

F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(89-15)	CHAMPAGN	15	1
		ILLINOIS	CONTRACT NO. 70G23	

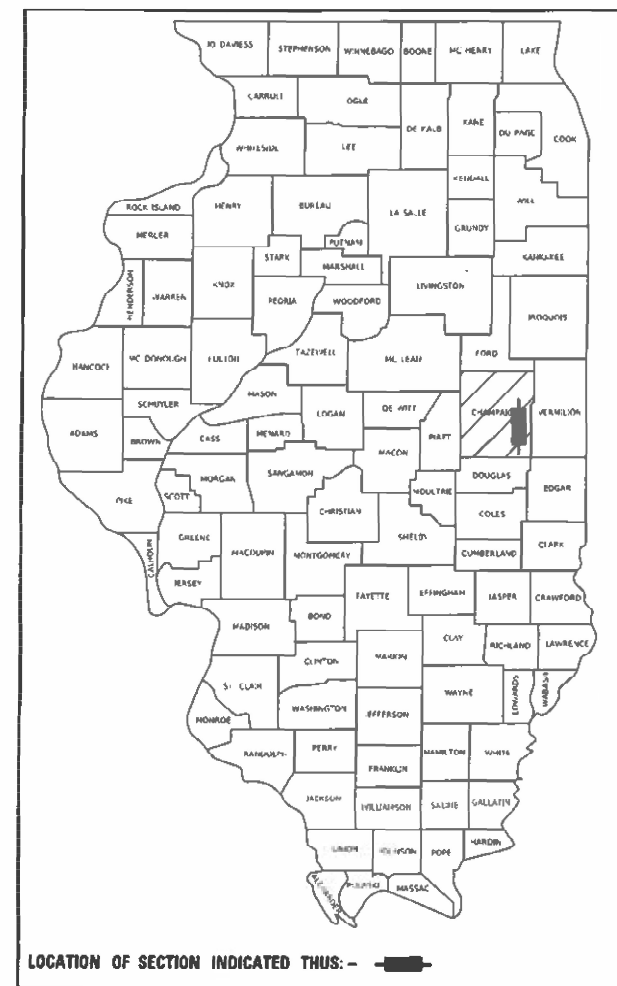
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAS ROUTE 516 / (ST JOSEPH RD)
SECTION (89-15)
STANDARD OVERLAY FROM
SALT FORK RIVER TO MAIN STREET IN SIDNEY
CHAMPAIGN COUNTY

C-95-023-23

D-95-011-23

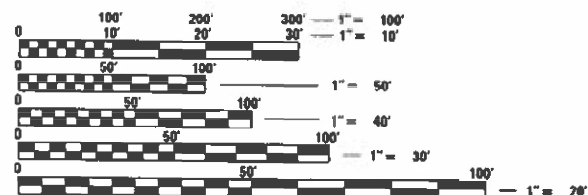


FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO.3

CURRENT TRAFFIC DATA				
FAS 516				
	ADT (2022)	PV %	SU %	MU %
LEG "A"	= 725	91.8	4.1	4.1
TRAFFIC DATA LOCATIONS				
LEG "A"	= FROM SALT FORK RIVER TO MAIN ST IN SIDNEY			
FUNCTIONAL CLASSIFICATION				
MAJOR COLLECTOR (RURAL)				

DESIGN DESIGNATION
NA

TOWNSHIP: SIDNEY

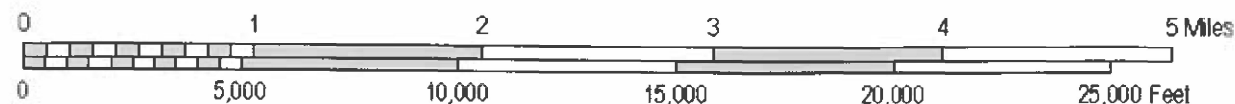
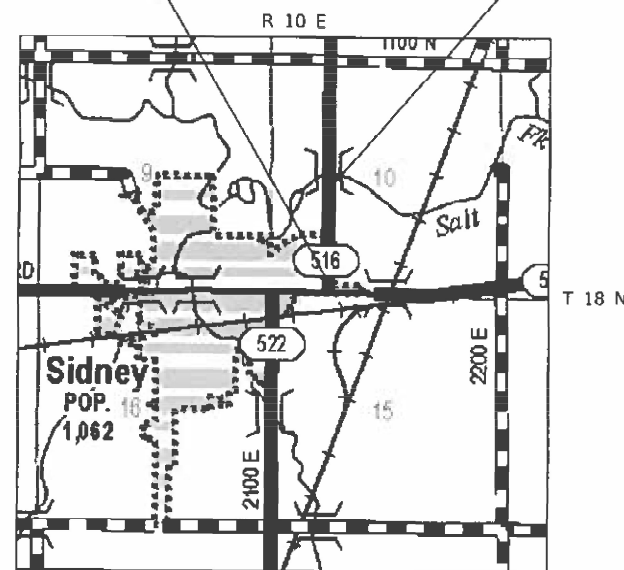


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JASON STULTS
PROJECT MANAGER: GREG EAGLIN
PROJECT DESIGNER: TITUS MOOD
PHONE: 217-465-4181
CONTRACT NO. 70G23

PROJECT BEGINS: STA. 0+00.00
PROJECT ENDS: STA. 19+82.00



GROSS LENGTH = 1982.00 FT. = 0.375 MILE
NET LENGTH = 1982.00 FT. = 0.375 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 11/7 2023
Kensil O. Harnett s.u.n
REGIONAL ENGINEER
March 24, 2023
SEA. ERS
ENGINEER OF DESIGN AND ENVIRONMENT
March 24, 2023
Stephen M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS**

SUMMARY OF QUANTITIES

LOCATION OF WORK: FAS 516 / (ST JOE RD)
 RURAL 2 LANE
 COUNTY: CHAMPAIGN
 STA. 0+00.00
 TO
 STA. 19+82.00
 FUNDING BREAKOUT: 100% STATE
 CONSTRUCTION CODE: 0005

LOCATION OF WORK: FAS 516 / (ST JOE RD)
 RURAL 2 LANE
 COUNTY: CHAMPAIGN
 STA. 0+00.00
 TO
 STA. 19+82.00
 FUNDING BREAKOUT: 100% STATE
 CONSTRUCTION CODE: 0005

CODE NO	ITEM	UNIT	TOTAL QUANTITY
35800100	PREPARATION OF BASE	SQ YD	29.0
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2642.0
40600370	LONGITUDINAL JOINT SEALANT	FOOT	1982.0
40600990	TEMPORARY RAMP	SQ YD	14.0
40604050	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "C", N50	TON	466.0
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	215.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	43.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	5541.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	43.0

* SPECIALTY ITEM

CODE NO	ITEM	UNIT	TOTAL QUANTITY
67100100	MOBILIZATION	L SUM	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	408.0
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	68.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	4512.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	26.0
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	447.0
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0

