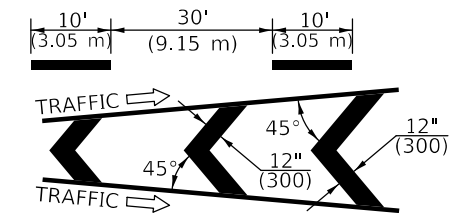
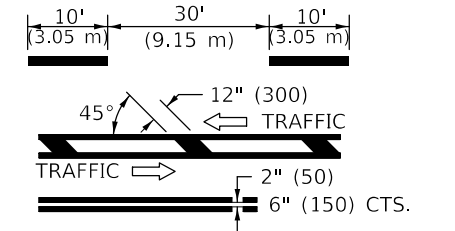
**TWO LANE/TWO WAY**

**TYPICAL PAVEMENT MARKING LEGEND**

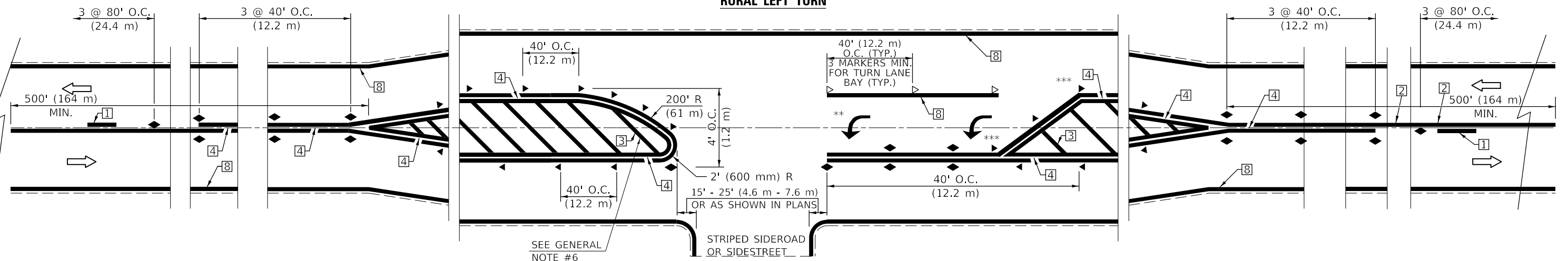
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 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.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)

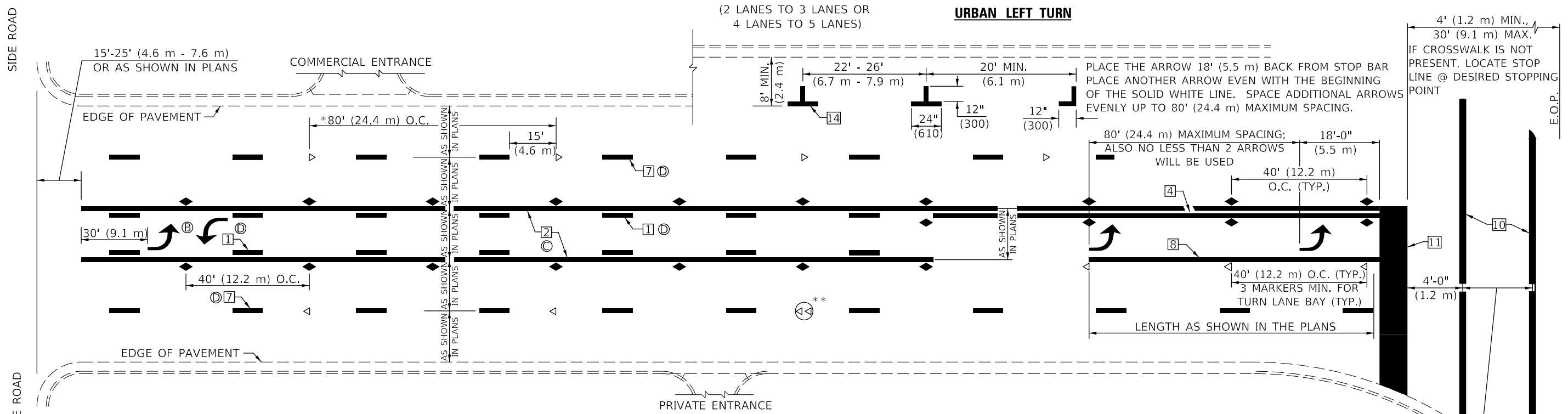
SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	41
CONTRACT NO. 70E16			ILLINOIS FED. AID PROJECT	

