

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-5,6)I	LASALLE	9	1
DISTRICT 3	ILLINOIS	PROJECT		

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- 2 GENERAL NOTES AND STANDARDS
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.I. ROUTE 80 (I-80)

SECTION (50-5,6)I

PROJECT IM-080-3(122) 094

LASALLE COUNTY

C-93-023-06

INTERMITTENT MILLING & RESURFACING

STANDARDS

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 631011-02 TRAFFIC BARRIER TERMINAL, TYPE 2
- 631026-02 TRAFFIC BARRIER TERMINAL, TYPE 5 & 5A
- 631033-01 TRAFFIC BARRIER TERMINAL, TYPE 6B
- 701400-02 APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
- 701401-03 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701426-02 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS P 45 MPH
- 702001-05 TRAFFIC CONTROL DEVICES
- 780001-01 TYPICAL PAVEMENT MARKINGS

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

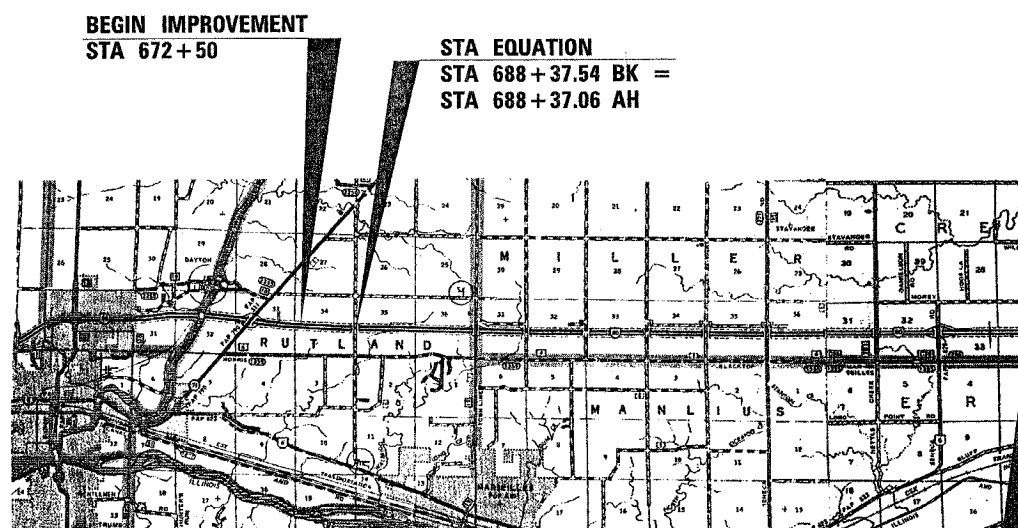
MICROFILMED _____
 REEL NUMBER _____
 AWARDED _____
 RESIDENT ENGINEER _____
 AS BUILT CHANGES WERE MADE
 ON THE FOLLOWING SHEETS _____

JULIE 1-800-892-0123

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: DAN DRAPER
 UNIT CHIEF: MICHELE LINDEMANN
 TOWNSHIP: RUTLAND, MILLER

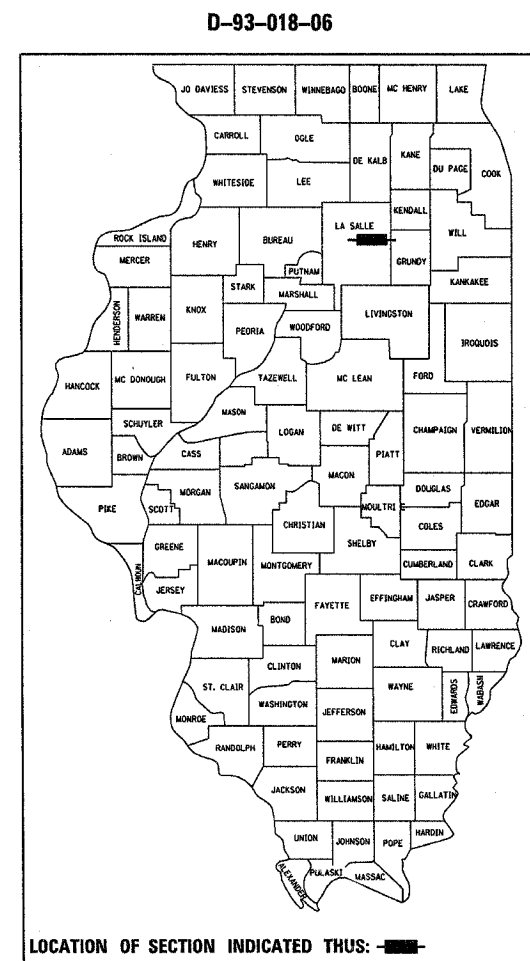
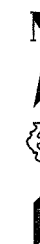
CONTRACT NO. 66620



