

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 80 (I-80)
SECTION (50-2,3,4,5)I-2

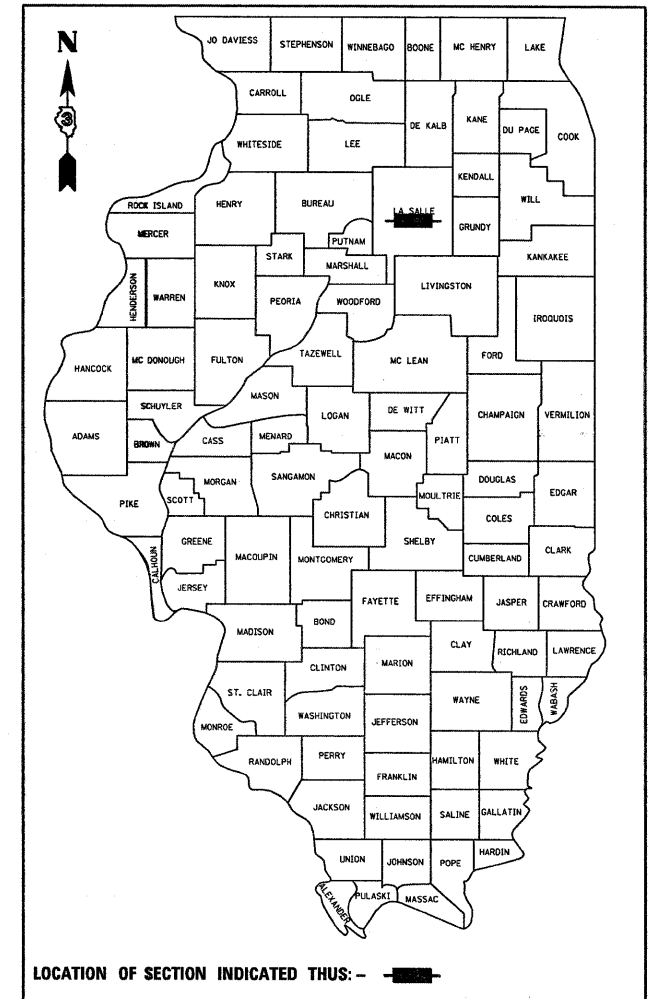
INTERMITTANT CENTERLINE
MICRO-SURFACING (JOINT REPAIR)

LASALLE COUNTY

C-93-081-11

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-2,3,4,5)I-2	LASALLE	6	1
		ILLINOIS	CONTRACT NO. 66B17	

D-93-065-11



FUNCTIONAL CLASSIFICATION
INTERSTATE

2010 ADT = 29800

P.V. = 66.2% S.U. = 3.9% M.U. = 29.9%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED MARCH 30 2011

Eric S. Therkelsen
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13 2011
Scott E. Stitt, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 13 2011
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

INDEX OF SHEETS

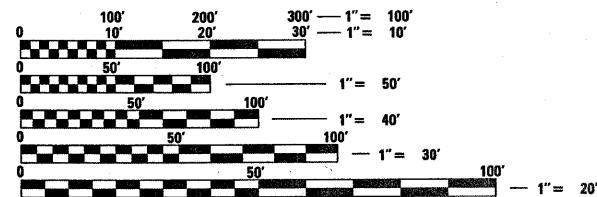
1	COVER SHEET
2	GENERAL NOTES AND SUMMARY OF QUANTITIES
3	TYPICAL SECTIONS
4	SCHEDULE OF QUANTITIES
5-6	DETAILS

STANDARDS

000001-06	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
701401-06	LANE CLOSURE, FREEWAY/EXPRESSWAY
701426-04	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS

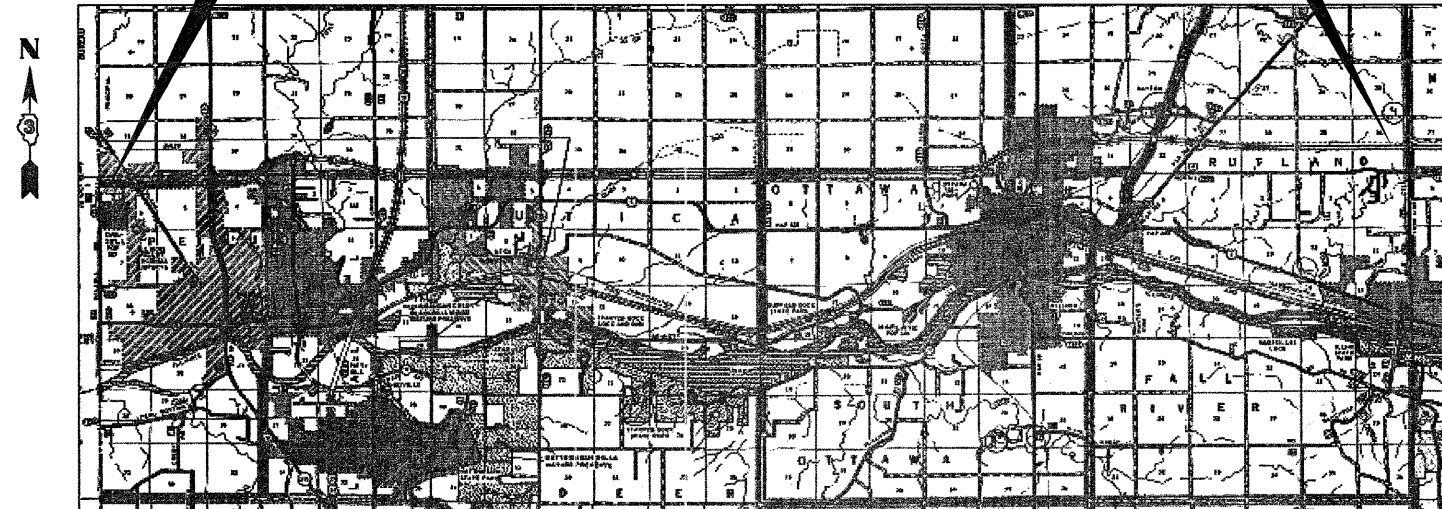
PROJECT BEGINS
M.P. 74.25

PROJECT ENDS
M.P. 96.4



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



GROSS LENGTH = NET LENGTH = 116,952 FT. = 22.15 MILE

PROJECT ENGINEER: JOE KANNEL
SQUAD LEADER: NATHAN SELL

CONTRACT NO. 66B17

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

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

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

BITUMINOUS MATERIALS (PRIME CT)	0.08	GAL / SQ YD
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.00283	TONS / SQ YD
MICROSURFACING SINGLE PASS	20	LBS /SQ YD

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

THE TEMPORARY PAVEMENT MARKING SHALL BE PLACED PRIOR TO MICRO-SURFACING.

SUMMARY OF QUANTITIES			100% STATE
CODE NO.	ITEM	UNIT	CONSTR. CODE 0005 TOTAL
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1421
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	50
67100100	MOBILIZATION	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	7992
70300240	TEMPORARY PAVEMENT MARKING, LINE 6"	FOOT	20000
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2638
78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	40000
78300100	PAVEMENT MARKING REMOVAL	SQ FT	10000
78300200	RAISED REFLECTIVE PAVEMENT MARKING REMOVAL	EACH	2000
X0326867	RADAR SPEED TRAILER	CAL MO	1
X0326880	MESSAGE BOARD VEHICLE DRIVER	HOUR	160
X0326907	PORTABLE VEHICLE MOUNTED CHANGEABLE MESSAGE SIGN	CAL MO	1
X7010805	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 (SPECIAL)	L SUM	1
Z0026346	NIGHTTIME WORK ZONE LIGHTING	L SUM	1
Z0063804	MICRO-SURFACING, SINGLE PASS, TYPE II, MIXTURE D	SQ YD	17760

