

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	D7 JOINT REPAIRS 2023-1	MACON	6	1
		ILLINOIS	CONTRACT NO. 74B50	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT = 13,700 (2021)

**PROPOSED  
HIGHWAY PLANS**

F.A.I. ROUTE 72 (I-72, US 51)  
SECTION D7 JOINT REPAIRS 2023-1

LONGITUDINAL JOINT REPAIR  
MACON COUNTY

C-97-120-22

D-97-071-22



PROJECT BEGINS  
MILEPOST 132



PROJECT ENDS  
MILEPOST 141



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 EXCAVATORS  
1-800-892-0123  
OR 811

PROJECT ENGINEER: MATT BOWER  
PROJECT MANAGER: DESTINY WILLIAMS  
PHONE: 217-342-8359  
CONTRACT NO. 74B50

GROSS LENGTH = 47,520.00 FT. = 9.00 MILES  
NET LENGTH = 47,520.00 FT. = 9.00 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 3, 2023  
Jeffrey P. Meyer  
REGIONAL ENGINEER

March 24, 2023  
Steph M. Spauld  
ENGINEER OF DESIGN AND ENVIRONMENT

March 24, 2023  
Steph M. Spauld  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

**STANDARDS IN THE PLANS**

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

STD. NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-13	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS =>45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS =>45 MPH
701446-11	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701456-05	PARTIAL EXT RAMP CLOSURE FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

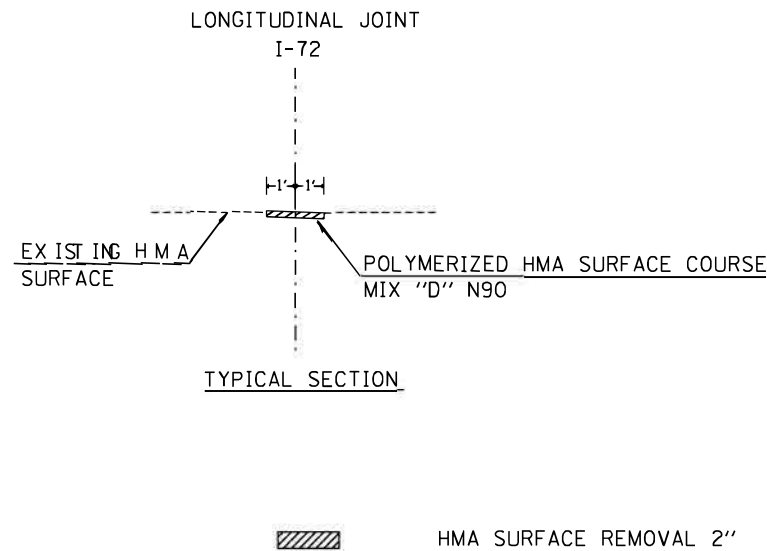
**INDEX OF SHEETS**

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX, STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	SCHEDULE OF QUANTITIES
5-6	TYPICAL APPLICATIONS OF INTERSTATE PAVEMENT MARKING

**GENERAL NOTES**

THE WORK IN THIS SECTION CONSISTS OF HOT-MIX ASPHALT SURFACE REMOVAL, HOT-MIX ASPHALT SURFACE RESURFACING, RAISED REFLECTIVE PAVEMENT MARKER REMOVAL, PAVEMENT MARKINGS, RAISED REFLECTIVE PAVEMENT MARKERS, TRAFFIC CONTROL, AND ANY OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

WHEN APPLYING SHORT TERM PAVEMENT MARKINGS, TEMPORARY TAPE SHALL BE USED ON THE SURFACE AND PAINT SHALL BE USED ON THE MILLED



APPLICATION	AC/PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	QUALITY MANAGEMENT
POLYMERIZED HMA SURFACE COURSE, MIX "D", N90	SBS PG 70-22	4.0% @ N=90	IL - 9.5	MIXTURE D	QC/QA

MODEL: D:\draft\...  
 FILE NAME: ...  
 PROJECT: ...