LOCATION MAP

NOT TO SCALE

NET LENGTH = 19,600.48 FT = 3.712 MILES
 GROSS LENGTH = 47,850.48 FT = 9.063 MILES



LOCATION OF SECTION INDICATED THUS: [black rectangle]

FUNCTIONAL CLASSIFICATION - INTERSTATE
 2006 ADT = 28,800
 P.V. = 61.3%
 S.U. = 6.1%
 M.U. = 32.6%

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED Dec 15 2005

Gregory Marts
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 3, 20 06
Mike Hine
 ENGINEER OF DESIGN AND ENVIRONMENT

February 3, 20 06
Milton R. Seer P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-5,6)I	LASALLE	9	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES

THE THICKNESS OF BITUMINOUS MIXTURES 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 BITUMINOUS MIXTURE IS PLACED.

AGGREGATE (PRIME COAT): FA 20 MAY BE USED IN ADDITION TO THE GRADATIONS LISTED IN THE 3RD PARAGRAPH OF ARTICLE 1003.03(c) OF THE STANDARD SPECIFICATIONS.

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

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

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 BITUMINOUS PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD 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
BITUMINOUS 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.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: Rail Powell
DISTRICT STUDIES & PLANS ENGINEER

DATE: 12-15-2005

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

Benjamin R. [Signature]
DISTRICT MATERIALS ENGINEER

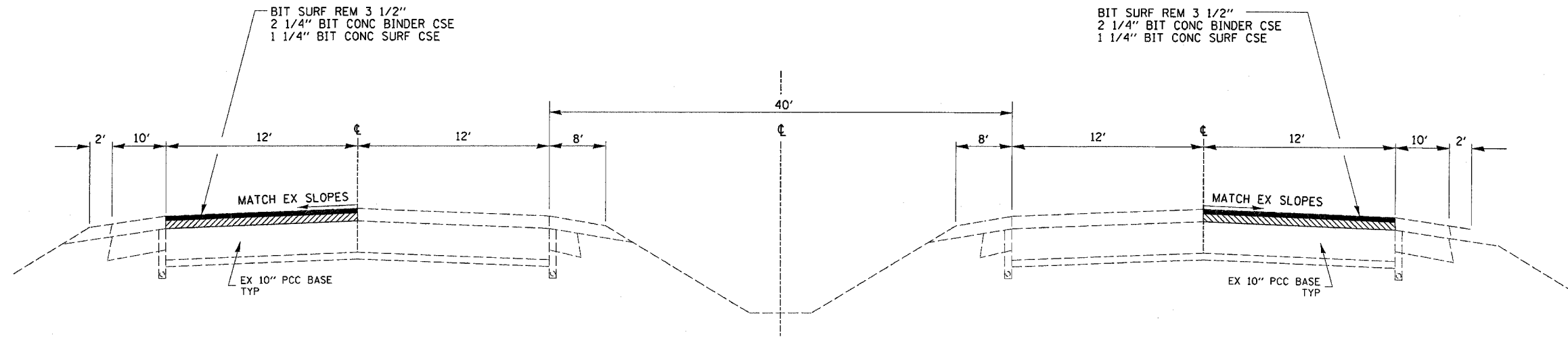
James A. [Signature]
DISTRICT OPERATIONS ENGINEER

