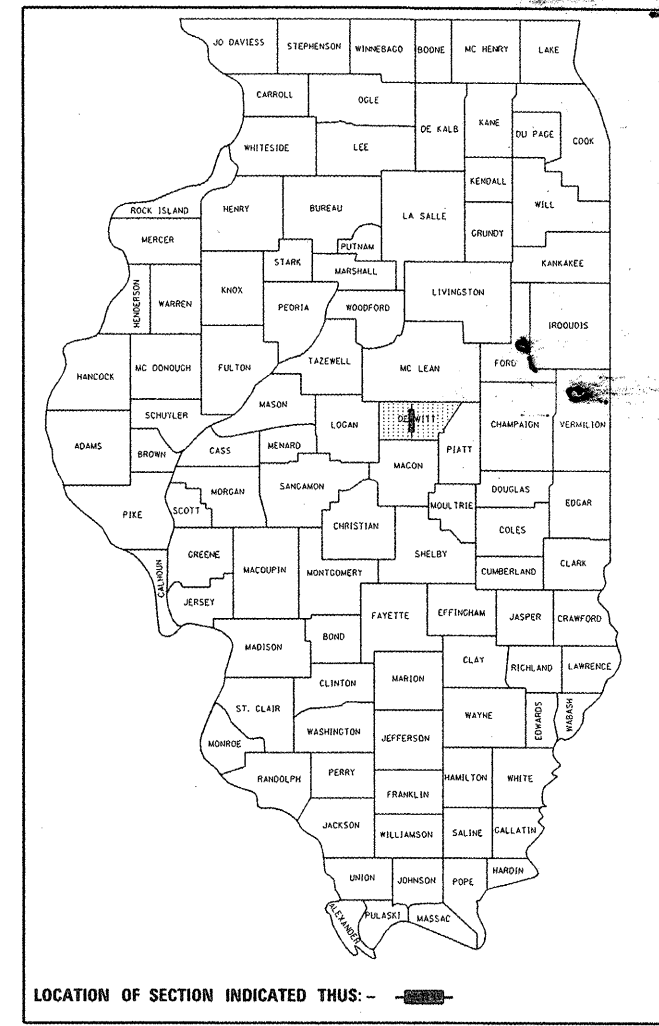


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	2010PPP	DEWITT	11	1
		ILLINOIS	CONTRACT NO. 70809	

D-95-042-09



# PROPOSED HIGHWAY PLANS

FAP ROUTE 322 (US 51)  
SECTION 2010PPP

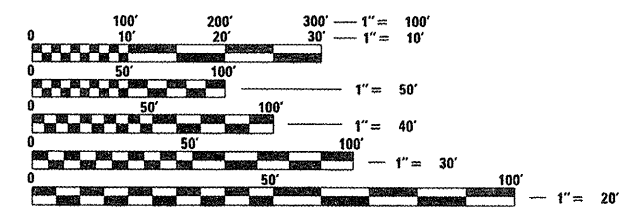
MICROSURFACING (SHOULDERS)  
SCL OF WAPELLA TO MACON CO LINE  
DEWITT COUNTY  
C-95-042-09

SEE SHEET #3 FOR  
LOCATION MAP

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

DESIGN DESIGNATION  
NA

CURRENT ADT: 2009, LEG A: 11,700  
2009, LEG B: 7,900  
2009, LEG C: 10,200



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: KEVIN TRAPP  
PROJECT MANAGER: MICHAEL A. LEROY

CONTRACT NO. 70809

GROSS LENGTH = 62,955.17 FT. = 11.923 MILE  
NET LENGTH = 46,257.40 FT. = 8.761 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 11/18 20 09

*Joseph E. Cowles*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*January 29, 20 10*  
*Scott E. Still*  
ENGINEER OF DESIGN AND ENVIRONMENT

*January 29, 20 10*  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

### INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS / HIGHWAY STANDARDS / GENERAL NOTES
3	LOCATION MAP
4	SUMMARY OF QUANTITIES
5	EXISTING AND PROPOSED TYPICAL CROSS SECTIONS
6-9	SCHEDULE OF QUANTITIES
10	CRACK ROUTING DETAIL
11	PAVEMENT MARKING (INTERSTATE AND MULTI-LANE APPLICATIONS)

### HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
482006-03	HMA SHOULDERS ADJACENT TO RIGID PAVEMENT
701400-04	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-05	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701421-02	LANE CLOSURE, MULTI-LANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701426-03	LANE CLOSURE, MULTI-LANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS >45 MPH
701601-06	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS

### GENERAL NOTES

**G.N.-100**

ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

**G.N.-1004.01**

COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

**G.N.-107.12A SPECIAL**

RAILROAD PROTECTIVE LIABILITY INSURANCE IS NOT INCLUDED IN THIS CONTRACT. ALL MICROSURFACING OPERATIONS SHALL STOP 75 FEET FROM THE RAILROAD TRACKS.

