

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-2,3,4,5,6)	LASALLE	6	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 66927		

**D-93-038-09**

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

**PROPOSED  
HIGHWAY PLANS**

**FAI ROUTE 80 (I-80)  
SECTION (50-2,3,4,5,6)  
PROJECT ESP-080-3 (130) 073  
LASALLE COUNTY**

**C - 93 - 062 - 09**

**PROJECT DESCRIPTION-  
INTERMITTENT RESURFACING IN LASALLE COUNTY**

- INDEX OF SHEETS**
- 1 COVER SHEET
  - 2 GENERAL NOTES & SUMMARY OF QUANTITIES
  - 3 TYPICAL SECTIONS
  - 4 SCHEDULES
  - 5-6 DETAILS

**STANDARDS**

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701400-03 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701401-05 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701411-05 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS P 45 MPH
- 701426-03 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS P 45 MPH
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

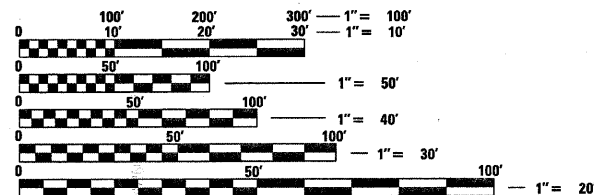
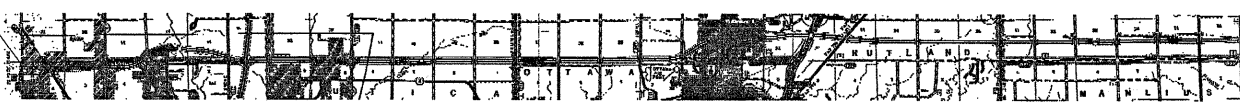


PROJECT BEGINS BUREAU/LASALLE  
COUNTY LINE



PROJECT ENDS GRUNDY/LASALLE  
COUNTY LINE

MICROFILMED \_\_\_\_\_  
REEL NUMBER \_\_\_\_\_  
AWARDED \_\_\_\_\_  
RESIDENT ENGINEER \_\_\_\_\_  
AS BUILT CHANGES WERE MADE  
ON THE FOLLOWING SHEETS \_\_\_\_\_



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**

DISTRICT 3 NO. (815) 434-6131  
**CONTRACT NO. 66927**

GROSS LENGTH = 29.99 MI.  
NET LENGTH = 5.07 MI.

**FUNCTION CLASSIFICATION**

**INTERSTATE**

2007 ADT = 28,100

P.V. = 61 S.U. = 10% M.U. = 29%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED \_\_\_\_\_ 20 \_\_\_\_\_

*Darryl Pagan*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 13, 20 09  
*Charles J. Ingersoll*  
ENGINEER OF DESIGN AND ENVIRONMENT

March 13, 20 09  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

PLOT DATE = Jan 26, 2009 - 04:23:20 PM  
FILE NAME = c:\pav\_wor\_k\pav\dot\braboy\pc\d0118450\d366927-sht-cover.dgn  
PLOT SCALE = 47.8261 / IN.  
USER NAME = braboypc

**GENERAL NOTES**  
(Revised October 5, 2006)

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
P BITUMINOUS MAT PRIME COAT	0.1	GAL / SQ YD OR
P BITUMINOUS MAT PR CT (FOG CT)	0.08	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

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

SUMMARY OF QUANTITIES			100% FED
CODE NO.	CONSTRUCTION CODE TYPE: ITEM	UNIT	I000
			TOTAL QUANTITY
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	5188
40600300	AGGREGATE (PRIME COAT)	TON	62
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10
40600755	POLYMERIZED LEVELING BINDER (HAND METHOD), N105	TON	16
40600895	CONSTRUCTING TEST STRIP	EACH	1
40603245	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N105	TON	4244
40603575	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N105	TON	2818
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	939
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	2816
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	19712
44000169	HOT-MIX ASPHALT SURFACE REMOVAL, 5"	SQ YD	7573
48203017	HOT-MIX ASPHALT SHOULDERS, 5"	SQ YD	600
67100100	MOBILIZATION	L SUM	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	4594
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1516
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	26800
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5644
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	564
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	564
X0325702	NIGHTTIME WORK ZONE LIGHTING	L SUM	1

