

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-)3,4RS-3; 5,6RS-2	BUREAU	6	1
		ILLINOIS	CONTRACT NO. 66A16	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

**PROPOSED**  
**HIGHWAY PLANS**

**FAI ROUTE 80 (I-80)**  
**SECTION (06-)3,4RS-3; 5,6RS-2**

**TYPE of IMPROVEMENT-**  
**INTERMITTANT MICRO-SURFACING**  
**(JOINT REPAIR)**  
**BUREAU COUNTY**

**C-93-091-10**

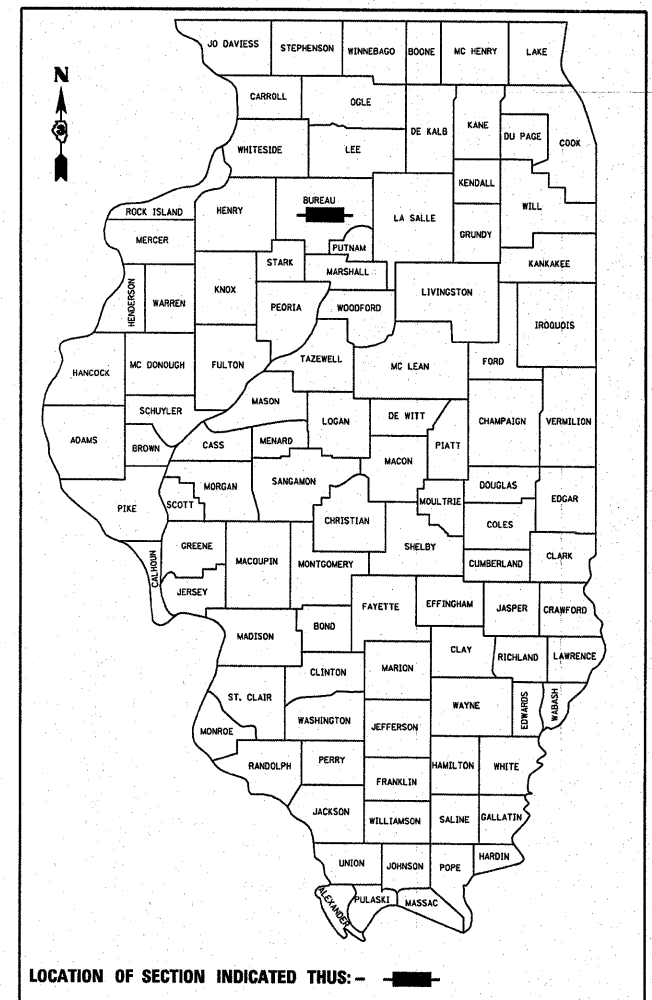
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- 2 GENERAL NOTES AND SUMMARY OF QUANTITIES
- 3 SCHEDULE OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5-6 DETAILS