* SPECIALTY ITEM

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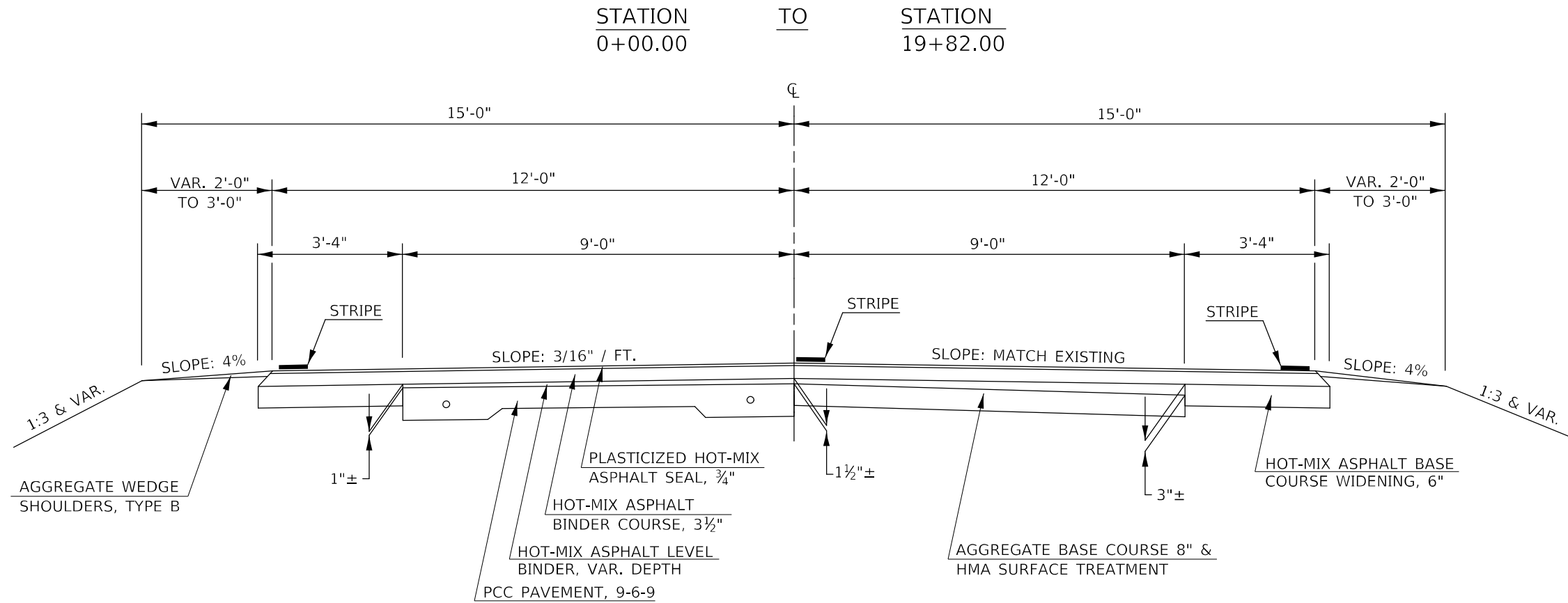
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

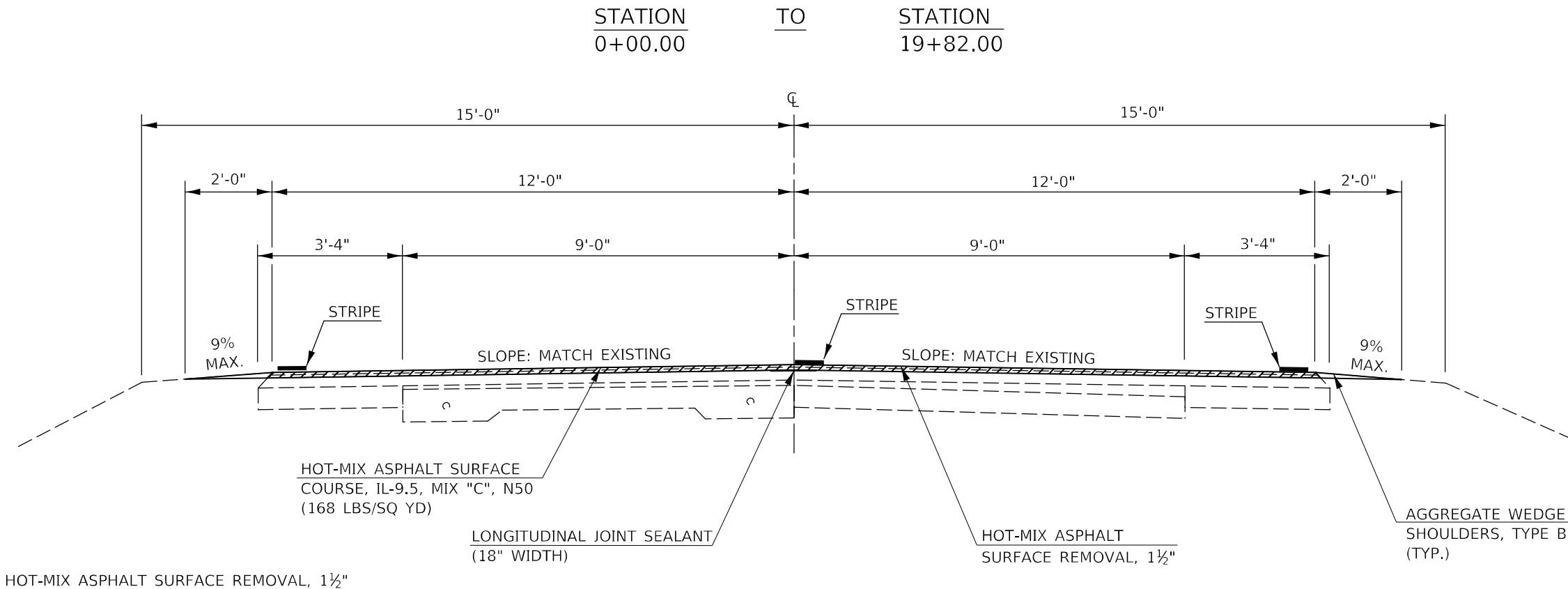
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(89-15)I	CHAMPAIGN	15	3
			CONTRACT NO. 70G23	
			ILLINOIS FED. AID PROJECT	

EXISTING TYPICAL CROSS-SECTION



PROPOSED TYPICAL CROSS-SECTION



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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTION			
SCALE:	SHEET 1	OF 1	SHEETS
STA.	TO STA.		

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(89-15)I	CHAMPAIGN	15	4
CONTRACT NO. 70G23				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT SCHEDULE

LOCATION			STATION	TO	STATION	LENGTH (FT)	AVERAGE WIDTH (FT)	AREA (SQ YD)	HMA SURFACE THICKNESS (INCHES)	44000155 HMA SURFACE REMOVAL, 1-1/2" (SQ YD)	40600370 LONGITUDINAL JOINT SEALANT (FOOT)	40600290 BITUMINOUS MATERIALS TACK COAT (POUND)	40604050 HOT-MIX ASPHALT SURFACE COURSE IL 9.5, MIX "C", N50 (TON)
N.B.	C.L.	FAS 516	0+00.00		19+82.00	1,982.00					1,982.00	148.65	
N.B.	RT.	FAS 516	0+00.00		0+48.00	48.00		166.00	1.5	166.00		74.70	13.94
N.B.	RT.	FAS 516	0+48.00		0+74.00	26.00	13.50	39.00	1.5	39.00		17.55	3.28
N.B.	RT.	FAS 516	0+74.00		19+82.00	1,908.00	12.10	2,565.20	1.5	2,565.20		1,154.34	215.48
S.B.	LT	FAS 516	0+00.00		0+48.00	48.00		166.00	1.5	166.00		74.70	13.94
S.B.	LT	FAS 516	0+48.00		0+74.00	26.00	13.50	39.00	1.5	39.00		17.55	3.28
S.B.	LT	FAS 516	0+74.00		19+82.00	1,908.00	12.10	2,565.20	1.5	2,565.20		1,154.34	215.48
TOTAL =										5,540.40	1,982.00	2,641.83	465.39
USE =										5,541.00	1,982.00	2,642.00	466.00
										SQ YD	FOOT	POUND	TON

