

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3-4

CURRENT TRAFFIC DATA**LEG "A" I-55 NB TO FAU 6431**

2024 ADT = 1,200
PU&PC% = 91.7
SU% = 3.3
MU% = 5.0

LEG "B" FAU 6431 TO I-55 SB

2024 ADT = 1,200
PU&PC% = 91.7
SU% = 3.3
MU% = 5.0

LEG "C" FAU 6431 TO I-55 NB

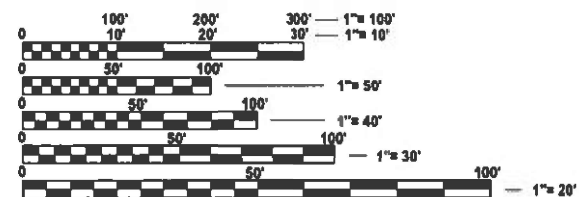
2024 ADT = 700
PU&PC% = 90.0
SU% = 5.7
MU% = 4.3

LEG "D" I-55 SB TO FAU 6431

2024 ADT = 650
PU&PC% = 93.8
SU% = 3.1
MU% = 3.1

TRAFFIC DATA LOCATIONS

FAI-55 NB & SB RAMPS AT
TOWANDA IN MCLEAN COUNTY



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

TOWNSHIP: TOWANDA

PROJECT ENGINEER: RYAN T. CARROLL
PROJECT MANAGER: CLARE B. DIETZ
PROJECT DESIGNER: TIANYI SUN
PHONE NUMBER: (217)465-4181

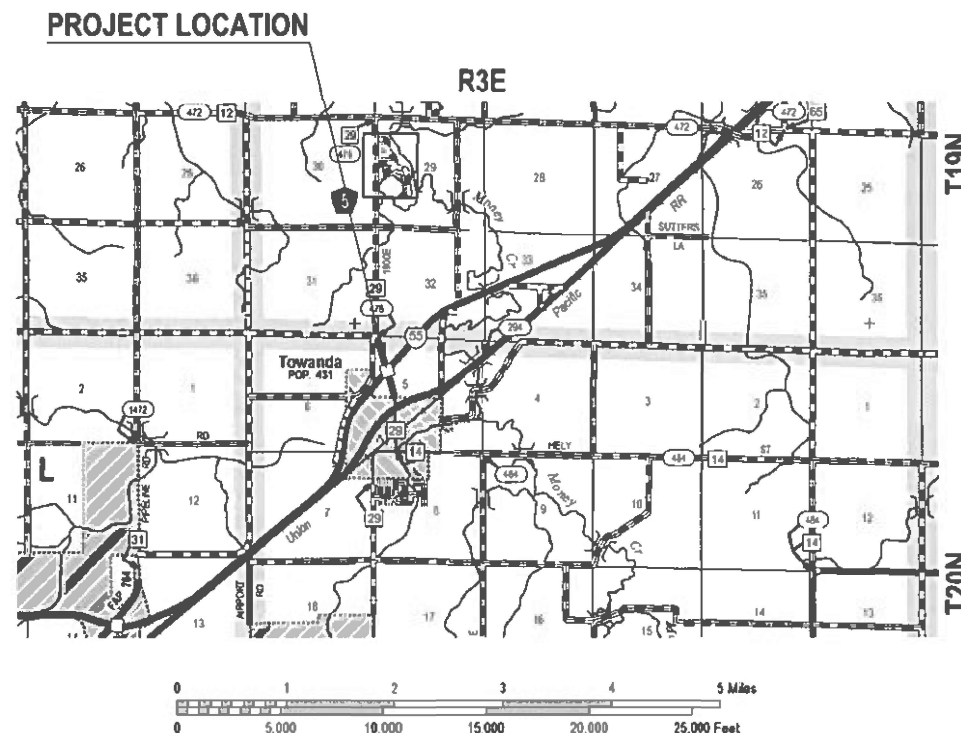
CONTRACT NO. 70H39

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAI ROUTE 55 (I 55)
SECTION (57-3 & 57-3B)RS
PROJECT NHPP-IF9E(820)
SMART OVERLAY
MCLEAN COUNTY

