

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

**FAI ROUTE 80 (I-80)
SECTION D3 INTERMITTENT RS 2012-1
PROJECT : IM-080-3(137)074
INTERMITTENT RESURFACING
LASALLE COUNTY
C-93-072-11**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	LASALLE	6	1
		ILLINOIS	CONTRACT NO. 66B10	

* D3 INTERMITTENT RS 2012-1

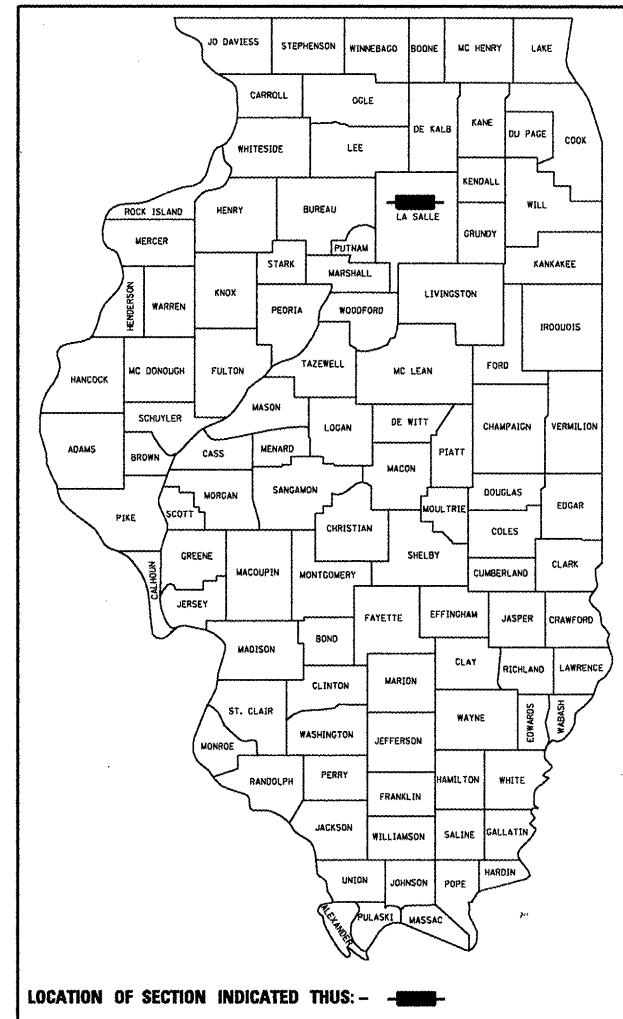
D-93-058-11

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES AND SUMMARY OF QUANTITIES
- 3 TYPICAL SECTIONS AND SCHEDULES
- 4 MAINLINE SCHEDULE
- 5-6 DETAILS

STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701101-02 OFF-RD. OPERATIONS, MULTILANE 15' TO 24" FROM PAVEMENT EDGE
- 701106-02 OFF-RD. OPERATIONS, MULTILANE MORE THAN 15' AWAY
- 701400-05 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701401-06 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701411-07 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥ 45 MPH
- 701426-04 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS



FUNCTION CLASSIFICATION INTERSTATE

2009 - ADT = 30600
P.V. = 68.7 % S.U. = 6.1 % M.U. = 25.2 %

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 15 20 11
Eric S. Thacker
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

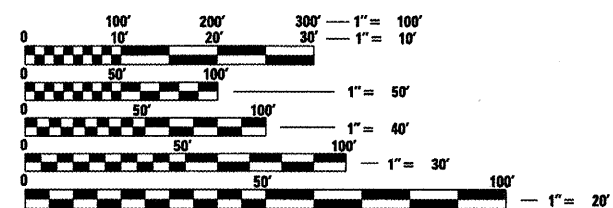
May 13 20 11
Scott E. Stitt, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 13 20 11
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