INCIDENTAL HOT-MIX ASPHALT SCHEDULE

STATION	DESCRIPTION	PROPOSED AREA (SQ YD)	INCIDENTAL HMA THICKNESS (INCHES)	X4400196 HMA SURFACE REMOVAL, SPECIAL (SQ YD)	35800100 PREPARATION OF BASE (SQ YD)	40800029 BITUMINOUS MATERIALS TACK COAT (POUND)	40800050 INCIDENTAL HMA SURFACING (TON)	COMMENTS
RT.	1+40.00	M.B.T.O	18.00	1.50	18.00	8.10	1.51	3 FT FROM EOP
RT.	2+38.00	16' P.E. W/ M.B.T.O.	39.00	1.50	39.00	17.55	3.28	10 FT FROM EOP
RT.	3+62.00	20' P.E. W/ M.B.T.O.	37.00	1.50	37.00	16.65	3.11	10 FT FROM EOP
RT.	4+70.00	18' P.E. W/ M.B.T.O.	43.00	1.50	43.00	19.35	3.61	10 FT FROM EOP
RT.	6+00.00	18' P.E. W/ M.B.T.O.	44.00	1.50	44.00	19.80	3.70	10 FT FROM EOP
RT.	7+18.00	20' P.E. W/ M.B.T.O.	44.00	1.50	44.00	19.80	3.70	10 FT FROM EOP
RT.	7+96.00	24' P.E. W/ M.B.T.O.	41.00	1.50	41.00	18.45	3.44	10 FT FROM EOP
RT.	9+76.00	22' P.E. W/ M.B.T.O.	43.00	1.50	43.00	19.35	3.61	10 FT FROM EOP
RT.	10+60.00	28' P.E. W/ M.B.T.O.	27.00	1.50	27.00	12.15	2.27	4 FT FROM EOP
LT.	11+16.00	DUNLAP WOODS NORTH						NO WORK
LT.	14+55.00	18' C.E.	30.00	1.50	30.00	13.50	2.52	10 FT FROM EOP
LT.	16+12.00	14' C.E.	26.00	1.50	26.00	11.70	2.18	10 FT FROM EOP
LT.	17+25.00	16' C.E.	28.00	1.50	28.00	12.60	2.35	10 FT FROM EOP
RT.	17+75.00	18' P.E.	29.00	3.00	29.00	13.05	4.87	10 FT FROM EOP
LT.	19+44.00	18' P.E.	27.00	1.50	27.00	12.15	2.27	10 FT FROM EOP
TOTAL =				447.00	79.00	2,420	47.47	
USE =				447.00	79.00	2,420	47.47	
				SQ YD	SQ YD	PCUND	TON	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(89-15)I	CHAMPAIGN	15	5
CONTRACT NO. 70G23				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

70300100 SHORT TERM PAVEMENT MARKING

70300150 SHORT TERM PAVEMENT MARKING REMOVAL

				70300100				70300150	
LOCATION			STATION	TO	STATION	QUANTITY (FT)	APPLY AFTER	COLOR	QUANTITY (SQ FT)
N.B.	FAS 516	SKIP-DASH	0+00.00		19+82.00	408.00	MILLING & HMA SURFACE	YELLOW	68.00
						TOTAL =		TOTAL =	68.00
						USE =	408.00	USE =	68.00
							FT		SQ FT

NOTE:
SHORT TERM PAVEMENT MARKINGS WILL BE REMOVED FROM THE FINAL SURFACE ONLY.

48102100 AGGREGATE WEDGE SHOULDER, TYPE B

							48102100		
LOCATION			STATION	TO	STATION	LENGTH (FT)	WIDTH (FT)	AVE. DEPTH (INCHES)	QUANTITY TON
N.B.	RT.	FAS 516	0+00.00		19+82.00	1982.00	2.00	1.00	22.02
S.B.	LT.	FAS 516	0+00.00		10+62.00	1062.00	2.00	1.00	11.80
S.B.	LT.	FAS 516	11+76.00		19+82.00	806.00	2.00	1.00	8.96
								TOTAL =	42.78
								USE =	43.00
									TON

78001110 PAINT PAVEMENT MARKING - LINE 4"

					78001110		
LOCATION			STATION	TO	STATION	QUANTITY (FT)	COLOR
N.B.	CL.	SKIP DASH	0+00.00		19+82.00	500.00	YELLOW
N.B.	RT.	FOP	0+00.00		0+48.00	72.00	WHITE
N.B.	RT.	EOP	0+48.00		19+82.00	1,934.00	WHITE
S.B.	LT.	EOP	0+00.00		0+48.00	72.00	WHITE
S.B.	LT.	FOP	0+48.00		19+82.00	1,934.00	WHITE
						TOTAL =	4,512.00
						USE =	4,512.00
							FT

78100100 RAISED REFLECTIVE PAVEMENT MARKER

					78100100		
					TWO-WAY AMBER		
LOCATION			STATION	TO	STATION	LENGTH (FT)	QUANTITY (EACH)
C.L.	FAS 516	SKIP DASH	0+00.00		19+82.00	1982.00	26.00
						TOTAL =	26.00
							EACH

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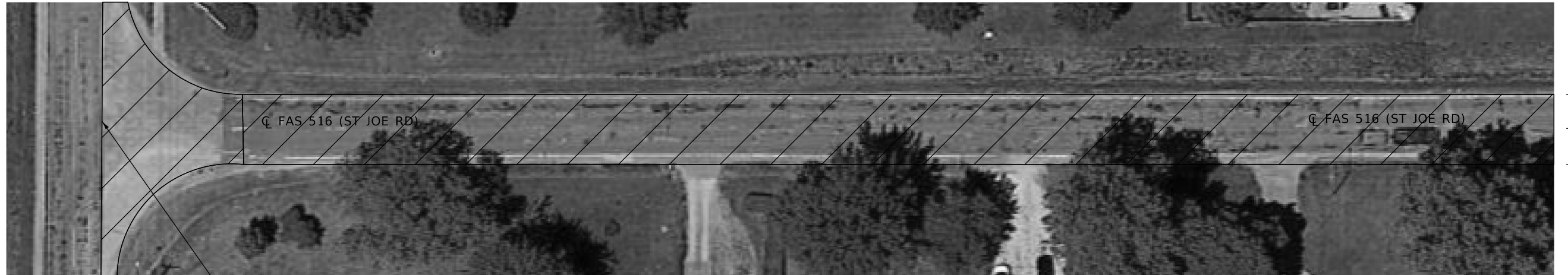
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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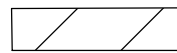
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516	(89-15)I	CHAMPAIGN	15	6
			CONTRACT NO. 70G23	
		ILLINOIS FED. AID PROJECT		

SEC. 10, T.18N., R.10E., 3RD P.M.



