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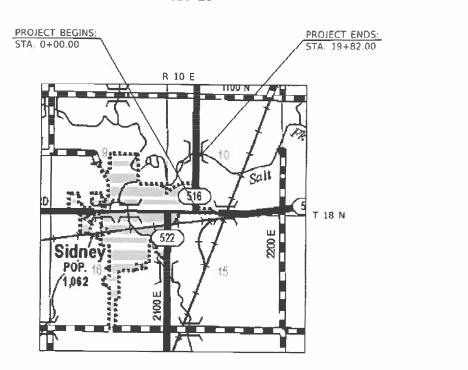
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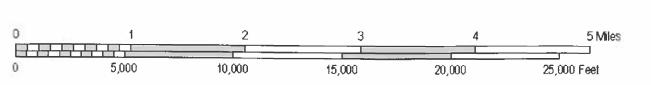
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

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

C-95-023-23





GROSS LENGTH = 1982.00 FT. = 0.375 MILE

NET LENGTH = 1982.00 FT. = 0.375 MILE

CURRENT TRAFFIC DATA FAS 516 ADT (2022) PV % SU % MU % LEG "A" = 725 91.8 4.1 4.1 TRAFFIC DATA LOCATIONS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR SUMMARY OF QUANTITIES, SEE SHEET NO.3

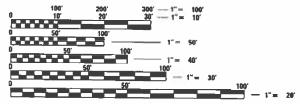
LEG "A" = FROM SALT FORK RIVER TO MAIN ST IN SIDNEY

FUNCTIONAL CLASSIFICATION

MAJOR COLLECTOR (RURAL)

DESIGN DESIGNATION

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.

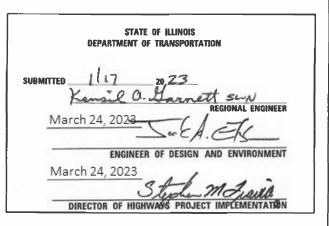
J.U.L.I.E. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS 1–800–892–0123 OR 811

PROJECT ENGINEER: JASON STULTS
PROJECT MANAGER: GREG EAGLIN
PROJECT DESIGNER: TITUS MOOD
PHONE: 217–465–4181

CONTRACT NO. 70G23

D-95-011-23





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS
2	LIST OF HIGHWAY STANDARDS
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	EXISTING AND PROPOSED TYPICAL CROSS SECTIONS
5 - 6	SCHEDULE OF QUANTITIES
7 - 8	PLAN SHEETS
9 - 10	DETAIL FOR PRIVATE COMMERCIAL ENTRANCES (NONCOMMERCIAL & COMMERCIAL RURAL)
11	DETAIL FOR MAILBOX TURNOUT (RURAL)
12 - 15	DETAIL FOR PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

LIST OF HIGHWAY STANDARDS

STANDARD NO.	NAME OF STANDARD
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m; TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

G.N.-100A

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

G.N. - 406H

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION	ST. JOE RD.
MIXTURE USE	SURFACE
	MAINLINE & INCIDENTAL
AC/PG	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=50
MIX COMP(GRADATION)	IL 9.5
FRICTION AGGREGATE	MIX "C"
MIXTURE WEIGHT	112
QUALITY MANAGEMENT	OC/OA
PROGRAM	QC/QA
SUBLOT SIZE	3000
MATERIAL TRANSFER DEVICE	NO

G.N. 406S

PROJECT POSTED SPEED LIMITS

THE FOLLOWING TABLE IS A LISTING OF POSTED SPEED LIMITS WITHIN THE PROJECT LIMITS. THE ENGINEER SHALL FIELD VERIFY THESE LIMITS:

LOCATION	STATION	ТО	STATION	POSTED SPEED		
				LIMIT (MPH)		
FAS 516 (ST JOSEPH RD)	0+00.00		19+82.00	45		

G.N. 440 (SPECIAL)

THE MILLINGS FROM THE TOP 3/4" "PLASTICIZED HMA SEAL" WILL BE CLASSIFIED AS NON-QUALITY RECYCLED ASPHALT PAVEMENT AND WILL BE UNACCEPTABLE FOR USE AS RAP IN HMA.

G.N.-703A

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

G.N. - 781

THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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pw://ildot.pw.bentley.com.PWIDOT\Documents\IDOT Offi

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAS 516 / (ST JOE RD)

RURAL 2 LANE CHAMPA I GN

STA. 0+00.00 TO

STA. 19+82.00

TOTAL

FUNDING BREAKOUT: 100% STATE

CONSTRUCTION CODE: 0005

COUNTY:

LOCATION OF WORK:

FAS 516 / (ST JOE RD) RURAL 2 LANE

CHAMPAIGN

STA. 0+00.00

TO STA. 19+82.00

FUNDING BREAKOUT: 100% STATE

CONSTRUCTION CODE:

COUNTY:

0005

TOTAL

CODE NO	<u>ITEM</u>	<u>UNIT</u>	<u>QUANT I TY</u>
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, IL-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

	CODE NO	<u>ITEM</u>	<u>UNIT</u>	QUANTITY
	67100100	MOBILIZATION	L SUM	1.0
	70400450			
	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

SCALE:

