

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(51,52)PP	DE WITT	9	1
		ILLINOIS	CONTRACT NO. 70H23	

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

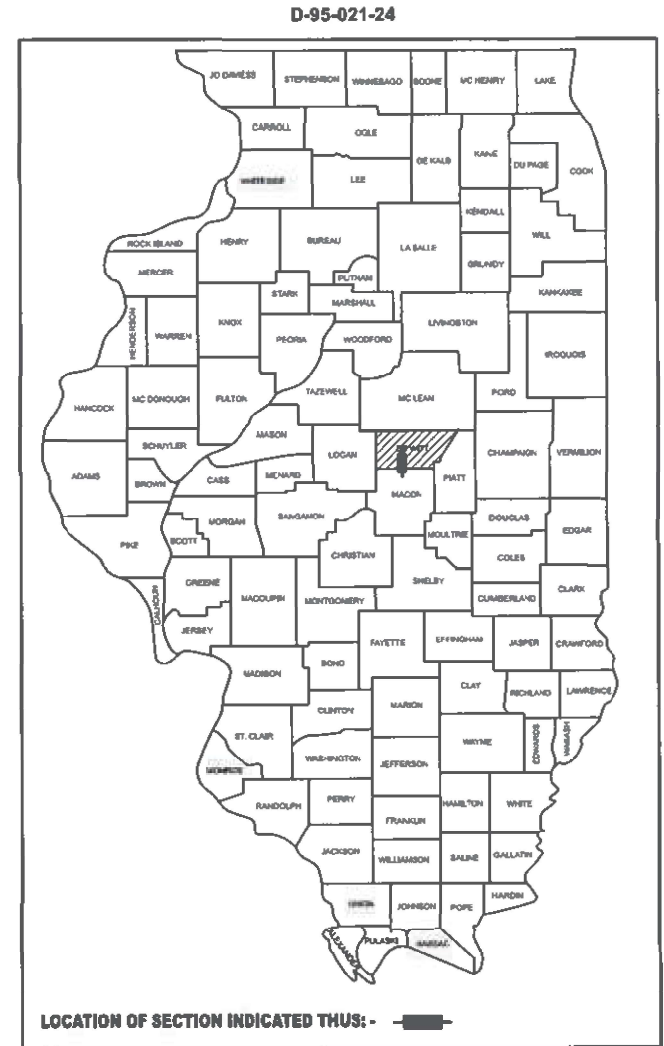
TRAFFIC INFORMATION:

Leg "A"	US 51
2024 ADT =	9,450
2034 ADT =	9,900
2044 ADT =	10,400
2044 AM DHV =	830
2044 PM DHV =	950
P.U. & P.C.% =	84.9
(Bus,6T, & 3A)SU% =	5.6
(All Semi)MU% =	9.5
ADT Max. Dir. Dist. =	55%
Truck Rte. Class. =	Class II
N.H.S. Route (?)	Yes
Functional Class. =	Expressway / Freeway

# PROPOSED HIGHWAY PLANS

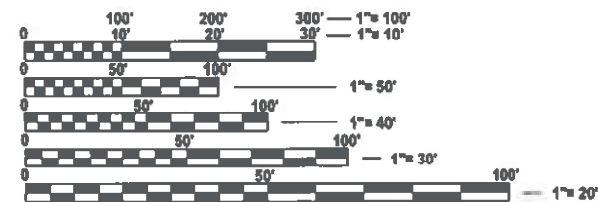
## FAP ROUTE 322 (US 51) NORTHBOUND SECTION (51,52)PP RD- STATE SMART OVERLAY DE WITT COUNTY

0.4 MI S OF TEXAS CHURCH RD TO 0.1 MI N OF OSPUR RD  
0.2 MI S OF LITTLE GALILEE RD TO GULF RD S OF CLINTON



TOWNSHIP:

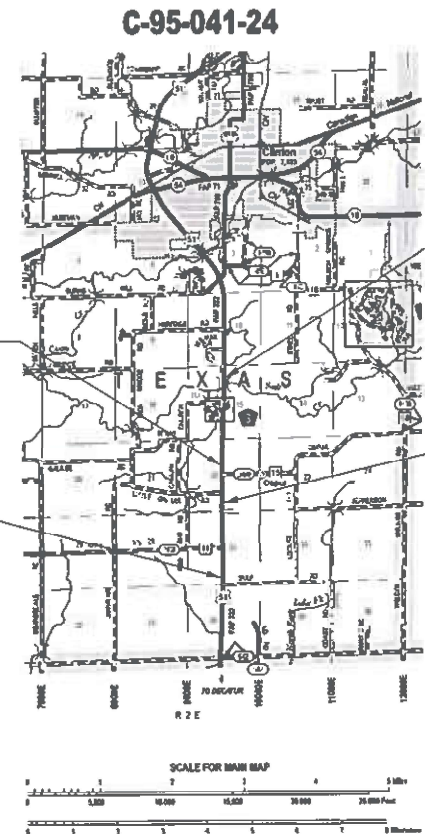
TEXAS



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, P.E.  
SQUAD LEADER: JASON GOBLE  
DESIGNER: MATTHEW MURPHY  
PHONE: (217) 465-4181  
CONTRACT NO. 70H23



RESURFACING OMISSION ENDS:  
0.1 MI N OF OSPUR RD  
STA. 828+56.00

PROJECT BEGINS:  
GULF RD  
STA. 742+50.00

PROJECT ENDS:  
0.4 MI S OF TEXAS CHURCH RD  
STA. 854+17.50

RESURFACING OMISSION BEGINS:  
0.2 MI S OF LITTLE GALILEE RD  
STA. 800+00.00

GROSS LENGTH = 11,167.50 FT. = 2.12 MILES  
NET LENGTH = 8,311.50 FT. = 1.57 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 3/18/2024  
Kamil A. Barnett  
REGIONAL ENGINEER

May 10, 2024 [Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2024 [Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

# IDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS
2	HIGHWAY STANDARDS
2	GENERAL NOTES
2	COMMITMENTS
3	SUMMARY OF QUANTITIES
4	TYPICAL CROSS SECTIONS
5	SCHEDULE OF QUANTITIES
6 - 9	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS) DETAIL

# HIGHWAY STANDARDS

STANDARD	DESCRIPTION
000001-08	STANDARDS SYMBOLS, ABBREVIATIONS, & PATTERNS
001001-02	AREAS OF REINFORCEMENT
001006	DECIMAL OF AN INCH AND OF A FOOT
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-13	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701901-09	TRAFFIC CONTROL DEVICES

# GENERAL NOTES

G.N.-100A  
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

### POSTED SPEED LIMITS

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

STATION	TO	STATION	POSTED SPEED LIMIT (MPH)
742+50.00		854+17.50	65

### G.N.-703A

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

### G.N.-781

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

# COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS PROJECT.

### GN 406H Mixture Requirements Contract: 70H23

Location	F.A.P. 322
Mixture Use	Surface
AC/PG	PG 64-22
Design Air Voids	4.0% @ Ndes=70
Mix Comp(Gradation)	IL 9.5
Friction Aggregate	Mix D
Mixture Weight	112
Quality Management Program	QC/QA
Sublot Size	3000
Material Transfer Device (Required ?)	NO

MODEL: Index Gen Notes (Sheet)  
FILE NAME: c:\p\work\70h23\70h23-sh-GenNotes.dgn

USER NAME = Jason.Goble	DESIGNED - MWM	REVISED -
	DRAWN - JRG	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 2/7/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, GENERAL NOTES,  
HIGHWAY STANDARDS & COMMITMENTS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(51,52)PP	DEWITT	9	1
CONTRACT NO. 70H23				
ILLINOIS FED. AID PROJECT				

LOCATION OF WORK: FAP 322 (US 51)  
RURAL  
EXPRESSWAY  
STA. 742+50.00 TO STA. 854+17.50  
COUNTY: DEWITT  
FUNDING BREAKOUT: STATE 100%  
CONSTRUCTION TYPE CODE: 0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	9,973.0	9,973.0
40600370	LONGITUDINAL JOINT SEALANT	FOOT	8,311.0	8,311.0
40600990	TEMPORARY RAMP	SQ YD	64.0	64.0
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1,862.0	1,862.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	22,163.0	22,163.0
67100100	MOBILIZATION	L SUM	1.0	1.0
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1.0	1.0
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	3.0	3.0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	900.0	900.0
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	297.0	297.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	18,722.0	18,722.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	104.0	104.0
* 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	104.0	104.0
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0	1.0

\* DENOTES SPECIALTY ITEM

MODEL: SOQ-1 [Sheet]  
FILE NAME: c:\p\work\p\work\jason.goble@illinois.gov\09595959\0570H23-sh-SOQ.dgn

USER NAME = Jason.Goble	DESIGNED - MWM	REVISED -
	DRAWN - JRG	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

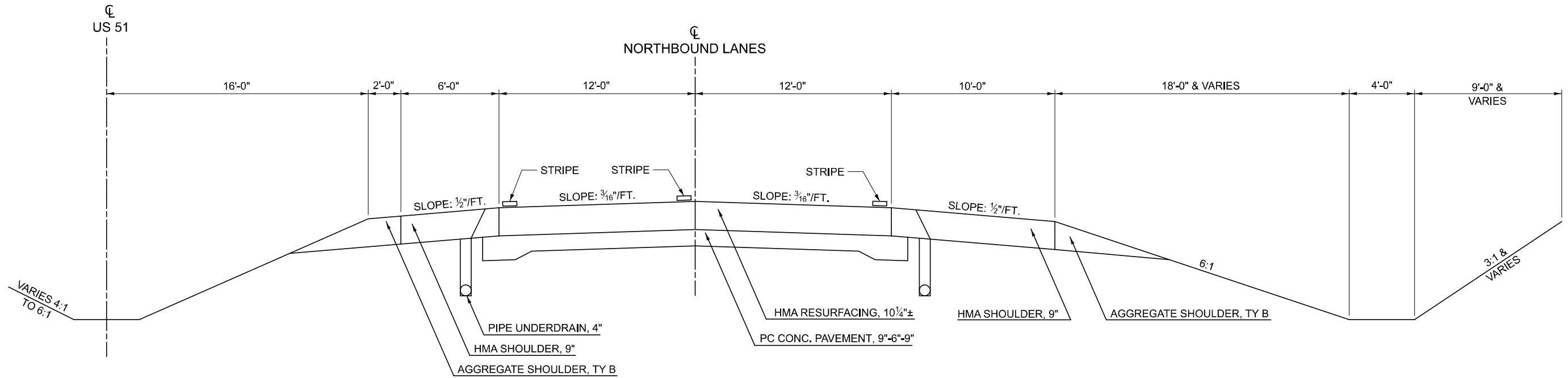
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(51,52)PP	DEWITT	9	1
CONTRACT NO. 70H23			ILLINOIS FED. AID PROJECT	