C-95-024-25
NB & SB RAMPS AT TOWANDA INTERCHANGE



GROSS LENGTH = 8,551 FT. = 1.620 MILE
NET LENGTH = 8,551 FT. = 1.620 MILE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-3 & 57-3B)RS	MCLEAN	8	1
ILLINOIS		CONTRACT NO. 70H39		

D-95-008-25



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 1/23 20 25
Kenneth A. Gammitt JWS
REGIONAL ENGINEER
March 21 20 25
Scott A. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT
March 21 20 25
John J. Harris 5
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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D5 DETAIL PAVEMENT MARKING DETAILS 6" LINE	7
D5 DETAIL TRAFFIC CONTROL FOR RAMPS	8

LIST OF STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45MPH
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701456-05	PARTIAL EXIT RAMP CLOSURE, FREEWAY/EXPRESSWAY
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

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

GN 406H Mixture RequirementsContract: 70H39

Location	I - 55	I -55
Mixture Use	Ramp Mainline Surface	Ramp inside and outside shoulder
AC/PG	SBS PG 70-22	PG 64-22
Design Air Voids	4.0% @ Ndes=70	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 9.5	IL 9.5
Friction Aggregate	Mix D	Mix C
Mixture Weight	112	112
Quality Management Program	QC/QA	QC/QA
Sublot Size	3000	3000
Material Transfer Device (Required ?)	NO	NO

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).

COMMITMENTS

NONE

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		DRAWN -	REVISED -			55	(57-3 & 57-3B)RS	MCLEAN	8	2
	PLOT DATE = 1/22/2025	CHECKED -	REVISED -			CONTRACT NO. 70H39				
		DATE -	REVISED -							
	ILLINOIS FED. AID PROJECT									

SUMMARY OF QUANTITIES

LOCATION OF WORK :

FAI 55
INTERSTATE
URBAN
245+00
275+00
MCLEAN

FUNDING BREAKOUT :

90% FED / 10% STATE

CONSTRUCTION TYPE CODE :

0005

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY QUANTITY
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	10,714.00	10,714.00
	40604162	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1,174.00	1,174.00
	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	23,808.00	23,808.00
	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	113.00	113.00
	48203100	HOT-MIX ASPHALT SHOULDERS	TON	826.00	826.00
	67100100	MOBILIZATION	L SUM	1.00	1.00
	70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4.00	4.00
	70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1.00	1.00
	70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1.00	1.00
	70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1.00	1.00
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	24.00	24.00
	70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1.00	1.00
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	860.00	860.00
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	287.00	287.00
	* DENOTES SPECIALTY ITEM				

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SUMMARY OF QUANTITIES

LOCATION OF WORK:	FAI 55 INTERSTATE URBAN 245+00 275+00 MCLEAN
FUNDING BREAKOUT:	90% FED / 10% STATE
CONSTRUCTION TYPE CODE:	0005

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY QUANTITY
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	111.00	111.00
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	13,701.00	13,701.00
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	1,701.00	1,701.00
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	88.00	88.00
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	111.00	111.00
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	13,701.00	13,701.00
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1,701.00	1,701.00
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	88.00	88.00
*	78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	111.00	111.00
*	78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	13,701.00	13,701.00
*	78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	1,701.00	1,701.00
*	78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	88.00	88.00
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	144.00	144.00
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	144.00	144.00
* DENOTES SPECIALTY ITEM					

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		DRAWN -	REVISED -					55	(57-3 & 57-3B)RS	MCLEAN	8	4
		CHECKED -	REVISED -					CONTRACT NO. 70H39				
	PLOT DATE = 1/23/2025	DATE -	REVISED -		SCALE:	SHEET 2 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