**I 80
BEGIN MILE MARKER 74.3**

**I 80
END MILE MARKER 96.6**

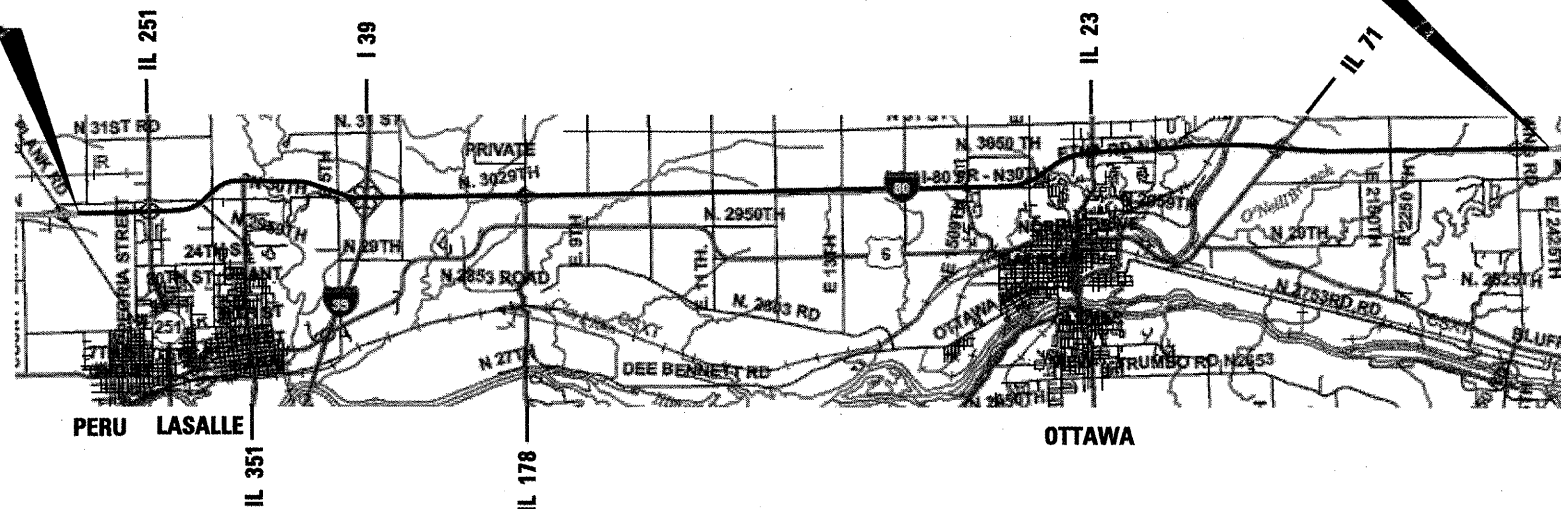


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

**PROJECT ENGINEER: CRAIG REED P.E.
PROJECT MANAGER: MARK JONES P.E.
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66B10**

GROSS LENGTH = 118,272 FT. = 22.3 MILE
NET LENGTH = 45,070 FT. = 8.54 MILE



90% FED. / 10% STATE

GENERAL NOTES
(Revised May 13, 2009)

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

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

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

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

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

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

GRANULAR MATERIALS	2.05	TONS / CU YD
BIT MATERIALS (PRIME COAT) ON AGGREGATE BASES	0.375	GAL / SQ YD
BITUMINOUS MATERIALS (PRIME COAT)	0.08	GAL / SQ YD
FOR ADDITIONAL HMA LIFTS "FOG COAT"	0.08	GAL / SQ YD
FOR ADDITIONAL HMA LIFTS "FOG COAT"	0.05	GAL / SQ YD
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD

SUMMARY OF QUANTITIES			0005
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	8138
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	19
40600745	POLYMERIZED LEVELING BINDER (HAND METHOD), N90	TON	32
40600895	CONSTRUCTING TEST STRIP	EACH	2
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	10516
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	62597
44000169	HOT-MIX ASPHALT SURFACE REMOVAL, 5"	SQ YD	600
48203017	HOT-MIX ASPHALT SHOULDERS, 5"	SQ YD	600
67100100	MOBILIZATION	L SUM	1
X7010805	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 (SPECIAL)	L SUM	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	15
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	18
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4388
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1448
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	45070
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	10968
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	6000
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1097
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1097
Z0026346	NIGHTTIME WORK ZONE LIGHTING	L SUM	1
X0326880	MESSAGE BOARD VEHICLE DRIVER	HOUR	250
X0326907	PORTABLE, VEHICLE MOUNTED, CHANGEABLE MESSAGE SIGN	CAL MO	2

* SPECIALTY ITEMS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: *D. Bronil*
DISTRICT STUDIES & PLANS ENGINEER