USER NAME = Jessica.Hille	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/3/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS,  
GENERAL NOTES, AND TYPICAL SECTION**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	D7 JOINT REPAIRS 2023-1	MACON	6	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74850	

100% STATE

100% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 URBAN		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4354	4354		
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	TON	1084	1084		
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	9676	9676		
67100100	MOBILIZATION	L SUM	1	1		
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	10	10		
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1		
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1	1		
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4239	4239		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1413	1413		
* 78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	10598	10598		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 URBAN		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1060	1060		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1060	1060		
X7010410	SPEED DISPLAY TRAILER	CAL MO	1	1		

\* SPECIALTY ITEM

REV. - MS

MODEL: Default  
 FILE NAME: p:\ultra-cw-bee\p\com\p\INDOT\Documents\DOT Office\Drawings\74850\CAD\Drawings\74850-4-500.dgn

USER NAME = Jessica.Hille	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/3/2023	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	D7 JOINT REPAIRS 2023-1	MACON	6	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74850	

SCHEDULE OF QUANTITIES									
LOCATION	MILEPOST	LENGTH	HOT-MIX ASPHALT SURFACE REMOVAL 2"	BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N-90	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	RAISED REFLECTIVE PAVEMENT MARKER
		FEET	SQ YD	POUND	TON	FOOT	SQ FT	FOOT	EACH
EBDL RT	MP 132.187 to 132.313	665	148	67	17	67	22	166	17
EBDL RT	132.382 to 132.391	50	11	5	1	5	2	13	1
EBDL RT	132.451 to 132.463	65	14	7	2	7	2	16	2
EBCL	132.737 to 132.900	865	192	87	22	87	29	216	22
EBramp to 51	132.765 to 132.982	1150	511	230	57	115	38	288	29
EBCL	133.014 to 133.033	100	22	10	2	10	3	25	3
EBCL	133.060 to 133.100	215	48	22	5	22	7	54	5
EBCL	133.277 to 133.293	85	19	9	2	9	3	21	2
EBCL	133.335 to 133.445	585	130	59	15	59	20	146	15
EBCL	133.540 to 133.595	295	66	30	7	30	10	74	7
EBCL	133.635 to 133.825	1005	223	101	25	101	34	251	25
EBCL	133.850 to 133.940	475	106	48	12	48	16	119	12
NB51CL	133.864 to 133.940	400	89	40	10	40	13	100	10
EBDL RT	133.915 to 133.940	135	30	14	3	14	5	34	3
EBDL RT	133.980 to 134.115	715	159	72	18	72	24	179	18
EBDL RT	134.135 to 134.145	55	12	6	1	6	2	14	1
EBDL RT	134.173 to 134.438	1400	311	140	35	140	47	350	35
EBCL	134.478 to 134.575	515	114	52	13	52	17	129	13
EBCL	134.740 to 134.775	185	41	19	5	19	6	46	5
EBCL	134.810 to 134.882	120	27	12	3	12	4	30	3
EBCL	134.948 to 134.953	30	7	3	1	3	1	8	1
EBCL	134.995 to 135.002	40	9	4	1	4	1	10	1
EBCL	134.035 to 135.153	625	139	63	16	63	21	156	16
EBCL	135.762 to 135.784	120	27	12	3	12	4	30	3
EBCL	135.993 to 136.010	90	20	9	2	9	3	23	2
EBCL	136.805 to 136.816	60	13	6	1	6	2	15	2
EBCL	137.159 to 137.782	3290	731	329	82	329	110	823	82
EBCL	137.910 to 137.950	215	48	22	5	22	7	54	5
EBCL	137.940 to 138.000	320	71	32	8	32	11	80	8
EBCL	138.140 to 138.185	240	53	24	6	24	8	60	6
EBCL	138.263 to 138.328	345	77	35	9	35	12	86	9
EBDL RT	138.435 to 138.609	920	204	92	23	92	31	230	23
EBCL	138.485 to 138.653	890	198	89	22	89	30	223	22
EBCL	138.725 to 138.866	745	166	75	19	75	25	186	19
EBCL	138.905 to 139.501	720	160	72	18	72	24	180	18
EBCL	139.385 to 139.478	490	109	49	12	49	16	123	12
EBCL	139.700 to 139.741	220	49	22	5	22	7	55	6
EBCL	139.810 to 139.845	185	41	19	5	19	6	46	5
EBCL	139.900 to 139.930	160	36	16	4	16	5	40	4
EBCL	140.105 to 140.160	290	64	29	7	29	10	73	7
EBCL	140.305 to 140.325	135	30	14	3	14	5	34	3
<b>East end 140.627</b>									