**G.N.-451(SPECIAL)**

AN APPLICATION RATE OF .53 POUNDS/FOOT WAS USED TO DETERMINE THE FIBER ASPHALT QUANTITY. IT IS THE INTENT OF THE DISTRICT THAT ONLY THOSE CRACKS WIDER THAN 1/4" BE FILLED WITH FIBER ASPHALT.

NO COMMITMENTS

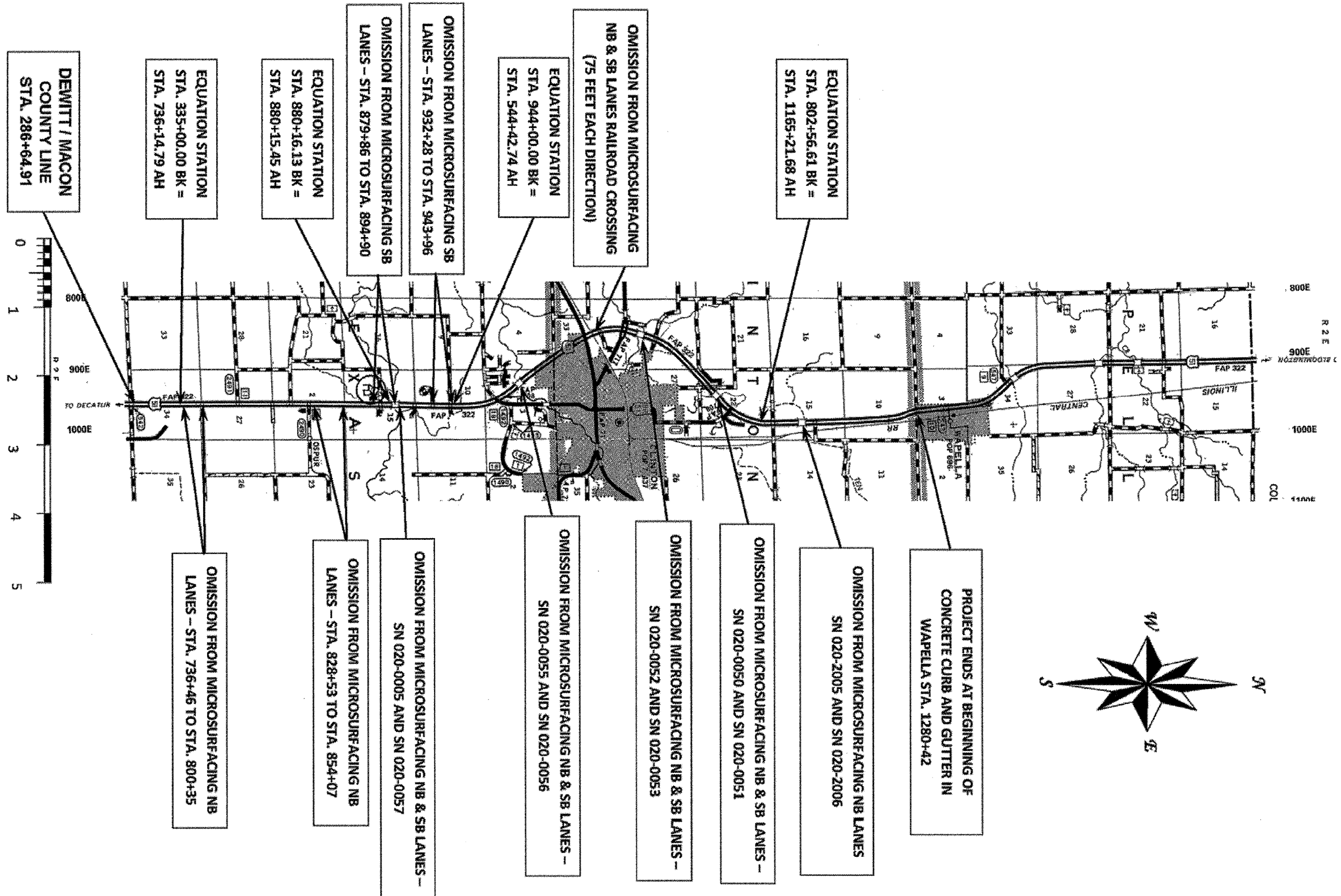
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 11/17/2009	DATE - 1-8-09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS  
GENERAL NOTES**

SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	F.A.B. RTE. 322	SECTION 201QPP	COUNTY DEWILLI	TOTAL SHEETS 11	SHEET NO. 2
						CONTRACT NO. 70809	
ILLINOIS FED. AID PROJECT							

# LOCATION MAP



FILE NAME =	USER NAME = jerrygma	DESIGNED - MAL	REVISED -
ct:\pwork\p\1007\LEROYMA\0149985\0574809-shi-cover.dgn		DRAWN - JUB	REVISED -
PLOT SCALE = 48.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 11/17/2009		DATE - 7-8-09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LOCATION MAP</b>				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	2010PPP	DEWITT	11	3
CONTRACT NO. 70809				
ILLINOIS FED. AID PROJECT				

**SUMMARY OF QUANTITIES**

LOCATION:

FAP 322  
 DEWITT CTY  
 286+64.91  
 TO  
 1280+40.9  
 RURAL  
 4 LANE  
 100% STATE

CONSTRUCTION CODE:

F000

PAY ITEM CODE	PAY ITEM	UNIT	QTY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	16,360.0
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	163,591.0
45200205	JOINT OR CRACK ROUTING (HOT-MIX ASPHALT SHOULDER)	FOOT	198,763.0
67100100	MOBILIZATION	LSUM	1.0
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	1.0
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	LSUM	1.0
X0325223	FIBER ASPHALT	POUND	105,345.0
X0326221	MICRO-SURFACING, SINGLE PASS, TYPE II	SQ YD	163,591.0
X0326240	MICRO-SURFACING TEST STRIP	EACH	1.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	28.0

FILE NAME =	USER NAME = lercymo	DESIGNED - MAL	REVISED -
cr\pwork\PWIDOT\LEROYMA\0149985\057809-shr-S00.dgn		DRAWN - JJB	REVISED -
	PLOT SCALE = 48.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 11/18/2009	DATE - 7-8-09	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

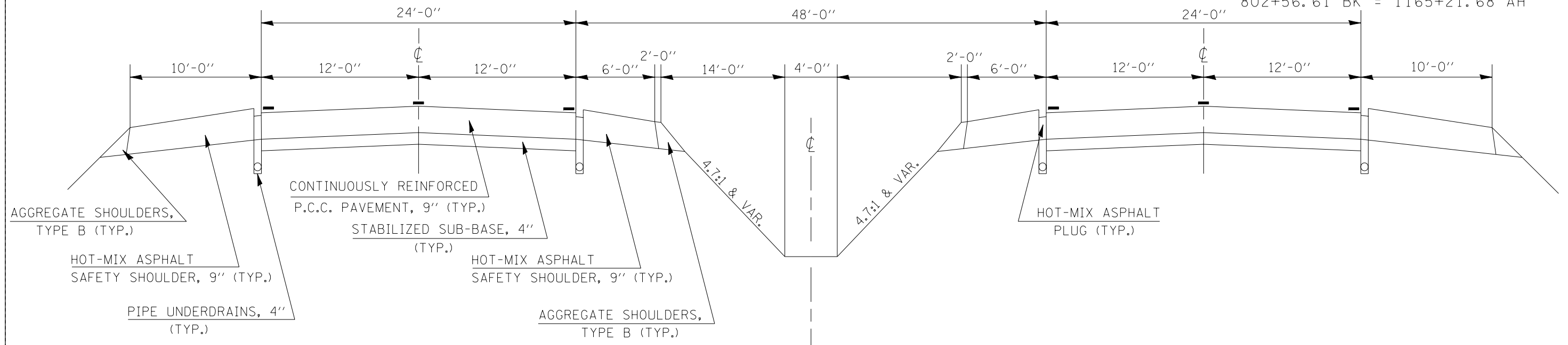
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	2010PPP	DEWITT	11	4
CONTRACT NO. 70809			ILLINOIS FED. AID PROJECT	

# EXISTING TYPICAL SECTION FAP 322 (US 51)

EQUATION STATIONS

335+00.00 BK = 736+14.79 AH  
 880+16.13 BK = 880+15.45 AH  
 944+00.00 BK = 544+42.74 AH  
 802+56.61 BK = 1165+21.68 AH