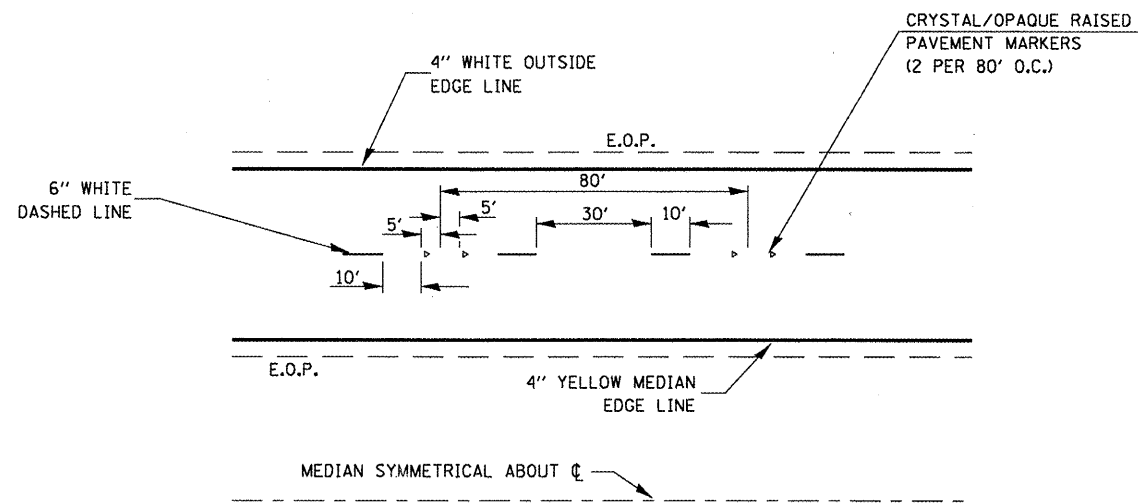
DATE: 3-15-11

EXAMINED BY: *[Signature]*
DISTRICT CONSTRUCTION ENGINEER

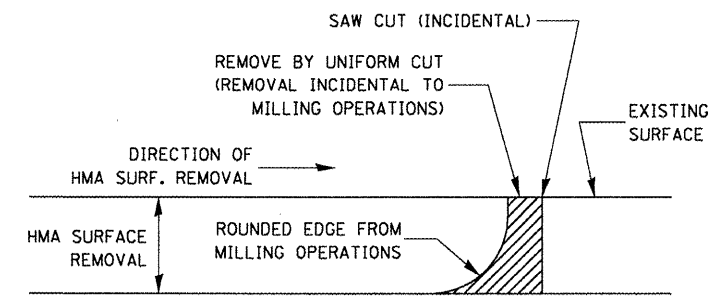
[Signature]
DISTRICT MATERIALS ENGINEER

Bruce A. Archer
DISTRICT OPERATIONS ENGINEER

MAINLINE SCHEDULE							
LOCATION MILE MARKERS		HOT-MIX ASPH. SURF. REM 3"	POLY.HOT -MIX SURF., MIX E, N90 BOTTOM LIFT	POLY. HOT MIX SURF., MIX E, N90 TOP LIFT	BIT MATL PR CT	MIX FOR CR, JTS, & FLANGEWAYS	LEVEL BINDER (HM)
	LENGTH	SQ YD	TON	TON	GAL	TON	TON
EASTBOUND DRIVING LANE							
74.50 - 74.53	200	278	23	23	36.1	0.08	0.14
74.55 - 74.57	100	139	12	12	18.1	0.04	0.07
74.60 - 74.68	400	556	47	47	72.2	0.17	0.28
74.70 - 74.79	500	694	58	58	90.3	0.21	0.35
74.85 - 74.96	600	833	70	70	108.3	0.25	0.42
75.10 - 75.14	200	278	23	23	36.1	0.08	0.14
75.20 - 75.70	2600	3611	303	303	469.4	1.08	1.81
76.20 - 76.35	800	1111	93	93	144.4	0.33	0.56
76.40 - 76.45	250	347	29	29	45.1	0.10	0.17
76.70 - 76.79	500	694	58	58	90.3	0.21	0.35
77.10 - 77.19	520	722	61	61	93.9	0.22	0.36
77.80 - 77.95	800	1111	93	93	144.4	0.33	0.56
79.00 - 79.07	350	486	41	41	63.2	0.15	0.24
79.40 - 79.52	640	889	75	75	115.6	0.27	0.44
79.60 - 79.74	720	1000	84	84	130.0	0.30	0.50
81.80 - 82.10	1600	2222	187	187	288.9	0.67	1.11
82.20 - 82.95	4000	5556	467	467	722.2	1.67	2.78
EASTBOUND PASSING LANE							
74.95 - 74.99	200	278	23	23	36.1	0.08	0.14
75.70 - 75.71	50	69	6	6	9.0	0.02	0.03
77.00 - 77.01	50	69	6	6	9.0	0.02	0.03
79.30 - 79.36	250	347	29	29	45.1	0.10	0.17
79.80 - 79.81	50	69	6	6	9.0	0.02	0.03
80.10 - 80.20	500	694	58	58	90.3	0.21	0.35
80.30 - 80.50	1000	1389	117	117	180.6	0.42	0.69
80.70 - 80.71	50	69	6	6	9.0	0.02	0.03
81.70 - 81.74	200	278	23	23	36.1	0.08	0.14