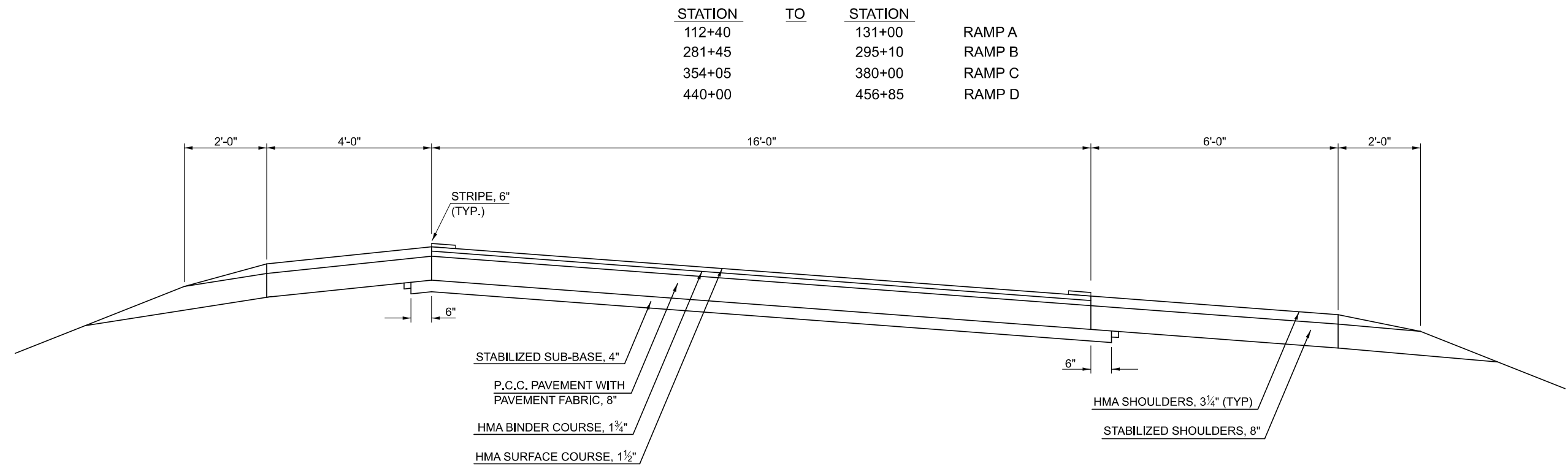
LOCATION OF WORK:

FAI 55
INTERSTATE
URBAN
245+00
275+00
MCLEAN
/ 10% STATE
0005

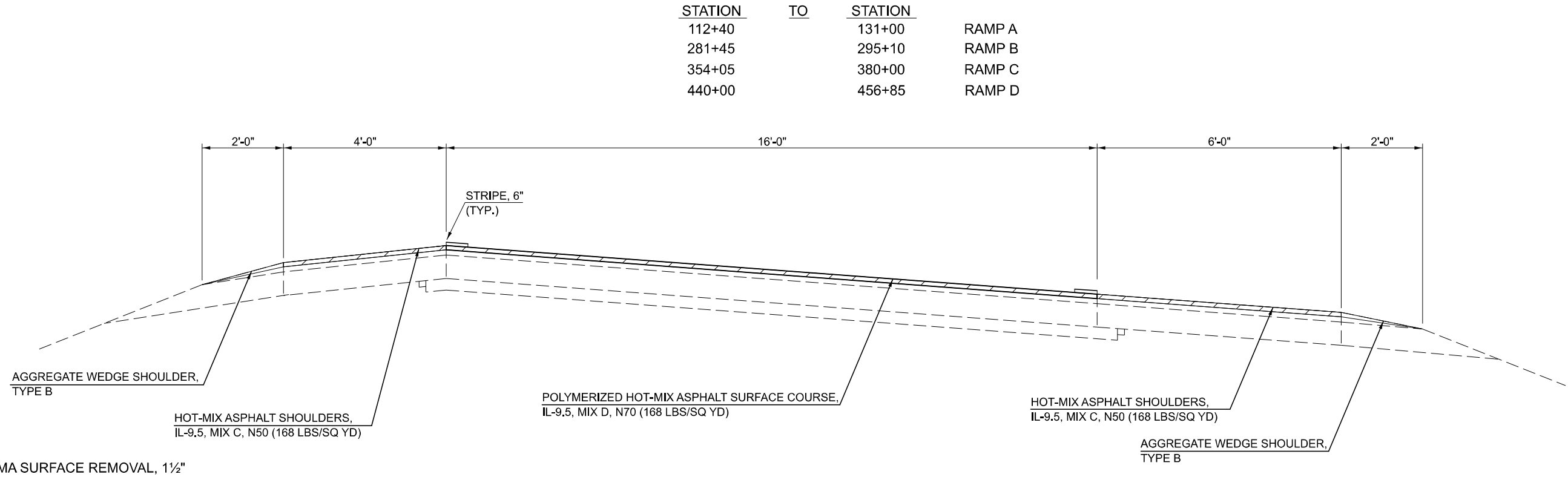
FUNDING BREAKOUT:
CONSTRUCTION TYPE CODE:

