

STATE OF ILLINOIS 09-23-2022 LETTING ITEM 037
 DEPARTMENT OF TRANSPORTATION

F.A.I. R/L	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D3 INTERMITTENT RS 2022-1	IROQUOIS	8	1
		CONTRACT NO.	66M49	

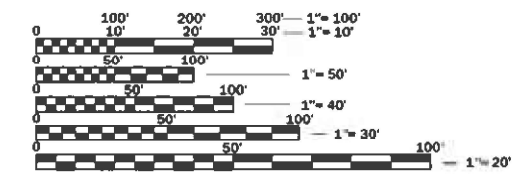
HIGHWAY STANDARDS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTION
- 5 - 6 SCHEDULES
- 7 TRAFFIC CONTROL AND PROTECTION, STANDARD 701400
- 8 TYPICAL PAVEMENT MARKING DETAILS

HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701401-13 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701411-09 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥ 45 MPH
- 701426-09 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
- 701428-01 TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
- 701901-08 TRAFFIC CONTROL DEVICES
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

**PROPOSED
 HIGHWAY PLANS**
 F.A.I. ROUTE 57 (I-57)
 SECTION D3 INTERMITTENT RS 2022-1
 INTERMITTENT MILLING AND RESURFACING
 IROQUOIS COUNTY
 C-93-074-22

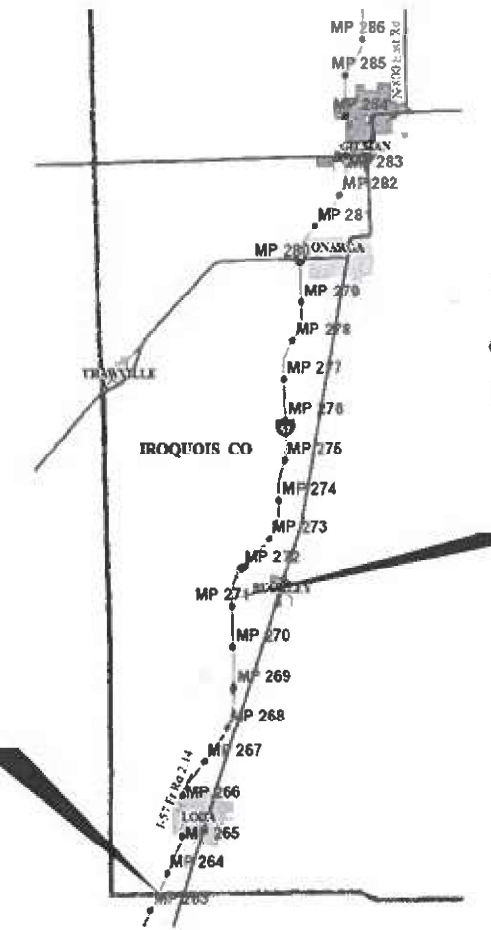


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: YOGESH PATEL P.E.
 UNIT CHIEF: RON WOODSHANK
 DISTRICT 3 NO. (815) 434-6131
 CONTRACT NO. 66M49

BEGIN IMPROVEMENT
 FORD COUNTY LINE
 MILE MARKER 263.51



END IMPROVEMENT
 APPROXIMATELY 7.79 MILES NORTH
 OF THE FORD COUNTY LINE
 MILE MARKER 271.30

GROSS LENGTH = 79,675 FT. = 15.09 MILES
 NET LENGTH = 13,992 FT. = 2.65 MILES

FUNCTIONAL CLASSIFICATION
 RURAL INTERSTATE
 F.A.I. ROUTE 57 (I-57)
 2019 ADT = 17,900
 P.V. 60.9 % S.U. 3.9 % M.U. 35.2 %

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED *July 5th 2022*
Mano Ahmed
 August 19, 2022 REGIONAL ENGINEER

S. A. Etk
 August 19, 2022 ENGINEER OF DESIGN AND ENVIRONMENT

Stephen M. Smith
 August 19, 2022 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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 OF THE STATE OF ILLINOIS**

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE INSCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITH THE IDOT RIGHT OF WAY.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERTELEVATION RATES ARE GIVEN ON THE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CLACULATING PLAN QUANTITIES

HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
POLYMERIZED HMA BINDER (HAND METHOD)	0.0005	TONS / SQ YD
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD

COMMITEMENT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: _____
DISTRICT STUDIES & PLANS ENGINEER

DATE: _____

EXAMINED BY: _____
DISTRICT CONSTRUCTION ENGINEER

DISTRICT MATERIALS ENGINEER

DISTRICT OPERATIONS ENGINEER

LOCATION(S):	ENTIRE PROJECT
MIXTURE USE(S):	POLYMERIZED HOT MIX ASPHALT SURFACE COURSE
BINDER GRADE (PG):	SBS-PG 70-28
DESIGN AIR VOIDS:	4.0% @ N90
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9,5
FRICTION AGGREGATE:	MIXTURE D
MIXTURE WEIGHT:	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA
SUBLOT SIZE:	NA
DENSITY TEST METHOD:	CORES
MATERIAL TRANSFER DEVICE (REQUIRED)	NO

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D3 INTERMITTENT RS 2022-1	IROQUOIS	8	2
			CONTRACT NO. 66M49	
ILLINOIS FED. AID PROJECT				

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	DATE - 1/28/2022	REVISED -

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STATE 100%	
				ROADWAY	
				0005	RURAL
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4178	4178	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	2.5	2.5	
40600907	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N90	TON	4.5	4.5	
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N90	TON	1040	1040	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	9282	9282	
67100100	MOBILIZATION	L SUM	1	1	
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	14	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	604	604	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	204	204	
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	6072	6072	
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	1580	1580	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	158	158	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	158	158	

*= SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D3 INTERMITTENT RS 2022-1	IROQUOIS	8	3
			CONTRACT NO. 66M49	
		ILLINOIS	FED. AID PROJECT	

MAINLINE SCHEDULE

DIRECTION AND LOCATION		LENGTH	WIDTH	HOT-MIX ASPHALT SURFACE REMOVAL 2"	BITUMINOUS MATERIALS (TACK COAT)	MIX FOR JOINTS CRACKS AND FLANGEWAYS	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE (HAND METHOD) N90	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE IL 9.5 MIX "D" N90
LANE	MILE MARKERS	FT	FT	SQ YD	POUND	TON	POUND	TON
NORTHBOUND								
DRIVING LANE	265.25 TO 265.40	792	14	1232	554	0.4	0.6	138
PASSING LANE	265.55 TO 265.60	264	14	411	185	0.1	0.2	46
PASSING LANE	266.50 TO 266.55	264	14	411	185	0.1	0.2	46
PASSING LANE	266.65 TO 266.70	264	14	411	185	0.1	0.2	46
DRIVING LANE	267.25 TO 267.35	528	14	821	370	0.2	0.4	92
DRIVING LANE	270.45 TO 270.60	792	14	1232	554	0.4	0.6	138
NORTHBOUND TOTAL		2904	84	4518	2033	1.3	2.2	506
SOUTHBOUND								
DRIVING LANE	271.05 TO 271.00	264	14	411	185	0.1	0.2	46
DRIVING LANE	270.55 TO 270.45	528	14	821	370	0.2	0.4	92
PASSING LANE	269.20 TO 269.10	528	14	821	370	0.2	0.4	92
PASSING LANE	268.95 TO 268.90	264	14	411	185	0.1	0.2	46
PASSING LANE	268.23 TO 268.10	686	14	1067	480	0.3	0.5	120
PASSING LANE	267.65 TO 267.60	264	14	411	185	0.1	0.2	46
DRIVING LANE	267.40 TO 267.35	264	14	411	185	0.1	0.2	46
PASSING LANE	266.70 TO 266.65	264	14	411	185	0.1	0.2	46
SOUTHBOUND TOTAL		3062	112	4764	2145	1.2	2.3	534
GRAND TOTAL		5966	196	9282	4178	2.5	4.5	1040

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D3 INTERMITTENT RS 2022-1	IROQUOIS	8	5
CONTRACT NO. 66M49			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING SCHEDULE