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-5,6)I	LASALLE	9	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES			
CODE NO.	CONSTRUCTION CODE TYPE: ITEM	UNIT	90% FED 10% STATE I000-2A
			TOTAL QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4245
40600300	AGGREGATE (PRIME COAT)	TON	106
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	8
44000010	BITUMINOUS SURFACE REMOVAL 3 1/2"	SQ YD	26534
67100100	MOBILIZATION	L SUM	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	816
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	272
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19900
X4066538	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "E", N90	TON	1857
X4066658	POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N90	TON	3344
X4066745	LEVELING BINDER (HAND METHOD), SUPERPAVE N90	TON	13

• SPECIALTY ITEMS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-5,6)I	LASALLE	9	4
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		



WEST BOUND

TYPICAL SECTION

STA 672+50 TO STA 688+37.54 BK = 688+37.06 AH
 STA 688+37.06 AH TO STA 1151+00

EAST BOUND

NOTE: BITUMINOUS SURFACE SHALL BE REMOVED DOWN TO BARE CONCRETE SURFACE

MIX DESIGN							
MIX	PG GRADE	MAX % RAP ALLOWABLE **	DESIGN AIR VOIDS	MIX COMPOSITION	FRICTION AGG	PLANT CONTROL LIMITS	DENSITY CONTROL
SUPERPAVE SURFACE	SBS PG 76-22	0%	4.0% @N90	1L 12.5 OR 1L 9.5	MIXTURE e	CLASS I	CORRELATION
SUPERPAVE BINDER	SBS PG 76-22	0%	4.0% @N90	1L 19.0		CLASS I	CORRELATION

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

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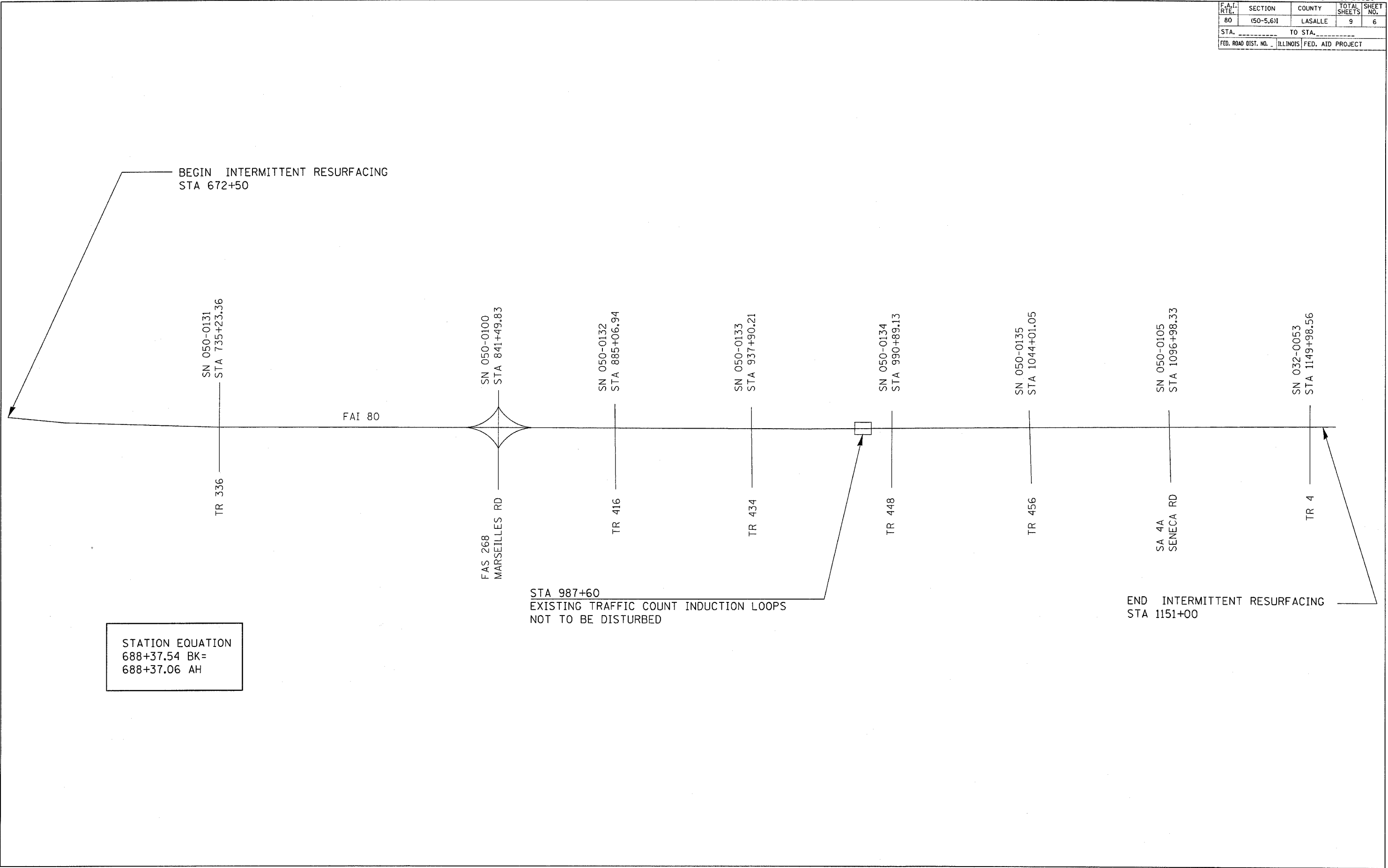
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-5,6)I	LASALLE	9	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