USER NAME = GobleJR	DESIGNED -	REVISED - 11/06
	DRAWN -	REVISED - 9/2009 KJT
PLOT SCALE = 40.0000 "/in.	CHECKED -	REVISED - 04/14 JLA
PLOT DATE = 3/16/2020	DATE -	REVISED - 3/2019 SWN

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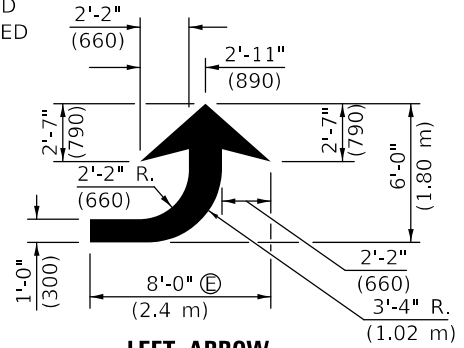


\* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

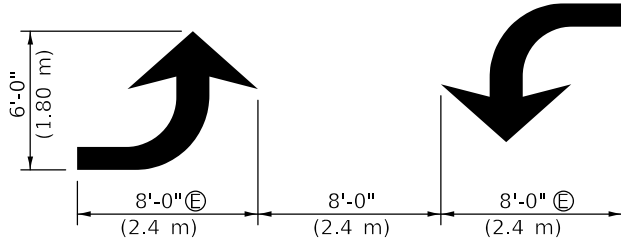
**GENERAL NOTES:**

- (B) TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- (C) THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- (D) THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- (E) USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