* SPECIALTY ITEM

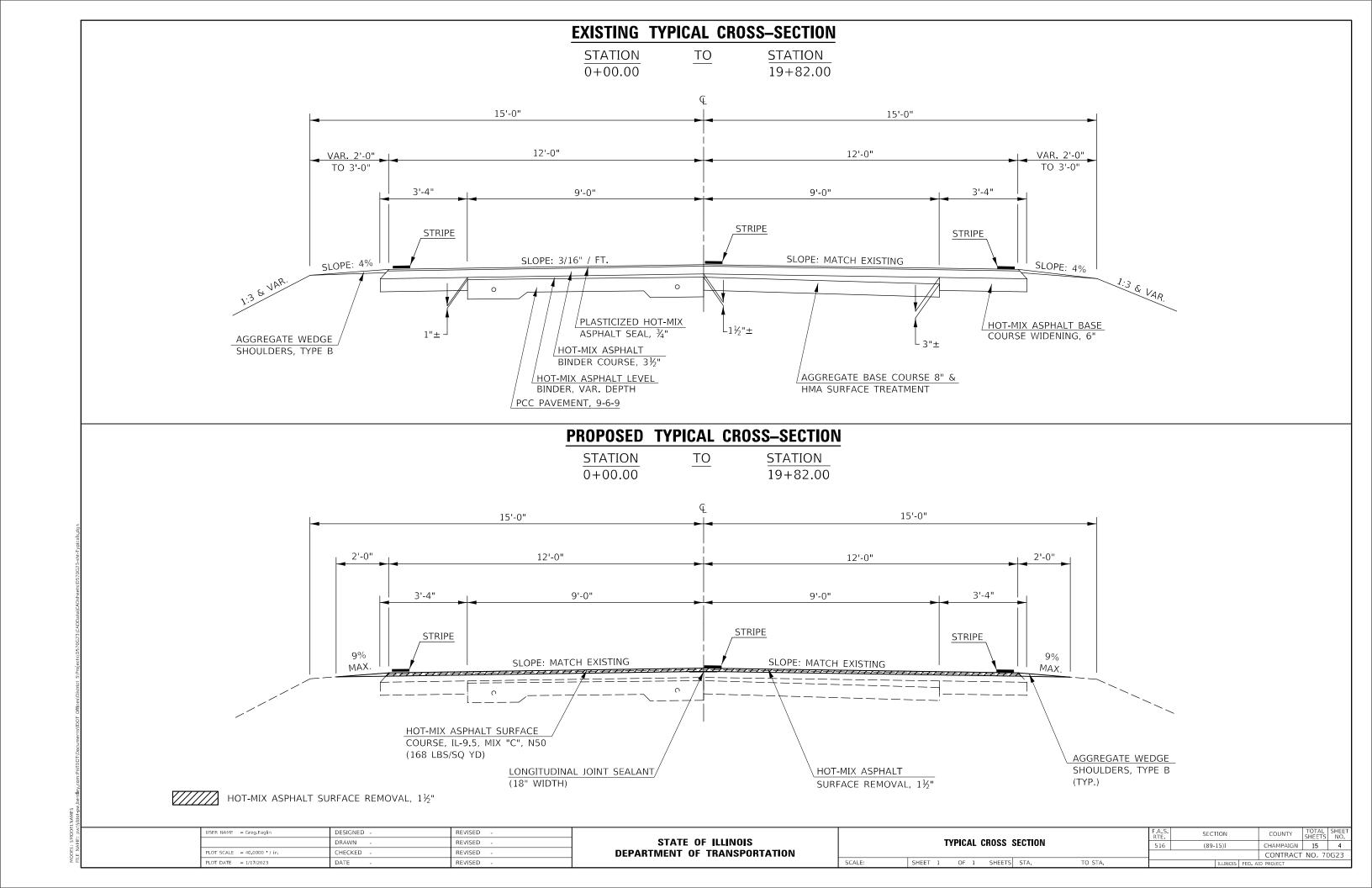
USER NAME = Greg.Eaglin DESIGNED -REVISED DRAWN REVISED CHECKED REVISED PLOT DATE = 1/17/2023 REVISED DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES SHEET 1 OF 1 SHEETS STA. TO STA.

COUNTY TOTAL SHEET NO.

CHAMPAIGN 15 3 SECTION 516 (89-15)I CONTRACT NO. 70G23



SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT SCHEDULE

										44000155	40600370	40600290	40604050
									HMA	HMA SURFACE	LONGITUDINAL	BITUMINOUS	HOT-MIX ASPHALT
	LOCA	TION	STATION	ТО	STATION	LENGTH	AVERAGE	AREA	SURFACE	REMOVAL,	JOINT	MATERIALS	SURFACE COURSE
							WIDTH		THICKNESS	1-1/2"	SEALANT	TACK COAT	IL 9.5, MIX "C", N50
						(FT)	(FT)	(SQ YD)	(INCHES)	SQ YD)	(FOOT)	(POUND)	(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

				_	X4400196	35800100	40800029	40800050	
	STATION	DESCRIPTION	PROPOSED	INCIDENTAL	HMA SURFACE	FREPARATION	BITUMINOUS	INCIDENTAL	COMMENTS
			AREA	НМА	REMOVAL,	OF BASE	MATERIALS	HMA	
				THICKNESS	SPECIAL		TACK COAT	SURFACING	
			(SQ YD)	(INCHES)	(SQ YD)	(SQ YD)	(POUND)	(TON)	
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' <u>P.E. W/ M</u> .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	20.00	2:4.20	12.42	
				_	447.00	29.00	214.20	42.42	4
				USE =	447.00	29.00	215.00	43.00	1
					SQ YD	SQ YD	PCUND	TON	

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2023	DATE -	REVISED -

							F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULE OF QUANTITIES							516	(89-15)I	CHAMPAIGN	15	5
									CONTRACT	NO. 70)G23
SHEET	1	OF	2	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