\* SPECIALTY ITEMS

MIX	PG GRADE	MIX DESIGN				
		MAX % RAP ALLOWABLE **	DESIGN AIR VOIDS	MIX COMPOSITION	FRICTION AGG	DENSITY CONTROL
POLYMERIZED HMA SURFACE/HMA SHOULDERS	SBS/PG 70-22	10%	4.0% @N105	IL 12.5 or IL 9.5	MIXTURE E	NUCLEAR/CORES
POLYMERIZED HMA BINDER	SBS/PG 70-22	10%	4.0% @N105	IL 19.0		NUCLEAR/CORES

\*\* IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

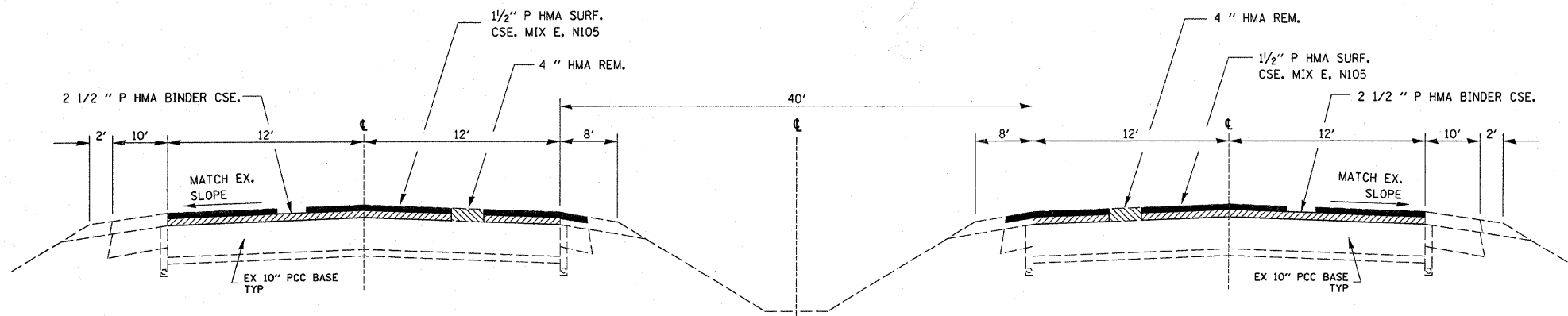
PREPARED BY: *Richard Powell*  
DISTRICT STUDIES & PLANS ENGINEER