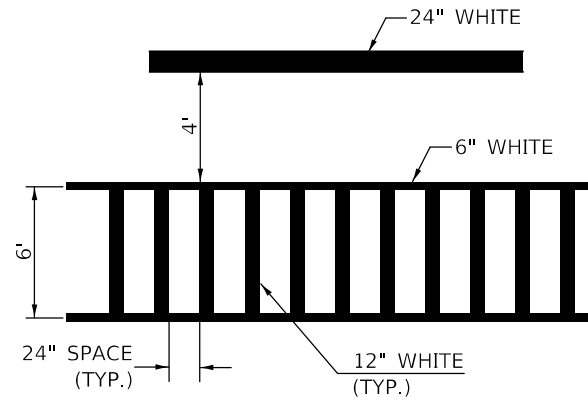
**LEFT ARROW**

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

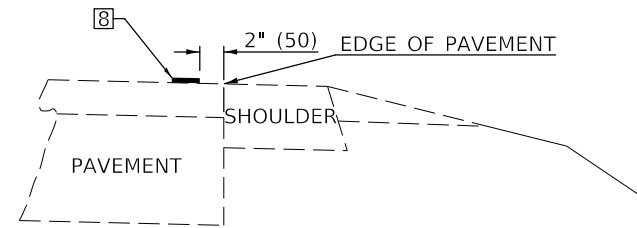


**TYPICAL DOUBLE TURN ARROWS (WHITE)**

**BLOOMINGTON-NORMAL CITY LIMITS ONLY**

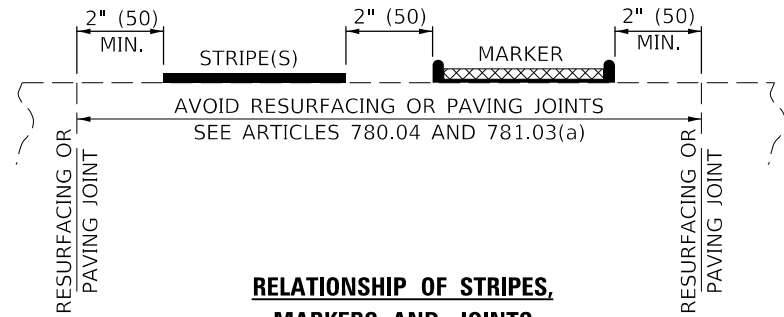


**TYPICAL SPACING FOR CROSSWALKS & STOP BARS**



**RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT**

(SAFETY SHOULDER OR PAVED SURFACE)  
SEE ARTICLE 780.04



**RELATIONSHIP OF STRIPES, MARKERS AND JOINTS**

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

MODEL: \\MODEL\NAME: FILE: \\NAME: \\PROJECT\DATA\ILLINOIS\DOT\Documents\DOT\_Offices\Illinois\DOT\Projects\70E16\CD\Drawings\70E16-PT-DR-01.dwg

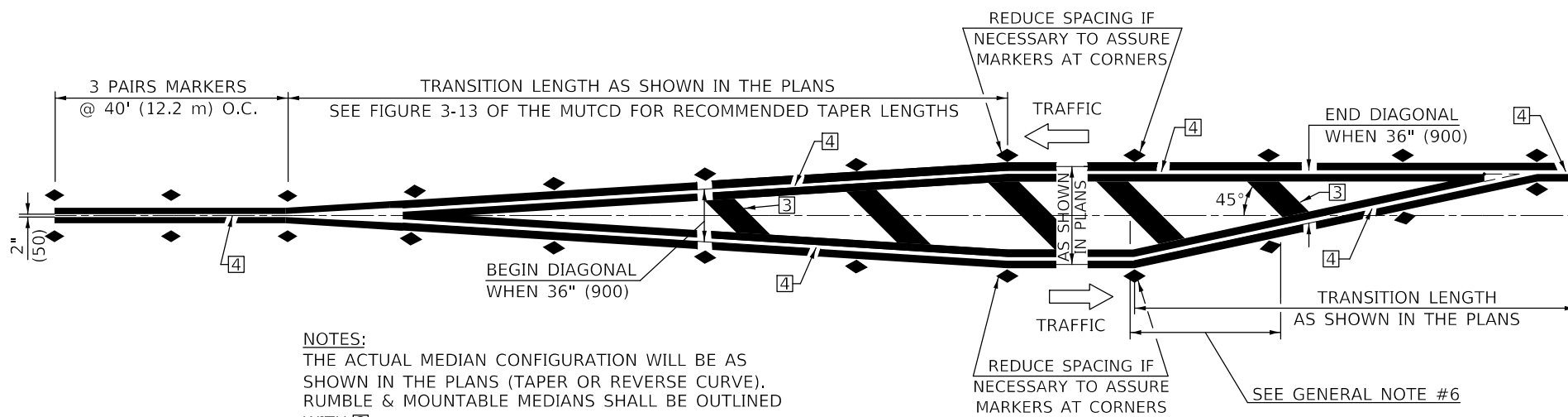
USER NAME = GobleJR	DESIGNED -	REVISED - 11/06
	DRAWN -	REVISED - 9/2009 KJT
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED - 04/14 JLA
PLOT DATE = 3/16/2020	DATE -	REVISED - 3/2019 SWN

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	42
			CONTRACT NO. 70E16	
			ILLINOIS FED. AID PROJECT	