**EXISTING TYPICAL CROSS SECTION**

**NORTHBOUND LANES ONLY**

STATION 742+50.00 TO STATION 854+17.50

RESURFACING OMISSION:  
STA. 800+00.00 TO STA. 828+56.00

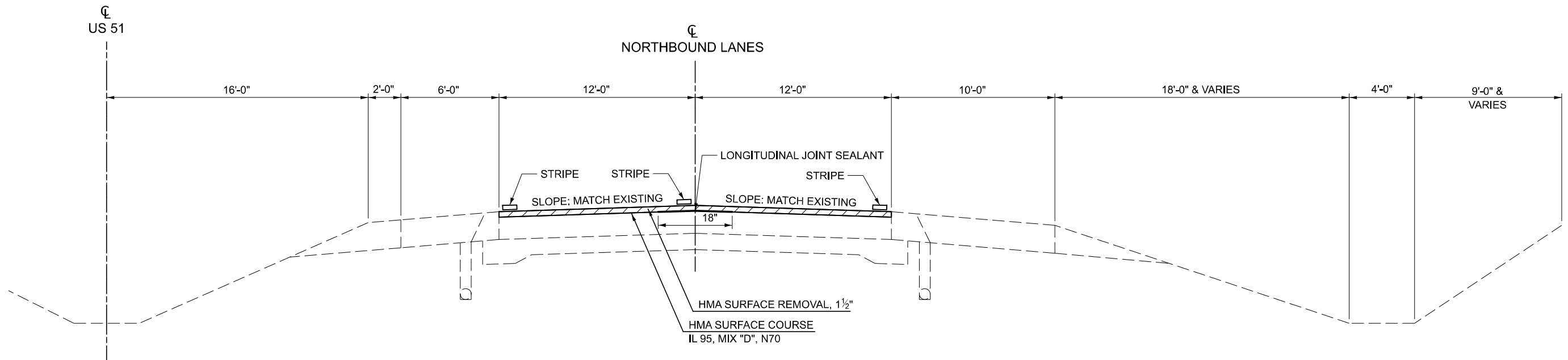


**PROPOSED TYPICAL CROSS SECTION**

**NORTHBOUND LANES ONLY**

STATION 742+50.00 TO STATION 854+17.50

RESURFACING OMISSION:  
STA. 800+00.00 TO STA. 828+56.00



MODEL: Typical Cross Section (Sheet)  
FILE NAME: c:\p\work\70h23\jason.goble\illmod\0959659\0570h23-sh-1-typicals.dgn

USER NAME = Jason.Goble	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 2/21/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS  
U.S. 51 NORTHBOUND LANES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(51,52)PP	DEWITT	9	1
CONTRACT NO. 70H23				
ILLINOIS FED. AID PROJECT				

## SCHEDULE OF QUANTITIES

44000155 HMA SURFACE REMOVAL 1-1/2"  
40600370 LONG JOINT SEALANT  
**\*\*** 40600290 BITUMINOUS MATERIAL TACK COAT  
40604062 HMA SURFACE IL-9.5"D" N70  
40600990 TEMPORARY RAMP

LOCATION	STATION TO STATION	LENGTH	WIDTH	44000155	40600370	**40600290	40604062	40600990
US 51		(FT)	(FT)	SQ YD	FOOT	POUND	1.5 INCH	12FT x 24FT
NORTH BOUND	742+50.00 ~ 800+00.00	5750.00	24.00	15333.33	5750.00	6900.00	1288.00	32.00
NORTH BOUND	828+56.00 ~ 854+17.00	2561.00	24.00	6829.33	2561.00	3073.20	573.66	32.00
		**0.05 LB/SQ FT ON MILLED AREA	(FT)					
TOTAL =				22162.67	8311.00	9973.20	1,861.66	64.00
USE =				22,163	8,311	9,973	1,862	64
				SQ YD	FOOT	POUND	TON	SQ YD

70300100 SHORT TERM PAVEMENT MARKING  
70300150 SHORT TERM PAVEMENT MARKING REMOVAL  
78100100 RAISED REFLECTIVE PAVEMENT MARKER  
78130200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL  
78001110 PAINT PAVEMENT MARKING - LINE 4"

LOCATION	STATION TO STATION	78001110	COLOR	70300100	70300150	78300200	78100100
US 51		QUANTITY		QUANTITY	QUANTITY	QUANTITY	QUANTITY
		FOOT		FOOT	SQ FT	EACH	EACH
LT. EDGE LINE	742+50.00 ~ 800+00.00	5750.0	YELLOW	170.5	56.26	71.875	71.875
RT. EDGE LINE	742+50.00 ~ 800+00.00	5750.0	WHITE	170.5	56.26		
LT. EDGE LINE	828+56.00 ~ 854+17.50	2562.0	YELLOW	77.6	25.62	32.025	32.025
RT. EDGE LINE	828+56.00 ~ 854+17.50	2562.0	WHITE	77.6	25.62		
CT. CENTER LINE SKIP DASH	742+50.00 ~ 800+00.00	1447.5	WHITE	277.8	91.68		
CT. CENTER LINE SKIP DASH	828+56.00 ~ 854+17.50	650.5	WHITE	126.0	41.58		
TOTAL =		18,722.00		900.0	297.0	103.9	103.9
USE =		18,722		900	297	104	104
		FOOT		FOOT	SQ FT	EACH	EACH