• SPECIALTY ITEMS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: David E. Baniak
DISTRICT STUDIES & PLANS ENGINEER

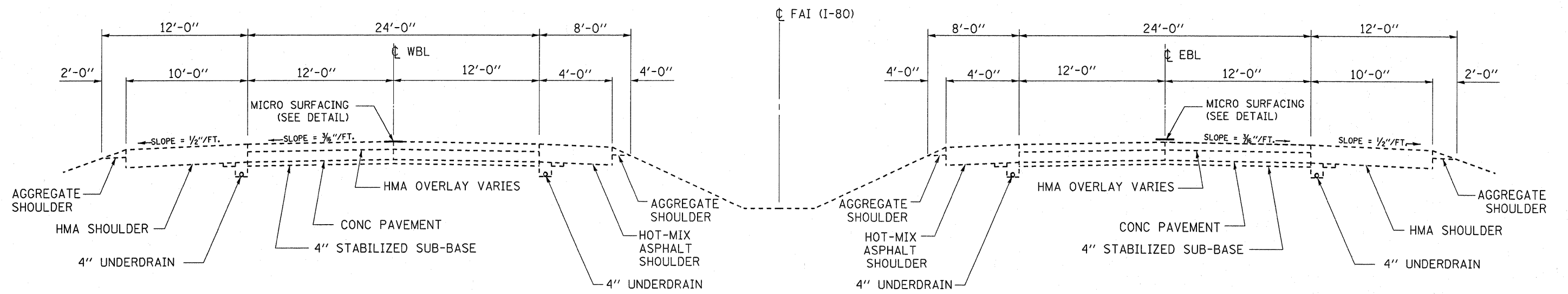
DATE: MARCH 30, 2011

EXAMINED BY: [Signature]
DISTRICT CONSTRUCTION ENGINEER

[Signature]
DISTRICT MATERIALS ENGINEER

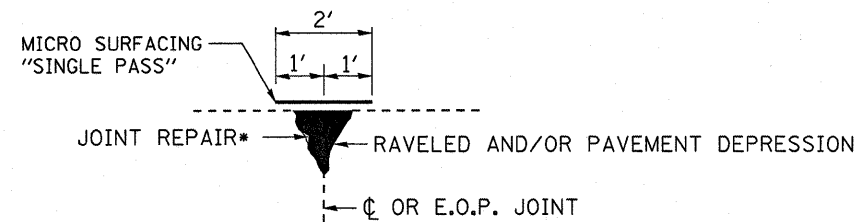
[Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\carpenterdj\0253636\036817-sht-cover.dgn		DRAWN -	REVISED -			80	(50-2,3,4,5)-2	LASALLE	6	2
PLOT SCALE = 50,0000' / IN.		CHECKED -	REVISED -			SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____				
PLOT DATE = Mar 30, 2011 - 07:33:00 AM		DATE -	REVISED -			ILLINOIS FED. AID PROJECT CONTRACT NO. 66B17				



TYPICAL SECTION

MM 74.25 TO MM 96.4



MICRO-SURFACING DETAIL

* MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS

NOTES

- 1) MICRO-SURFACING SHALL BE LOCATED AT THE CENTERLINE OF PAVEMENT JOINT. ACTUAL LOCATIONS SHALL BE FIELD DETERMINED BY THE ENGINEER PRIOR TO THE CONTRACTOR BEGINNING HIS/HER CONSTRUCTION OPERATIONS.
- 2) THE TEMPORARY STRIPING SHALL BE OFFSET 2' FROM THE CENTERLINE, IN THE DRIVING LANE.
- 3) OFFSET OF THE PERMANENT CENTERLINE PAVEMENT STRIPING SHALL BE FIELD DETERMINED BY THE ENGINEER.