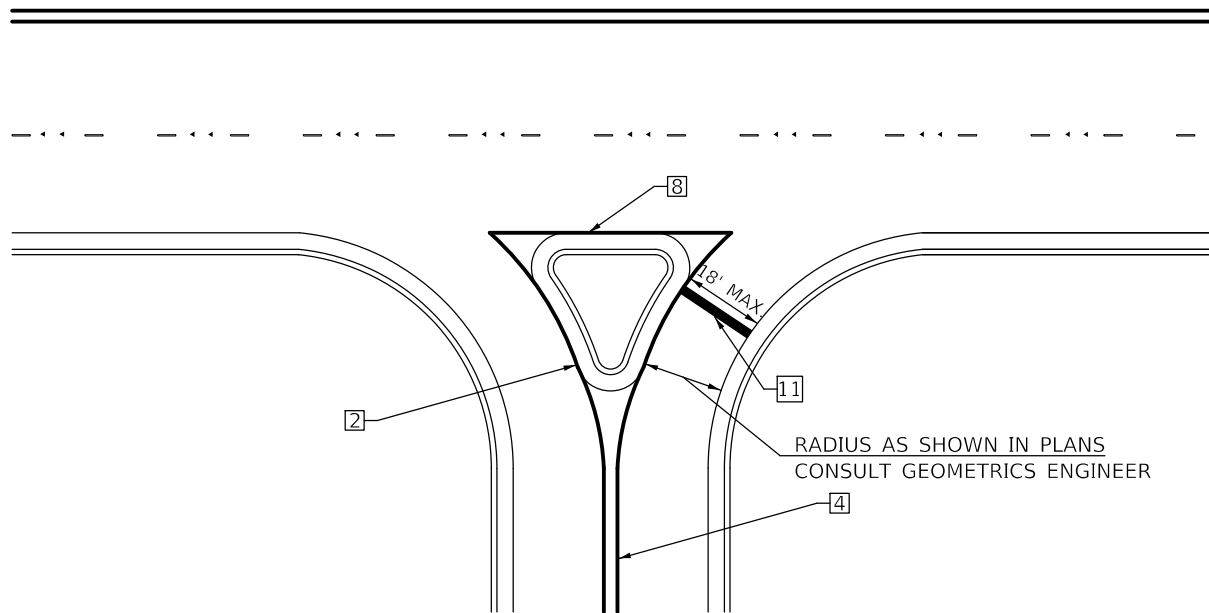


NOTES:  
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE). RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

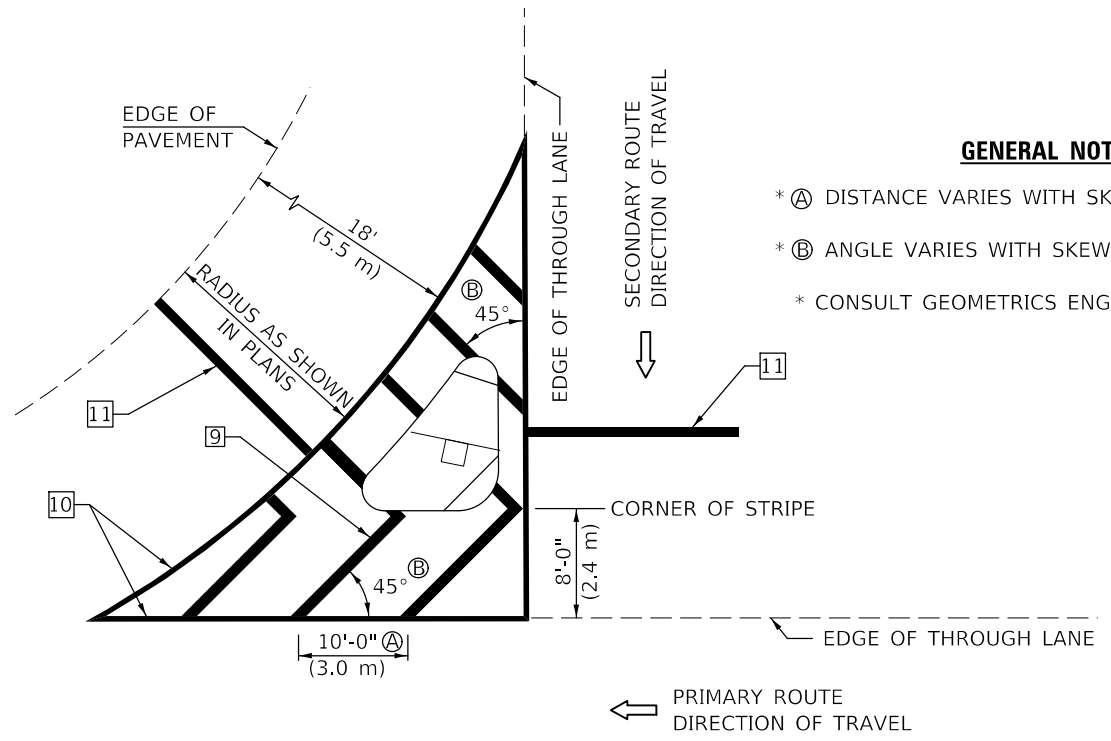
**TYPICAL MEDIAN TRANSITIONS**

**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**



**ISLAND**

**GENERAL NOTES**

- \* A DISTANCE VARIES WITH SKEW OF INTERSECTION.
- \* B ANGLE VARIES WITH SKEW OF INTERSECTION.
- \* CONSULT GEOMETRICS ENGINEER