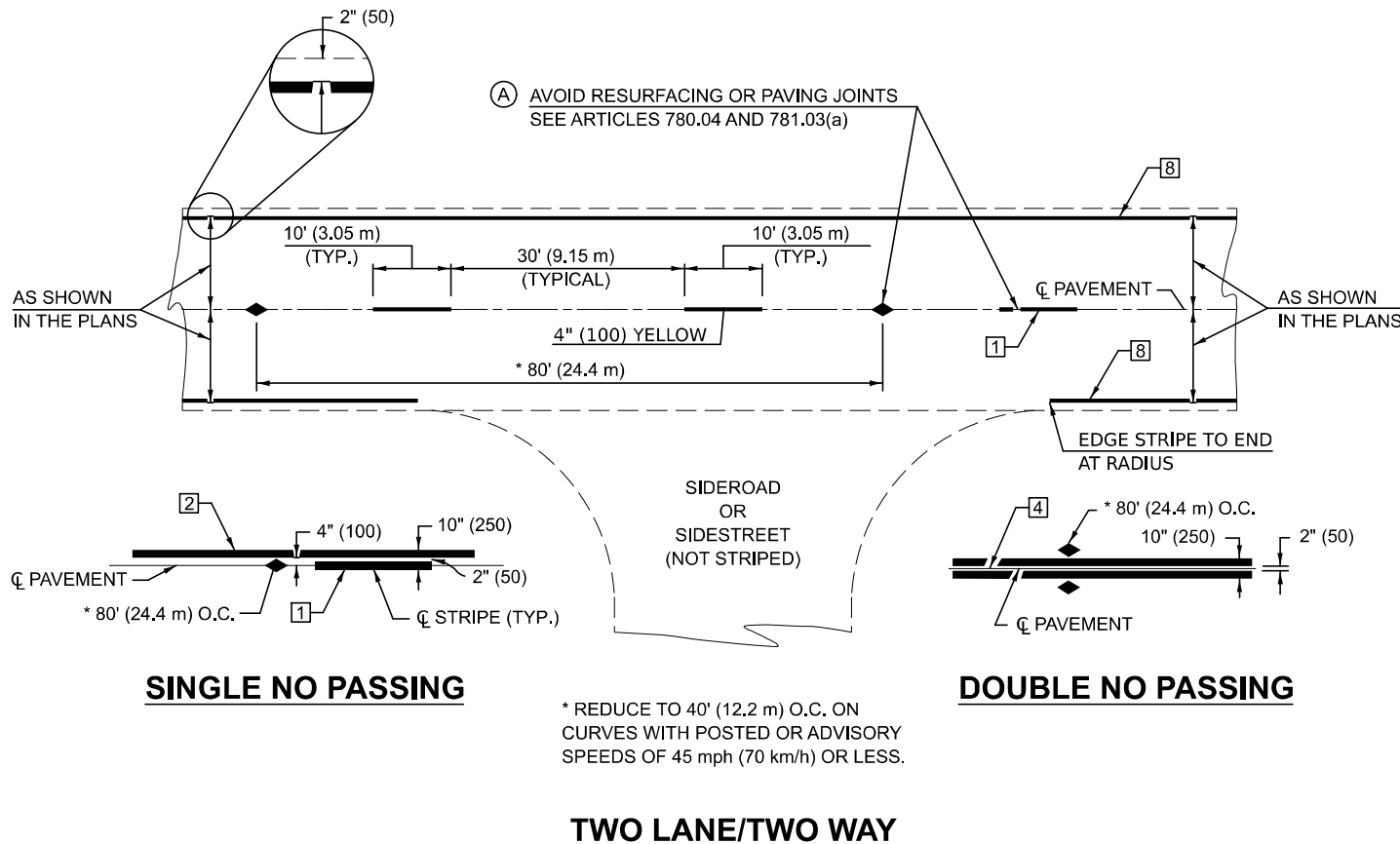
MODEL: Schedules (Sheet)  
 FILE NAME: c:\p\work\project\jason.gable@illinois.gov\095959\0570H23-sh-Schedules.sgm

USER NAME = Matthew.Murphy	DESIGNED - MWM	REVISED -
	DRAWN - JRG	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 2/21/2024	DATE -	REVISED -

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

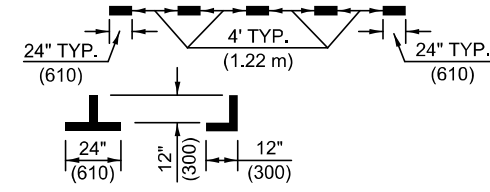
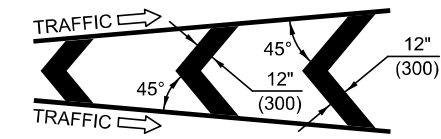
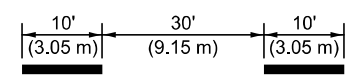
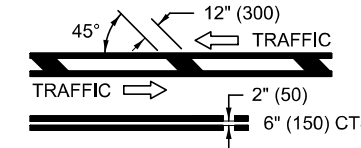
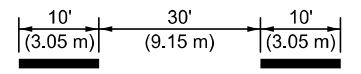
SUMMARY OF QUANTITIES			
SCALE: NTS	SHEET 1	OF 1	SHEETS
STA.		TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(51,52)PP	DEWITT	9	1
CONTRACT NO. 70H23				
ILLINOIS FED. AID PROJECT				



**TYPICAL PAVEMENT MARKING LENGEND**

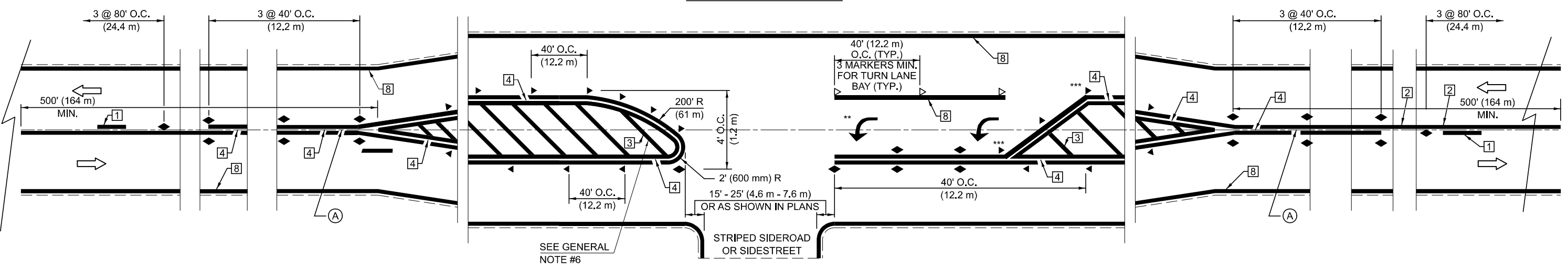
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE



**TYPICAL PAVEMENT MARKERS LENGEND**

- ◆ 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 OF SHEET #2.