STATION TO STATION  
 286+64.91 1551+93.23

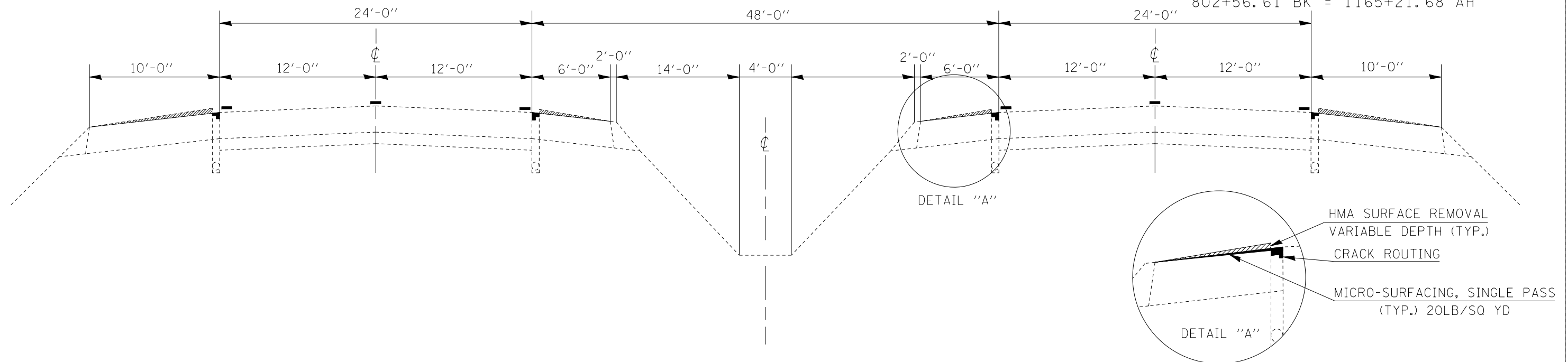


# PROPOSED TYPICAL SECTION FAP 322 (US 51)

EQUATION STATIONS

335+00.00 BK = 736+14.79 AH  
 880+16.13 BK = 880+15.45 AH  
 944+00.00 BK = 544+42.74 AH  
 802+56.61 BK = 1165+21.68 AH

STATION TO STATION  
 286+64.91 1551+93.23



FILE NAME =	USER NAME = leroyma	DESIGNED - MAL	REVISED -
ce:\pwork\pwidot\LEROYMA\d0149985\0570809-sht-typical.dgn		DRAWN - JJB	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 11/17/2009	DATE - 7-8-09	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTION  
 PROPOSED TYPICAL SECTION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	2010PPP	DEWITT	11	5
CONTRACT NO. 70809				
ILLINOIS FED. AID PROJECT				



# SCHEDULE OF QUANTITIES

NB LANES	START STATION	to	STOP STATION	LENGTH FEET	LEFT SHOULDER	RIGHT SHOULDER	ROUT CRACKS		HMA SURFACE	MICROSURFACING	BITUMINOUS	FIBER
					SQ.YDS.	SQ.YDS.	TRANSVERSE FOOT*	LONGITUDINAL FOOT**	REMOVAL, VAR DEP SQYD	SINGLE PASS, TYPE II SQYD	PRIME COAT GALLON	ASPHALT POUND
							45200205		44000198	X0326221	40600100	X0325223
	1165+43.63		1175+20.00	976.37	650.91	1,084.86	156.22	1,952.74	1,735.77	1,735.77	173.58	1,117.75
<b>CIRCLE H</b>												
	1182+86.10		1206+40.00	2,353.90	1,569.27	2,615.44	376.62	4,707.80	4,184.71	4,184.71	418.47	2,694.74
	1211+13.60		1280+42.90	6,929.30	4,619.53	7,699.22	1,108.69	13,858.60	12,318.76	12,318.76	1,231.88	7,932.66
<b>NB TOTALS</b>	<b>NORTHBOUND TOTALS</b>				<b>30,508.21</b>	<b>50,847.02</b>	<b>7,321.97</b>	<b>91,524.64</b>				
				<b>45,762.32</b>	<b>81,355.24</b>		<b>98,846.61</b>		<b>81,355.24</b>	<b>81,355.24</b>	<b>8,135.52</b>	<b>52,388.70</b>

\* Quantity reflects 1 crack greater than 3/4" every 100 feet.