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

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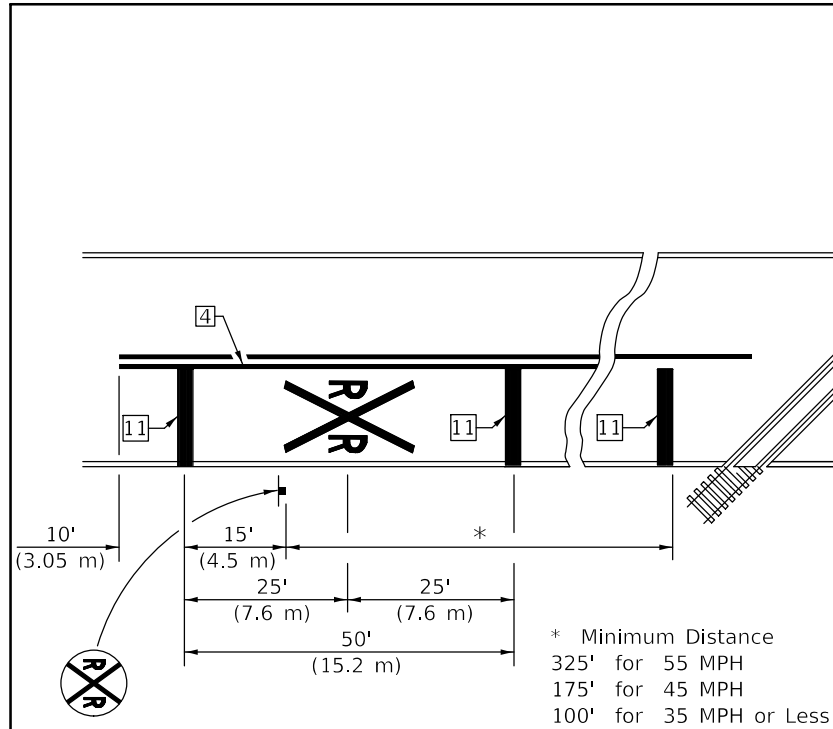
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	DRAWN -	REVISD - 9/2009 KJT
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISD - 04/14 JLA
PLOT DATE = 3/16/2020	DATE -	REVISD - 3/2019 SWN

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	43
			CONTRACT NO. 70E16	
		ILLINOIS	FED. AID PROJECT	