12'-0"
12'-0"

PROJECT BEGINS:
STA. 0+00.00

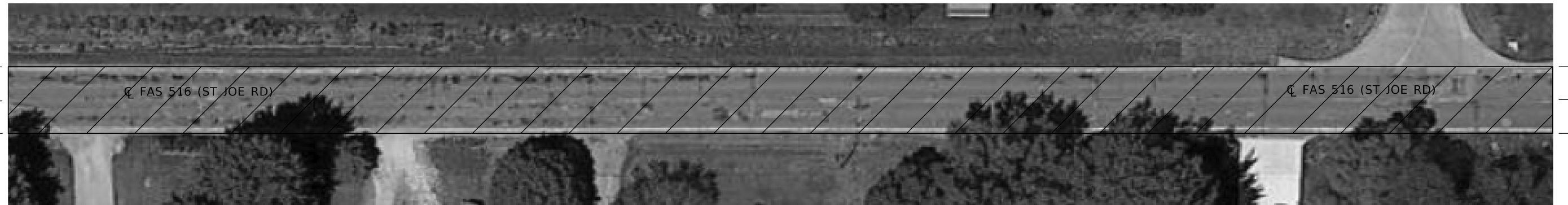


HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"

NOTE:
SEE SCHEDULES FOR INCIDENTAL HOT-MIX
ASPHALT SURFACING AT ENTRANCES.

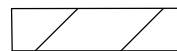
NOT TO SCALE

SEC. 10, T.18N., R.10E., 3RD P.M.



12'-0"
12'-0"

12'-0"
12'-0"



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

NOTE:
SEE SCHEDULES FOR INCIDENTAL HOT-MIX
ASPHALT SURFACING AT ENTRANCES.

NOT TO SCALE

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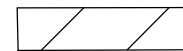
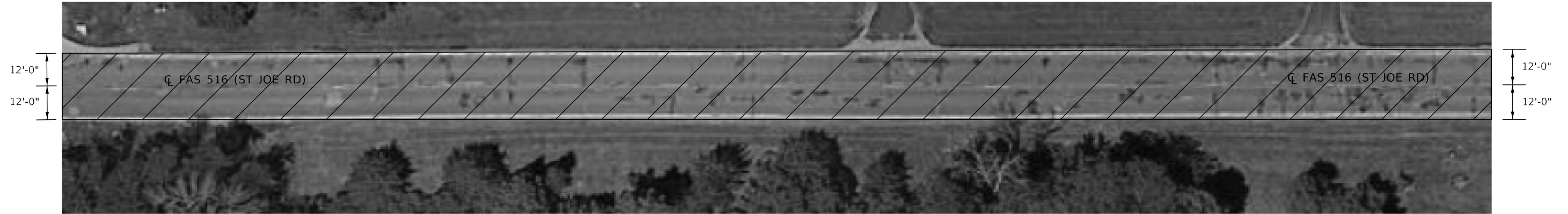
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(89-15)I	CHAMPAIGN	15	7
			CONTRACT NO. 70G23	
		ILLINOIS	FED. AID PROJECT	

SEC. 10, T.18N., R.10E., 3RD P.M.

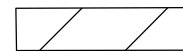
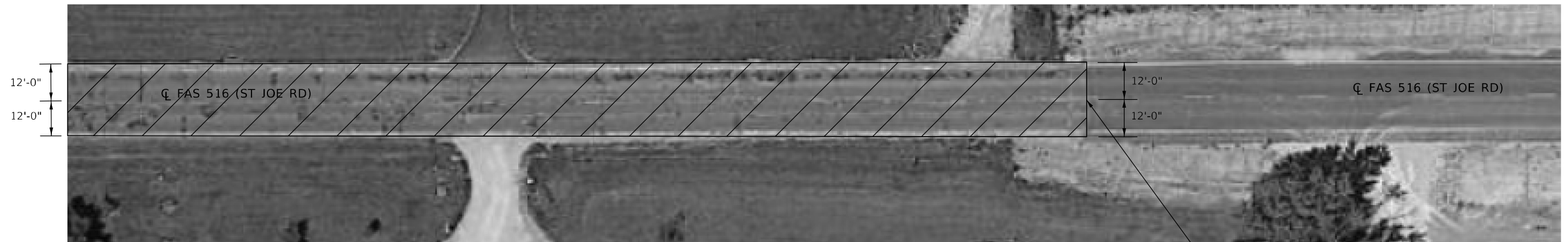


HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"

NOTE:
SEE SCHEDULES FOR INCIDENTAL HOT-MIX
ASPHALT SURFACING AT ENTRANCES.

NOT TO SCALE

SEC. 10, T.18N., R.10E., 3RD P.M.



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

NOTE:
SEE SCHEDULES FOR INCIDENTAL HOT-MIX
ASPHALT SURFACING AT ENTRANCES.

NOT TO SCALE

PROJECT ENDS:
STA. 19+82.00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

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

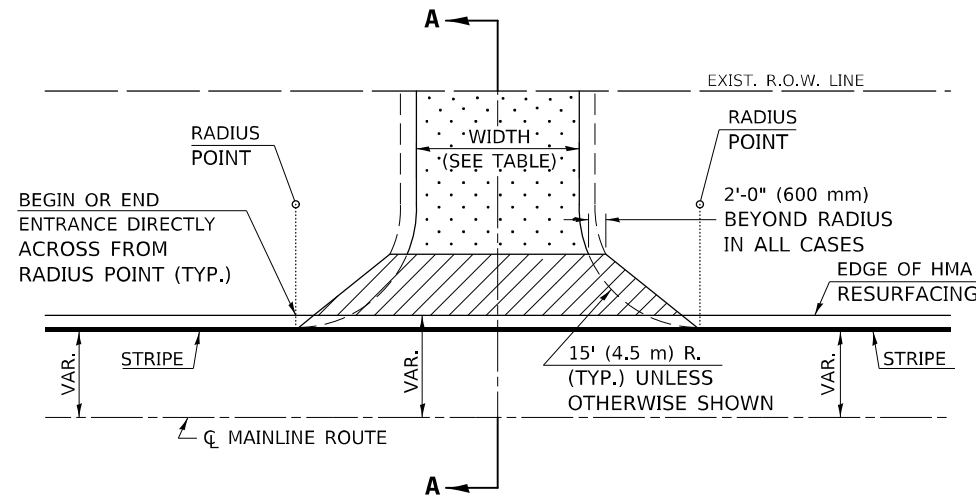
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516	(89-15)I	CHAMPAIGN	15	8
CONTRACT NO. 70G23				
ILLINOIS FED. AID PROJECT				

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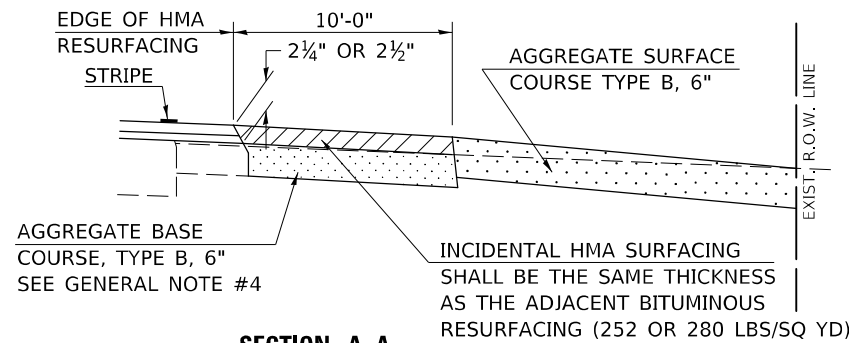
PROJECTS WITH RECONSTRUCTION

AGGREGATE ENTRANCE

(3R IMPROVEMENTS)