DATE: 1-30-09

EXAMINED BY: *Heidi Jung*  
DISTRICT CONSTRUCTION ENGINEER

*Shawn P. Phillips*  
DISTRICT MATERIALS ENGINEER

*James A. Anderson*  
DISTRICT OPERATIONS ENGINEER



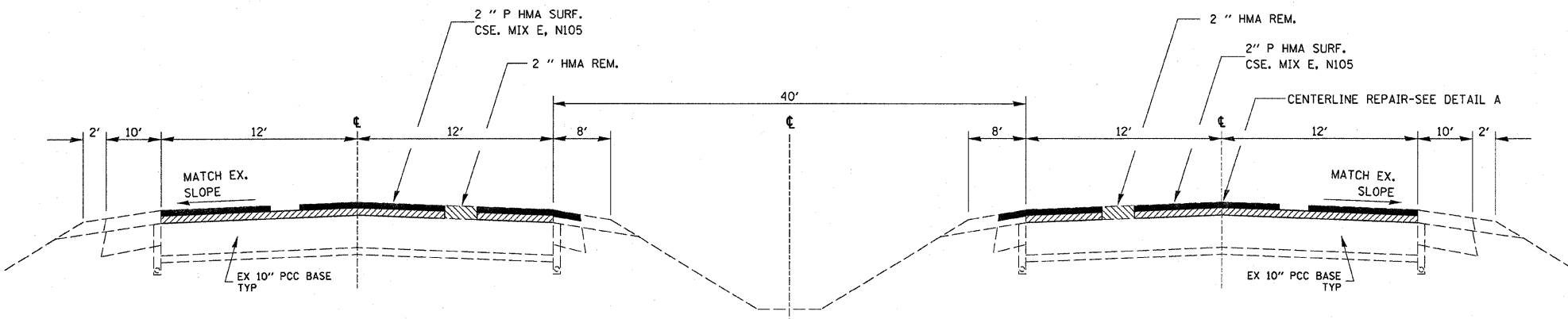
**TYPICAL SECTION\***

MILE MARKER 73.0 TO 83.5

**WEST BOUND**

**EAST BOUND**

**\*THE MILLING DEPTHS HAVE BEEN SET BY MATERIALS BASE ON CORES TAKEN. IF CHANGES TO THE LOCATIONS OF INTERMITTANT RESURFACING ARE MADE, THE DEPTHS OF MILLING INDICATED SHALL REMAIN AS SHOWN ON THESE THREE TYPICAL SECTIONS**

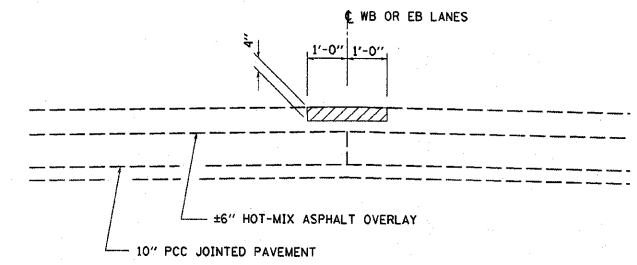


**TYPICAL SECTION\***

MILE MARKER 83.5 TO 93.5

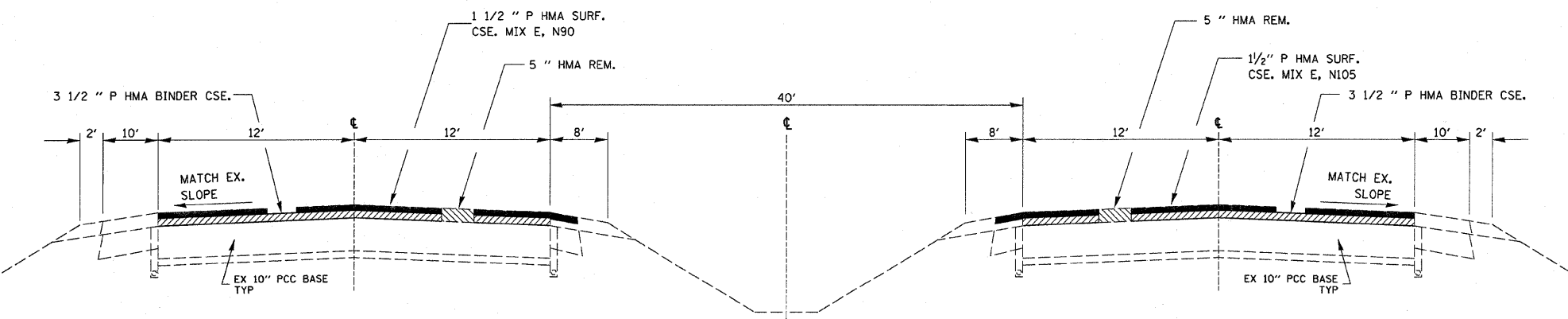
**WEST BOUND**

**EAST BOUND**



**DETAIL A**

HMA SURF REMOVAL SPECIAL



**TYPICAL SECTION\***

MILE MARKER 93.5 TO 104.0

**WEST BOUND**

**EAST BOUND**

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	PLOT DATE = Jan 27, 2009 - 04:11:36 PM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_ OF \_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-2,3,4,5,6)	BUREAU	6	3
CONTRACT NO. 66927				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