SCHEDULE OF QUANTITIES									
LOCATION	MILEPOST	LENGTH	HOT-MIX ASPHALT SURFACE REMOVAL 2"	BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N-90	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	RAISED REFLECTIVE PAVEMENT MARKER
		FEET	SQ YD	POUND	TON	FOOT	SQ FT	FOOT	EACH
WBCL	140.330+139.908	2230	496	223	56	223	74	558	56
WBCL	139.884 to 139.834	265	59	27	7	27	9	66	7
WBCL	139.800 to 139.555	1295	288	130	32	130	43	324	32
WBCL	139.505 to 139.475	160	36	16	4	16	5	40	4
WBCL	139.450 to 139.145	1610	358	161	40	161	54	403	40
WBCL	139.120 to 138.790	1745	388	175	43	175	58	436	44
WBDL RT	138.810 to 138.710	530	118	53	13	53	18	133	13
WBDL RT	138.680 to 138.660	105	23	11	3	11	4	26	3
WBCL	138.620 to 138.535	450	100	45	11	45	15	113	11
WBCL	138.505 to 138.485	105	23	11	3	11	4	26	3
EXIT RAMP, JTRt	138.420 to 138.360	320	71	32	8	32	11	80	8
WBDL RT	138.365 to 137.800	2985	663	299	74	299	100	746	75
WBCL	137.745 to 137.635	500	111	50	12	50	17	125	13
WBDL RT	137.745 to 137.720	135	30	14	3	14	5	34	3
WBCL	137.610 to 137.400	1110	247	111	28	111	37	278	28
WBDL RT	137.610 to 137.545	345	77	35	9	35	12	86	9
WBCL	137.500 to 137.165	715	159	72	18	72	24	179	18
WBCL	136.520 to 136.730	1110	247	111	28	111	37	278	28
WBCL	136.575 to 136.560	80	18	8	2	8	3	20	2
WBCL	136.325 to 136.280	240	53	24	6	24	8	60	6
WBCL	135.150 to 135.000	795	177	80	20	80	27	199	20
WBCL	134.625 to 134.615	55	12	6	1	6	2	14	1
WBCL	134.505 to 134.455	265	59	27	7	27	9	66	7
WBPL LT	134.480 to 134.455	135	30	14	3	14	5	34	3
WBPL LT	134.415 to 134.338	410	91	41	10	41	14	103	10
WBCL	134.415 to 134.380	185	41	19	5	19	6	46	5
WBCL	134.363 to 134.338	135	30	14	3	14	5	34	3
WBCL	134.315 to 133.955	1900	422	190	47	190	63	475	48
WBPL LT	134.150 to 134.110	215	48	22	5	22	7	54	5
WBPL LT	133.900 to 133.870	160	36	16	4	16	5	40	4
WBCL	133.335 to 133.325	55	12	6	1	6	2	14	1
WBCL	133.290 to 133.150	740	164	74	18	74	25	185	19
WBPL LT	133.035 to 133.000	185	41	19	5	19	6	46	5
WBCL	132.880 to 132.780	530	118	53	13	53	18	133	13
WBPL LT	132.840 to 132.745	505	112	51	13	51	17	126	13
WBPL LT	132.715 to 132.600	610	136	61	15	61	20	153	15
WBCL	132.460 to 132.410	265	59	27	7	27	9	66	7
<b>TOTALS</b>		<b>42390</b>	<b>9576</b>	<b>4354</b>	<b>1084</b>	<b>4239</b>	<b>1413</b>	<b>10598</b>	<b>1060</b>

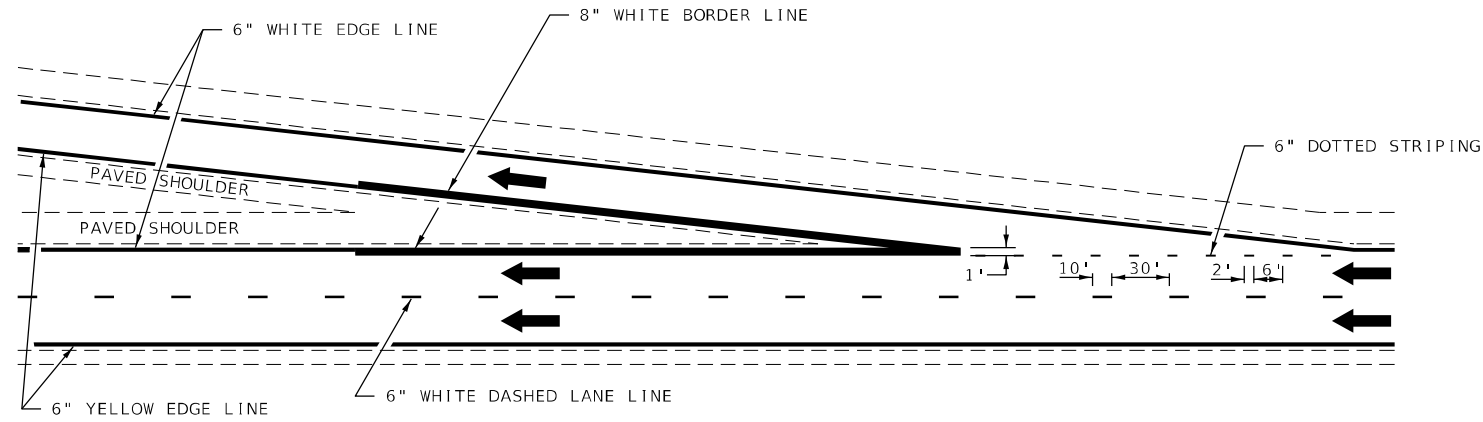
MODEL: Default  
 FILE: \\mfrs-pw-benefits.com\FIN\DOT\Documents\DOT\_Offices\Director\_7\Project\74850\CAD\data\CAD\Sheet\DOT74850-Resched.dwg