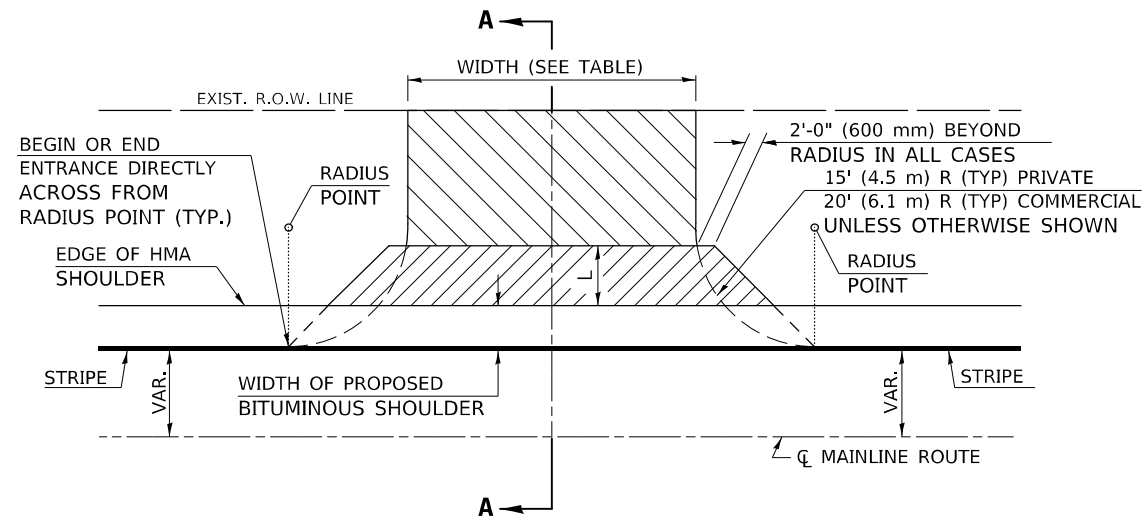


TYPICAL APPLICATION

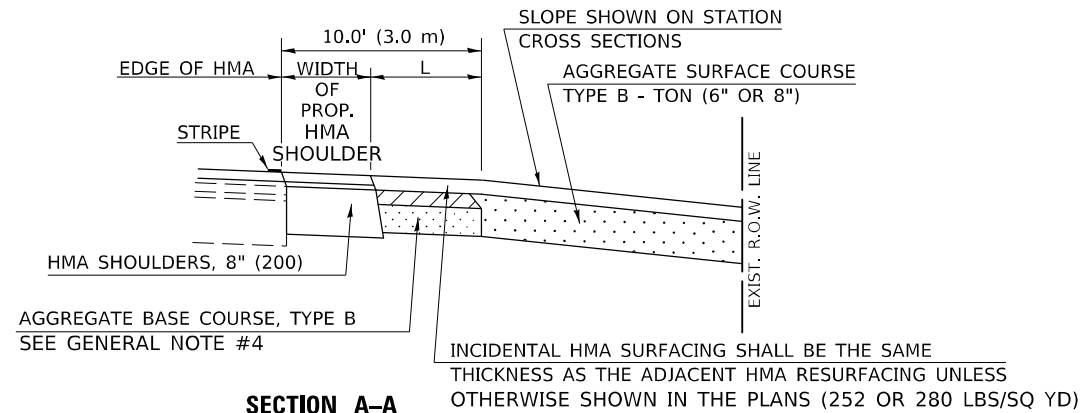


SECTION A-A

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. 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		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							
SURFACE TYPE															
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder						
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable, use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02						
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8							

DISTRICT 5 DETAIL NO. 40800050C

USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 09/07 KAG
	DRAWN -	REVISED - 05/08 KJT
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED - 04/10 KJT
PLOT DATE = 1/17/2023	DATE -	REVISED - 3/6/17 SWN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

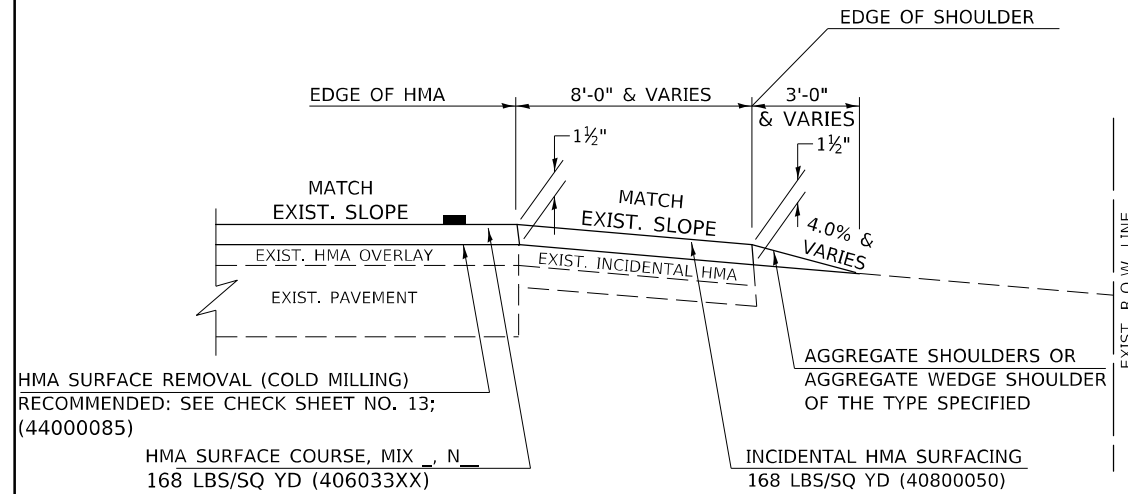
PRIVATE COMMERCIAL ENTRANCES
(NONCOMMERCIAL AND COMMERCIAL RURAL)

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

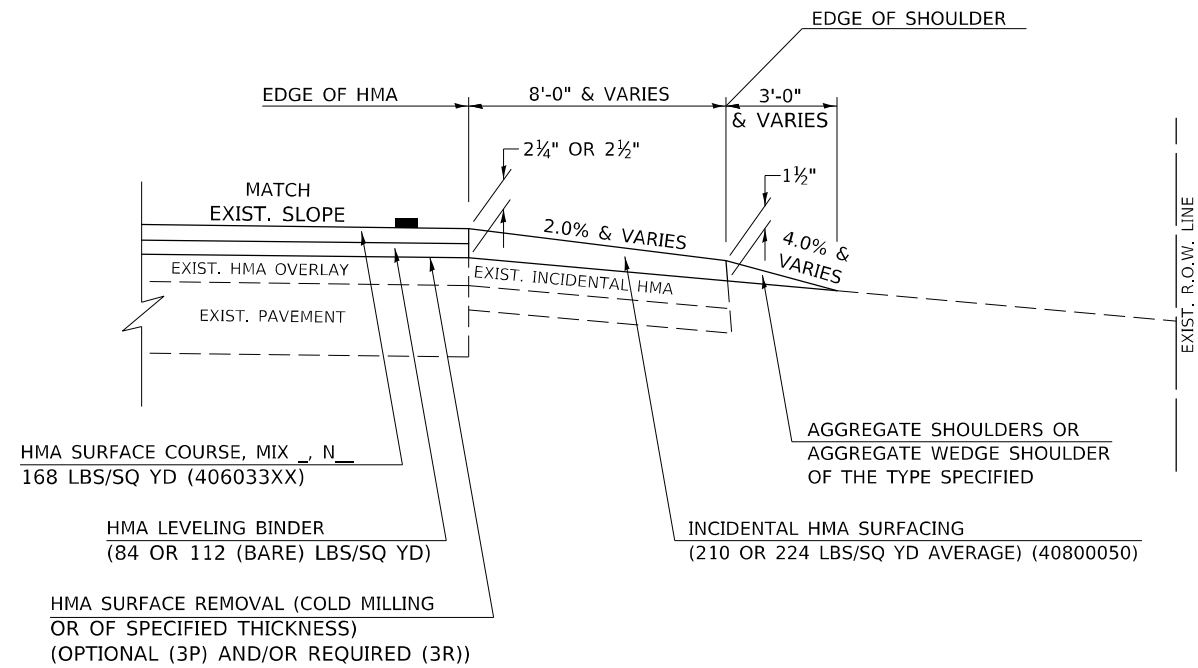
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(89-15)I	CHAMPAIGN	15	10
			CONTRACT NO. 70G23	
ILLINOIS FED. AID PROJECT				