STANDARDS

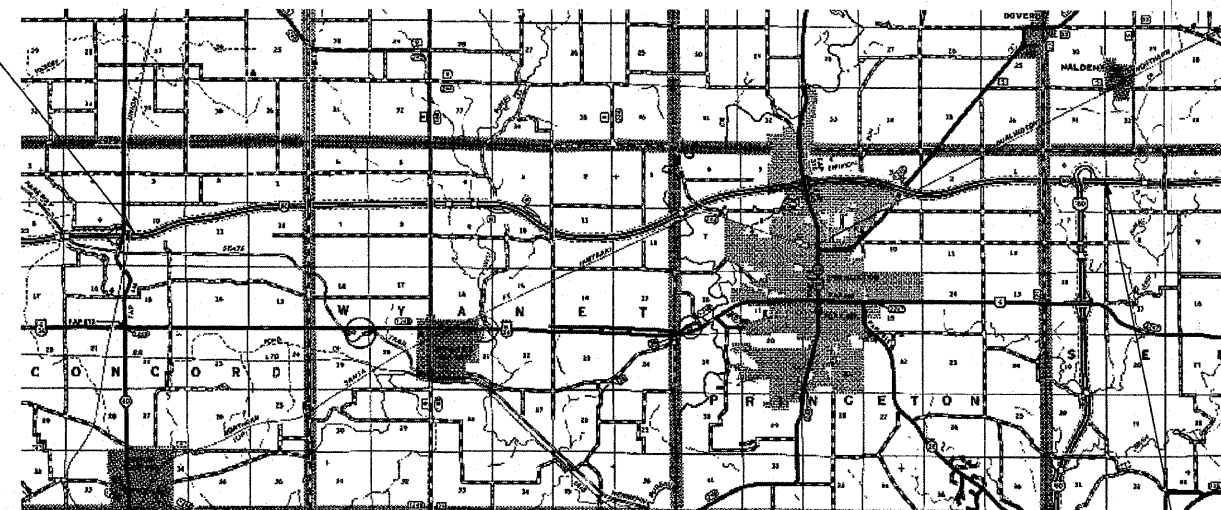
- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701101-02 OFF-ROAD OPERATIONS MULTILANE, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
- 701401-05 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701411-06 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS \*\*e" 45 MPH
- 701426-03 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS \*\*e" 45 MPH
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS

**D-93-042-10**

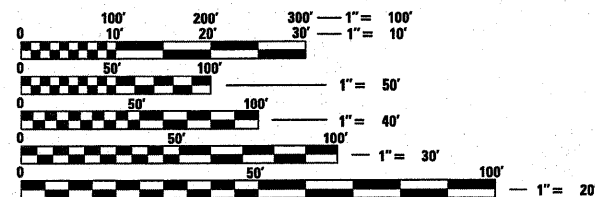


**FUNCTIONAL CLASSIFICATION-INTERSTATE (RURAL)**  
**2007 ADT = 19,200 VPD**  
**P.V.=56% M.U.=40% S.U.=4%**

**PROJECT BEGINS EAST**  
**OF IL-40 STA 503+11**



**PROJECT ENDS EAST**  
**OF I-180 STA 1405+64**



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 JOE KANNEL**  
**UNIT CHIEF PAT BRABOY**

**CONTRACT NO. 66A16**

GROSS LENGTH = 90,253 FT. = 17.09 MILE  
 NET LENGTH = 86,557 FT = 16.39 MILE

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED 3/20 20 10

George Rayson  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7 20 10

Scott E. Stitt, P.E.  
 Acting ENGINEER OF DESIGN AND ENVIRONMENT

May 7 20 10

Christina M. Roedel  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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**OF THE STATE OF ILLINOIS**

GENERAL NOTES  
(Revised May 13, 2009)

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS MICROSURFACING LIFTS.

SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE EXIT AND ENTRANCE RAMPS FOR THE PRIME COAT APPLICATION AND EACH RESURFACING LIFT.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

BITUMINOUS MATERIALS (PRIME COAT)	0.08	GAL / SQ YD
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.00135	TONS / SQ YD
MICRO-SURFACING, SINGLE-PASS*	20	POUNDS/SQ YD

\* MUST MEET FRICTION AGGREGATE REQUIREMENTS FOR MIXTURE D

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

CODE NO	ITEM	UNIT	TOTAL QTY	100% STATE
				CONST. CODE
				RDWY F000
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3910	3910
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	132	132
67100100	MOBILIZATION	L SUM	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	8	8
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	53317	53317
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	161568	161568
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	40392	40392
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	2000	2000
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	17594	17594
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	161568	161568
* 78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	2000	2000
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	835	835
X0326221	MICRO-SURFACING, SINGLE PASS, TYPE II	SQ YD	49319	49319
* X0326725	WET REFLECTIVE PREFORMED PLASTIC PAVEMENT MARKINGS-LINE 6"	FOOT	40392	40392
X0326880	MESSAGE BOARD VEHICLE DRIVER	HOUR	60	60
X7010805	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 (SPECIAL)	LSUM	1	1
X0326867	RADAR SPEED TRAILER	CAL MO	1	1
X0326707	PORTABLE VEHICLE MOUNTED CHANGEABLE MESSAGE SIGN	CAL MO	1	1