MAINLINE SCHEDULE								
LOCATION STA TO STA		BIT SURF REM 3 1/2"	POLY BIT CONC SURF CSE SUPERPAVE	BIT CONC BINDER CSE SUPERPAVE	BIT MATL PR CT	AGG PR CT	MIX FOR CR JTS & FLNGWYS	LEVEL BIND (HM)
	LENGTH	SQ YD	TON	TON	GAL	TON	TON	TON
LASALLE CO.								
EASTBOUND DRIVING LANE								
672+50 TO 688+37.54	1587.54	2117	148	267	339	8.5	0.6	1.1
688+37.54 (BK) = 688+37.06 (AH)								
688+37.06 TO 728+00	3962.94	5284	370	666	845	21.1	1.6	2.6
737+00 TO 768+00	3100	4133	289	521	661	16.5	1.2	2.1
873+00 TO 874+00	100	133	9	17	21	0.5	0	0.1
982+00 TO 983+50	150	200	14	25	32	0.8	0.1	0.1
1000+00 TO 1092+50	9250	12333	863	1554	1973	49.3	3.7	6.2
1150+00 TO 1151+00	100	133	9	17	21	0.5	0	0.1
WESTBOUND DRIVING LANE								
776+50 TO 777+00	50	67	5	8	11	0.3	0	0
780+00 TO 782+50	250	333	23	42	53	1.3	0.1	0.2
884+00 TO 887+50	350	467	33	59	75	1.9	0.1	0.2
936+00 TO 937+00	100	133	9	17	21	0.5	0	0.1
989+00 TO 993+50	450	600	42	76	96	2.4	0.2	0.3
1001+00 TO 1002+50	150	200	14	25	32	0.8	0.1	0.1
1073+50 TO 1074+00	50	67	5	8	11	0.3	0	0
1086+00 TO 1086+50	50	67	5	8	11	0.3	0	0
1089+00 TO 1091+00	200	267	19	34	43	1.1	0.1	0.1
TOTAL	19900.48	26534	1857	3344	4245	106.1	7.8	13.3

PAVEMENT MARKING SCHEDULE				
LOCATION STA TO STA		THERMOPLASTIC PAVEMENT MARKING, 4"	SHORT TERM PAVEMENT MARKING	WORK ZONE PVMT MARK REMOVAL
	LENGTH	FOOT	FOOT	SQ FT
LASALLE CO.				
EASTBOUND DRIVING LANE				
672+50 TO 688+37.54	1587.54	1587.54	64	21.3
688+37.54 (BK) = 688+37.06 (AH)				
688+37.06 TO 728+00	3962.94	3962.94	160	53.3
737+00 TO 768+00	3100	3100	124	41.3
873+00 TO 874+00	100	100	4	1.3
982+00 TO 983+50	150	150	8	2.7
1000+00 TO 1092+50	9250	9250	372	124
1150+00 TO 1151+00	100	100	4	1.3
WESTBOUND DRIVING LANE				
776+50 TO 777+00	50	50	4	1.3
780+00 TO 782+50	250	250	12	4
884+00 TO 887+50	350	350	16	5.3
936+00 TO 937+00	100	100	4	1.3
989+00 TO 993+50	450	450	20	6.7
1001+00 TO 1002+50	150	150	8	2.7
1073+50 TO 1074+00	50	50	4	1.3
1086+00 TO 1086+50	50	50	4	1.3
1089+00 TO 1091+00	200	200	8	2.7
TOTAL	19900.48	19900.48	816	271.8