SCHEDULE OF QUANTITIES

70300100 SHORT TERM PAVEMENT MARKING

70300150 SHORT TERM PAVEMENT MARKING REMOVAL

_		_	_		_	70300100	_		70300150
LOCATION			STATION	ТО	STATION	QUANTITY	APPLY	COLOR	QUANTITY
						(FT)	AFTER		(SQ FT)
	T	Ta		_	10.00.00			T	
N.B.	FAS 516	SKIP-DASH	0+00.00		19+82.00	408.00	MILLING & HMA SURFACE	YELLOW	68.00
					TOTAL =	408.00		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	WIDTH	AVE. DEPTH	QUANTITY
						(FT)	(FT)	(INCHES)	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	
	L(OCATION	STATION	TO	STATION	QUANTITY	COLOR
						(FT)	
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	WHITF
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	QUANTITY
			<u>L</u>			(FT)	(EACH)
<u></u>	[FAC F1C	TCKID DACII	T 0.0000	1	10 + 02 00	1002.00	26.00
C.L.	FAS 516	SKIP DASH	0+00.00		19+82.00	1982.00	26.00
						TOTAL =	26.00
							EACH

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2023	DATE -	REVISED -

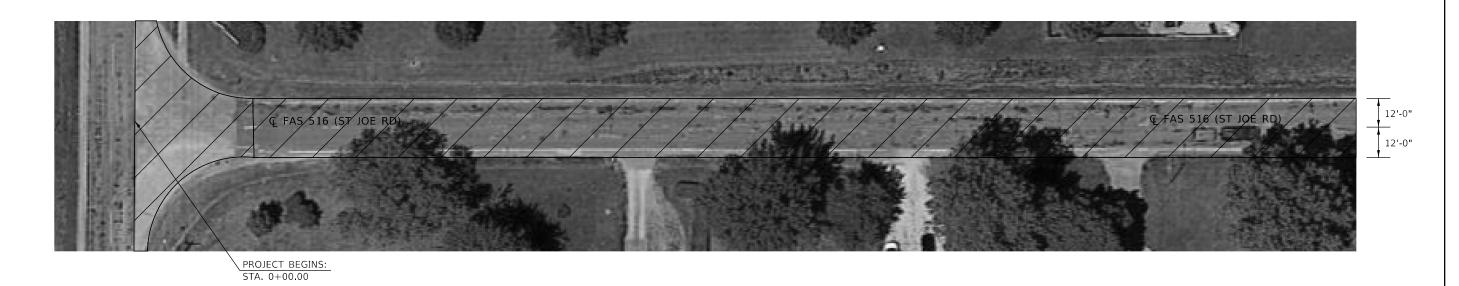
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

							F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	SCHEDULE OF QUANTITIES								(89-15)I	CHAMPAIGN	15	6
									CONTRACT	NO. 70)G23	
	SHEET	2	OF	2	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

benney, contravido no contrems (DOTO). Others positical aprio jects (DAZO) co za (CADD) refisio a 700 za 25 in

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





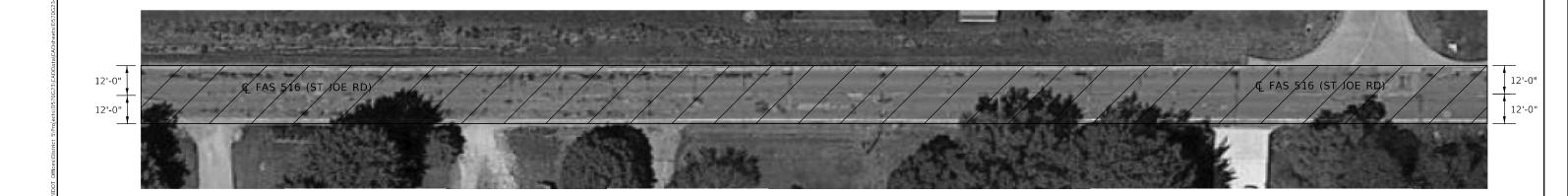
HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"

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

NOT TO SCALE

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

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

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

NOT TO SCALE

USER NAME = Greg,Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

			_		F.A.S. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
PLAN SHEET						(89-15)I		CHAMPAIGN	15	7
								CONTRACT	NO. 70)G23
SHEET 1	OF 2	SHEETS	STA	TO STA		TILLINOIS	EED A	ID PROJECT		

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





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

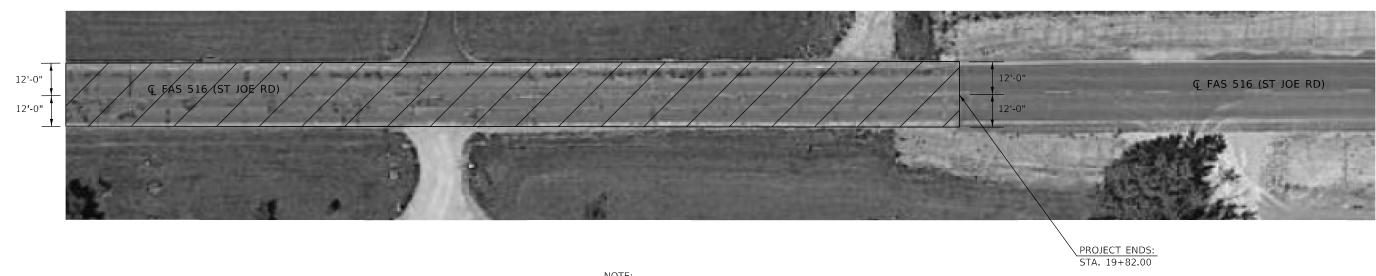
NOTE:
SEE SCHEDULES FOR INCIDENTAL HOT-MIX
ASPHALT SURFACING AT ENTRANCES.

NOT TO SCALE

NOT TO SCALE

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





JSER NAME = Greg.Eaglin

PLOT SCALE = 40.0000 ' / in.