\*SPECIALTY ITEMS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY: Don Bevilacqua  
DISTRICT STUDIES & PLANS ENGINEER

DATE: 3/30/10

EXAMINED BY: Richard K. [Signature]  
DISTRICT CONSTRUCTION ENGINEER

Ray L. [Signature]  
DISTRICT MATERIALS ENGINEER

James A. [Signature]  
DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND  
SUMMARY OF QUANTITIES

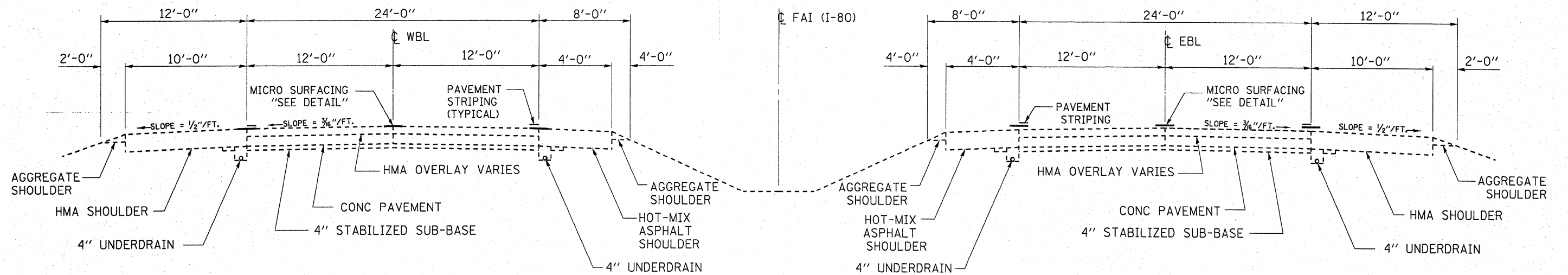
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06)-3,4RS-3; 5,6RS-2	BUREAU	6	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A16	

FILE NAME =	USER NAME = braboypc	DESIGNED -	REVISED -
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PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = Mar 30, 2010 - 08:48:30 AM		DATE -	REVISED -

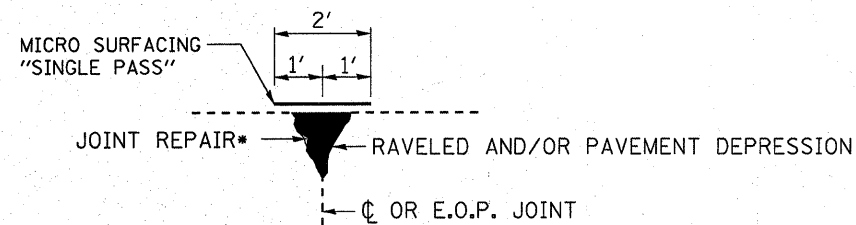
MAINLINE SCHEDULE															
LOCATION (MILE POST)(S)	Length	CENTERLINE		RIGHT EOP		LEFT EOP (1)		BIT MATERIALS PR CT	RAISED REFLECTIVE PVT MK REM	EPOXY PVT MK- LINE 4"	WET REFLECTIVE PREFORM. PLASTIC PVT MK-LINE 6"	EPOXY PVT MK- LINE 8" (2)	SHORT TERM PVT MARKINGS (4)	MIX CRACKS JTS & FLGWYS	
		PERCENT OF TOTAL LENGTH REQUIRED	MICROSURF SINGLE PASS TYPE II	PERCENT OF TOTAL LENGTH REQUIRED	MICROSURF SINGLE PASS TYPE II	PERCENT OF TOTAL LENGTH REQUIRED	MICROSURF SINGLE PASS TYPE II								
		FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD								
<b>EASTBOUND</b>															
45.6	47.9	12144	5	134.9	100	2698.7	0	227	8	12144	3036		4008	7.7	
47.9	49.2	6864	5	76.3	5	76.3	0	12	5	6864	1716		2265	0.4	
49.2	55.5	33264	5	369.6	100	7392.0	0	621	21	33264	8316		10977	21.0	
55.5	58.0	13200	100	2933.3	100	2933.3	0	469	165	13200	3300		4356	15.8	
58.7	61.6	15312	100	3402.7	100	3402.7	0	544	192	15312	3828		5053	18.4	
<b>WESTBOUND</b>															
45.6	55.5	52272	10	1161.6	100	11616.0	0	1022	87	52272	13068		17250	34.5	
55.5	58.0	13200	100	2933.3	100	2933.3	0	469	165	13200	3300		4356	15.8	
58.7	61.6	15312	100	3402.7	100	3402.7	0	544	192	15312	3828		5053	18.4	
				14414		34455	0	450	3910	835	161568	40392	2000	53317	132