82.40 - 82.44	200	278	23	23	36.1	0.08	0.14
82.90 - 82.94	250	347	29	29	45.1	0.10	0.17
94.40 - 94.70	1600	2222	187	187	288.9	0.67	1.11
WESTBOUND DRIVING LANE							
96.10 - 96.09	120	167	14	14	21.7	0.05	0.08
95.70 - 95.68	120	167	14	14	21.7	0.05	0.08
93.40 - 93.06	1800	2500	210	210	325.0	0.75	1.25
93.00 - 92.99	100	139	12	12	18.1	0.04	0.07
92.90 - 92.89	100	139	12	12	18.1	0.04	0.07
92.30 - 92.24	300	417	35	35	54.2	0.13	0.21
81.90 - 81.89	100	139	12	12	18.1	0.04	0.07
81.80 - 81.74	300	417	35	35	54.2	0.13	0.21
81.30 - 80.70	3200	4444	373	373	577.8	1.33	2.22
79.40 - 79.00	200	278	23	23	36.1	0.08	0.14
78.92 - 79.83	500	694	58	58	90.3	0.21	0.35
78.70 - 78.50	1100	1528	128	128	198.6	0.46	0.76
78.40 - 78.20	1100	1528	128	128	198.6	0.46	0.76
78.00 - 77.99	50	69	6	6	9.0	0.02	0.03
77.79 - 77.75	2400	3333	280	280	433.3	1.00	1.67
77.70 - 77.61	500	694	58	58	90.3	0.21	0.35
77.60 - 77.59	50	69	6	6	9.0	0.02	0.03
77.58 - 77.57	50	69	6	6	9.0	0.02	0.03
77.50 - 77.49	50	69	6	6	9.0	0.02	0.03
77.40 - 77.29	600	833	70	70	108.3	0.25	0.42
77.15 - 77.05	500	694	58	58	90.3	0.21	0.35
76.80 - 76.30	2600	3611	303	303	469.4	1.08	1.81
75.50 - 75.70	1100	1528	128	128	198.6	0.46	0.76
75.40 - 75.35	250	347	29	29	45.1	0.10	0.17
75.20 - 74.90	0	0	0	0	0.0	0.00	0.00
74.80 - 74.70	520	722	61	61	93.9	0.22	0.36
74.31 - 74.30	50	69	6	6	9.0	0.02	0.03
WESTBOUND PASSING LANE							
83.30 - 83.10	1060	1472	124	124	191.4	0.44	0.74
83.00 - 82.80	1060	1472	124	124	191.4	0.44	0.74
82.60 - 81.60	5280	7333	616	616	953.3	2.20	3.67
77.60 - 77.58	100	139	12	12	18.1	0.04	0.07
77.20 - 77.18	100	139	12	12	18.1	0.04	0.07
77.10 - 77.00	530	736	62	62	95.7	0.22	0.37
TOTAL	45070	62597	5258	5258	8137.6	18.78	31.30