PLOT DATE = 1/17/2023

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

DESIGNED

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

MODEL: \$MODELNAMES

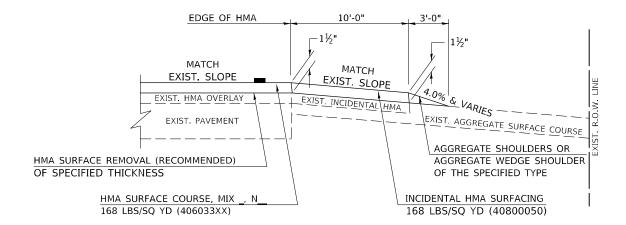
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DATE	REVISED	

REVISED

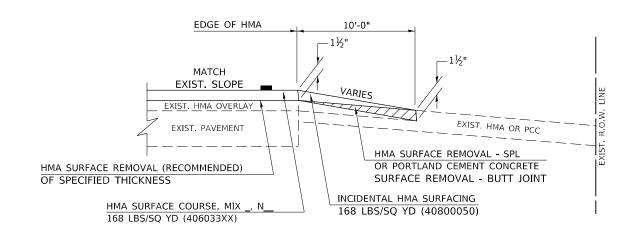
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS (POLICY RESURFACING; BDE 53–4.03; $1\frac{1}{2}$ ")

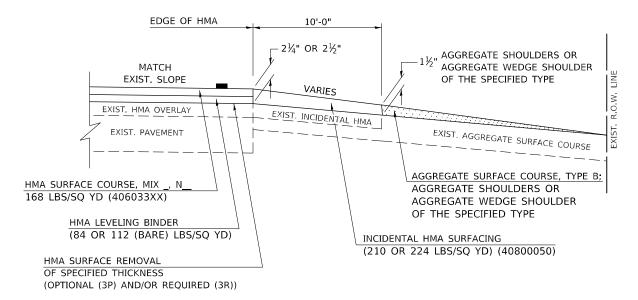


EXISTING AGGREGATE ENTRANCE

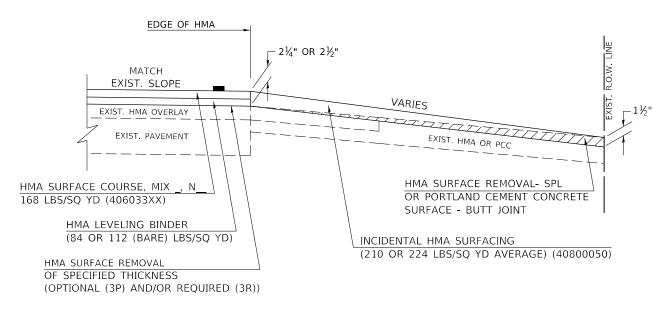


EXISTING HMA OR PCC ENTRANCE

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



EXISTING AGGREGATE ENTRANCE



EXISTING HMA OR PCC ENTRANCE

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

DISTRICT 5 DETAIL NO. 408000)50C	
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DRAWN REVISED 05/08 KJT HECKED REVISED

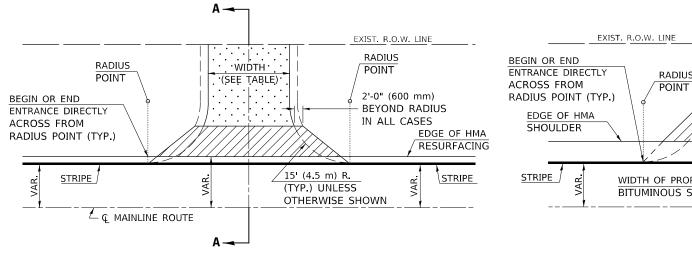
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PRIVATE COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL) SHEET 1 OF 2 SHEETS STA.

SECTION (89-15)I CHAMPAIGN 15 9 CONTRACT NO. 70G23

DESIGNED 09/07 KAG JSER NAME = Greg.Eaglin REVISED PLOT DATE = 1/17/2023 3/6/17 SWN DATE REVISED

PROJECTS WITH RECONSTRUCTION AGGREGATE ENTRANCE (3R IMPROVEMENTS) EXIST. R.O.W. LINE EXIST. R.O.W. LINE RADIUS BEGIN OR END HMA OR PCC ENTRANCE WIDTH (SEE TABLE)



AGGREGATE SURFACE

COURSE TYPE B, 6"

INCIDENTAL HMA SURFACING

SHALL BE THE SAME THICKNESS

AS THE ADJACENT BITUMINOUS

RESURFACING (252 OR 280 LBS/SQ YD)

REVISED

REVISED

REVISED

REVISED

09/07 KAG

05/08 KJT

04/10 KJT

3/6/17 SWN

TYPICAL APPLICATION

10'-0"

- 2¼" OR 2½"

SECTION A-A

DESIGNED -

HECKED

DRAWN

DATE

EDGE OF HMA

RESURFACING

STRIPE

AGGREGATE BASE

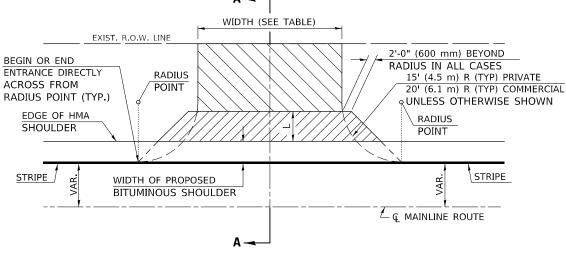
JSER NAME = Greg.Eaglin

PLOT SCALE = 40.0000 '/ in.