FILE NAME =	USER NAME = carpenter.dj	DESIGNED -	REVISED -
c:\pwork\pwork\carpenter.dj\0253636\0366817-shr-cover.dgn		DRAWN -	REVISED -
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = Mar 30, 2011 - 07:31:56 AM		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)I-2	LASALLE	6	3
				CONTRACT NO. 66B17

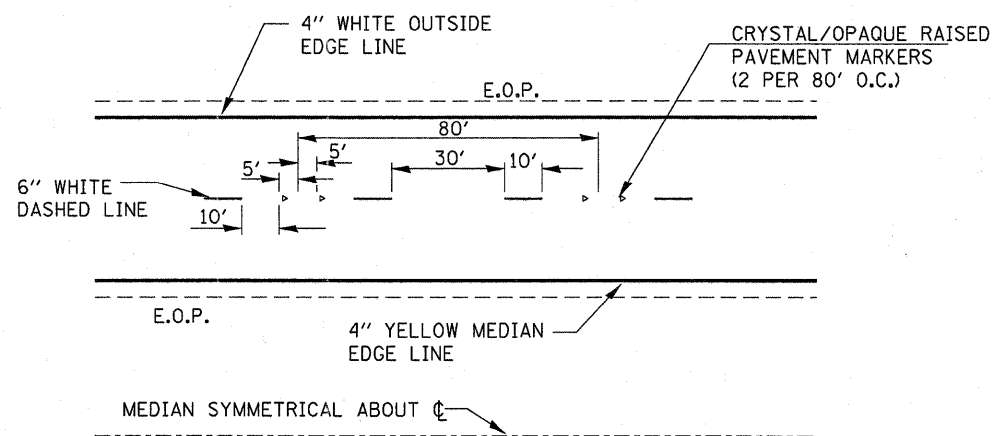
ILLINOIS FED. AID PROJECT

Rev.

MAINLINE										
LOCATION MILE POST	CENTERLINE			MICRO- SURFACING SINGLE PASS TYPE II SQ YD	BITUMINOUS MATERIALS (PRIME COAT) GALLON	PAVEMENT MARKING REMOVAL SQ FT	RAISED REFL PVMT MARKER REMOVAL EACH	PAINT PAVEMENT MARKING - LINE 6" * FOOT	SHORT TERM PVMT MARKING FOOT	MIX FOR CRACKS, JOINTS, & FLANGWAYS TON
	LENGTH	LENGTH REQUIRED								
	FT	FT								
EASTBOUND										
74.25	75	3960	2032	452	36	255	51	1020	203	1.3
IL 251 INTERCHANGE										
75	76.6	8448	2446	544	43	305	61	1220	245	1.5
IL 351 INTERCHANGE										
76.6	78.6	10560	2140	476	38	270	54	1080	214	1.3
I-39 INTERCHANGE										
78.6	81.1	13200	0	0	0	0	0	0	0	0.0
IL 178 INTERCHANGE										
81.1	90.2	48048	32424	7205	576	4055	811	16220	3242	20.4
IL 23 INTERCHANGE										
90.2	92.4	11616	4224	939	75	530	106	2120	422	2.7
FOX RIVER BRIDGE										
92.5	93.3	4224	0	0	0	0	0	0	0	0.0
IL 71 INTERCHANGE										
93.3	96.4	16368	0	0	0	0	0	0	0	0.0
WESTBOUND										
74.25	75	3960	1584	352	28	200	40	800	158	1.0
IL 251 INTERCHANGE										
75	76.6	8448	1848	411	33	230	46	920	185	1.2
IL 351 INTERCHANGE										
76.6	78.6	10560	1320	293	23	165	33	660	132	0.8
I-39 INTERCHANGE										
78.6	81.1	13200	0	0	0	0	0	0	0	0.0
IL 178 INTERCHANGE										
81.1	90.2	48048	28504	6334	507	3565	713	14260	2850	17.9
IL 23 INTERCHANGE										
90.2	92.4	11616	3396	755	60	425	85	1700	340	2.1
FOX RIVER BRIDGE										
92.5	93.3	4224	0	0	0	0	0	0	0	0.0
IL 71 INTERCHANGE										
93.3	96.4	16368	0	0	0	0	0	0	0	0.0
TOTAL				17760	1421	10000	2000	40000	7992	50.2