	CODE NO.		ITEM	UNIT	TOTAL QUANTITY	ROADWAY QUANTITY
	Z0013798		CONSTRUCTION LAYOUT	L SUM	1.00	1.00
* DENOTES SPECIALTY ITEM						

EXISTING TYPICAL CROSS SECTION



PROPOSED TYPICAL CROSS SECTION



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		DRAWN -	REVISED -					55	(57-3 & 57-3B)RS	MCLEAN	8	6
		CHECKED -	REVISED -					CONTRACT NO. 70H39				
	PLOT DATE = 1/15/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

SCHEDULE OF QUANTITIES

HMA SCHEDULE										
		LENGTH	PAVEMENT T AREA OF MAINLINE	PAVEMENT AREA OF SHOULDER S AND GORES	48203100	40604172	40600290		44000155	
					HOT-MIX ASPHALT SHOULDER S	POLYMERIZED HOT- MIX ASPHALT SURFACE COURSE, IL- 9.5, MIX D, N70 (168 LBS/SQ YD)	BITUMINOUS MATERIALS (TACK COAT)		HOT-MIX ASPHALT SURFACE REMOVAL, 1½ IN	
LOCATION	DIRECTION	(FT)	(SQ YD)	(SQ YD)	SHOULDER S	LANE	MAINLINE	SHOULDER S	MAINLINE	SHOULDER S & GORES
RAMP A	I-55 SB ON RAMP	2,636.0	4,090.6	2,926.5	245.8	343.6	1,841.0	1,317.0	4,090.6	2,926.5
RAMP B	I-55 SB OFF RAMP	1,685.0	2,895.9	1,960.3	164.7	243.3	1,303.0	882.0	2,895.9	1,960.3
RAMP C	I-55 NB ON RAMP	2,540.0	4,065.0	2,959.4	248.6	341.5	1,829.0	1,332.0	4,065.0	2,959.4
RAMP D	I-55 NB OFF RAMP	1,690.0	2,928.5	1,981.8	166.5	246.0	1,318.0	892.0	2,928.5	1,981.8
TOTAL		8,551.0	13,980.0	9,828.0	826.0	1,174.0	6,291.0	4,423.0	13,980.0	9,828.0