1. ALTHOUGH THE PRELIMINARY SURVEY INDICATED NO MICROSURFACING REQUIRED ON LEFT EOP, THE CONTRACTOR SHOULD BE PREPARED TO PERFORM A MINIMAL AMOUNT OF WORK ON THIS SIDE
2. TO BE USED AS NEEDED NEAR GORE AREA OF EXIST AND ENTRANCE RAMPS-SEE DETAIL
3. THE CENTERLINE AND RIGHT EDGE LINE INDICATED ABOVE SHALL ALL BE RESTRIPEDED
4. A 8' DIAGONAL STRIPE SHALL BE PLACED IN THE 10' SHOULDER EVERY 100'
5. OMIT MICROSURFACING FROM MM 58.0 TO MM 58.7. THIS AREA IS SCHEDULED FOR INTERMITTANT RESURFACING LATER IN THE YEAR



**TYPICAL SECTION**

MM 45.6 TO MM 61.6 (OMIT MM 58.0 TO MM 58.7)



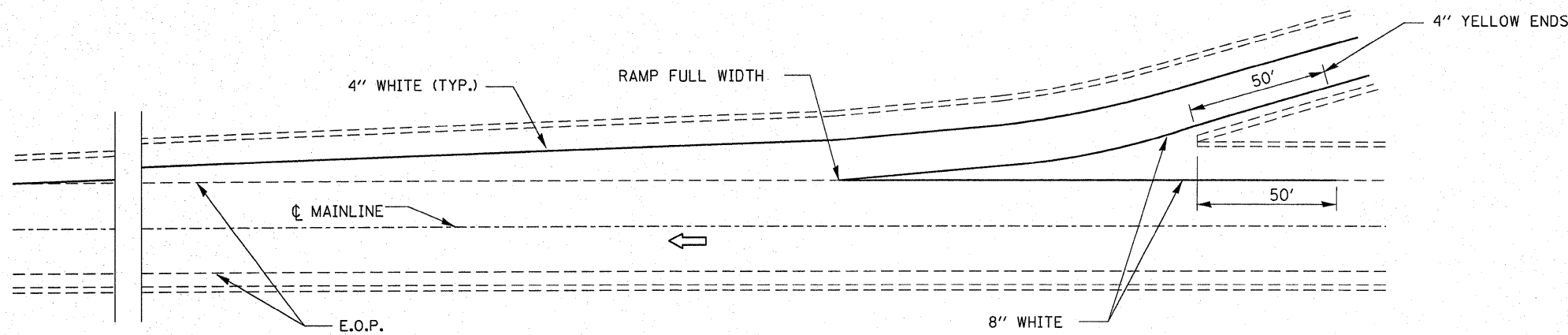
**MICRO-SURFACING DETAIL**

\* MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS

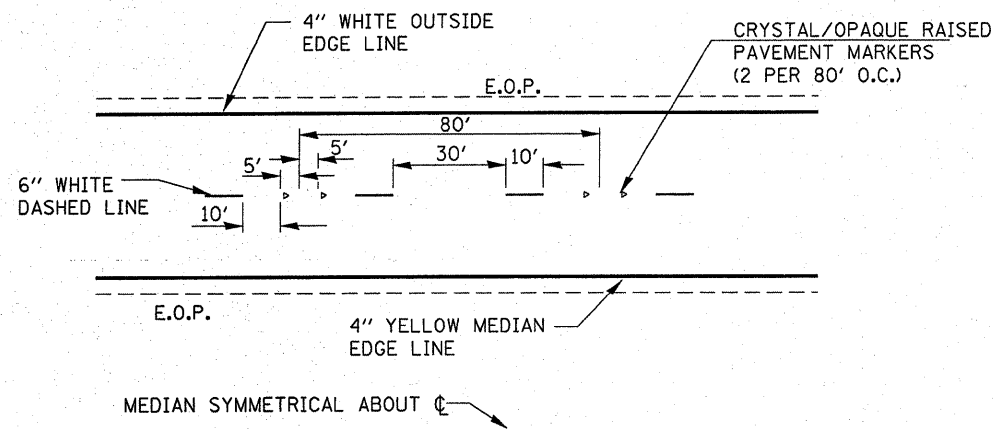
