

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

F.A.I. ROUTE 72 (I-72)  
SECTION D7 PAVT PRSV 2014-2

**MICROSURFACING  
MACON COUNTY**

C-97-060-14

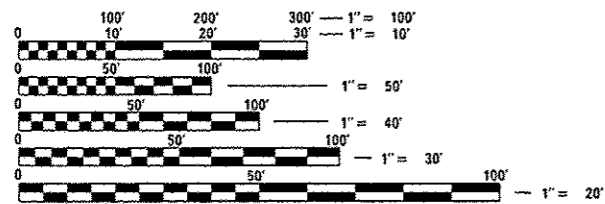
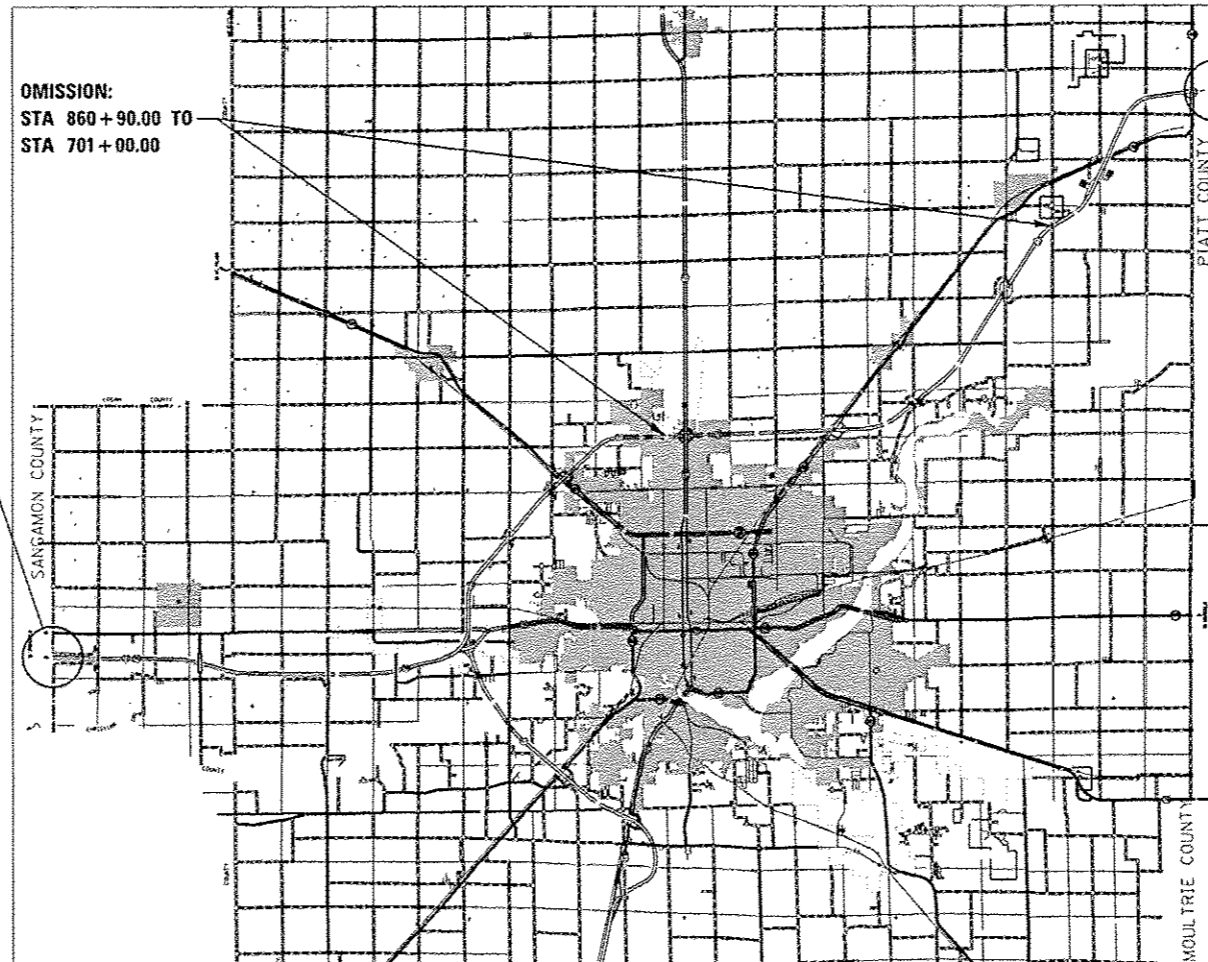
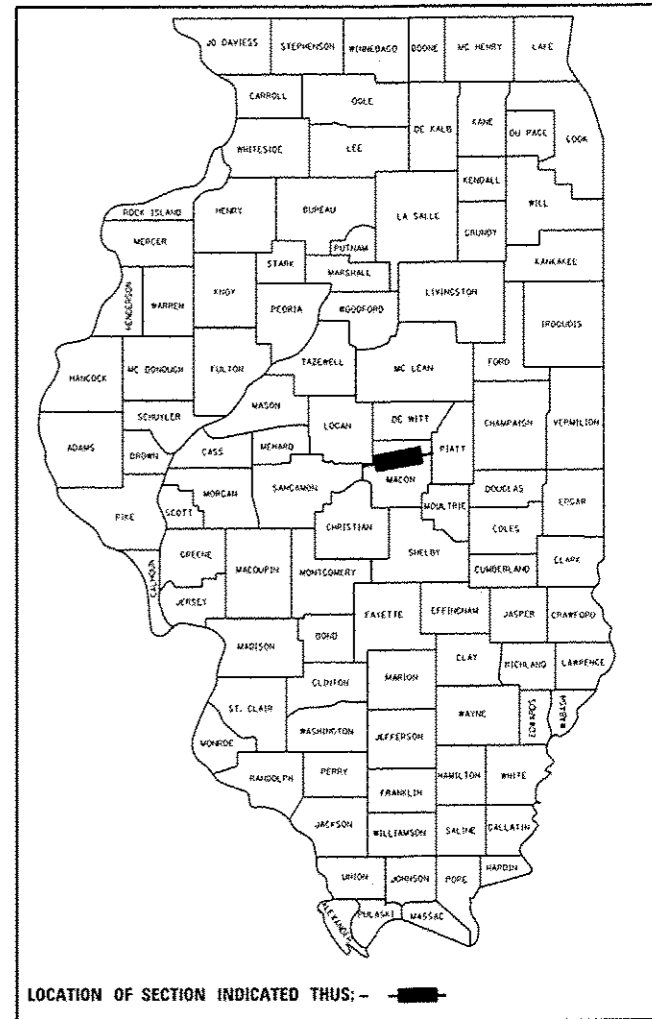
FOR INDEX OF SHEETS, SEE SHEET NO. 2