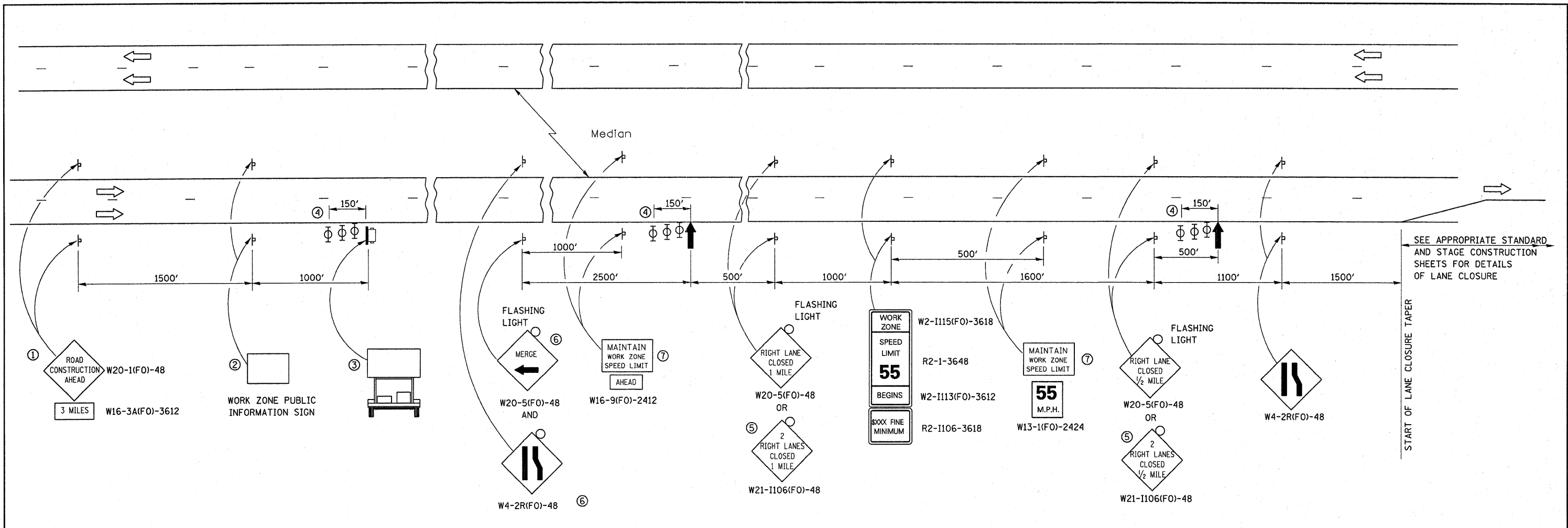
*PAVEMENT MARKING QUANTITY HAS BEEN DOUBLED TO PROVIDE FOR TWO APPLICATIONS

FILE NAME =	USER NAME = carpenterd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLDT DATE = Mar 30, 2011 - 07:32:41 AM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



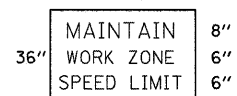
TYPICAL PAVEMENT MARKINGS

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwsdot\carpenterdj\d0253636\0366817-shr-cover.dgn	DRAWN -	REVISIED -	80			(50-2,3,4,5)I-2	LASALLE	6	5	
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PLOT DATE = Mar 30, 2011 - 07:31:39 AM	DATE -	REVISIED -	ILLINOIS FED. AID PROJECT							
				SCALE: _____ SHEET NO. ___ OF ___ 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.



- ↑ ARROW BOARD
- ☐ PORTABLE CHANGEABLE MESSAGE SIGN
- ⊥ SIGN
- ⊕ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT

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 = carpenterdj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STANDARD 701400 (SPECIAL)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = Mar 30, 2011 - 07:31:30 AM	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							