\*\* Quantity reflects 1 crack between pavement and shoulder on each side of US 51 for length of section

# SCHEDULE OF QUANTITIES

SB LANES		START STATION	STOP STATION	LENGTH FEET	LEFT SHOULDER SQ.YDS.	RIGHT SHOULDER SQ.YDS.	ROUT CRACKS		HMA SURFACE REMOVAL, VAR DEP SQYD	MICROSURFACING SINGLE PASS, TYPE II SQYD	BITUMINOUS PRIME COAT GALLON	FIBER ASPHALT POUND
							TRANSVERSE FOOT*	LONGITUDINAL FOOT**				
							45200205	44000198				
		1280+42.70	1231+39.40	4,903.30	3,268.87	5,448.11	784.53	9,806.60	8,716.98	8,716.98	871.70	5,613.30
	Eq. Sta. 802+56.61 BK	1231+39.40 *	1165+43.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>EQ.STA</b>	<b>1165+43.63 AH</b>	802+56.61 *	802+37.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		802+37.08	787+55.68	1,481.40	987.60	1,646.00	237.02	2,962.80	2,633.60	2,633.60	263.36	1,695.91
<b>US 51 BUS</b>		787+55.68	781+22.38	633.30	422.20	703.67	101.33	1,266.60	1,125.87	1,125.87	112.59	725.00
		781+22.38	760+40.68	2,081.70	1,387.80	2,313.00	333.07	4,163.40	3,700.80	3,700.80	370.08	2,383.13
	<b>SN 020-0050</b>	761+52.85	762+47.15	-94.30	-62.87	-104.78	-15.09	-188.60	-167.64	-167.64	-16.76	-107.95
		755+14.48	704+94.38	5,020.10	3,346.73	5,577.89	803.22	10,040.20	8,924.62	8,924.62	892.46	5,747.01
<b>IL 10</b>		699+92.88	681+75.38	1,817.50	1,211.67	2,019.44	290.80	3,635.00	3,231.11	3,231.11	323.11	2,080.67
	<b>SN 020-0052</b>	689+14.40	691+05.60	-191.20	-127.47	-212.44	-30.59	-382.40	-339.91	-339.91	-33.99	-218.89
		675+41.38	661+71.58	1,369.80	913.20	1,522.00	219.17	2,739.60	2,435.20	2,435.20	243.52	1,568.15
		661+71.58	656+72.38	499.20	332.80	554.67	79.87	998.40	887.47	887.47	88.75	571.48
		656+72.38	651+88.38	484.00	322.67	537.78	77.44	968.00	860.44	860.44	86.04	554.08
<b>IL 54</b>		645+57.38	623+97.88	2,159.50	1,439.67	2,399.44	345.52	4,319.00	3,839.11	3,839.11	383.91	2,472.20
<b>CLINTON RD</b>		618+96.28	570+45.88	4,850.40	3,233.60	5,389.33	776.06	9,700.80	8,622.93	8,622.93	862.29	5,552.74
	<b>SN 020-0055</b>	585+77.50	588+20.50	-243.00	-162.00	-270.00	-38.88	-486.00	-432.00	-432.00	-43.20	-278.19
		563+87.88	544+42.74	1,945.14	1,296.76	2,161.27	311.22	3,890.28	3,458.03	3,458.03	345.80	2,226.80
<b>EQ.STA</b>	Eq. Sta. 944+00.00 BK	944+00.00	943+95.84	4.16	2.77	4.62	0.67	8.32	7.40	7.40	0.74	4.76
	<b>544+42.74 AH</b>	944+00.00	943+95.84	4.16	2.77	4.62	0.67	8.32	7.40	7.40	0.74	4.76
		932+87.34	931+51.44	135.90	90.60	151.00	21.74	271.80	241.60	241.60	24.16	155.58
<b>HERITAGE RD</b>		926+76.84	916+76.14	1,000.70	667.13	1,111.89	160.11	2,001.40	1,779.02	1,779.02	177.90	1,145.60
		912+28.54	901+47.54	1,081.00	720.67	1,201.11	172.96	2,162.00	1,921.78	1,921.78	192.18	1,237.53
		898+03.34	894+89.64	313.70	209.13	348.56	50.19	627.40	557.69	557.69	55.77	359.12
<b>EQ.STA</b>	Eq. Sta. 880+16.13 BK =	894+89.64	880+15.45	0.00	0.00	0.00	0.00	0.00				
	<b>880+15.45 AH</b>											

\* Quantity reflects 1 crack greater than 3/4" every 100 feet.