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-5,6)I	LASALLE	9	6
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		



BEGIN INTERMITTENT RESURFACING
STA 672+50

TR 336
SN 050-0131
STA 735+23.36

FAI 80

FAS 268
MARSEILLES RD
SN 050-0100
STA 841+49.83

TR 416
SN 050-0132
STA 885+06.94

TR 434
SN 050-0133
STA 937+90.21

TR 448
SN 050-0134
STA 990+89.13

TR 456
SN 050-0135
STA 1044+01.05

SA 4A
SENECA RD
SN 050-0105
STA 1096+98.33

TR 4
SN 032-0053
STA 1149+98.56

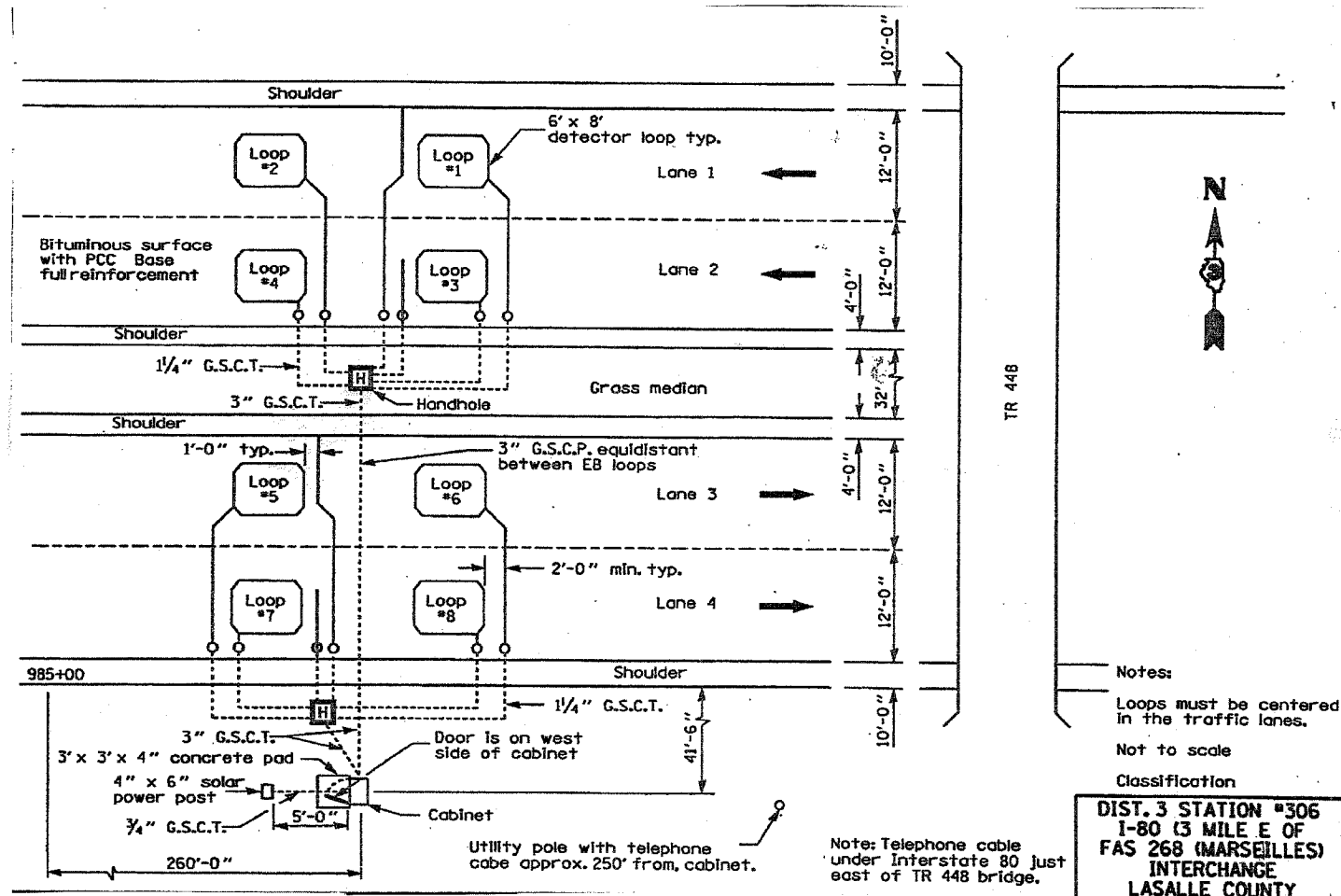
STATION EQUATION
688+37.54 BK=
688+37.06 AH