AGGREGATE WEDGE SHOULDER, TYPE B	
48102100	
LOCATION	(TON)
RAMP A	33.0
RAMP B	23.0
RAMP C	34.0
RAMP D	23.0
TOTAL	113.0

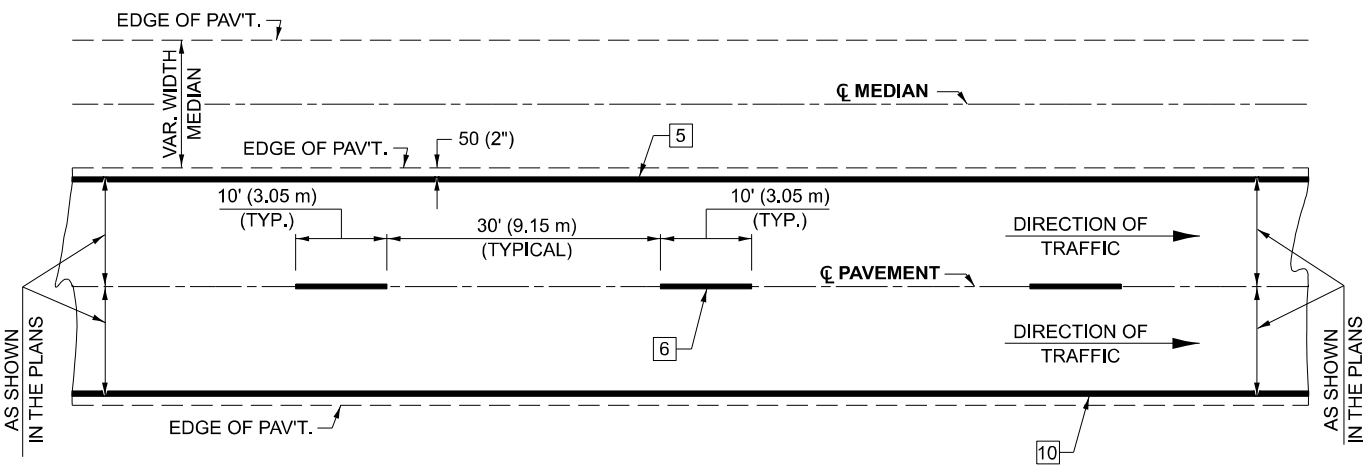
CHANGEABLE MASSAGE SIGN	
DESCRIPTION	70107025
	CHANGEABLE MESSAGE SIGN
	(CAL DAY)
ADVANCE NOTICE	12
DURING THE CLOSURE OF RAMPS	12
TOTAL	24
Location details of changeable message sign can be found in special provision - Public Information Plan.	

PAVEMENT MARKINGS																						
		LENGTH	PAVEMENT AREA	70300100	70300150	70300211	70300241		70300251	70300281	78000100	78000400		78000500	78000650	78011000	78011035	78011045	78011125	78100100		78300200
				SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT		TEMPORARY PAVEMENT MARKING - LINE 8" - PAINT	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 6"		THERMOPLASTIC PAVEMENT MARKING - LINE 8"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	GROOVING FOR RECESSED PAVEMENT MARKING 7"	GROOVING FOR RECESSED PAVEMENT MARKING 9"	GROOVING FOR RECESSED PAVEMENT MARKING 25"	RAISED REFLECTIVE PAVEMENT MARKERS		RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
							WHITE	YELLOW				WHITE	WHITE							CRYSTAL	AMBER	
LOCATION	DIRECTION	(FT)	(SQ YD)	(FT)	(SQ FT)	(SQ FT)	(FT)		(FT)	(FT)	(SQ FT)	(FT)		(FT)	(FT)	(SQ FT)	(FT)	(FT)	(FT)	(EACH)		(EACH)
RAMP A	I-55 SB ON RAMP	2,636.0	7,283.0	252.0	84.0		2,650.0	1,405.0	480.0			2,650.0	1,405.0	480.0			4,055.0	480.0				
RAMP B	I-55 SB OFF RAMP	1,685.0	5,347.0	180.0	60.0	55.5	1,805.0	992.0	412.0	44.0	55.5	1,805.0	992.0	412.0	44.0	55.5	2,797.0	412.0	44.0	46.0	26.0	72.0
RAMP C	I-55 NB ON RAMP	2,540.0	7,378.0	252.0	84.0		2,711.0	1,421.0	397.0			2,711.0	1,421.0	397.0			4,132.0	397.0				
RAMP D	I-55 NB OFF RAMP	1,690.0	5,334.0	176.0	58.7	55.5	1,762.0	955.0	412.0	44.0	55.5	1,762.0	955.0	412.0	44.0	55.5	2,717.0	412.0	44.0	47.0	25.0	72.0
TOTAL		8,551.0	25,342.0	860.0	287.0	111.0	8,928.0	4,773.0	1,701.0	88.0	111.0	8,928.0	4,773.0	1,701.0	88.0	111.0	13,701.0	1,701.0	88.0	93.0	51.0	144.0