PROJECTS WITHOUT RECONSTRUCTION

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



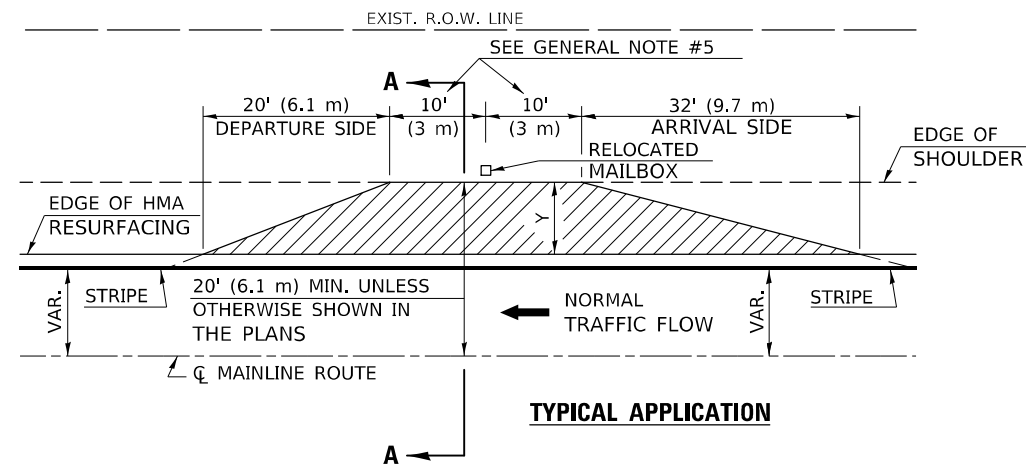
"3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



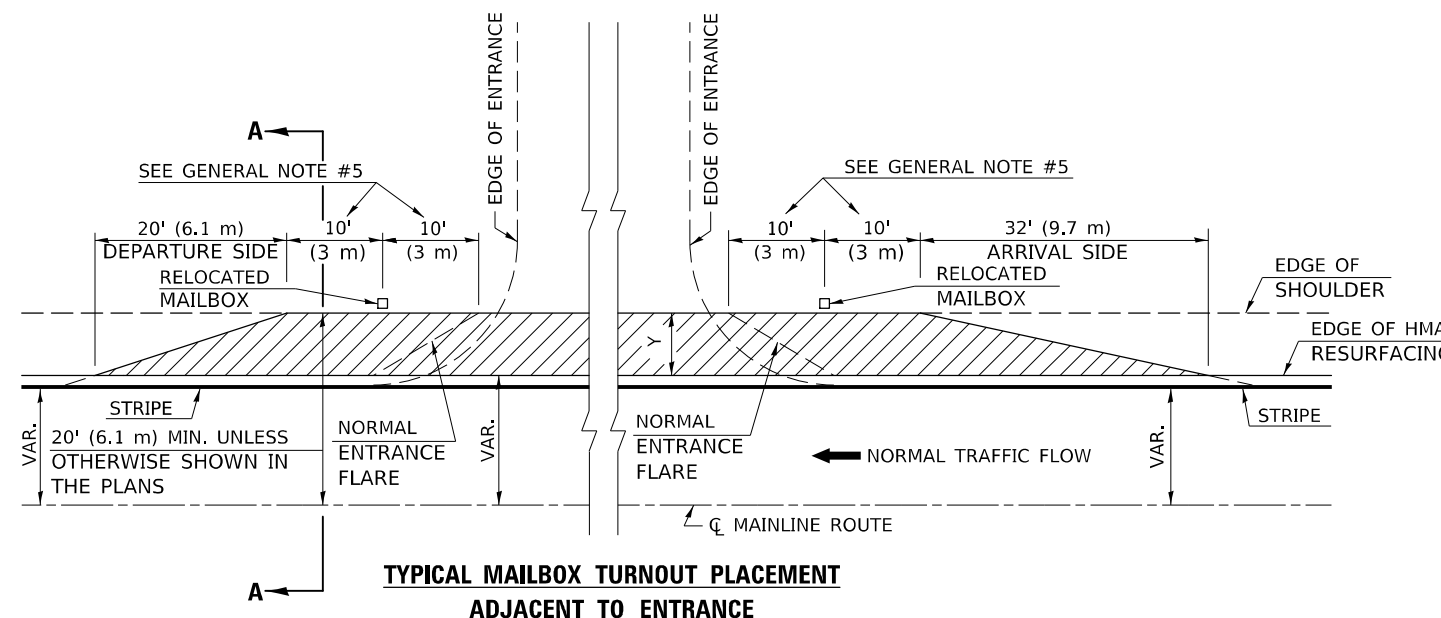
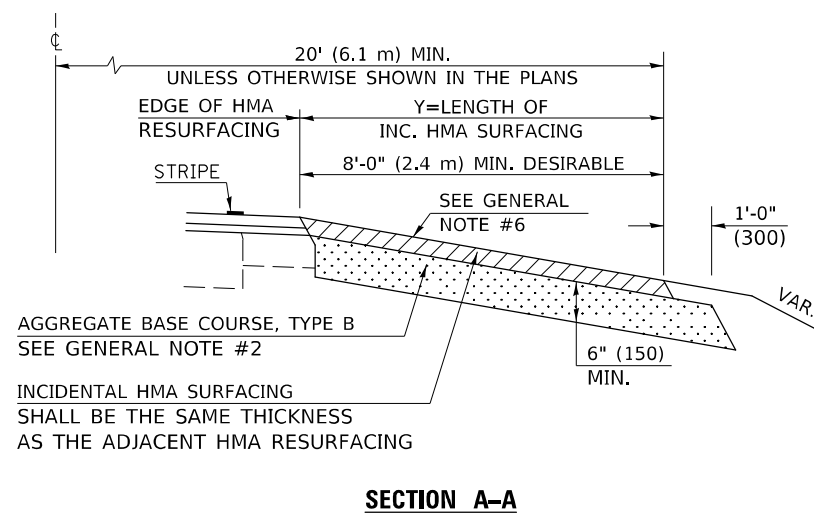
GENERAL NOTES

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

PROJECTS WITH RECONSTRUCTION ("3R" IMPROVEMENTS)



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



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

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DEPARTMENT OF TRANSPORTATION