STA 987+60
EXISTING TRAFFIC COUNT INDUCTION LOOPS
NOT TO BE DISTURBED

END INTERMITTENT RESURFACING
STA 1151+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-5,6)I	LASALLE	9	7
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		

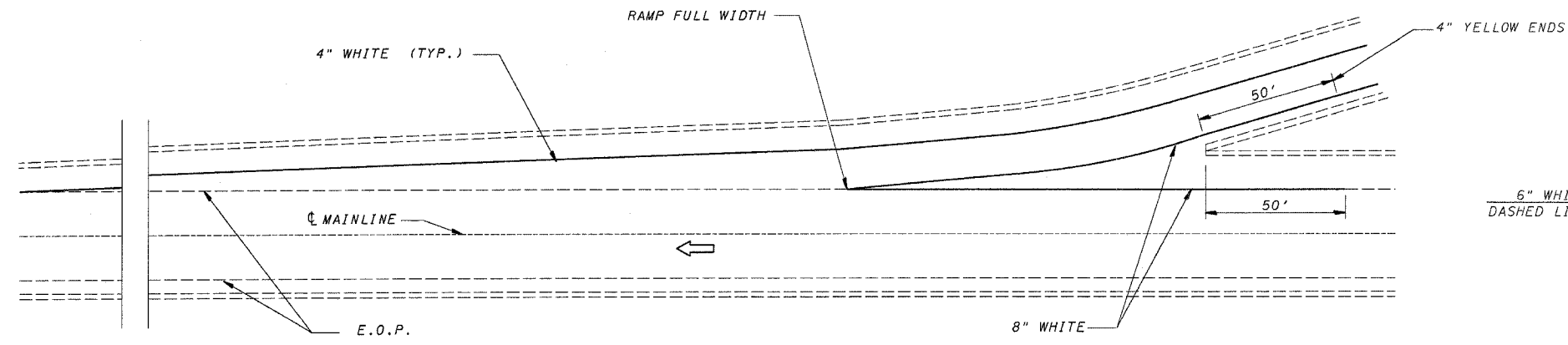
ANY DAMAGE TO TRAFFIC COUNT INDUCTOR LOOPS CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE EXPENSE OF THE CONTRACTOR