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

**DISTRICT 5 DETAIL NO. 7800AAAA**

MODEL: 7800AAAA\_Sheet 1  
FILE NAME: c:\pawork\vwidomurphy\mwd0956595\057023-Sht-Detail\_7800AAAA.dgn

USER NAME = Matthew.Murphy	DESIGNED -	REVISED - 4/2014 JLA
	DRAWN -	REVISED - 3/2019 SWN
PLOT SCALE = 0.16666833" / in.	CHECKED -	REVISED - 8/2022 JLA
PLOT DATE = 1/30/2024	DATE -	REVISED - 9/2022 JWS

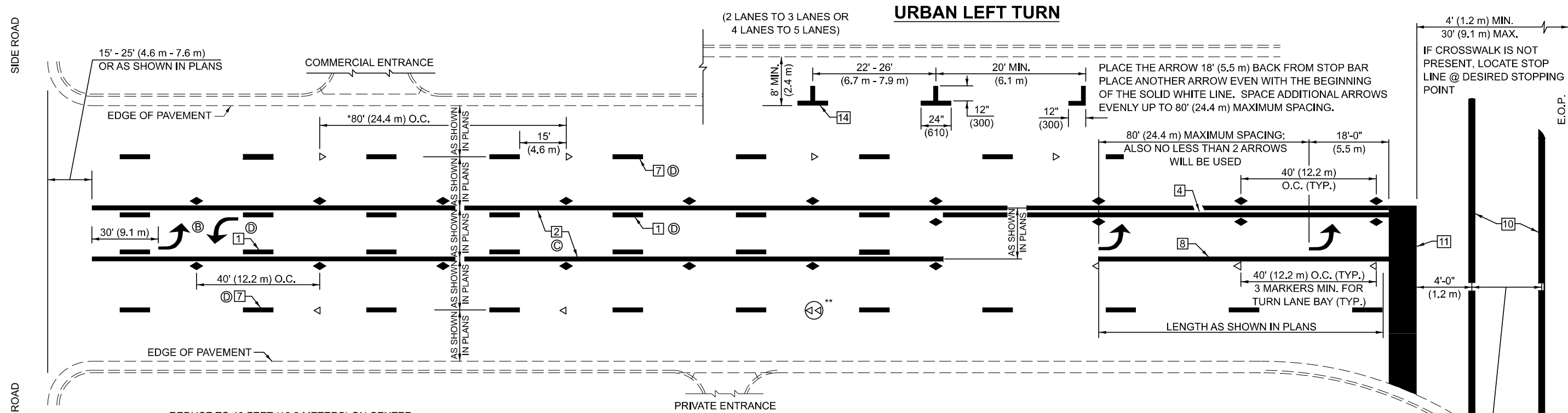
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(51,52)JP	Dewitt	9	A001
CONTRACT NO. 70H23				
ILLINOIS FED. AID PROJECT				

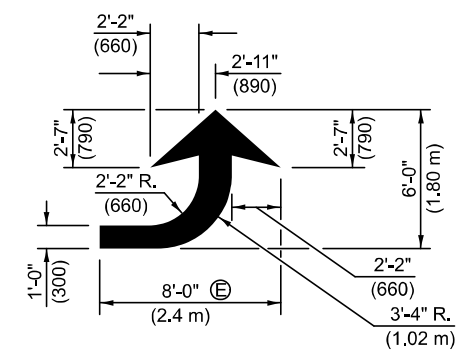
MODEL: 7800AAA\_Sheet 2  
 FILE NAME: c:\pawork\winfo\murphy\mwd0956595\0570H23-Sht-Detail\_7800AAA.dgn



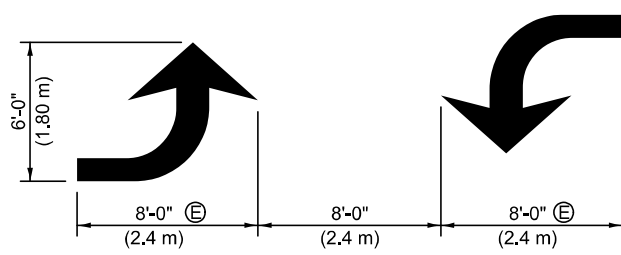
- \* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.
- \*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

**GENERAL NOTES:**

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

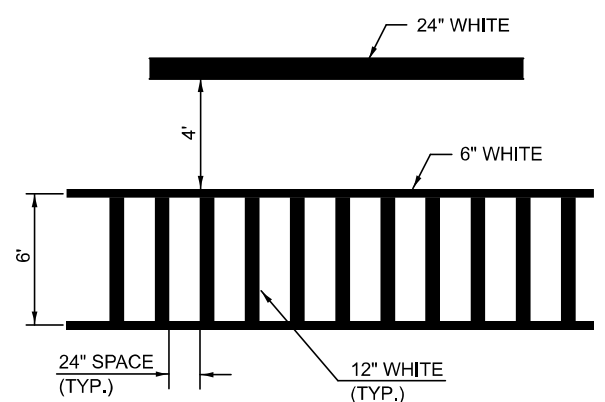


**LEFT ARROW**  
 REVERSE FOR RIGHT ARROW  
 AREA = 15.6 SQ. FT. (1.47 m)  
 (WHITE)

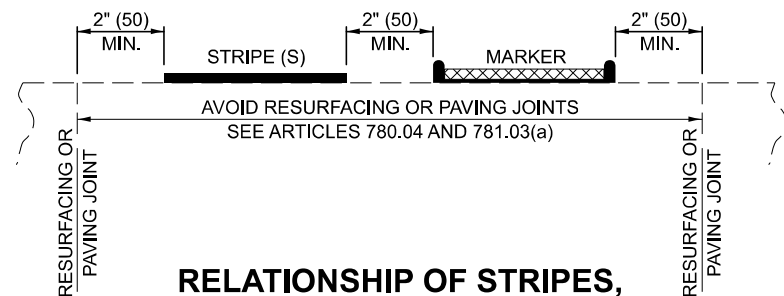


**TYPICAL DOUBLE TURN ARROWS (WHITE)**

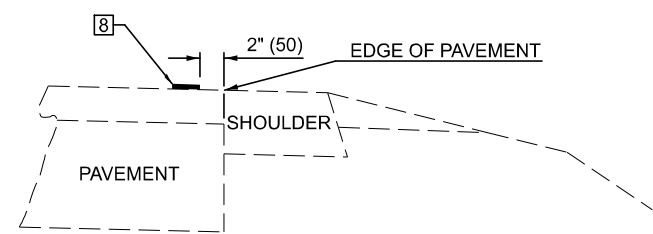
**BLOOMINGTON-NORMAL CITY LIMITS ONLY**



**TYPICAL SPACING FOR CROSSWALKS & STOP BARS**



**RELATIONSHIP OF STRIPES, MARKERS AND JOINTS**



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

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

**DISTRICT 5 DETAIL NO. 7800AAA**

USER NAME = Matthew.Murphy	DESIGNED -	REVISED - 4/2014 JLA
	DRAWN -	REVISED - 3/2019 SWN
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED - 8/2022 JLA
PLOT DATE = 1/30/2024	DATE -	REVISED - 9/2022 JWS