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		DRAWN -	REVISED -					55	(57-3 & 57-3B)RS	MCLEAN	8	7
		CHECKED -	REVISED -					CONTRACT NO. 70H39				
	PLOT DATE = 1/23/2025	DATE -	REVISED -					SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY

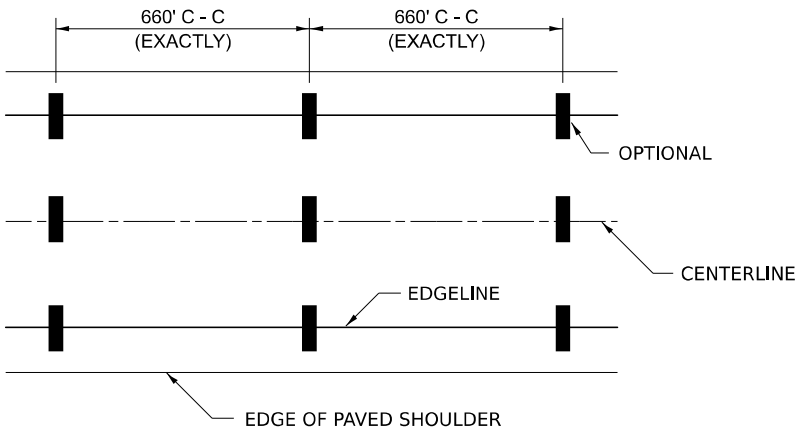


NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

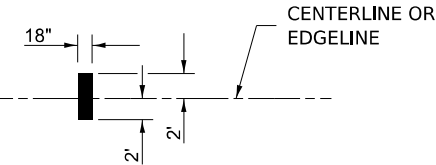
NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.

FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

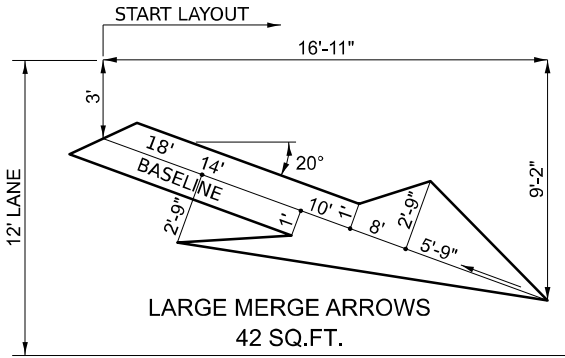
TYPICAL PAVEMENT MARKING LEGEND



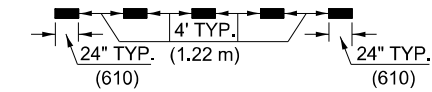
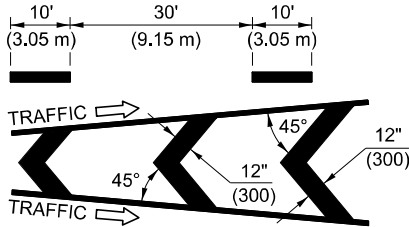
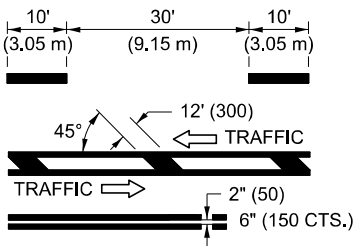
IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF MEASUREMENT CAN BE ATTESTED TO IN COURT.