DIRECTION & LOCATION				POLYUREA PAV'T MARKING TYPE 1 4"		POLYUREA PAV'T MARKING TYPE 1 6"	POLYUREA PAV'T MARKING TYPE 1 8"		RAISED REFLECT PAVT MARKERS		SHORT TERM PAVT MARK	SHORT TERM PAVT MARK REMOVAL
				WHITE	YELLOW	WHITE	WHITE		INSTALL	REMOVAL	(1 APP)	(1 APP)
DIRECTION		MILE MARKERS		EDGE LINE	EDGE LINE	CENTER LINE	LANE LINE	SKIP-DASH				
NORTHBOUND												
DRIVING LANE	265.25	TO	265.40	792		200			20	20	79	26
PASSING LANE	265.55	TO	265.60		264	70			7	7	26	9
PASSING LANE	266.50	TO	266.55		264	70			7	7	26	9
PASSING LANE	266.65	TO	266.70		264	70			7	7	26	9
DRIVING LANE	267.25	TO	267.35	528		140			14	14	53	18
DRIVING LANE	270.45	TO	270.60	792		200			20	20	79	26
NORTHBOUND SUBTOTAL				2,112	792	750			75	75	289	97
SOUTHBOUND												
DRIVING LANE	271.05	TO	271.00	264		70			7	7	26	9
DRIVING LANE	270.55	TO	270.45	528		140			14	14	53	18
PASSING LANE	269.20	TO	269.10		528	140			14	14	53	18
PASSING LANE	268.95	TO	268.90		264	70			7	7	26	9
PASSING LANE	268.25	TO	268.10		792	200			20	20	79	26
PASSING LANE	267.65	TO	267.60		264	70			7	7	26	9
DRIVING LANE	267.40	TO	267.35	264		70			7	7	26	9
PASSING LANE	266.70	TO	266.65		264	70			7	7	26	9
SOUTHBOUND SUBTOTALS				1056	2112	830			83	83	315	107
GRAND TOTALS				3168	2904	1580			158	158	604	204

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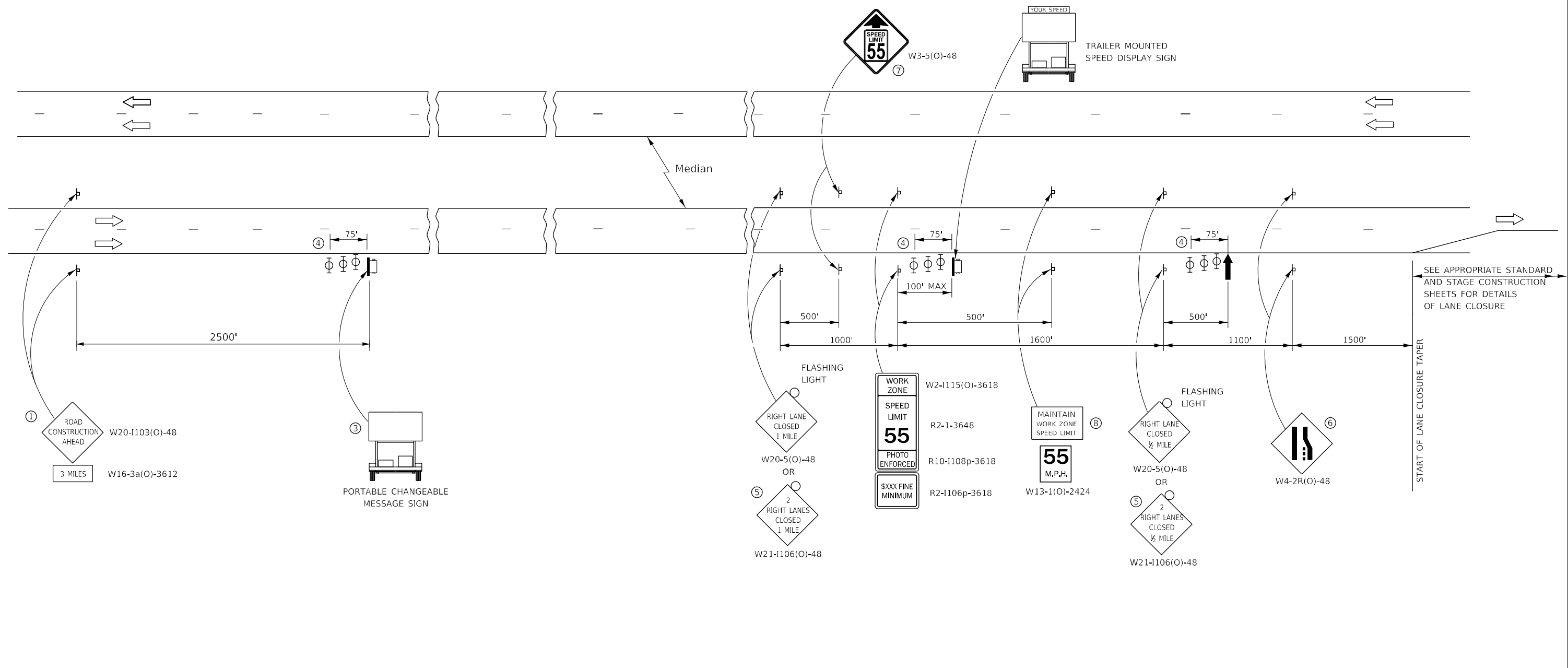
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D3 INTERMITTENT RS 2022-1	IROQUOIS	8	6
CONTRACT NO. 66M49			ILLINOIS FED. AID PROJECT	