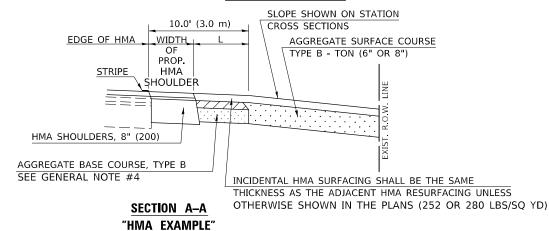
PLOT DATE = 1/17/2023

COURSE, TYPE B, 6"

SEE GENERAL NOTE #4



TYPICAL APPLICATION



SCALE:

			RIII	RAI FNTE	RANCE DI	ESIGN ST	ANDARD	S (PPM 4	IN - 09)					
		NE			3R with CO			70 (1 1 101 -	· · · · · · · · · · · · · · · · · · ·	BR w/out RE	CONSTRUC	CTION, 3P, S	SMART & C	M
		NOI	NCOMMERC	CIAL					NONCOMMERCIAL					
				FIELD \	N/FARM									
	PR	IVATE & FII	ELD	IMPLE	MENTS	COMMERCIAL		PRIVATE & FIELD			COMMERCIAL			
DESIGN ELEMENT	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.
						1	LANE, 1 W	AY		1 LANE, 1 WAY			ΑY	
SURFACE WIDTH (FT)	12	16	24	24	30	14	16	24						
						2	LANE, 2 W	AY				2	LANE, 2 WA	ΑY
						24	30	35						
RADIUS (FT)	15	25	40	30		20	30	50	resurface	existing cor	nfiguration; e	existing aggr	egate or ear	th
SHOULDER WIDTH (FT)	2	2		2		1	3		entrances	s shall have	the continua	ition of aggre	egate shou l d	ders
SHOULDER SLOPE (%)	2	4	6	4		2	4	6	placed be	hind them				
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		2		2		2 - 1			taper from	hma resurfa	cing thickne	ess (2 1/2", 2	1/4" or 1 1/	2")
SURFACING (INCH)		2		2		3 or 4			to 1 1/2" to	minimize aç	ggregate sh	oulder		
AGGREGATE SURFACE		6		6					if applicabl	e, use items	: Preparatio	n of Base &	Aggregate	
COURSE, TYPE B (INCH)		6		6		8			Base Repa	air, see PPM	30-02			
PCC DRIVEWAY		6						6 0 7 0						
PAVEMENT (INCH)		6						6 or 8						

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

- 1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
- 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
- 5. ENTRANCES WHERE NONE NOW EXISTS.
- 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.

DISTRICT	5	DETAIL	NO.	40800050C

PRIVATE COMMERCIAL ENTRANCES	F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
(NONCOMMERCIAL AND COMMERCIAL RURAL)	516	(89-15)I	CHAMPAIGN	15	10
(NONCOMMENCIAL AND COMMENCIAL NOMAL)			CONTRACT	NO. 70)G23
CHEET 3 OF 3 CHEETC CTA TO CTA					

PROJECTS WITHOUT RECONSTRUCTION

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

ARRIVAL SIDE

1'-0"

(300)

RELOCATED

TRAFFIC FLOW

TYPICAL APPLICATION

+ MAILBOX

NORMAL

6" (150) MIN.

DEPARTURE SIDE

20' (6.1 m) MIN. UNLESS

20' (6.1 m) MIN.

UNLESS OTHERWISE SHOWN IN THE PLANS

Y=LENGTH OF

INC. HMA SURFACING

8'-0" (2.4 m) MIN. DESIRABLE

NOTE #6

SECTION A-A

SEE GENERAL

OTHERWISE SHOWN IN

THE PLANS

EDGE OF HMA

RESURFACING

STRIPE \

EDGE OF HMA

RESURFACING

STRIPE

AGGREGATE BASE COURSE, TYPE B
SEE GENERAL NOTE #2

INCIDENTAL HMA SURFACING
SHALL BE THE SAME THICKNESS
AS THE ADJACENT HMA RESURFACING

(3 m

(3 m)

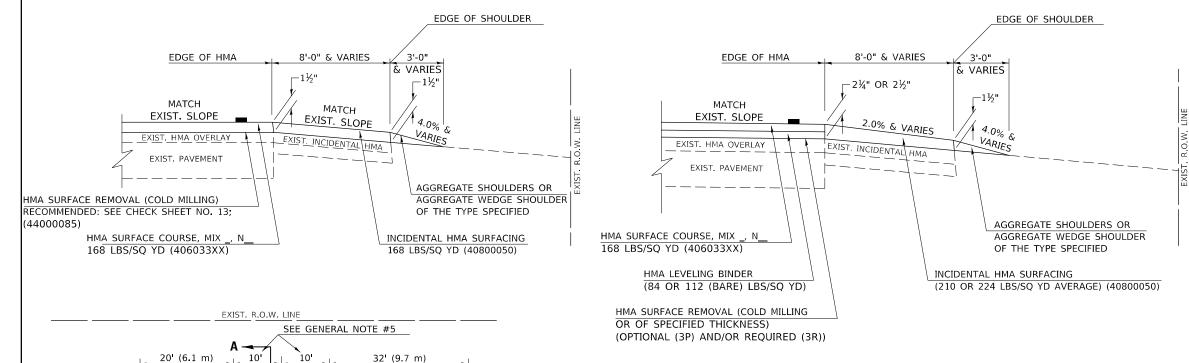
"3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2½" OR 2½" ON BARE CONCRETE)

4'-0" - 8'-0"

(1.2 m - 2.4 m)

10'-0"

(3.0 m)



EDGE OF

STRIPE

SHOULDER

PROJECTS WITH RECONSTRUCTION

("3R" IMPROVEMENTS)

•	WIDTH OF TURNOUT	8'-0" (2.4 m)	8'-0" - 10'-0" (2.4 m - 3.0 m)	
SEE GENERAL NOTE #5 O O O O O O O O O O O O O O O O O O O	SEE GENERAL NO	32' (9.7 m) RRIVAL SIDE	EDGE OF SHOULDER EDGE O RESURF	F HMA_
STRIPE 20' (6.1 m) MIN. UNLESS OTHERWISE SHOWN IN THE PLANS NORMAL ENTRANCE FLARE NORMAL FLARE NORMAL FLARE		FIC FLOW	\STRIPE	
TYPICAL MAILBOX TURNOUT P ADJACENT TO ENTRAN				