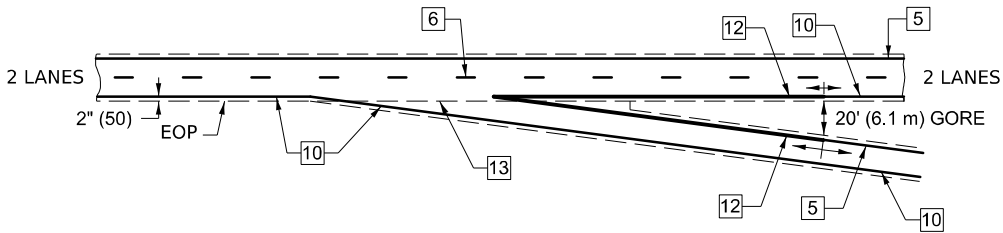
AERIAL SPEED CHECK ZONES



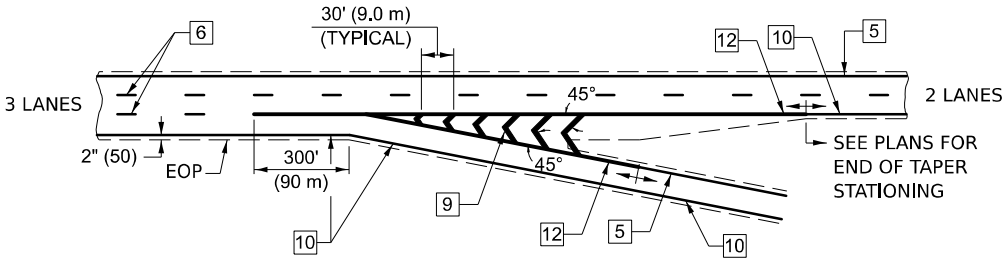
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 6" (150) SOLID (YELLOW)
- 6 6" (150) SKIP-DASH (WHITE)
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)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



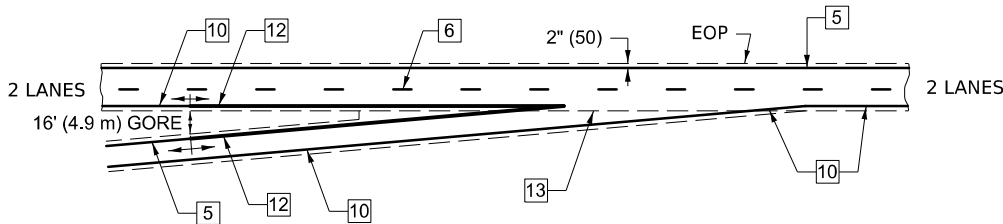
TYPICAL EXIT RAMP TERMINAL



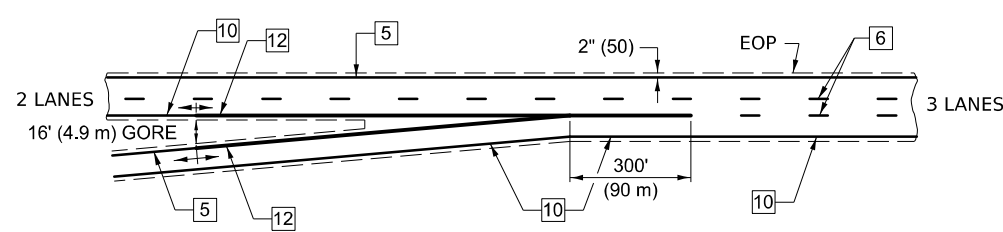
EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



TYPICAL ENTRANCE RAMP TERMINAL



ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



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

DISTRICT 5 DETAIL NO. 7800BBBB

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-3 & 57-3B)RS	MCLEAN	8	8
CONTRACT NO. 70H39				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING (INTERSTATE & MULTI-LANE APPLICATIONS)

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

USER NAME = Tianyi.Sun	DESIGNED - Tianyi Sun	REVISED - 11/06
DRAWN -	REVISOR - 12/20	
PLOT SCALE = 0.16666633" / 1 in.	CHECKED -	REVISOR -
PLOT DATE = 12/31/2024	DATE -	REVISOR -

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