USER NAME = Jessica.Hille	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 2/3/2023	CHECKED -	REVISED -
	DATE -	REVISED -

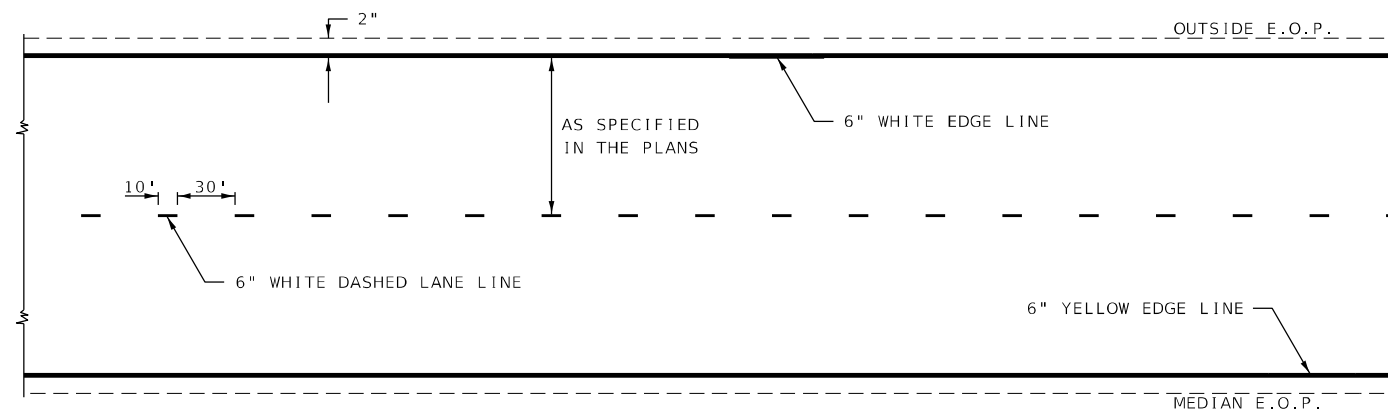
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULE OF QUANTITIES</b>	
SCALE: N/A	SHEET OF SHEETS STA. TO STA.

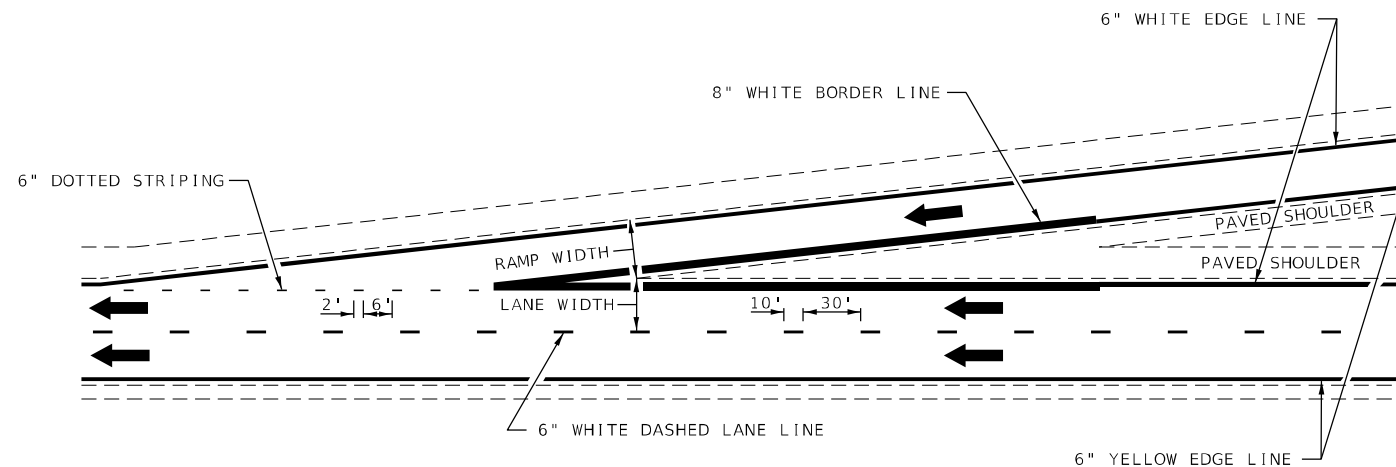
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	D7 JOINT REPAIRS 2023-1	MACON	6	4
CONTRACT NO. 74850				
ILLINOIS FED. AID PROJECT				