\*\* Quantity reflects 1 crack between pavement and shoulder on each side of US 51 for length of section

FILE NAME =	USER NAME = leroyma	DESIGNED - MAL	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>	DRAWN - JJB	REVISED -	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
ct:\pwork\pwork\LEROYMA\d0149985\0570809-sht-500.dgn		CHECKED -	REVISED -			322	2010PPP	DEWITT	11	8							
PLOT SCALE = 40.0000' / IN.		DATE - 7-8-09	REVISED -			CONTRACT NO. 70809											
PLOT DATE = 11/17/2009						ILLINOIS FED. AID PROJECT											



# SCHEDULE OF QUANTITIES

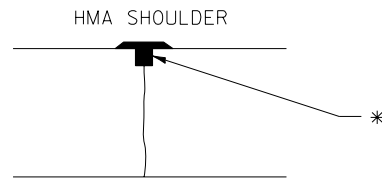
SB LANES		START STATION	STOP STATION	LENGTH FEET	LEFT SHOULDER SQ.YDS.	RIGHT SHOULDER SQ.YDS.	ROUT CRACKS		HMA SURFACE REMOVAL, VAR DEP SQYD	MICROSURFACING SINGLE PASS, TYPE II SQYD	BITUMINOUS PRIME COAT GALLON	FIBER ASPHALT POUND
							TRANSVERSE FOOT*	LONGITUDINAL FOOT**				
							45200205					
	<b>SN 020-0005</b>	883+74.25	886+83.75	-309.50	-206.33	-343.89	-49.52	-619.00	-550.22	-550.22	-55.02	-354.32
		880+16.13	879+85.62	0.00	0.00	0.00	0.00	0.00				
		879+85.62	878+56.22	129.40	86.27	143.78	20.70	258.80	230.04	230.04	23.00	148.14
		874+08.52	812+41.32	6,167.20	4,111.47	6,852.44	986.75	12,334.40	10,963.91	10,963.91	1,096.39	7,060.21
		807+66.72	772+61.22	3,505.50	2,337.00	3,895.00	560.88	7,011.00	6,232.00	6,232.00	623.20	4,013.10
										0.00		
<b>EQ.STA</b>	<b>Eq. Sta. 335+00.00 BK = 736+14.79 AH</b>	767+89.62	736+14.79	3,174.83	2,116.55	3,527.59	507.97	6,349.66	5,644.14	5,644.14	564.41	3,634.55
		335+00.00	291+62.33	4,337.67	2,891.78	4,819.63	694.03	8,675.34	7,711.41	7,711.41	771.14	4,965.76
	<b>MACON/DEWITT COUNTY LINE</b>											
	<b>SOUTHBOUND TOTALS</b>				<b>30,838.27</b>	<b>51,397.11</b>	<b>7,401.18</b>	<b>92,514.80</b>				
				<b>46,257.40</b>	<b>82,235.38</b>		<b>99,915.98</b>		<b>82,235.38</b>	<b>82,235.38</b>	<b>8,223.54</b>	<b>52,955.47</b>
	<b>JOB TOTALS</b>			<b>92,019.72</b>	<b>163,590.61</b>		<b>198,762.60</b>		<b>163,590.61</b>	<b>163,590.61</b>	<b>16,359.06</b>	<b>105,344.18</b>

\* Quantity reflects 1 crack greater than 3/4" every 100 feet.

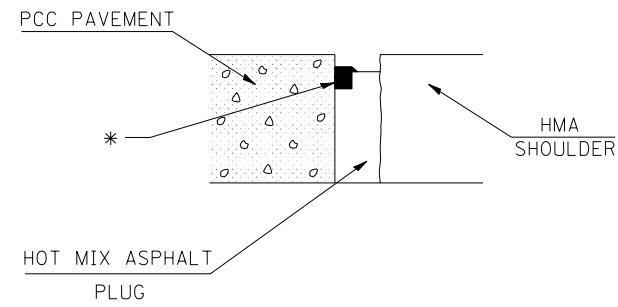
\*\* Quantity reflects 1 crack between pavement and shoulder on each side of US 51 for length of section

## CRACK ROUTING DETAIL

TRANSVERSE CRACKS  
AND JOINTS AND  
EDGE LINE JOINT



LONGITUDINAL  
SHOULDER JOINT



\* HOT ASPHALT CRACK ROUTING  
3/4 " x 3/4 " x LENGTH OF CRACK, AS NEEDED.  
FIBER ASPHALT LEFT FLUSH WITH PAVEMENT.