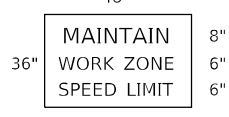
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SEE APPROPRIATE STANDARD AND STAGE CONSTRUCTION SHEETS FOR DETAILS OF LANE CLOSURE

- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
- ③ TO BE PLACED IN THE MEDIAN WHEN FEASIBLE. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:
 "RIGHT LANE CLOSED" / " x MILES AHEAD"
 "LEFT LANE CLOSED" / " x MILES AHEAD"
 "ALL LANES OPEN"
- ④ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 25' CENTERS.
- ⑤ THIS SIGN SHALL BE USED WHEN 2 LANES ARE CLOSED.
- ⑥ WHEN THE LEFT LANE IS CLOSED, SWITCH THESE TWO SIGNS AND THE DIRECTION OF THE MERGE ARROW.
- ⑦ THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.

⑧ 48"x36" FLUORESCENT ORANGE SIGN WITH BLACK LETTERS.



- ↑ ARROW BOARD
- ☐ PORTABLE CHANGEABLE MESSAGE SIGN
- ⊥ SIGN
- ⊕ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT

GENERAL NOTE:

THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS.

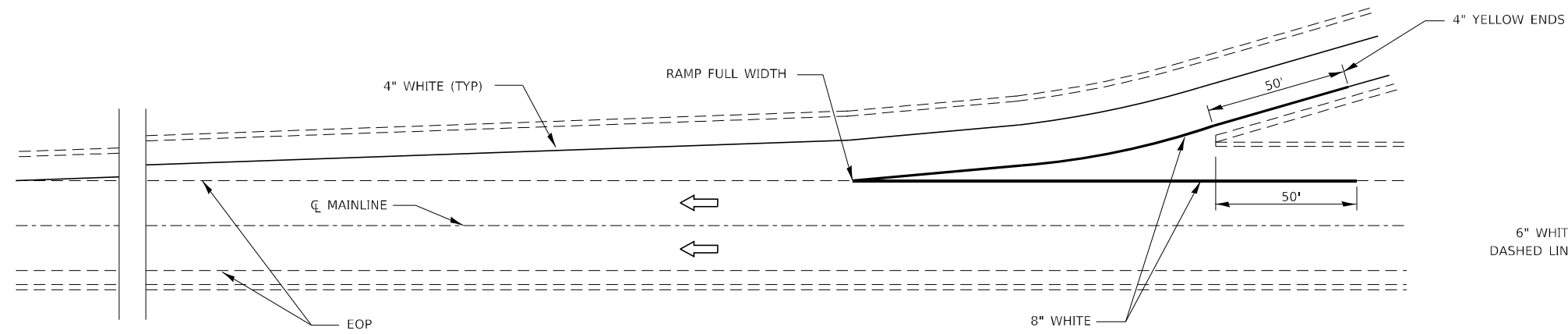
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