WIDTH OF SHOULDER

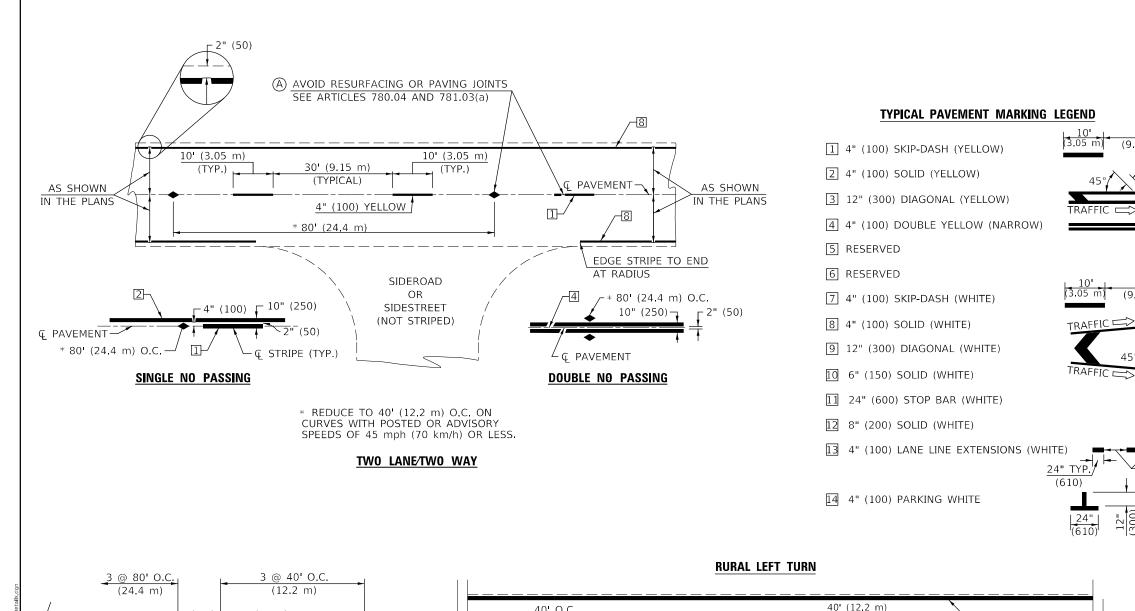
GENERAL NOTES

- 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.

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

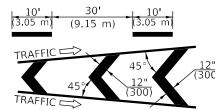
DISTRICT	5	DETAIL	NO	. 40800050B	

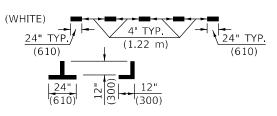
USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 12/2006 TJB				F.A.S.	SECTION	COUNTY TOTAL SHEET
	DRAWN -	REVISED - 9/2007 KAG	STATE OF ILLINOIS		MAILBOX TURNOUT (RURAL)	516	(89-15)I	CHAMPAIGN 15 11
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED - 8/2022 JWS	DEPARTMENT OF TRANSPORTATION					CONTRACT NO. 70G23
PLOT DATE = 1/17/2023	DATE -	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED.	AID PROJECT

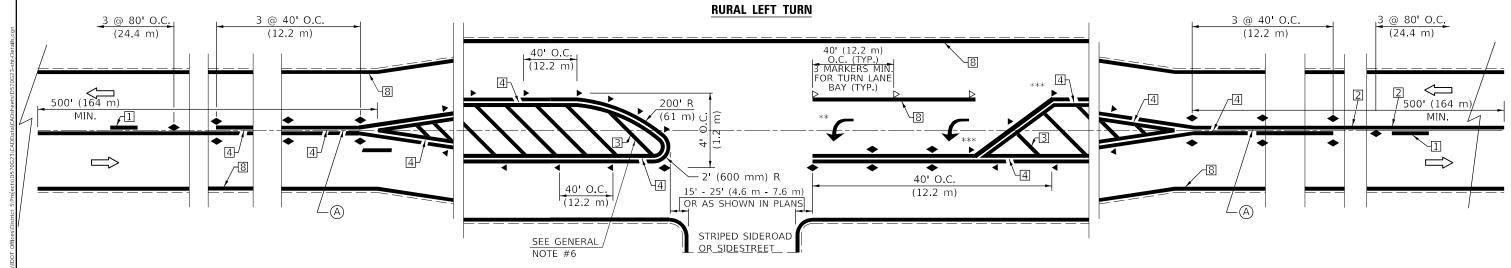


TYPICAL PAVEMENT MARKERS LEGEND

- TWO-WAY AMBER MARKER
 - ONE-WAY AMBER MARKER
 - ONE-WAY CRYSTAL MARKER
- <
 □ TRAFFIC **⊢** 2" (50) 🟪 6" (150) CTS.







- *** 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.