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

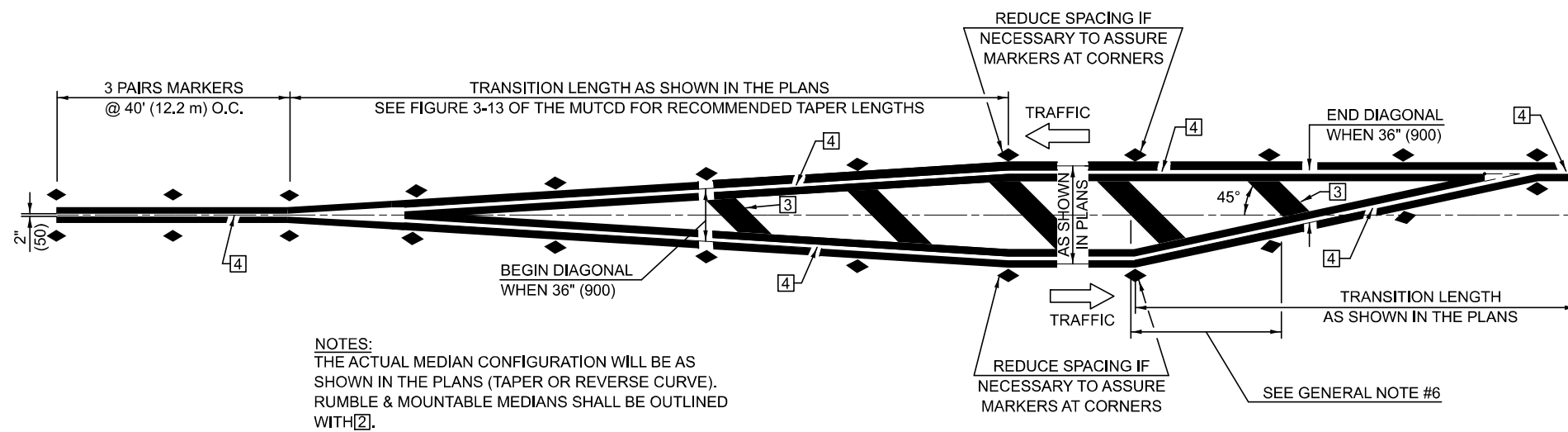
**PAVEMENT MARKING AND MARKERS  
 (RURAL & URBAN APPLICATIONS)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(51,52)JP	Dewitt	9	A002
CONTRACT NO. 70H23				
ILLINOIS FED. AID PROJECT				

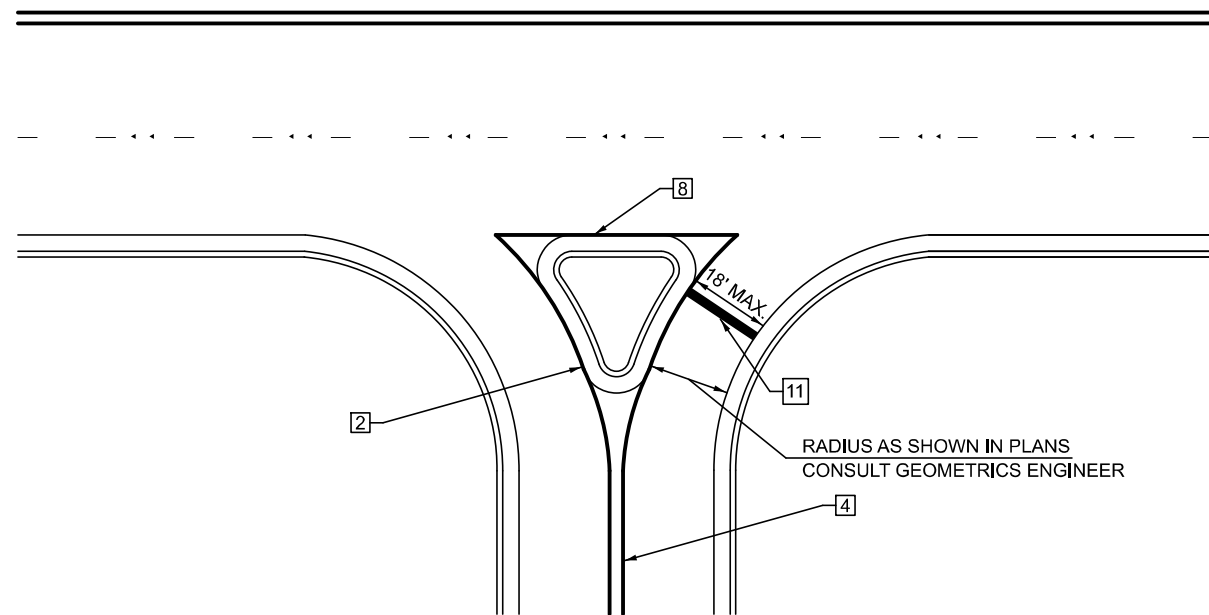
### GENERAL NOTES

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)