MAINLINE SCHEDULE											
LOCATION MILE MARKERS		CENTERLINE REPAIR HMA SURF REM SPECIAL SQ YD	HOT-MIX ASPH. SURF. REM 2" SQ YD	HOT-MIX ASPH. SURF. REM 4" SQ YD	HOT-MIX ASPH. SURF. REM 5" SQ YD	POLY. HOT-MIX ASPH. SURF. MIX E N105 TON	POLY. HOT-MIX ASPH. BINDER IL-19.0 N105 TON	POLY. BIT MATL PR CT GAL	AGG PR CT TON	MIX FOR CR, JTS, & FLANGEWAYS TON	LEVEL BINDER (HM) TON
<b>LASALLE COUNTY</b>											
EASTBOUND DRIVING LANE											
75.8 TO 76.1	1584			2112		177	296	380.2	4.2	0.63	1.06
77.4 TO 77.7	1584			2112		177	296	380.2	4.2	0.63	1.06
78.9 TO 79.2	1584			2112		177	296	380.2	4.2	0.63	1.06
80.2 TO 80.3	528			704		59	99	126.7	1.4	0.21	0.35
89.3 TO 89.7	2112		2816			315		225.3	5.6	0.84	1.41
89.9 TO 90.2	1584	352				79		28.2	0.7	0.11	0.18
93.8 TO 93.9	528				704	59	138	126.7	1.4	0.21	0.35
95.1 TO 95.6	2640				3520	296	690	633.6	7.0	1.06	1.76
EASTBOUND PASSING LANE											
75.8 TO 76.1	1584			2112		177	296	380.2	4.2	0.63	1.06
96 TO 96.2	1056				1408	118	276	253.4	2.8	0.42	0.70
WESTBOUND DRIVING LANE											
75.6 TO 76	2112			2816		237	394	506.9	5.6	0.84	1.41
77 TO 77.1	528			704		59	99	126.7	1.4	0.21	0.35
77.2 TO 77.3	528			704		59	99	126.7	1.4	0.21	0.35
78.4 TO 78.5	528			704		59	99	126.7	1.4	0.21	0.35
78.5 TO 78.7	1056	235				53		18.8	0.5	0.07	0.12
80.1 TO 80.2	528			704		59	99	126.7	1.4	0.21	0.35
81.3 TO 81.5	1056			1408		118	197	253.4	2.8	0.42	0.70
88.7 TO 90	1584	352				79		28.2	0.7	0.11	0.18
93.8 TO 93.9	528				704	59	138	126.7	1.4	0.21	0.35
95.7 TO 95.8	300				400	34	78	72.0	0.8	0.12	0.20
100.9 TO 101	528				704	59	138	126.7	1.4	0.21	0.35
WESTBOUND PASSING LANE											
75.6 TO 76	2112			2816		237	394	506.9	5.6	0.84	1.41
77.2 TO 77.3	528			704		59	99	126.7	1.4	0.21	0.35
<b>GRUNDY COUNTY</b>											
WESTBOUND DRIVING LANE											
103.7 TO 103.8	100				133	11	26				
<b>TOTAL</b>	<b>26800</b>	<b>939</b>	<b>2816</b>	<b>19712</b>	<b>7573</b>	<b>2818</b>	<b>4244</b>	<b>5187.8</b>	<b>61.8</b>	<b>9.27</b>	<b>15.45</b>