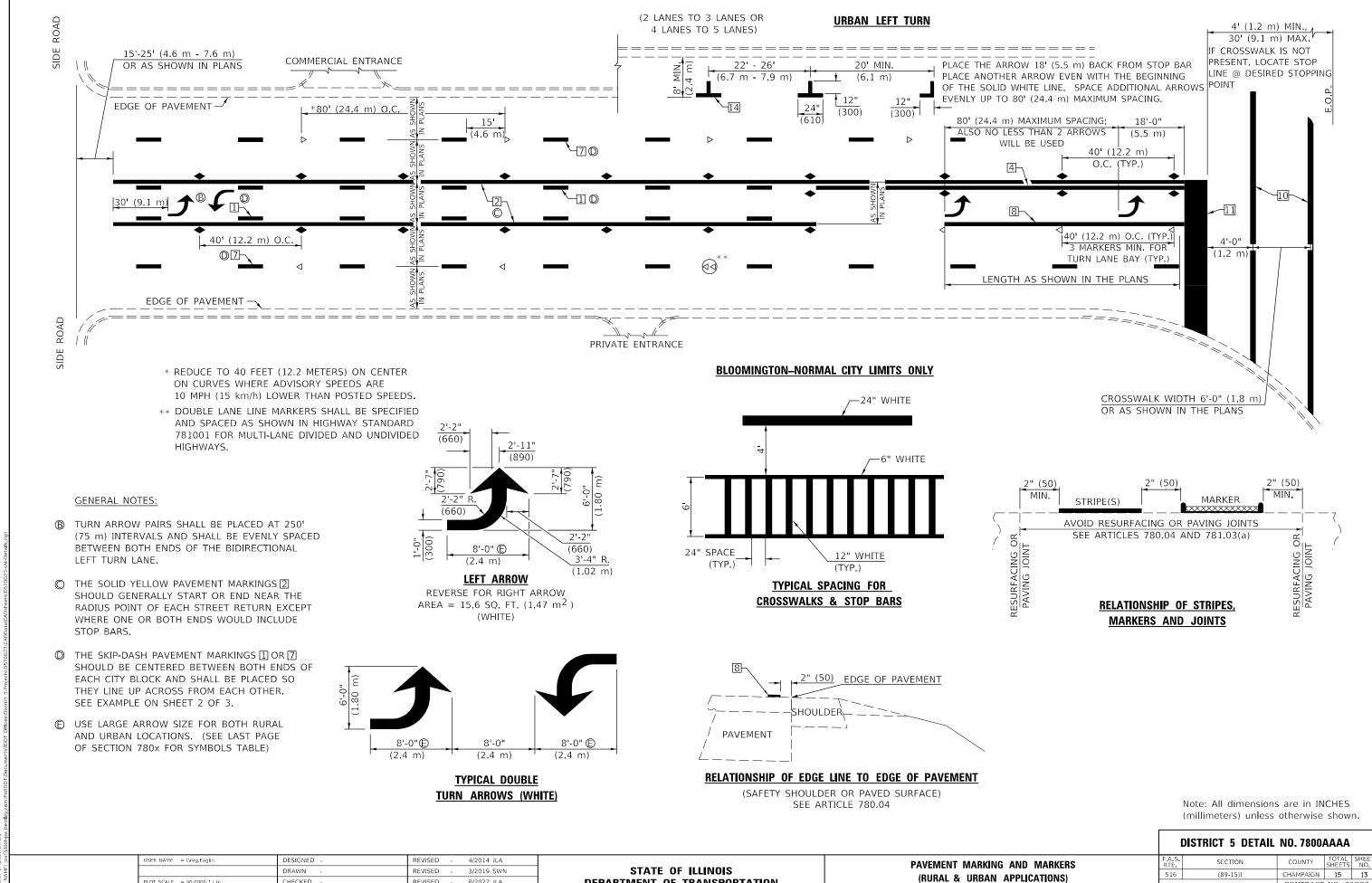
I	DISTRICT 5 DETAIL	NO. 7800	AAAA	
A.S. TE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
16	(89-15)I	CHAMPAIGN	15	12
		CONTRACT	NO 70	202

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) SHEET 1 OF 4 SHEETS STA.

CONTRACT NO. 70G23



DEPARTMENT OF TRANSPORTATION

SHEET 2 OF 4 SHEETS STA.

TO STA.