**NOTES**

- 1). LOCATIONS OF MICRO-SURFACING SHALL BE LOCATED AT THE CENTERLINE OF PAVEMENT JOINT OR A COMBINATION OF THE CENTERLINE OF PAVEMENT JOINT AND/OR EDGE OF PAVEMENT JOINTS. ACTUAL LOCATIONS SHALL BE FIELD DETERMINED BY THE ENGINEER PRIOR TO THE CONTRACTOR BEGINNING HIS/HER CONSTRUCTION OPERATIONS.
- 2). OFFSET OF THE CENTERLINE PAVEMENT STRIPING SHALL BE FIELD DETERMINED BY THE ENGINEER.

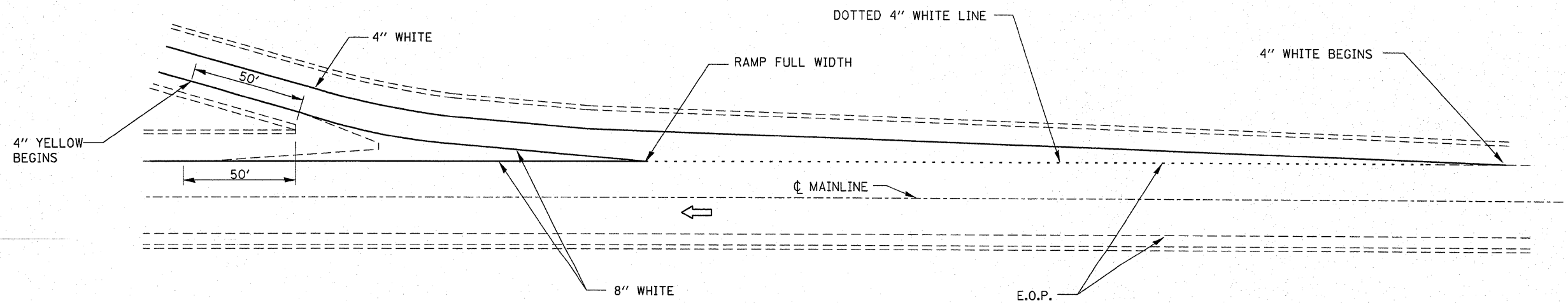
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ci:\pw\work\PIWIDOT\BRABOYPC\d8180748\d36	6a16-ahh-cover.dgn	DRAWN - RON WOODSHANK	REVISED -			80	(06-3,ARS-3; 5,6RS-2)	BUREAU	6	4	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 66A16					
	PLOT DATE = Mar 30, 2010 - 08:48:08 AM	DATE -	REVISED -			ILLINOIS					
				SCALE: _____ SHEET NO. 1 OF 1 SHEETS		STA. _____ TO STA. _____					