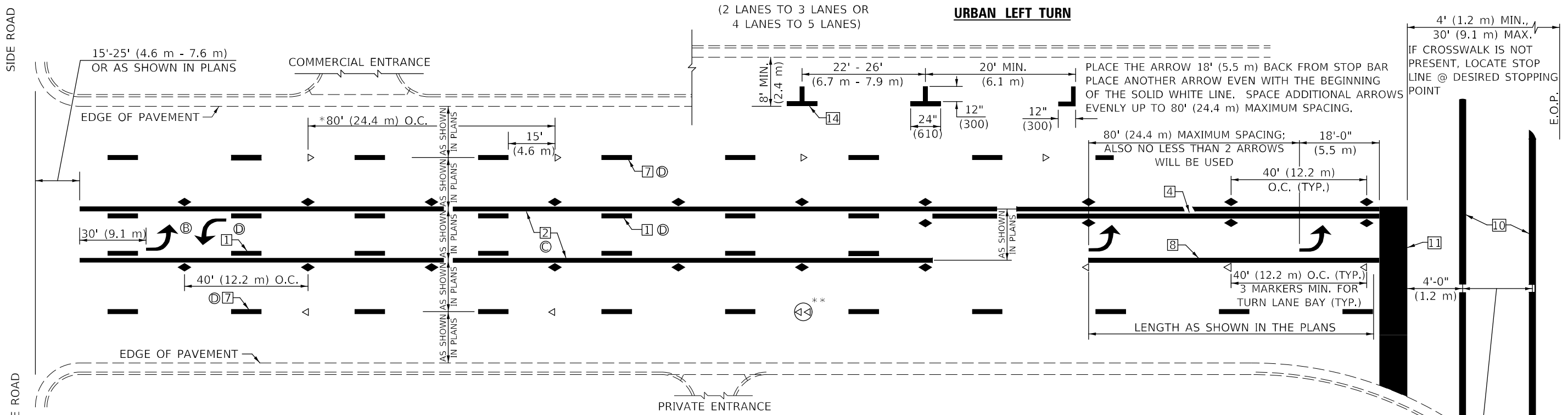
MAILBOX TURNOUT (RURAL)

DISTRICT 5 DETAIL NO. 40800050B

USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 12/2006 TJB
	DRAWN -	REVISED - 9/2007 KAG
PLOT SCALE = 40,0000 * 1/4"	CHECKED -	REVISED - 8/2022 JWS
PLOT DATE = 1/17/2023	DATE -	REVISED -

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(89-15)I	CHAMPAIGN	15	11
CONTRACT NO. 70G23			ILLINOIS FED. AID PROJECT	

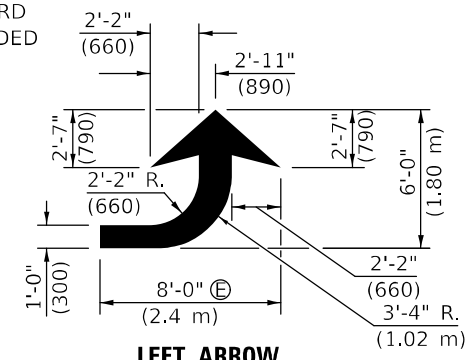


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

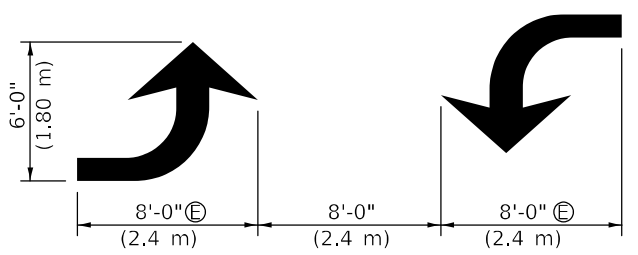
GENERAL NOTES:

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



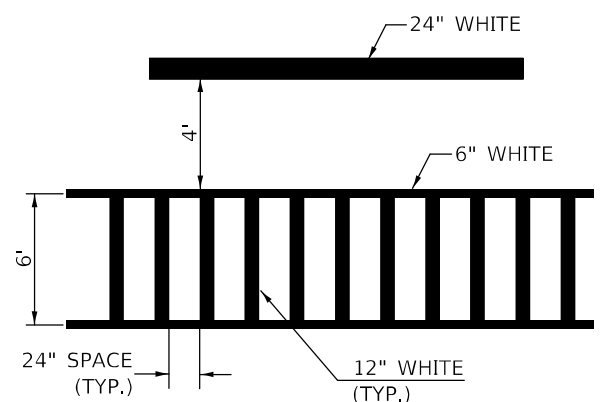
LEFT ARROW

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

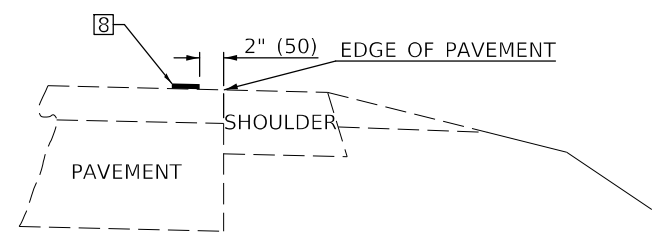


TYPICAL DOUBLE TURN ARROWS (WHITE)

BLOOMINGTON-NORMAL CITY LIMITS ONLY

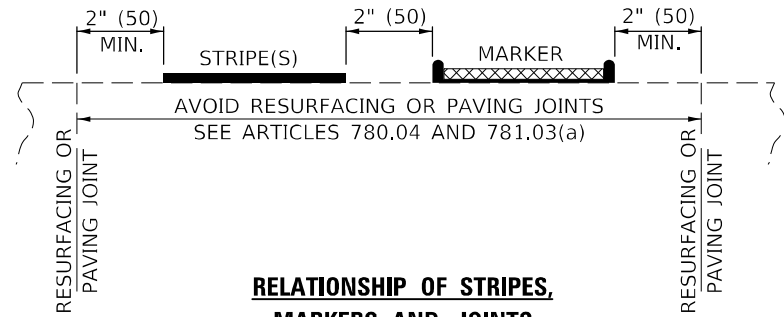


TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF 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: I:\MODEL\MARKS FILE: MARKS_PAVEMENT.dwg DATE: 1/17/2023 PROJECT: I:\PROJECTS\70G23\CADD\DATA\CAD\PROJECTS\70G23-PAVEMENT.dwg