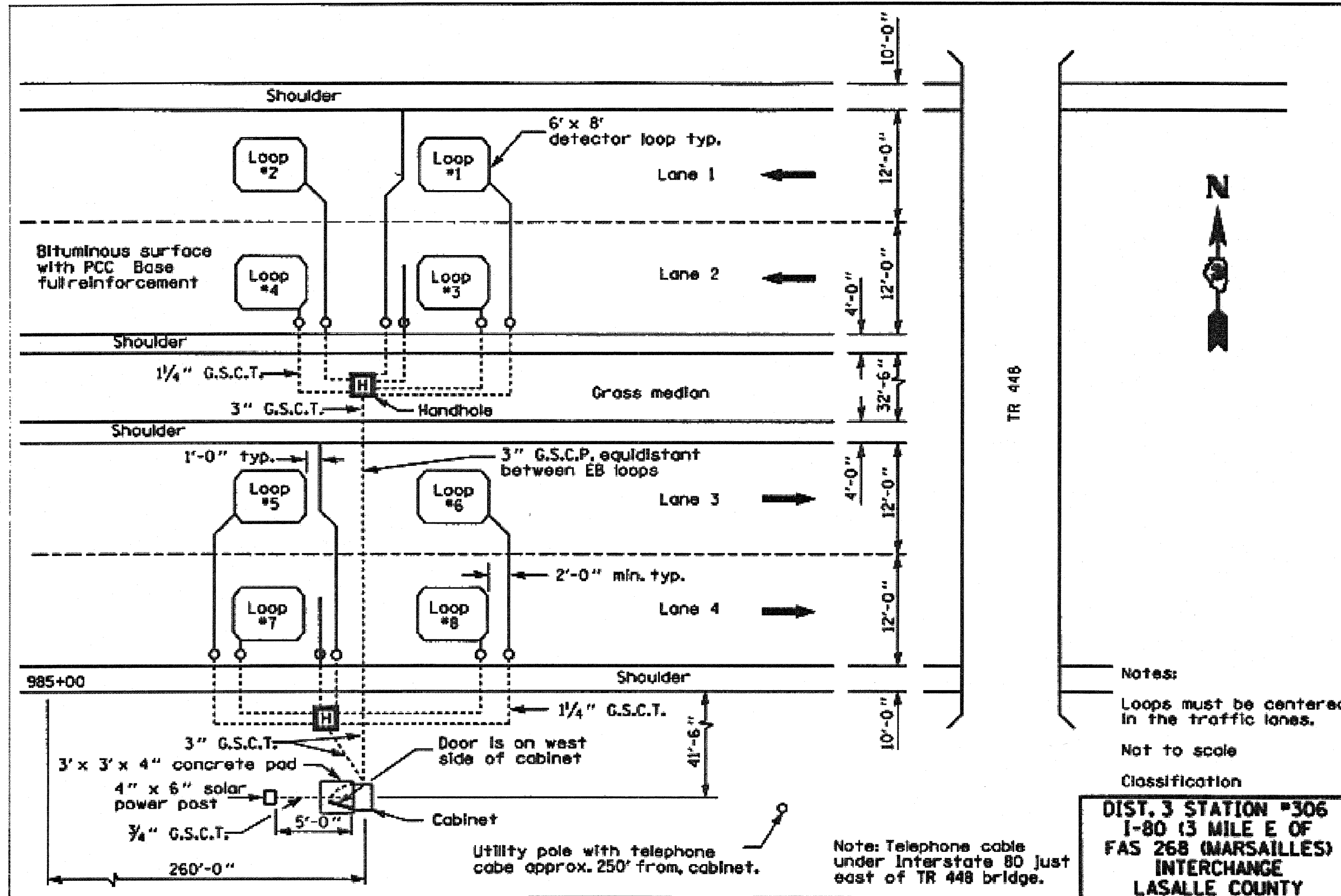
LOOPS IN PAVEMENT IN AREA AROUND MM99.8-OMIT-DO NOT DISTURB-SEE DETAIL

SHOULDER REPAIR*		
LOCATION MILE MARKERS	HMA SURF. REM 5" SQ YD	HMA SHLD 5" TON
LASALLE COUNTY VARIOUS LOCATIONS	600	600
<b>TOTAL</b>	<b>600</b>	<b>600</b>

\* THIS ITEM IS A CONTINGENCY ITEM TO REPAIR HMA SHOULDER DUE TO TRAFFIC DAMAGE TO SHOULDER DURING PAVING OF MAINLINE

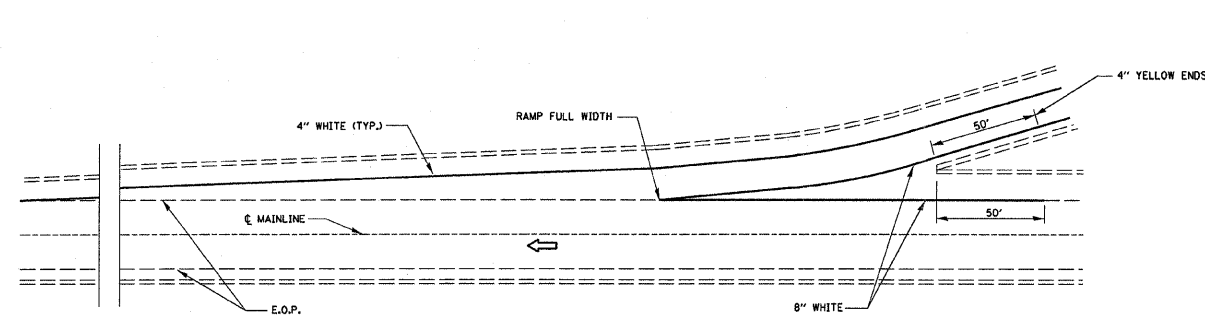
PAVEMENT MARKING SCHEDULE							
LOCATION STATION TO STATION	LENGTH	THERMO PVMT MARK LINE 4" FOOT	THERMO PVMT MARK LINE 6" FOOT	RAISED REFLEC PVT MK EACH	RAISED REFLEC PVT MK REMO EACH	SHORT-TERM PVT. MARK. FOOT	WORK-ZONE PVT. MARK. REM. SQ FT
<b>LASALLE COUNTY</b>							
EASTBOUND DRIVING LANE							
75.8 TO 76.1	1584	1584	396	40	40	158	52
77.4 TO 77.7	1584	1584	396	40	40	158	52
78.9 TO 79.2	1584	1584	396	40	40	158	52
80.2 TO 80.3	528	528	132	13	13	53	17
89.3 TO 89.7	2112	2112	528	53	53	211	70
89.9 TO 90.2	1584	1584	396	40	40	158	52
93.8 TO 93.9	528	528	132	13	13	53	17
95.1 TO 95.6	2640	2640	660	66	66	264	87
EASTBOUND PASSING LANE							
75.8 TO 76.1	1584	1584					
96 TO 96.2	1056	1056	264		26	106	35
WESTBOUND DRIVING LANE							
75.6 TO 76	2112	2112	528	53	53	211	70
77 TO 77.1	528	528	132	13	13	53	17
77.2 TO 77.3	528	528	132	13	13	53	17
78.4 TO 78.5	528	528	132	13	13	53	17
78.5 TO 78.7	1056	1056	264	26	26	106	35
80.1 TO 80.2	528	528	132	13	13	53	17
81.3 TO 81.5	1056	1056	264	26	26	106	35
88.7 TO 90	1584	1584	396	40	40	158	52
93.8 TO 93.9	528	528	132	13	13	53	17
95.7 TO 95.8	300	300	75	8	8	30	10
100.9 TO 101	528	528	132	13	13	53	17
WESTBOUND PASSING LANE							
75.6 TO 76	2112	2112					
77.2 TO 77.3	528	528					
<b>GRUNDY COUNTY</b>							
WESTBOUND DRIVING LANE							
103.7 TO 103.8	100	100	25	3	3	10	3
<b>TOTAL</b>	<b>26800</b>	<b>26800</b>	<b>5644</b>	<b>564</b>	<b>564</b>	<b>2258</b>	<b>745</b>

ANY DAMAGE TO TRAFFIC COUNT INDUCTOR  
 LOOPS CAUSED BY THE CONTRACTOR  
 SHALL BE REPAIRED TO THE SATISFACTION  
 OF THE DEPARTMENT AT THE EXPENSE OF  
 THE CONTRACTOR