**TYPICAL PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS**

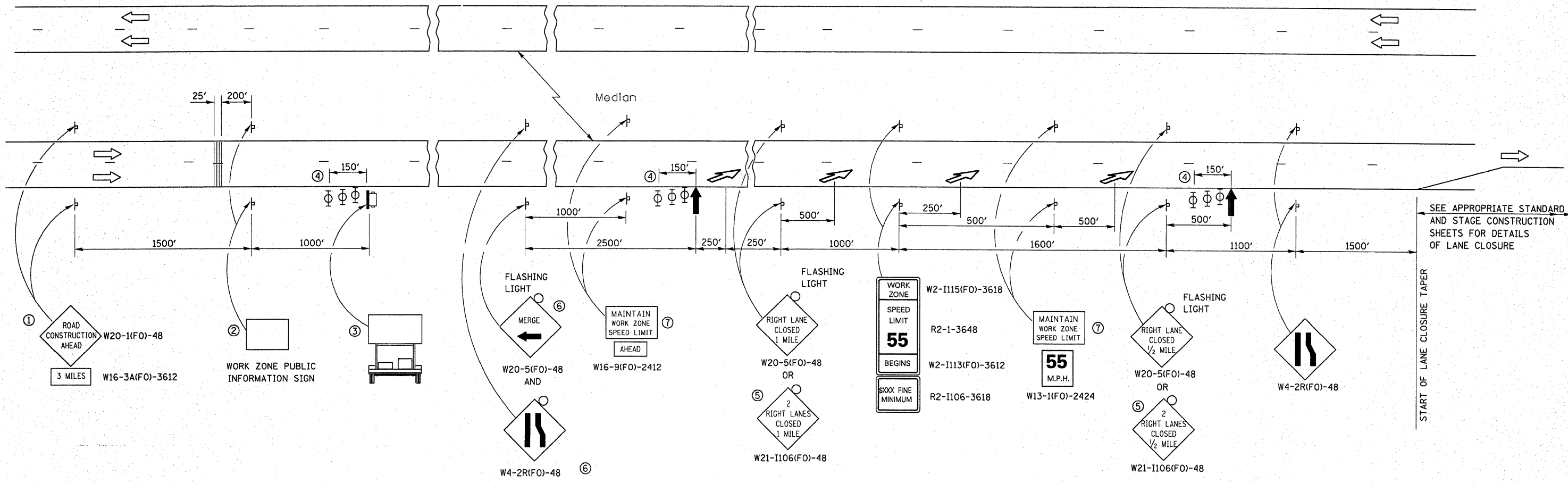


**TYPICAL PAVEMENT MARKINGS**



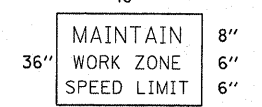
**TYPICAL PAVEMENT MARKINGS FOR EXIT RAMP TERMINALS**

FILE NAME =	USER NAME = braboypc	DESIGNED - RON WOODSHANK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL PAVEMENT MARKING</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 66A16							
PLOT DATE = Mar 30, 2010 - 08:47:53 AM	DATE -	REVISED -	ILLINOIS							
SCALE: _____ SHEET NO. 1 OF 1 SHEETS STA. _____ TO STA. _____										



- 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 50' 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 48"x36" FLUORESCENT ORANGE SIGN WITH BLACK LETTERS.  
48"



- ↑ ARROW BOARD
- ☐ PORTABLE CHANGEABLE MESSAGE SIGN
- ⊥ SIGN
- ⊕ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- ↘ LANE DROP ARROW - SEE STANDARD 780001
- ▨ TEMPORARY THERMOPLASTIC RUMBLE STRIPS

**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.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = braboypc	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STANDARD 701400 (SPECIAL)</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct\pw\work\PWIDOT\BRABDYPC\d8180748\d36\616-eh-t-cover.dgn	DRAWN -	REVISED -	80			(06-3,ARS-3; 5,6RS-2)	BUREAU	6	6	
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PLOT DATE = Mar 30, 2010 - 08:47:45 AM	DATE -	REVISED -	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT							