

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	INTERMITTANT RESURFACING 2008	LASALLE	6	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 66774		

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PROPOSED**  
**HIGHWAY PLANS**

**D-93-043-08**

**INDEX OF SHEETS**

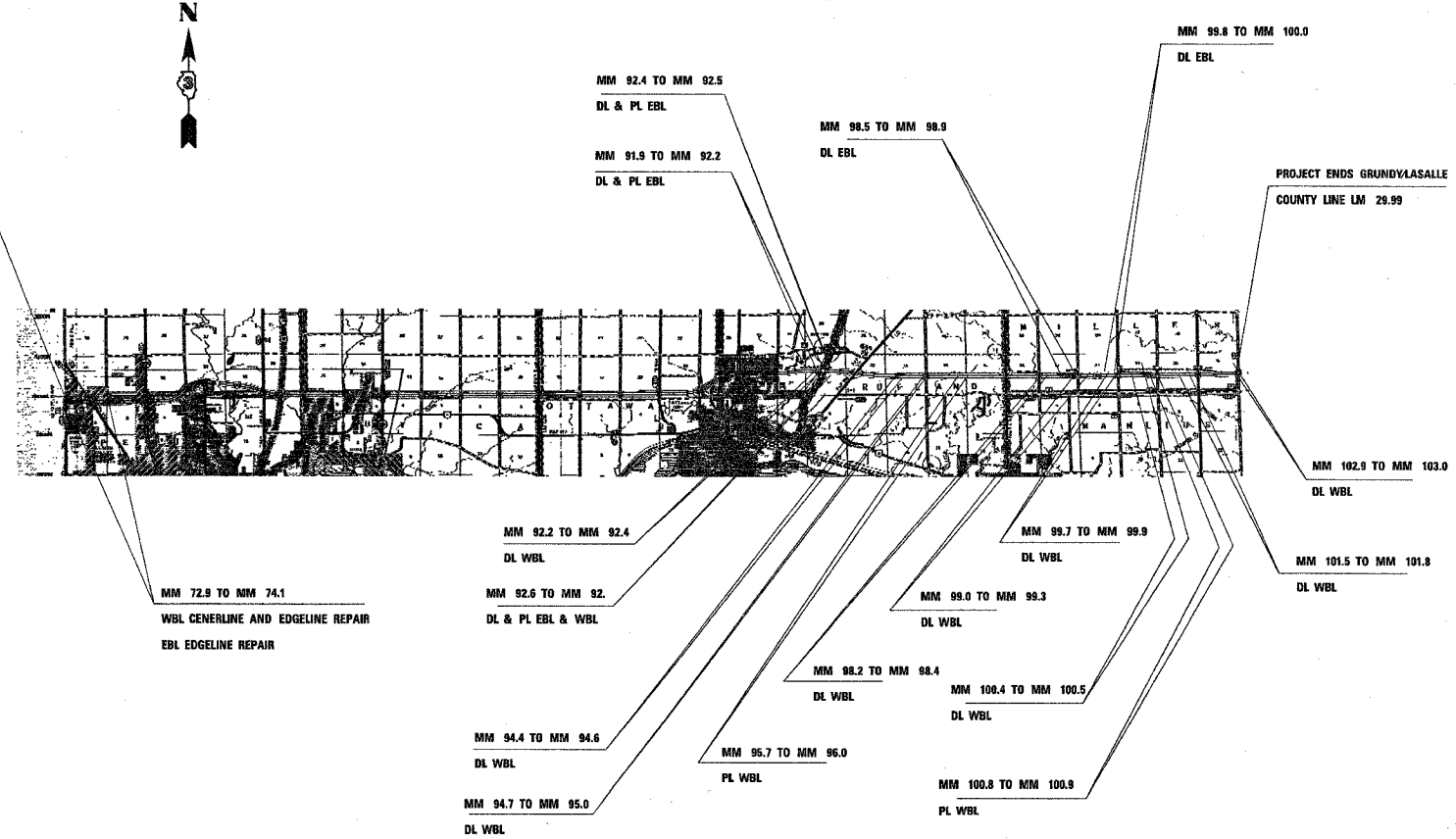
1	COVER SHEET
2	GENERAL NOTES & SUMMARY OF QUANTITIES
3	TYPICAL SECTIONS
4	SCHEDULES
5-6	DETAILS

**STANDARDS**

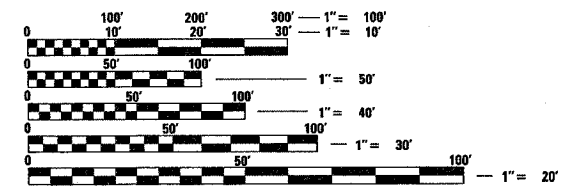
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-04	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-04	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥ 45 MPH
701426-02	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701901	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS

**FAI ROUTE 80 (I-80)**  
**SECTION INTERMITTANT RESURFACING 2008**  
**PROJECT IM-080-3(128)073**  
**LASALLE COUNTY**

**C - 93 - 070 - 08**  
**PROJECT DESCRIPTION**



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. 66774**

**GROSS LENGTH = 29.99 MI.**  
**NET LENGTH = 4.5 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\_\_\_\_

*George A. Ryan*  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*May 9, 2008*  
*Eric E. Hagan*  
 ENGINEER OF DESIGN AND ENVIRONMENT

*May 9, 2008*  
*Christine M. Reed*  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY**  
**OF THE STATE OF ILLINOIS**

PLOT DATE = Mar 18, 2008 - 03:52:18 PM  
 FILE NAME = c:\projects\66774\66774-sh-t-cover.dgn  
 PLOT SCALE = 50.0000 / IN.  
 USER NAME = br-aboypc

**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
BITUMINOUS MAT PRIME COAT	0.08	GAL / SQ YD OR
	0.375	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

**SUMMARY OF QUANTITIES**

CODE NO.	CONSTRUCTION CODE TYPE: ITEM	UNIT	90% FED. 10% STATE
			1000 TOTAL QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2460
40600300	AGGREGATE (PRIME COAT)	TON	62
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10
40600545	LEVELING BINDER (HAND METHOD), N90	TON	15
40603245	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N105	TON	3726
40603575	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N105	TON	2911
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	3286
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	8448
44000169	HOT-MIX ASPHALT SURFACE REMOVAL, 5"	SQ YD	19608
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	45936
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4256
78000620	THERMOPLASTIC PAVEMENT MARKING - LINE 18"	FOOT	12
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	106
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	106
Xo 325 702	NIGHTTIME WORK ZONE LIGHTING	L SUM	1

\* SPECIALTY ITEMS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY: Rich Farrell  
DISTRICT STUDIES & PLANS ENGINEER

DATE: 3-19-08

EXAMINED BY: [Signature]  
DISTRICT CONSTRUCTION ENGINEER

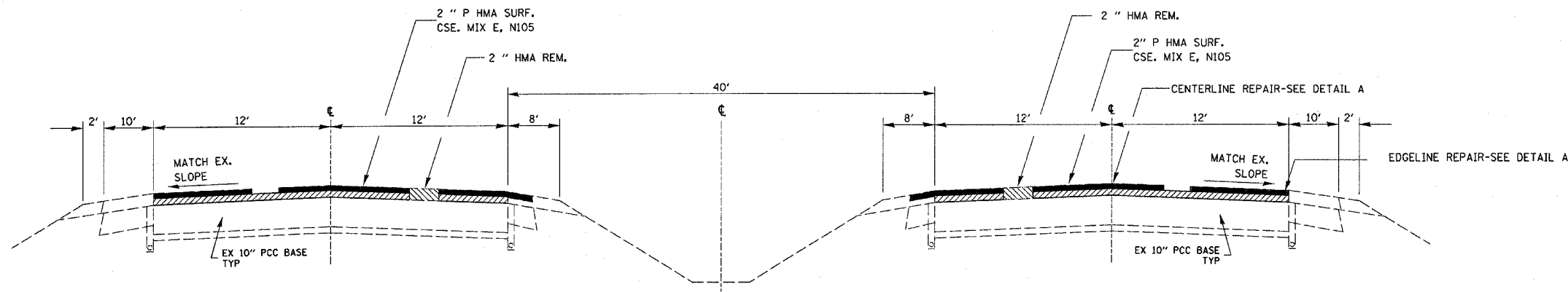
[Signature]  
DISTRICT MATERIALS ENGINEER

[Signature]  
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = brcbayac	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
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PLOT SCALE = 47.8261' / IN.	CHECKED -	REVISED -	CONTRACT NO. 66774						
PLOT DATE = Mar 18, 2008 - 04:24:46 PM	DATE -	REVISED -	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT						

MIX DESIGN						
MIX	PG GRADE	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

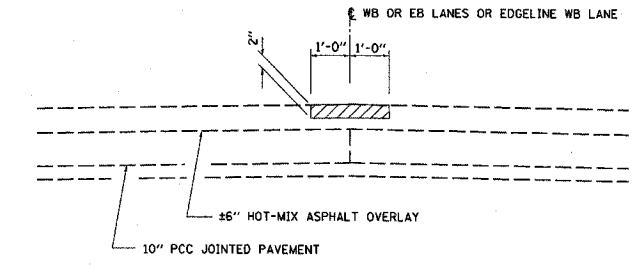
\*\* IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER



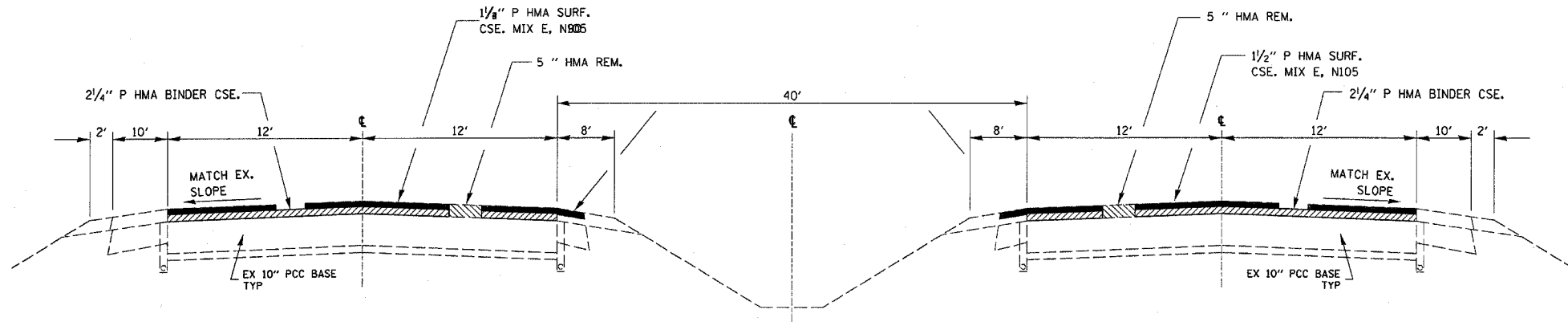
**TYPICAL SECTION**  
MILE MARKER 72.9 TO 74.1 AND  
MILE MARKER 91.9 TO 94.8

**WEST BOUND**

**EAST BOUND**



**DETAIL A**  
HMA SURF REMOVAL SPECIAL



**TYPICAL SECTION**  
MILE MARKER 94.4 TO 103.0

**WEST BOUND**

**EAST BOUND**

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**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.
BQ	INTERMEDIATE RESURFACING, 2008	BUREAU	6	3
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 66774	

MAINLINE SCHEDULE											
LOCATION MILE MARKERS		CENTERLINE REPAIR HMA SURF REM SPECIAL	EDGE LINE REPAIR HMA SURF REM SPECIAL	HOT-MIX ASPH. SURF. REM 2"	HOT-MIX ASPH. SURF. REM 5"	POLY. HOT-MIX ASPH. SURF. MIX E N105	POLY. HOT-MIX ASPH. BINDER IL-19.0 N105	BIT MATL PR CT	AGG PR CT	MIX FOR CR, JTS, & FLANGEWAYS	LEVEL BINDER (HM)
	LENGTH	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	GAL	TON	TON	TON
<b>LASALLE COUNTY</b>											
<b>EASTBOUND DRIVING LANE</b>											
72.9 TO 74.1**	6336		470			53		37.6	0.9	0.14	0.24
91.9 TO 92.2	1584			2112		237		169.0	4.2	0.63	1.06
92.4 TO 92.5	528			704		79		56.3	1.4	0.21	0.35
98.5 TO 98.9	2112				2816	237	552	225.3	5.6	0.84	1.41
99.8 TO 100	1056				1408	118	276	112.6	2.8	0.42	0.70
<b>EASTBOUND PASSING LANE</b>											
91.9 TO 92.2	1584			2112		237		169.0	4.2	0.63	1.06
92.4 TO 92.5	528			704		79		56.3	1.4	0.21	0.35
<b>WESTBOUND DRIVING LANE</b>											
72.9 TO 74.1	6336	1408	1408			315		225.3	5.6	0.84	0.70
92.2 TO 92.4	1056			1408		158		112.6	2.8	0.42	0.70
92.6 TO 92.8	1056			1408		158		112.6	2.8	0.42	0.70
94.4 TO 94.6	1056				1408	118	276	112.6	2.8	0.42	0.70
94.7 TO 95	1584				2112	177	414	169.0	4.2	0.63	1.06
98.2 TO 98.4	1056				1408	118	276	112.6	2.8	0.42	0.70
99 TO 99.3	1584				2112	177	414	169.0	4.2	0.63	1.06
99.7 TO 99.9*	1056				1408	118	276	112.6	2.8	0.42	0.70
100.4 TO 100.5	528				704	59	138	56.3	1.4	0.21	0.35
101.5 TO 101.8	1584				2112	177	414	169.0	4.2	0.63	1.06
102.9 TO 103	528				704	59	138	56.3	1.4	0.21	0.35
<b>WESTBOUND PASSING LANE</b>											
95.7 TO 96	1584				2112	177	414	169.0	4.2	0.63	1.06
100.8 TO 100.9	528				704	59	138	56.3	1.4	0.21	0.35
<b>TOTAL</b>	<b>33264</b>	<b>1408</b>	<b>1878</b>	<b>8448</b>	<b>19008</b>	<b>2911</b>	<b>3726</b>	<b>2459.4</b>	<b>61.5</b>	<b>9.22</b>	<b>14.67</b>

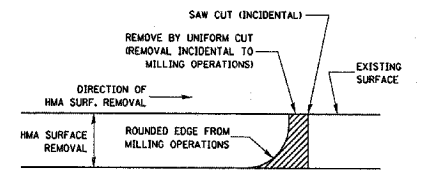
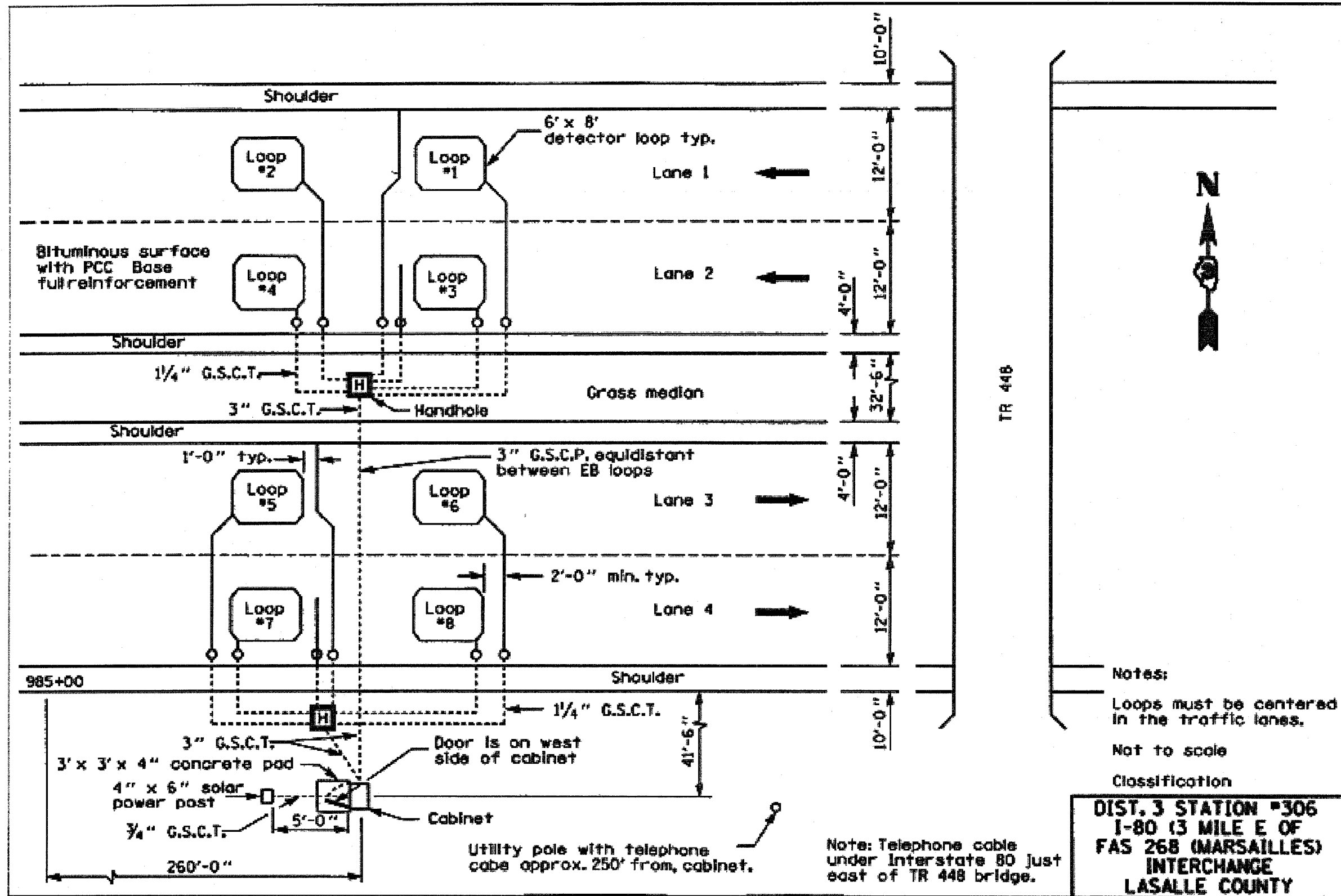
\* LOOPS IN PAVEMENT IN THIS AREA-OMIT-DO NOT DISTURB-SEE DETAIL  
 \*\*WORK IN THIS AREA (MM 72.9 TO MM 74.1 (EBL, DL)) IS THE 2' SPECIAL MILLING AT THE EDGE OF PAVEMENT. THE WORK IS NOT FOR THE ENTIRE 1.2 MILES, BUT AT VARIOUS LOCATIONS WITHIN THIS SECTION-MAINLY WHERE THE RAMP MEETS THE MAINLINE

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		THERMO PVMT MARK LINE 4"	THERMO PVMT MARK LINE 6"	RAISED REFLEC PVT MK EACH	RAISED REFLEC PVT MK REMO EACH	SHORT-TERM PVMT. MARK. FOOT	WORK-ZONE PVMT. MARK. REM. SQ FT
	LENGTH	FOOT	FOOT				
<b>LASALLE COUNTY</b>							
<b>EASTBOUND DRIVING LANE</b>							
72.9 TO 74.1	6336	6336				634	209
91.9 TO 92.2	1584	1584				158	52
92.4 TO 92.5	528	528				53	17
98.5 TO 98.9	2112	2112				211	70
99.8 TO 100	1056	1056				106	35
<b>EASTBOUND PASSING LANE</b>							
72.9 TO 74.1	6336	6336	1600	40	40	634	209
91.9 TO 92.2	1584	1584	396	10	10	158	52
92.4 TO 92.5	528	528	132	3	3	53	17
<b>WESTBOUND DRIVING LANE</b>							
72.9 TO 74.1	6336	6336				634	209
92.2 TO 92.4	1056	1056				106	35
92.6 TO 92.8	1056	1056				106	35
94.4 TO 94.6	1056	1056				106	35
94.7 TO 95	1584	1584				158	52
98.2 TO 98.4	1056	1056				106	35
99 TO 99.3	1584	1584				158	52
99.7 TO 99.9	1056	1056				106	35
100.4 TO 100.5	528	528				53	17
101.5 TO 101.8	1584	1584				158	52
102.9 TO 103	528	528				53	17
<b>WESTBOUND PASSING LANE</b>							
72.9 TO 74.1	6336	6336	1600	40	40	634	209
95.7 TO 96	1584	1584	396	10	10	158	52
100.8 TO 100.9	528	528	132	3	3	53	17
<b>TOTAL</b>	<b>45936</b>	<b>45936</b>	<b>4256</b>	<b>106</b>	<b>106</b>	<b>4594</b>	<b>1516</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



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

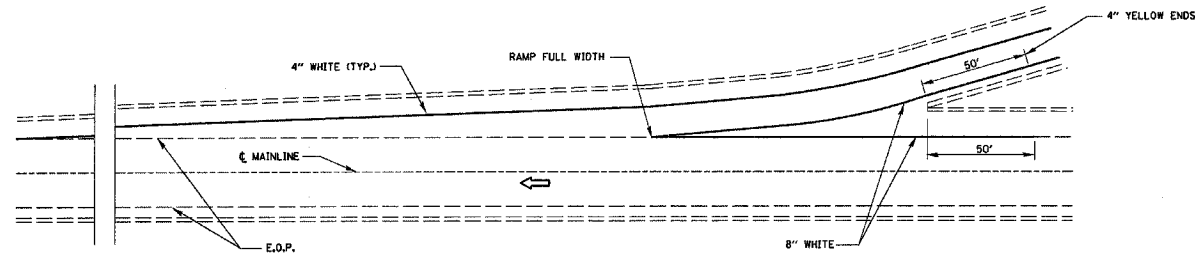
**HMA DETAIL AT BUTT JOINTS**

Notes:  
 Loops must be centered  
 in the traffic lanes.  
 Not to scale  
 Classification

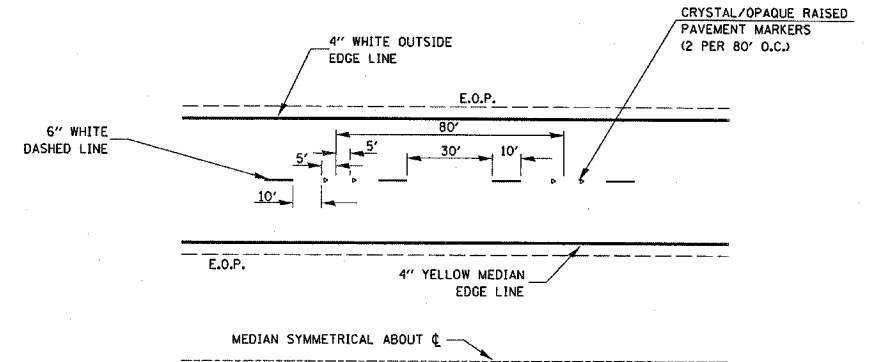
**DIST. 3 STATION #306  
 I-80 (3 MILE E OF  
 FAS 268 (MARSAILLES)  
 INTERCHANGE  
 LASALLE COUNTY**

THIS SHEET IS FOR INFORMATION ONLY

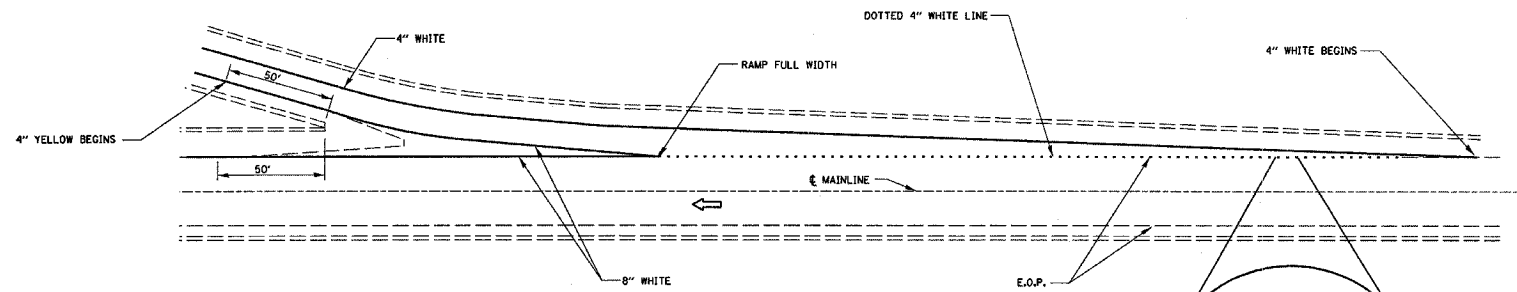
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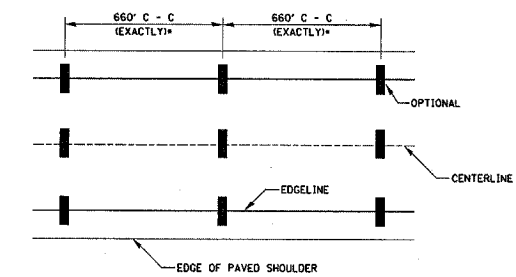
**TYPICAL PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS**



**TYPICAL PAVEMENT MARKINGS**

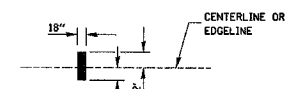


**TYPICAL PAVEMENT MARKINGS FOR EXIT RAMP TERMINALS**



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.

\*VERIFY DISTANCE PRIOR TO MILLING PLACE IN EXACT LOCATIONS WHERE EXISTING STRIPES ARE 2 PAIRS EXPECTED TO BE REMOVED AND REPLACED



**AERIAL SPEED CHECK ZONES**

FILE NAME =	USER NAME = braboyoo	DESIGNED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS</b>			
SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	INTERMITTANT BESUREACING 2008	LASALLE	6	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 66774	