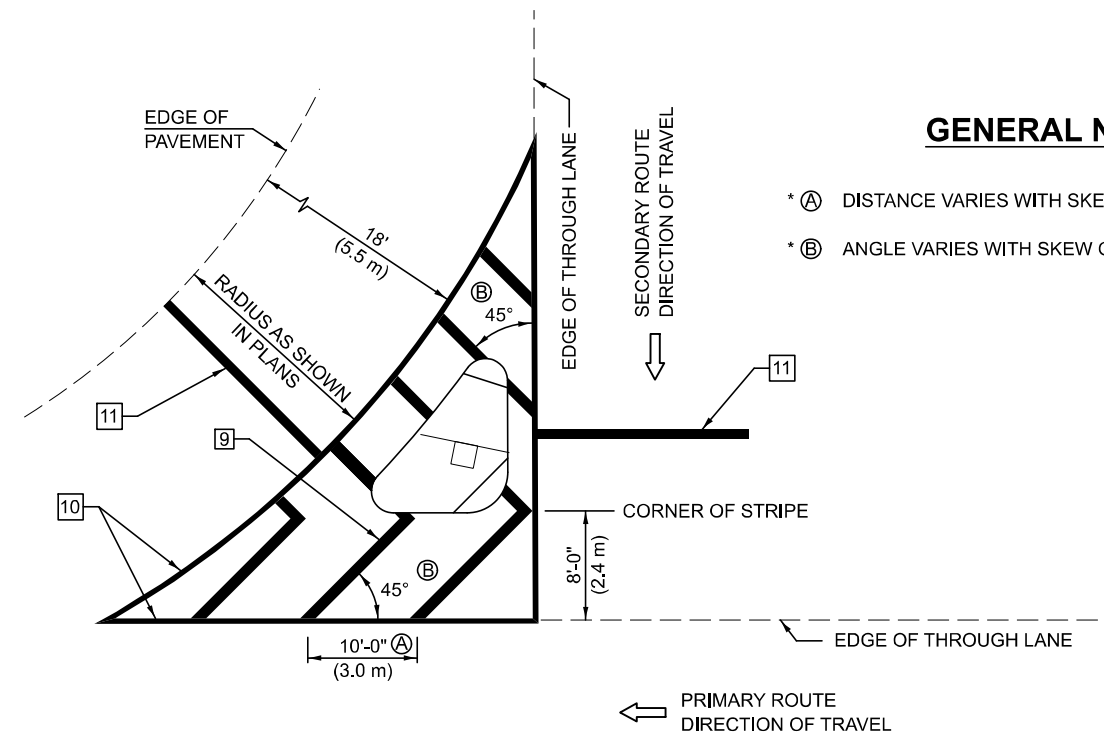


NOTES:  
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE). RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

### TYPICAL MEDIAN TRANSITIONS



### RIGHT IN - RIGHT OUT ACCESS



### GENERAL NOTES

- \* (A) DISTANCE VARIES WITH SKEW OF INTERSECTION.
- \* (B) ANGLE VARIES WITH SKEW OF INTERSECTION.

### ISLAND

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

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

### DISTRICT 5 DETAIL NO. 7800AAAA

USER NAME = Matthew.Murphy	DESIGNED -	REVISED - 4/2014 JLA
	DRAWN -	REVISED - 3/2019 SWN
PLOT SCALE = 0.16666833" / in.	CHECKED -	REVISED - 8/2022 JLA
PLOT DATE = 1/30/2024	DATE -	REVISED - 9/2022 JWS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)

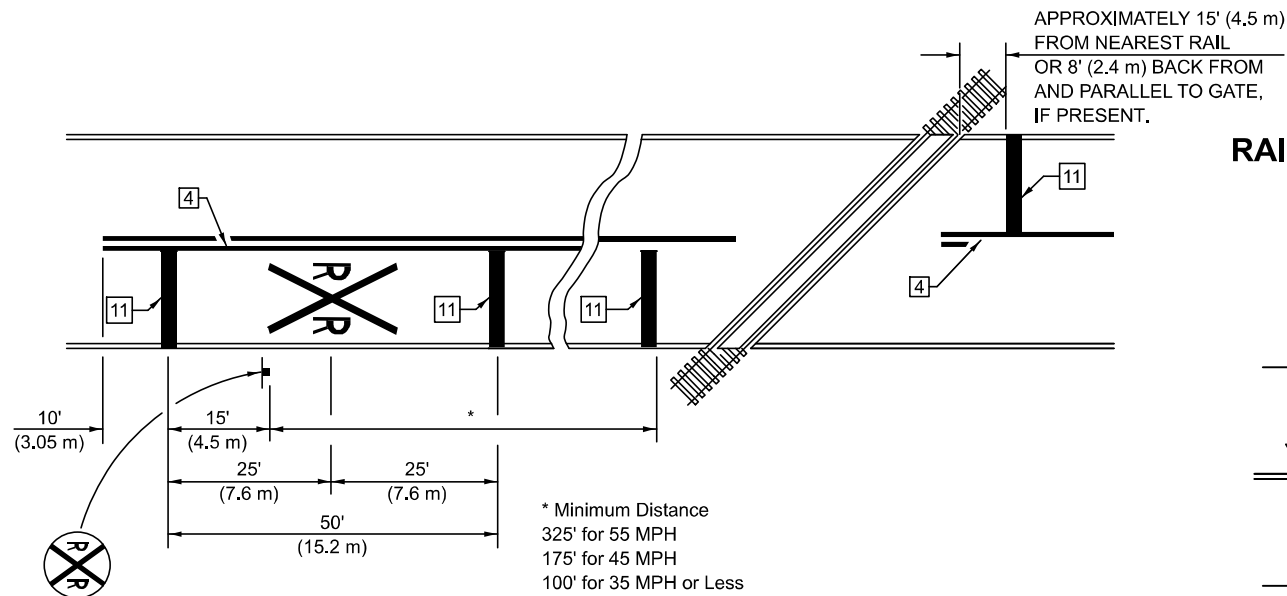
SCALE: NTS SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(51,52)JP	Dewitt	9	A003
CONTRACT NO. 70H23				