TYPICAL EXIT RAMP MARKING



TYPICAL CENTERLINE & EDGELINE MARKINGS



TYPICAL ENTRANCE RAMP MARKING

NOT TO SCALE

DISTRICT 7 DETAIL NO. 7800002

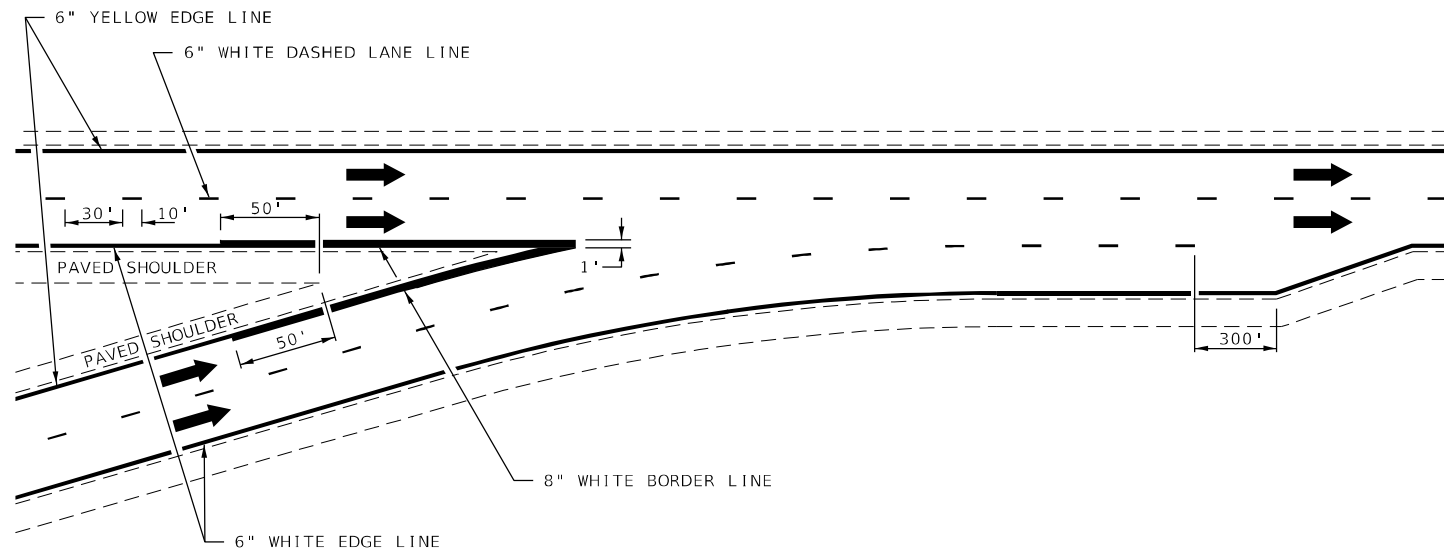
USER NAME = Jessica.Hille	DESIGNED -	REVISED - MKS 04-08
	DRAWN -	REVISED - DRM 01-09
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - DRM 12-10
PLOT DATE = 2/3/2023	DATE -	REVISED - MAD 01-20

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

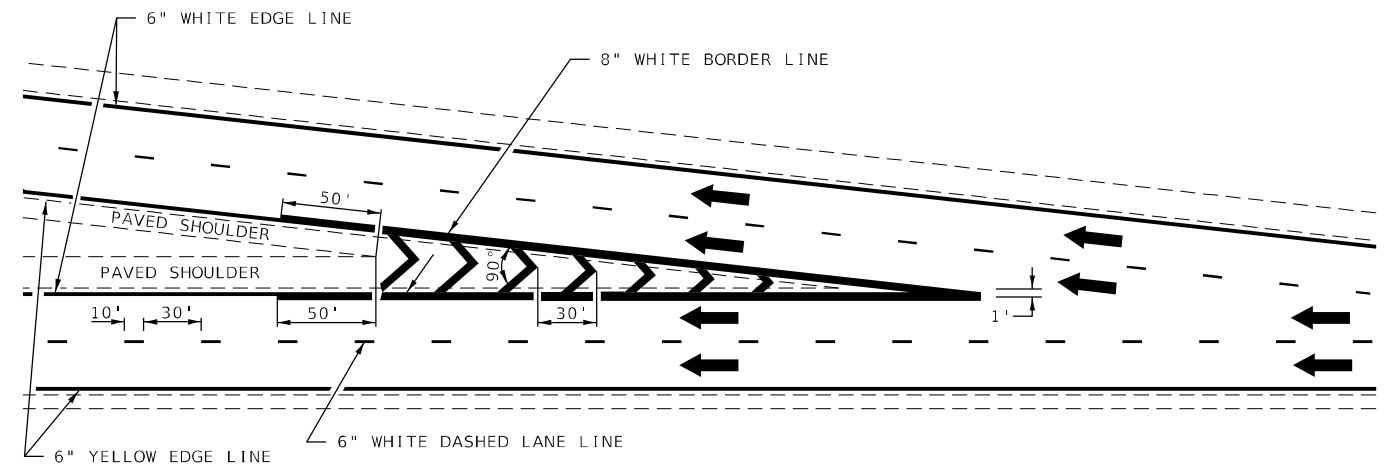
TYPICAL APPLICATIONS OF FREEWAY/EXPRESSWAY  
PAVEMENT MARKING

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	6	5
CONTRACT NO. 74B50				
ILLINOIS FED. AID PROJECT				

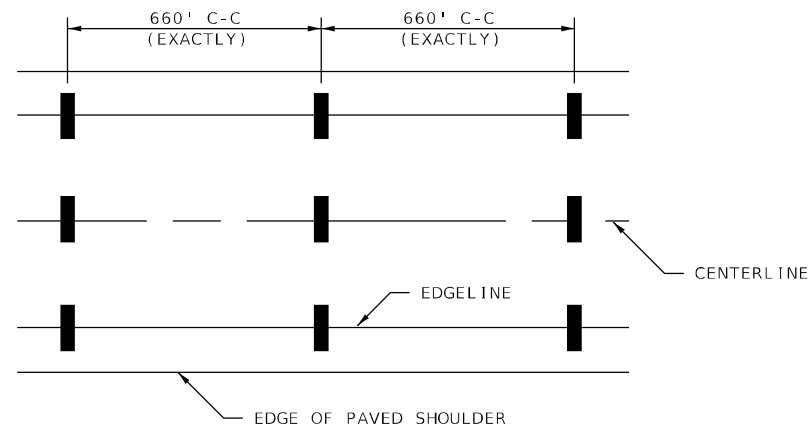


TYPICAL CONVERGENCE MARKING

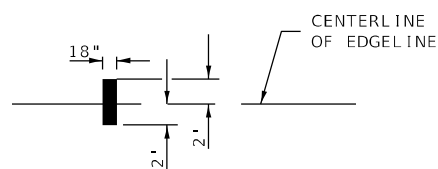


TYPICAL DIVERGENCE MARKING

AERIAL SPEED CHECK ZONES



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.



NOT TO SCALE

DISTRICT 7 DETAIL NO. 7800002

USER NAME = Jessica.Hille	DESIGNED -	REVISED -	MMO 12-99
	DRAWN -	REVISED -	DRM 08-04
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -	MKS 04-08
PLOT DATE = 2/3/2023	DATE -	REVISED -	DRM 01-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS OF FREEWAY/EXPRESSWAY  
PAVEMENT MARKING

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	6	6
CONTRACT NO. 74B50			ILLINOIS FED. AID PROJECT	

MODEL: Default  
FILE: M:\MIS\_P\Subsect-pw-bead-fwy.com\FW\DOT\Documents\DOT\_Offices\District\_7\Project\74B50\CADD\Drawings\CAD\Sheet\74B50-sh-detailed.dgn