CONTRACT NO. 70G23

HECKED

DATE

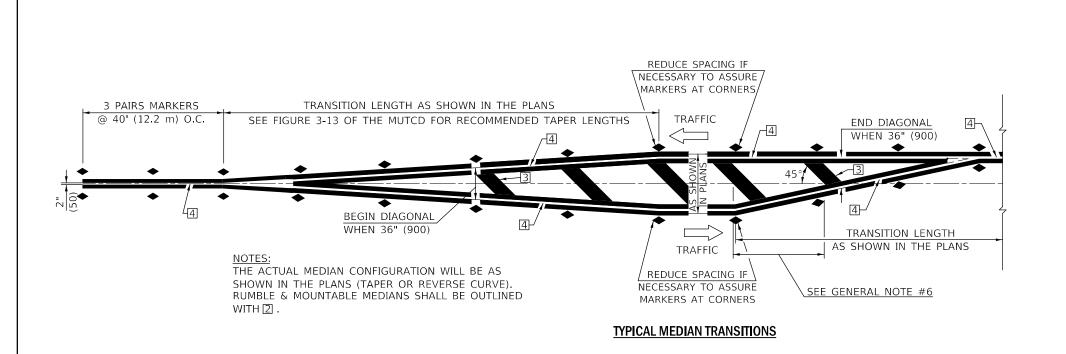
PLOT DATE = 1/17/2023

REVISED

REVISED

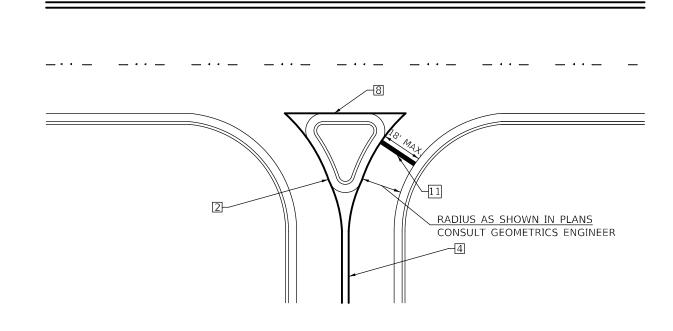
8/2022 JLA

9/2022 JWS

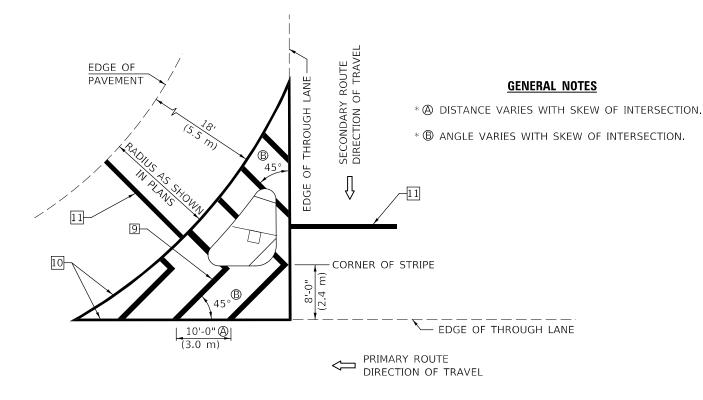


GENERAL NOTES

- 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



<u>ISLAND</u>

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

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

FAS SECTION DESIGNED PRICED ACCOUNT TOTAL				DIST	RICT 5 DETAIL	NO. 7800AAAA	
PAVEMENT MARKING AND MARKERS REF. SECTION COUNTY SHEET	ı.Eaglin	JGNED - REVISED - 4/2014 JLA	DAVESTER DAADURA AND DAADUEDO	F.A.S.	SECTION		1

 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)

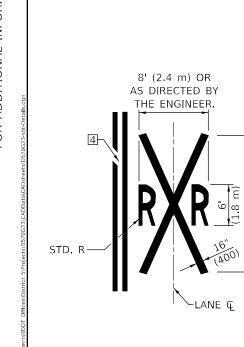
SHEET 3 OF 4 SHEETS STA.

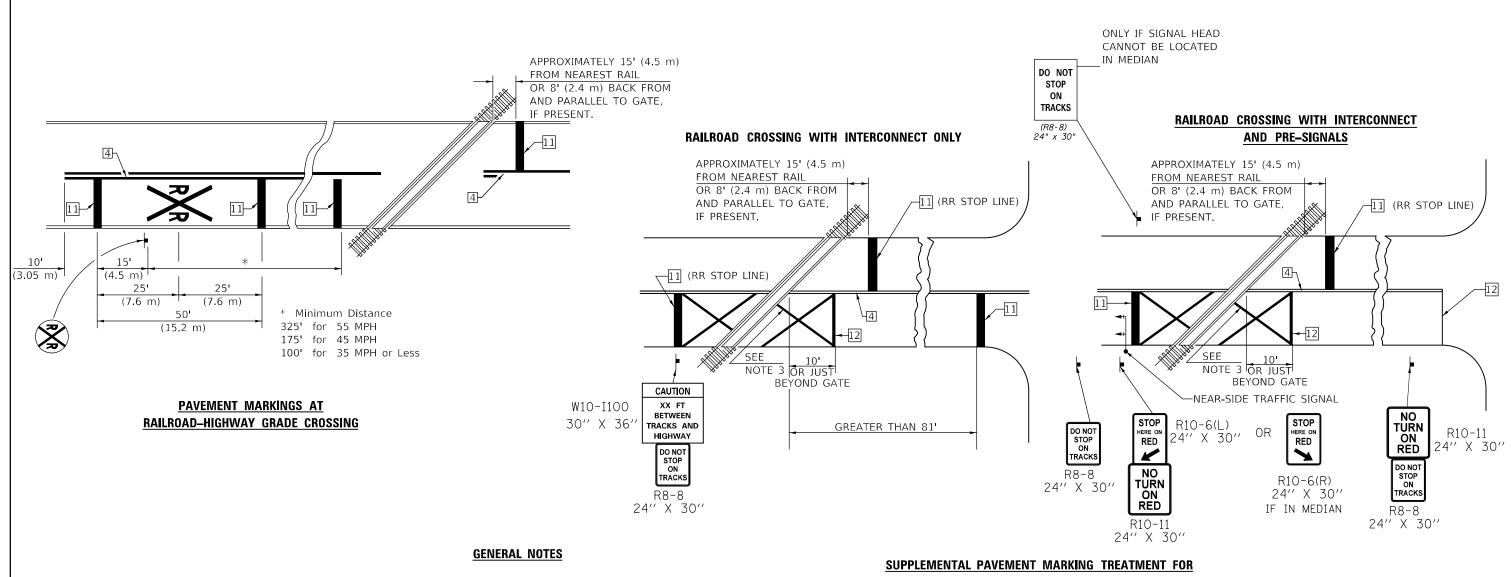
TO STA.

 F.A.S. RTE.
 SECTION
 COUNTY SHEETS NO.

 516
 (89-15)I
 CHAMPAIGN 15
 14

 CONTRACT NO. 70G23





- 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.

RAILROAD-HIGHWAY GRADE CROSSING

ALTERNATE SIGNS





HERE ON RED R10-6a(R)

<u>NOTES</u>

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.

TO STA.

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

DISTRICT 5 DETAIL NO. 7	800AAAA
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JSER NAME = Greg.Eaglin DESIGNED 4/2014 JLA REVISED DRAWN REVISED 3/2019 SWN HECKED REVISED PLOT DATE = 1/17/2023 REVISED 9/2022 JWS DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS) SHEET 4 OF 4 SHEETS STA.

SECTION COUNTY 516 (89-15) CHAMPAIGN 15 15 CONTRACT NO. 70G23