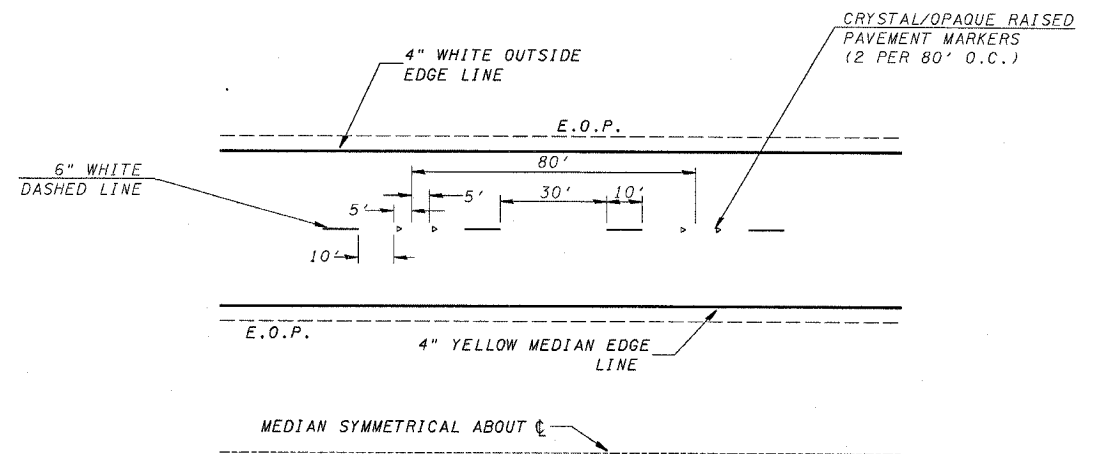
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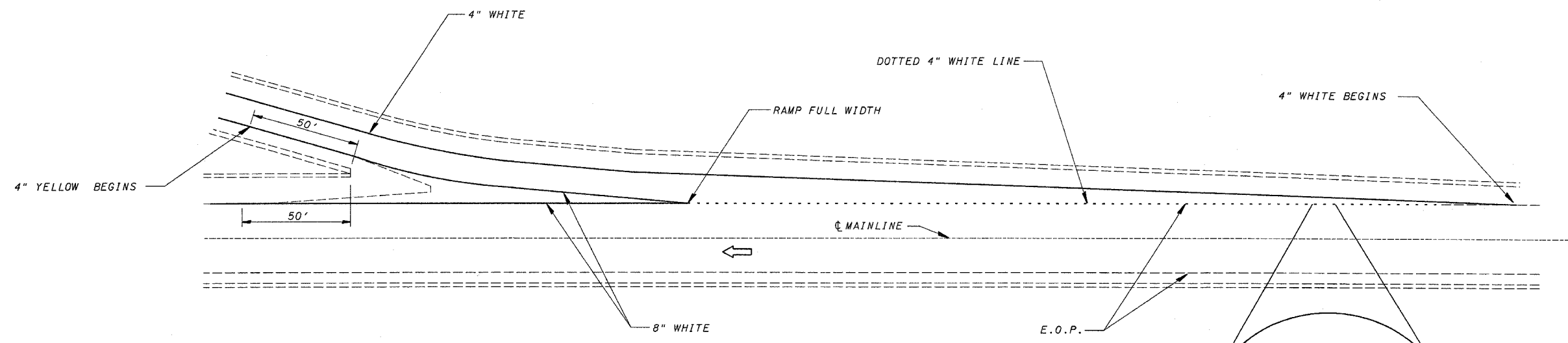
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-5,6)	LASALLE	9	8
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		



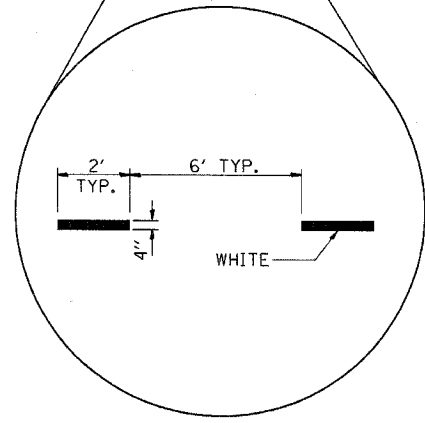
TYPICAL PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS



TYPICAL PAVEMENT MARKINGS

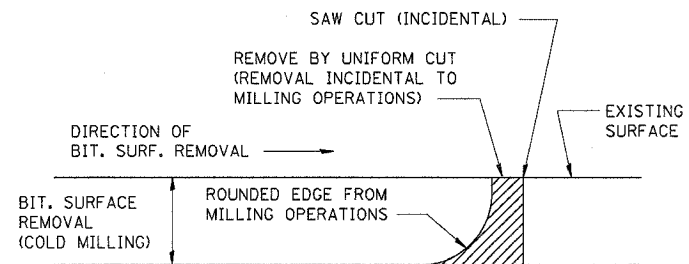


TYPICAL PAVEMENT MARKINGS FOR EXIT RAMP TERMINALS



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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-5,6)	LASALLE	9	9
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		



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

BITUMINOUS DETAIL AT BUTT JOINTS