FILE NAME =	USER NAME = leroyma	DESIGNED -	REVISED - 11/06
ct:\pwwork\pwidot\LEROYMA\d0149985\0570809-sht-details.dgn		DRAWN - JJB	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 11/17/2009	DATE - 7-9-09	REVISED -

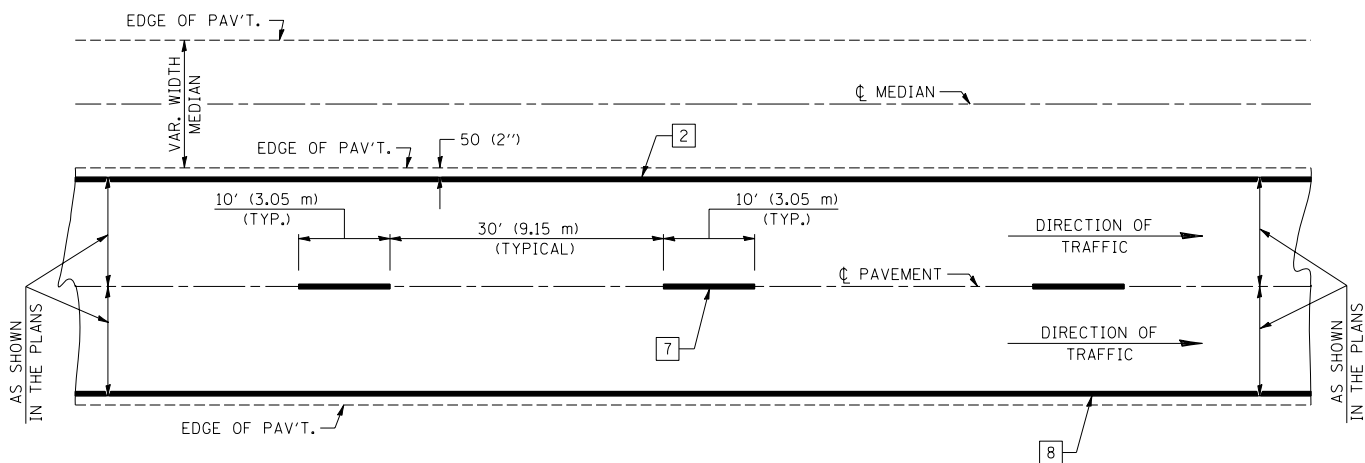
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CRACK ROUTING DETAIL**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	2010PPP	DEWITT	11	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70809	

CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY

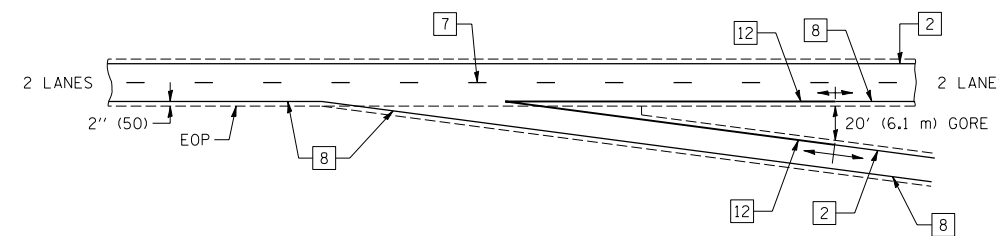


NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

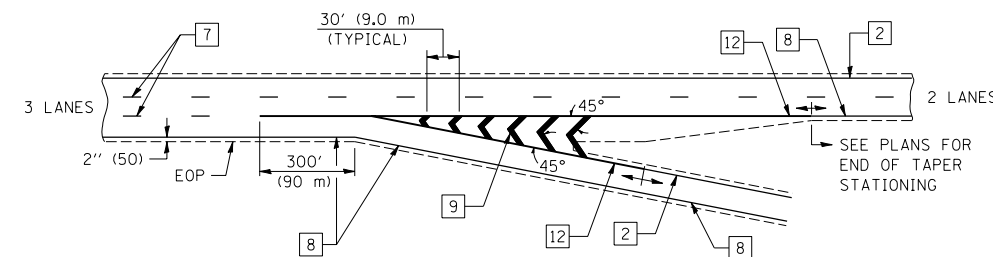
NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.

FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

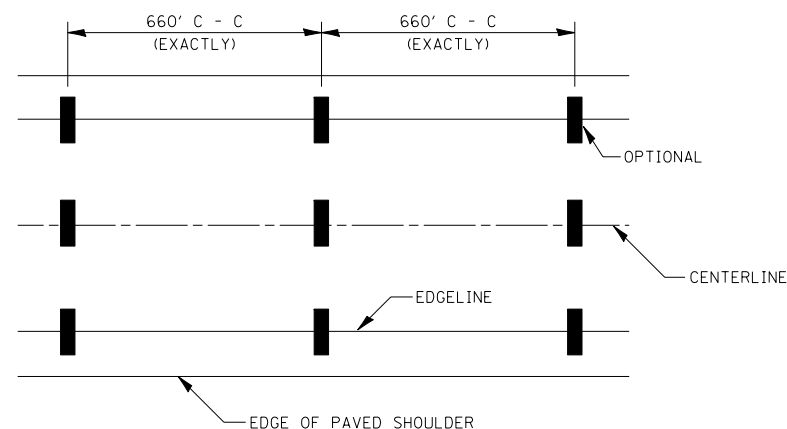
TYPICAL EXIT RAMP TERMINAL



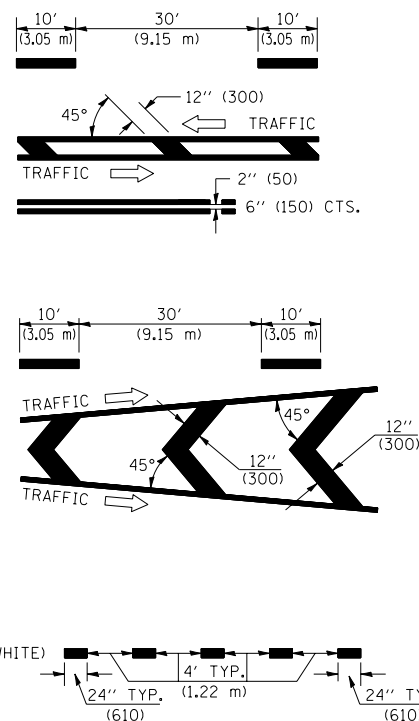
EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



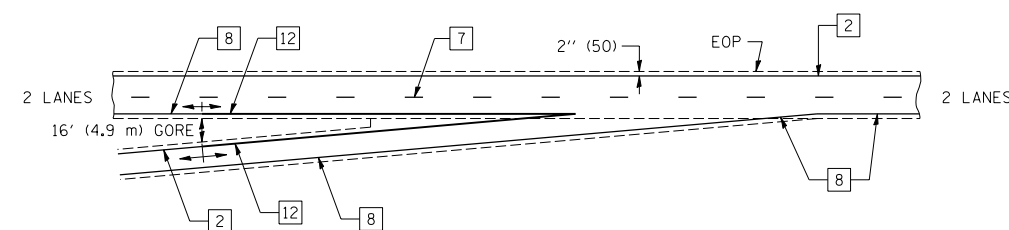
TYPICAL PAVEMENT MARKING LEGEND



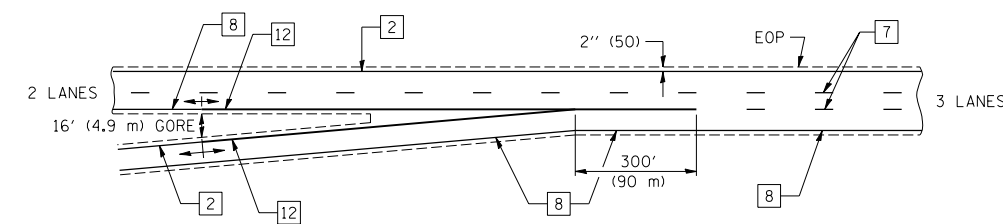
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)



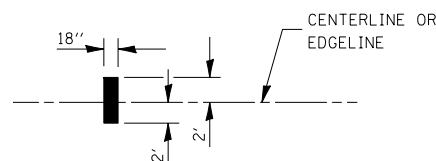
TYPICAL ENTRANCE RAMP TERMINAL



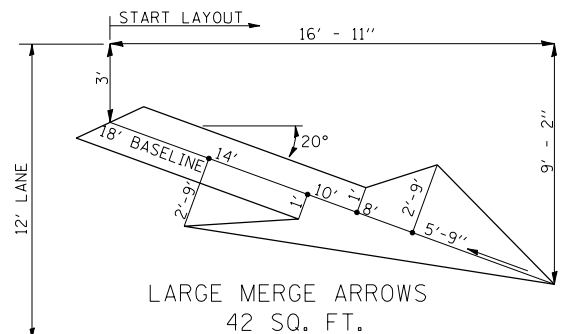
ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



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.



AERIAL SPEED CHECK ZONES



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = leroyma	DESIGNED -	REVISED - 11/06
ct:\pwwork\pwwid\LEROYMA\d0149985\0570809-sht-details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 11/17/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING (INTERSTATE & MULTI-LANE APPLICATIONS)

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

DISTRICT 5 DETAIL NO. 7800BBBB

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	2010PPP	DEWITT	11	11
CONTRACT NO. 70809				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				