ILLINOIS FED. AID PROJECT

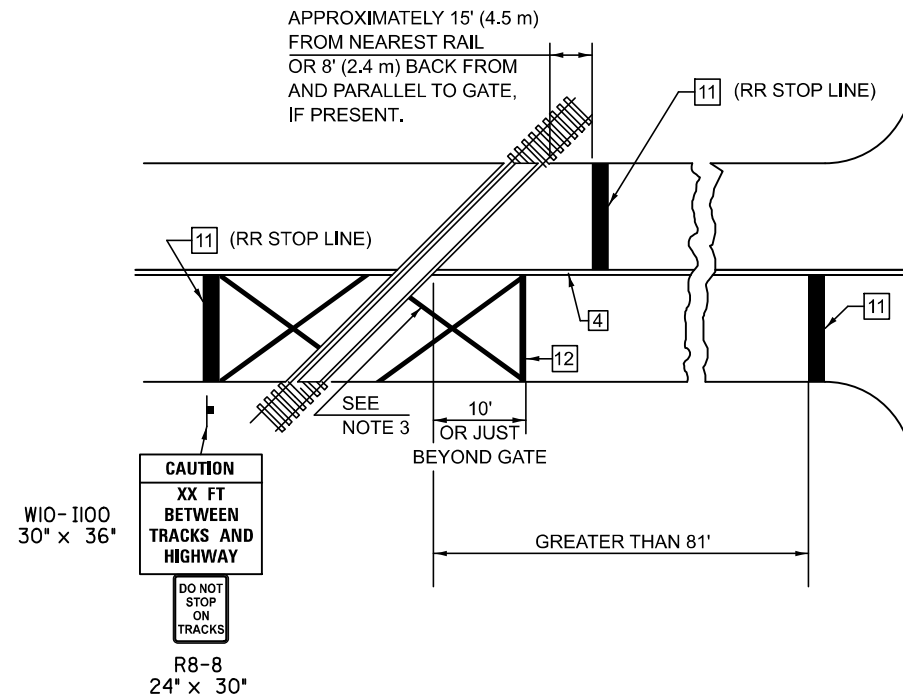


MODEL: 7800AAAA\_Sheet 4  
 FILE NAME: c:\pawork\wv\wv\mupr\mupr\mwd095659\057023-Sign-Detail\_7800AAAA.dgn

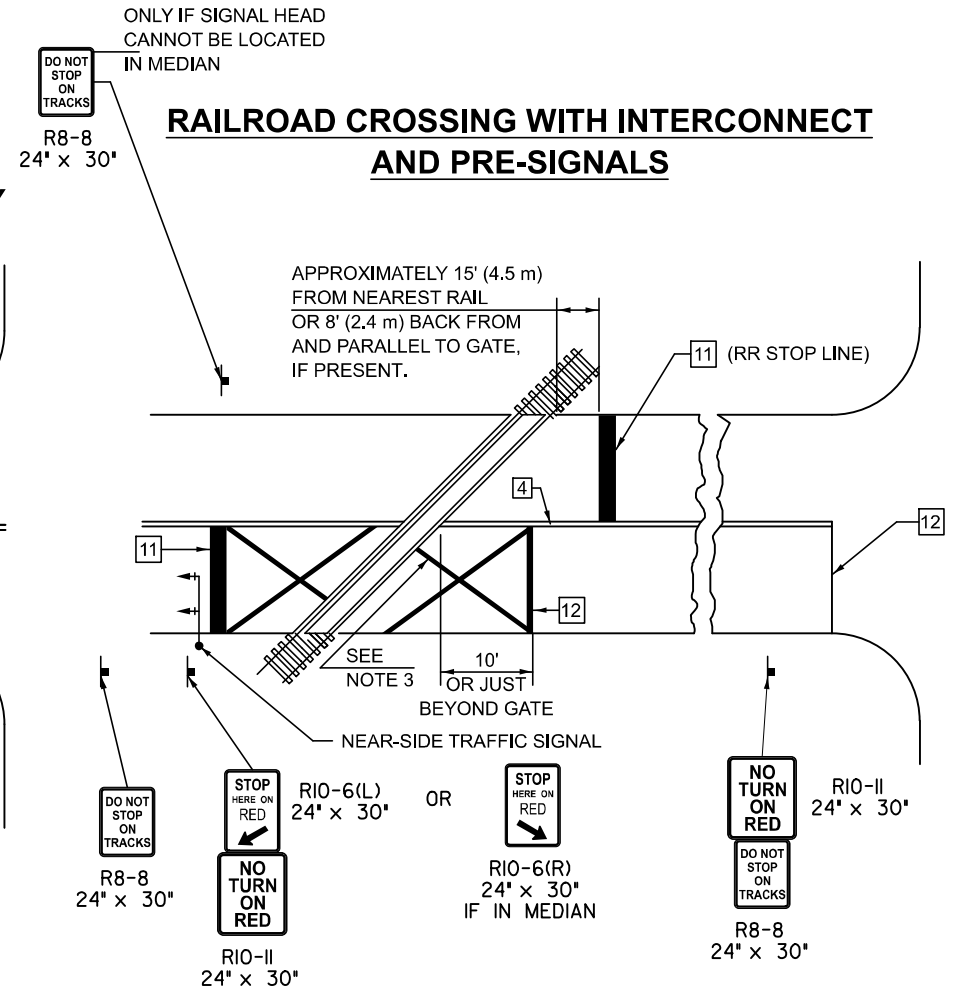


**PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING**

**RAILROAD CROSSING WITH INTERCONNECT ONLY**



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



**GENERAL NOTES**

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
- 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.
- 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.

**SUPPLEMENT 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**

USER NAME = Matthew.Murphy	DESIGNED -	REVISED - 4/2014 JLA
	DRAWN -	REVISED - 3/2019 SWN
PLOT SCALE = 0.16666833" / in.	CHECKED -	REVISED - 8/2022 JLA
PLOT DATE = 1/30/2024	DATE -	REVISED - 9/2022 JWS

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(51,52)JP	Dewitt	9	A004
CONTRACT NO. 70H23				
ILLINOIS FED. AID PROJECT				