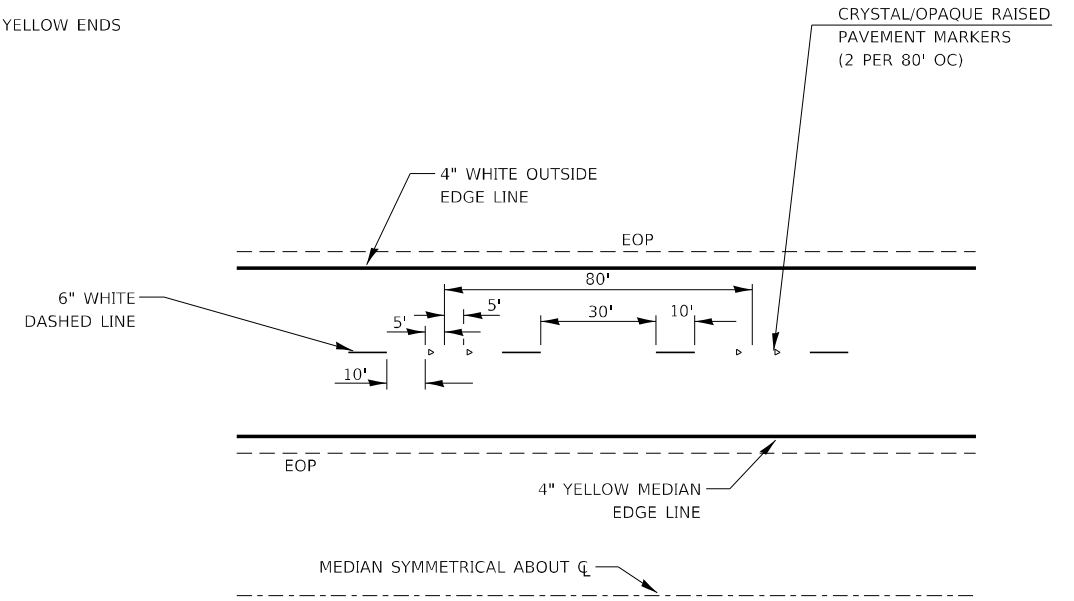
TRAFFIC CONTROL AND PROTECTION, STANDARD 701400

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

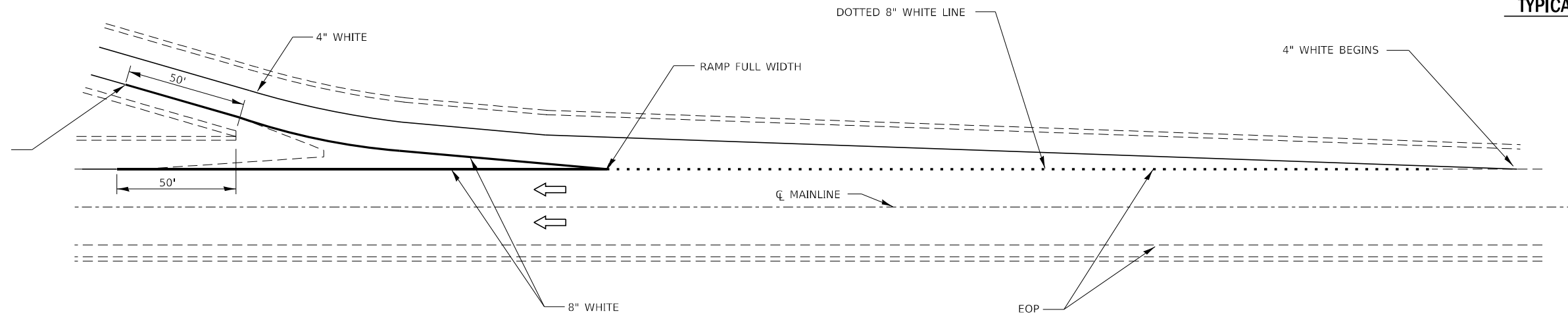
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			CONTRACT NO. 66M49	
ILLINOIS FED. AID PROJECT				



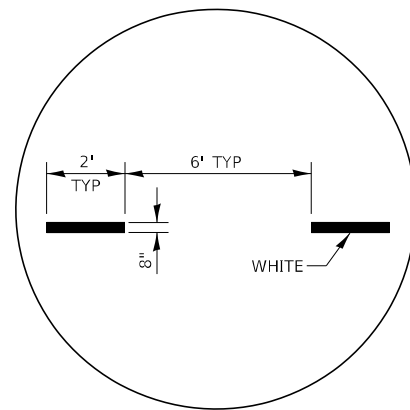
TYPICAL PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS



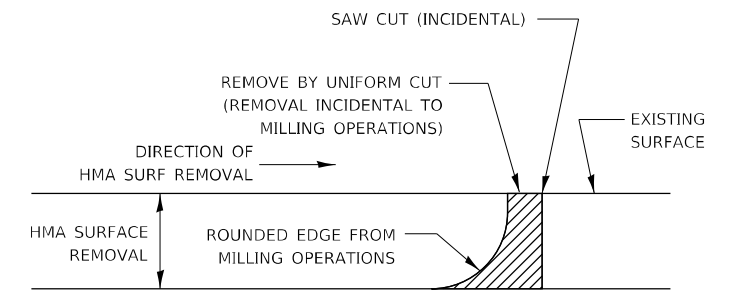
TYPICAL PAVEMENT MARKINGS



TYPICAL PAVEMENT MARKINGS FOR EXIT RAMP TERMINALS



INTERSTATE RAMP TRANSITION LINE



NOTE:
 WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,
 THEN A SAW CUT SHALL BE USED TO MANUFACTURE
 A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.
 THE ENGINEER SHALL BE THE SOLE JUDGE
 CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D3 INTERMITTENT RS 2022-1	IROQUOIS	8	8
			CONTRACT NO. 66M49	
ILLINOIS FED. AID PROJECT				