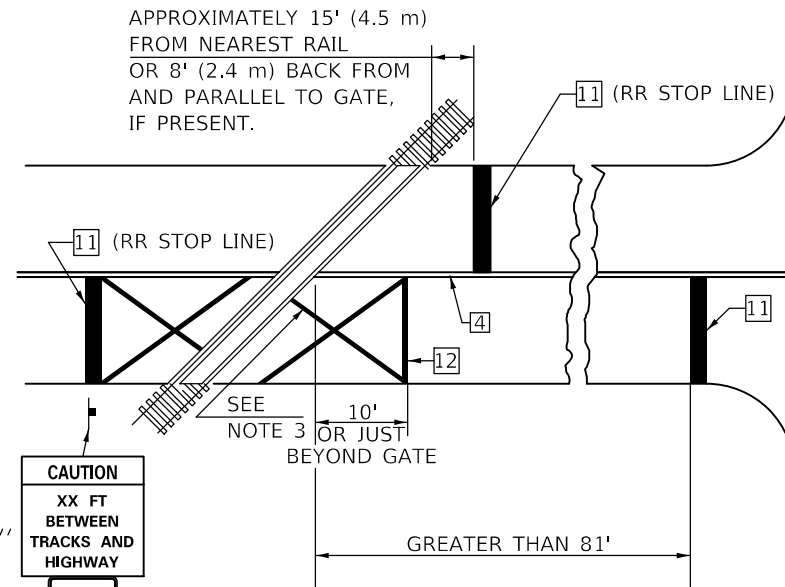


**PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING**

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

**RAILROAD CROSSING WITH INTERCONNECT ONLY**

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



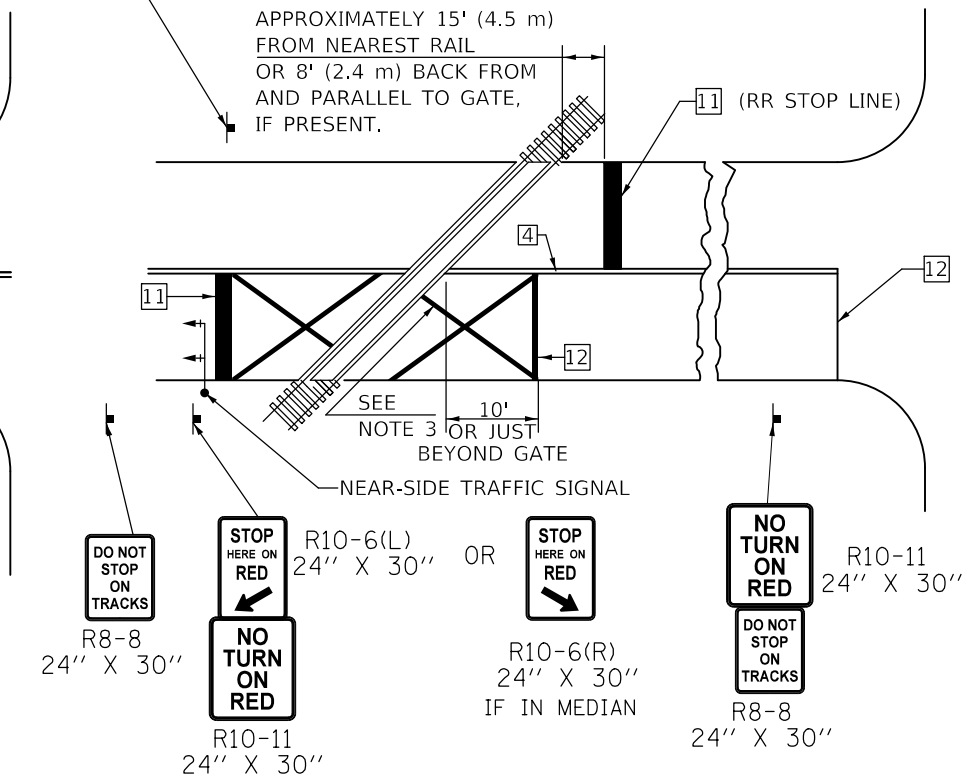
W10-I100  
30'' X 36''

CAUTION  
XX FT  
BETWEEN  
TRACKS AND  
HIGHWAY  
DO NOT  
STOP  
ON  
TRACKS  
R8-8  
24'' X 30''

ONLY IF SIGNAL HEAD CANNOT BE LOCATED IN MEDIAN

**RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS**

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



DO NOT STOP ON TRACKS  
R8-8  
24'' X 30''

STOP HERE ON RED  
R10-6(L)  
24'' X 30'' OR  
R10-11  
24'' X 30''

STOP HERE ON RED  
R10-6(R)  
24'' X 30''  
IF IN MEDIAN

NO TURN ON RED  
R10-11  
24'' X 30''  
DO NOT STOP ON TRACKS  
R8-8  
24'' X 30''

**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. 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
4. XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
5. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

**SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING**

**ALTERNATE SIGNS**



**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.

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

**DISTRICT 5 DETAIL NO. 7800AAAA**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6383	(16,17,18)RS-3	MCLEAN	44	44
CONTRACT NO. 70E16				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

MODEL: I:\MODEL\MAR15  
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DATE: 3/16/2020

USER NAME = GobleJR	DESIGNED -	REVISED - 11/06
	DRAWN -	REVISED - 9/2009 KJT
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED - 04/14 JLA
PLOT DATE = 3/16/2020	DATE -	REVISED - 3/2019 SWN