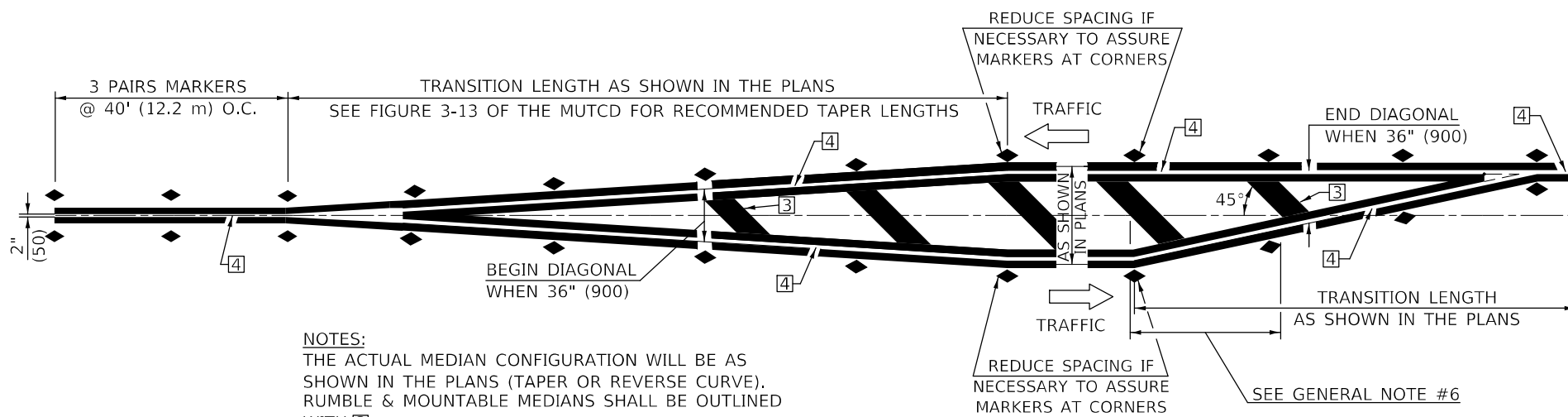
USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 4/2014 JLA
	DRAWN -	REVISED - 3/2019 SWN
PLOT SCALE = 40,0000 */ in.	CHECKED -	REVISED - 8/2022 JLA
PLOT DATE = 1/17/2023	DATE -	REVISED - 9/2022 JWS

**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.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(89-15)I	CHAMPAIGN	15	13
			CONTRACT NO. 70G23	
			ILLINOIS FED. AID PROJECT	

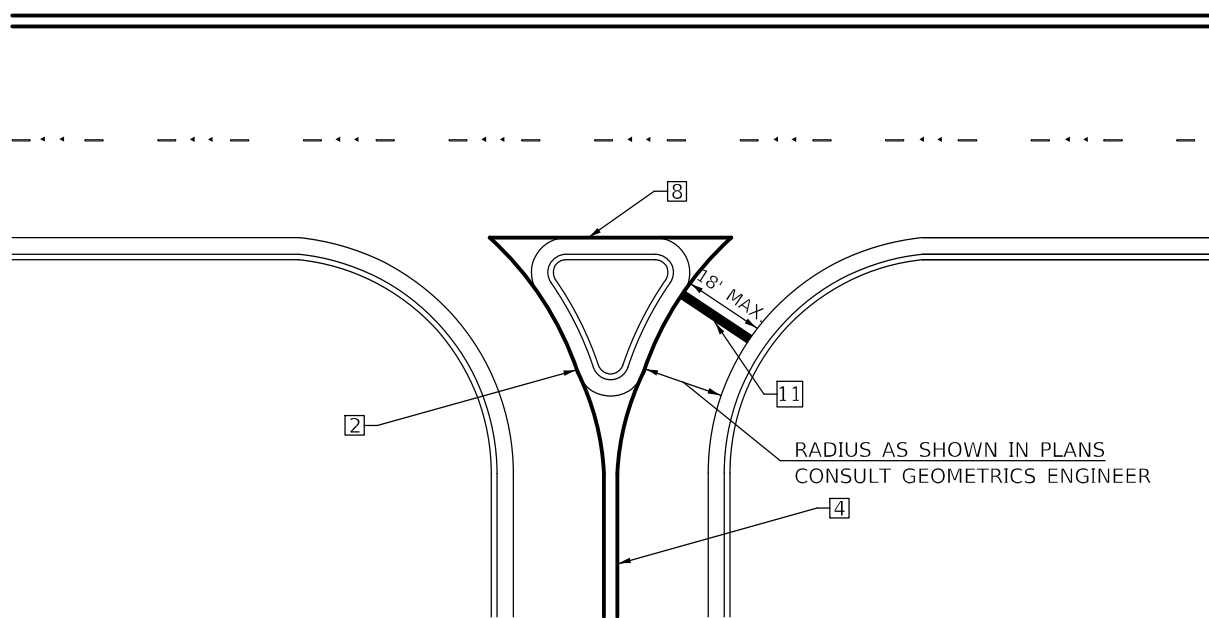


NOTES:
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE). RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

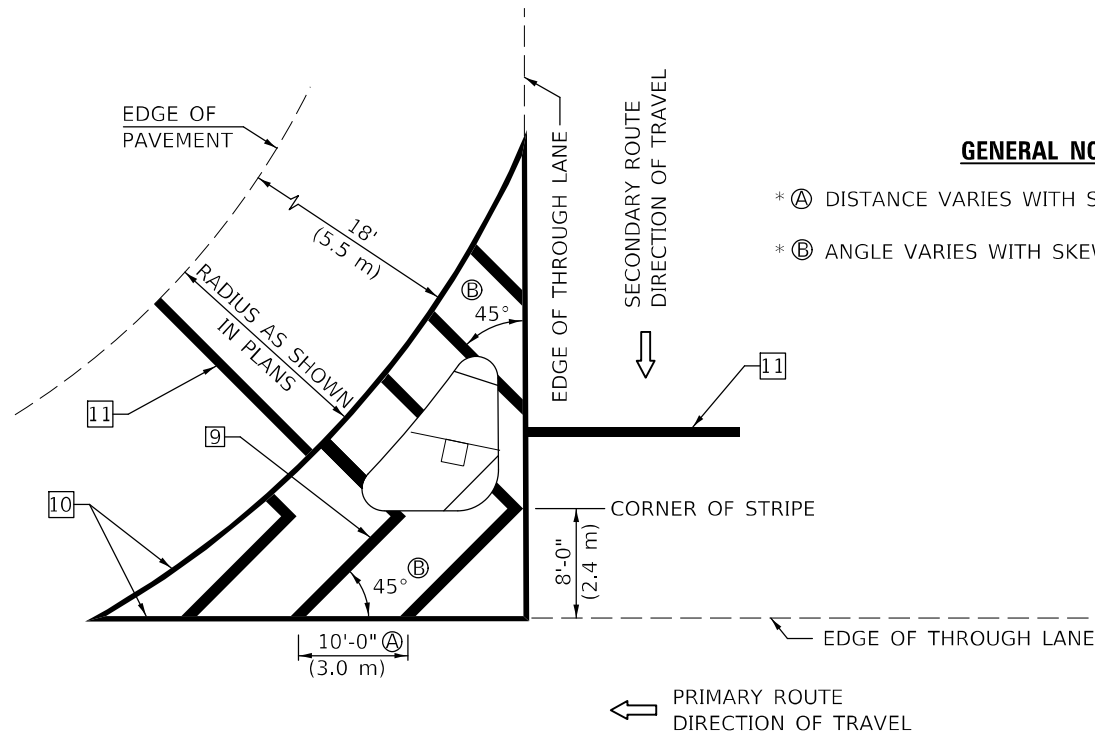
TYPICAL MEDIAN TRANSITIONS

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.

* FOR RIGHT TURN LANE AND ISLAND STRIPING CONSULT GEOMETRICS ENGINEER.

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

MODEL: I:\MODEL MARKS FILE: MARKS_PAVEMENT.PLA: 1/17/2023 10:00:00 AM PROJECT: I:\PROJECTS\70G23\CADD\DATA\CAD\FILES\70G23-PAVEMENT.DWG

USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 4/2014 JLA
	DRAWN -	REVISED - 3/2019 SWN
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED - 8/2022 JLA
PLOT DATE = 1/17/2023	DATE -	REVISED - 9/2022 JWS

**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.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(89-15)I	CHAMPAIGN	15	14
			CONTRACT NO. 70G23	
ILLINOIS FED. AID PROJECT				