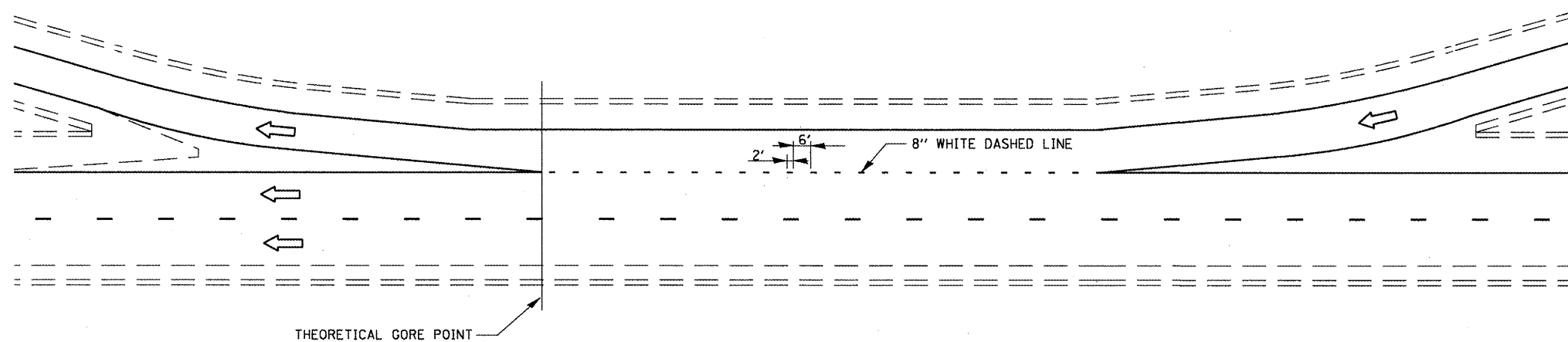


TYPICAL PAVEMENT MARKINGS



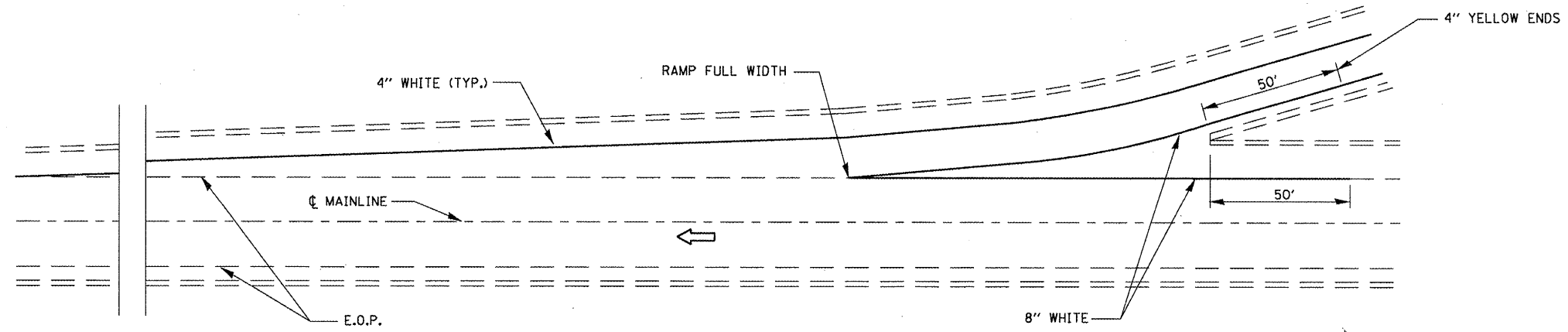
NOTE:
 WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS

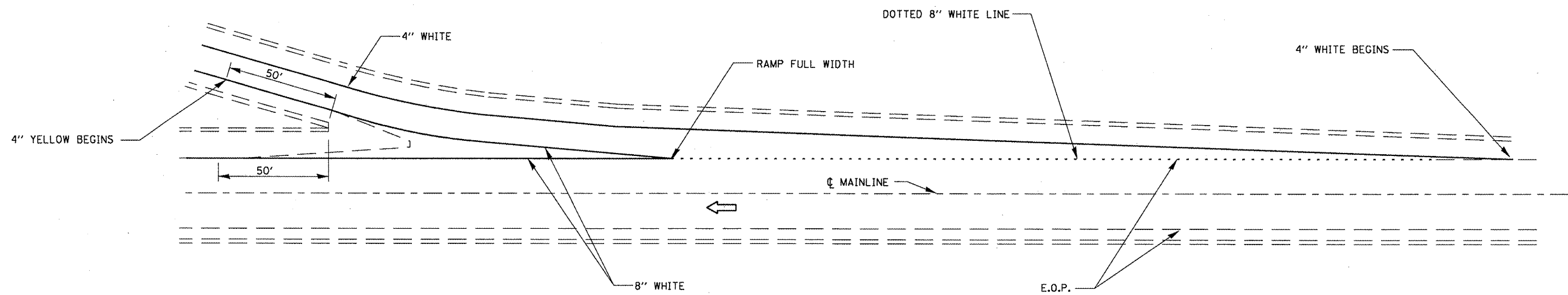


TYPICAL CLOVERLEAF LOOP RAMP MARKINGS

FILE NAME =	USER NAME = waslewskim	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
c:\pw_work\pwidot\waslewskim\d0250269\	0366810-sht-details.DGN	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	80	*	LASALLE	6	5
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -								*	D3 INTERMITTENT RS 2012-1	CONTRACT NO. 66B10		
	PLOT DATE = Mar 11, 2011 - 11:53:26 AM	DATE -	REVISED -									ILLINOIS FED. AID PROJECT			



TYPICAL PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS



TYPICAL PAVEMENT MARKINGS FOR EXIT RAMP TERMINALS

FILE NAME =	USER NAME = wasilewskim	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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	PLOT DATE = Mar 11, 2011 - 11:53:39 AM	DATE -	REVISED -								ILLINOIS FED. AID PROJECT				