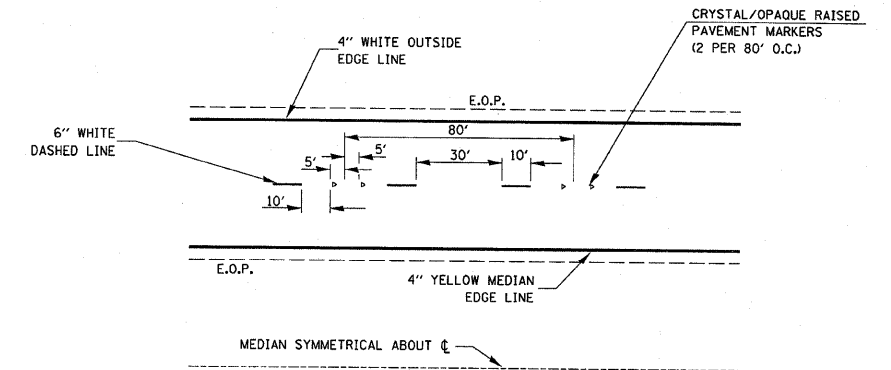


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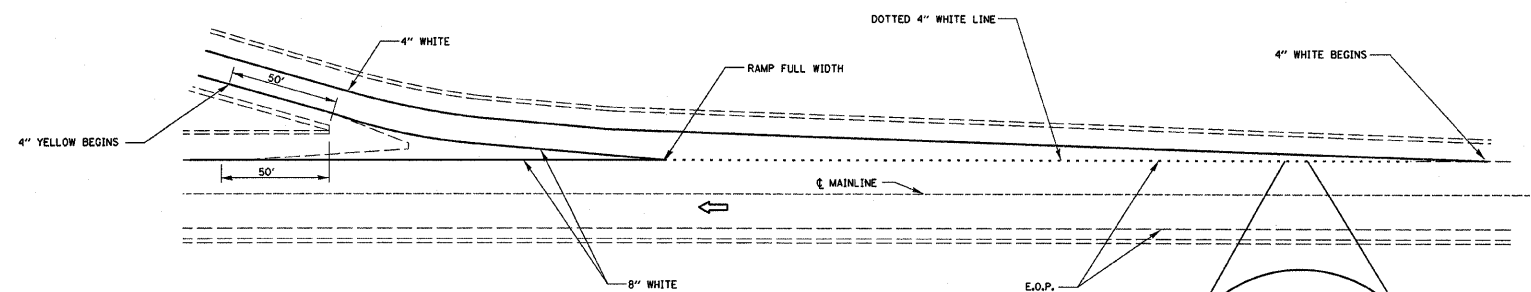
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c:\pwwork\pwwork\braboygo\d0118450\d36927-sht-cover.dgn	DRAWN -	REVISED -	80			(50-2,3,4,5,6)	LASALLE	6	5	
PLOT SCALE = 47.8261' / IN.	CHECKED -	REVISED -	CONTRACT NO. 66927							
PLOT DATE = Jan 26, 2009 - 04:25:11 PM	DATE -	REVISED -	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							



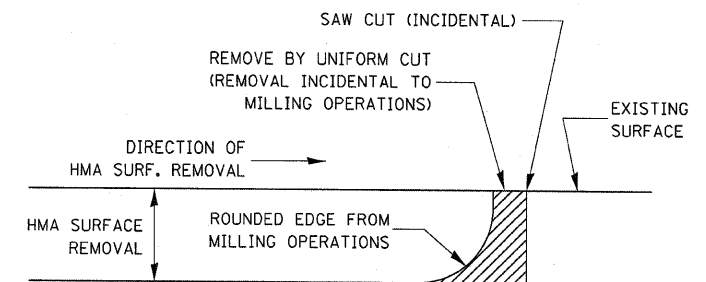
**TYPICAL PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS**



**TYPICAL PAVEMENT MARKINGS**



**TYPICAL PAVEMENT MARKINGS FOR EXIT RAMP TERMINALS**



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**

FILE NAME =	USER NAME = braboygo	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = Jan 26, 2009 - 04:25:00 PM	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					