SEE SHEET NO. 2 FOR STATION EQUATIONS,  
PAVING OMISSIONS AND BRIDGE OMISSIONS

ADT = 12,000 (2013)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	D7 PAVT PRSV 2014-2	MACON	8	1
		ILLINOIS	CONTRACT NO. 74662	

D-97-022-14



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: TOM RONAN  
PROJECT MANAGER: JEFF DAVISON  
PHONE: (217)-342-8314  
CONTRACT NO. 74662

GROSS LENGTH = 169,702 FT. = 32.1 MILES  
NET LENGTH = 110,218 FT. = 20.9 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED JANUARY 23 20 15  
Roger L. Driskell  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Mar 20 20 15  
John D. Baranzelli P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

Mar 20 20 15  
Amor Osman P.E.  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

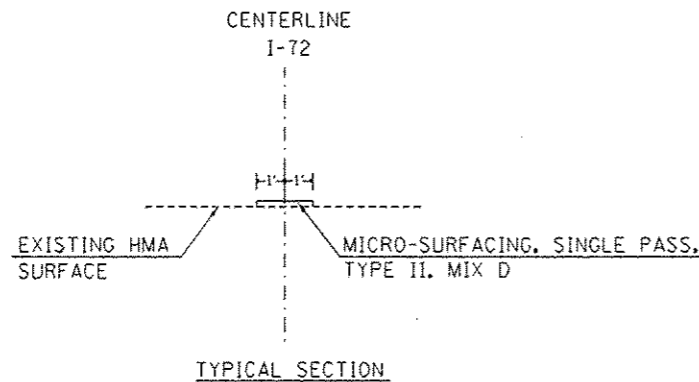
**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX/STANDARDS/GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4-6 SCHEDULE OF QUANTITIES
- 7-8 DISTRICT DETAILS

STANDARDS IN THE PLANS

STD. NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701400-08	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-09	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS >45 MPH
701426-07	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS >45 MPH
701446-06	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701456-03	PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
701901-04	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVMENT MARKERS



GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" INDICATED ON THE CHECK SHEET, AND "THE SPECIAL PROVISIONS" INCLUDED IN THIS PROPOSAL.

THE PROPOSED WORK IS LOCATED ON ROUTE I-72 IN MACON COUNTY.

THE WORK IN THIS SECTION CONSISTS OF PAVEMENT MARKING REMOVAL, RAISED REFLECTIVE PAVEMENT MARKER REMOVAL, LONGITUDINAL JOINT REPAIR, MICRO-SURFACING, PAVEMENT MARKING, RAISED REFLECTIVE PAVEMENT MARKERS, TRAFFIC CONTROL, AND ANY OTHER WORK NECESSARY TO COMPLETE THIS SECTION PER THE STANDARD SPECIFICATIONS.

THERE WILL BE NO CRACK/JOINT SEALING, BUMP REMOVAL, OR SCRATCH COAT FILLING ON THIS PROJECT.

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION T80 OF THE STANDARD SPECIFICATIONS.

ALL SHORT-TERM PAVEMENT MARKING SHALL BE TAPE. THE TAPE SHALL BE PLACED BEYOND THE LIMITS OF THE MICRO-SURFACING ON THE PASSING LANE SIDE.

THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PUT IN AS DOUBLE MARKERS AS SHOWN ON STANDARD 781001-03.

RATES OF APPLICATIONS USED TO CALCULATE THE QUANTITIES ARE AS FOLLOWS:

BITUMINOUS MATERIALS (PRIME COAT)	0.05 LBS / SQ FT
LONGITUDINAL JOINT REPAIR	2.016 TON / CU YD

STATION EQUATIONS

STATION EQUATIONS (EB)

STA. 414+77.15(BK I-72) = STA. 415+07.22(AH EB)  
 STA. 454+66.00(I-72 EB) = STA. 554+66.00(US 36 SPUR)  
 STA. 506+49.02(MED EOP I-72 EB) = STA. 806+49.02(US 51 SPUR NB)  
 STA. 748+14.14(BK I-72) = STA. 1748+14.14(AH I-72 EB)  
 STA. 1810+87.66(BK I-72 EB) = STA. 813+24.12(AH I-72)  
 STA. 861+36.68(BK) = STA. 126+68.00(AH)

STATION EQUATIONS (WB)

STA. 423+27.33(BK I-72) = STA. 223+27.33(AH I-72 WB)  
 STA. 266+09.55(WB I-72) = STA. 366+09.55(US 36 SPUR EB)  
 STA. 325+29.33(BK I-72 WB) = STA. 528+90.28(AH I-72)  
 STA. 748+49.27(BK I-72) = STA. 2748+49.27(AH I-72 WB)  
 STA. 2842+23.98(BK I-72 WB) = STA. 841+26.91(AH I-72)  
 STA. 861+36.68(BK) = STA. 126+68.00(AH)

BRIDGE OMISSIONS

BRIDGE OMISSIONS (EB)

STA. 331+92.00 TO STA. 332+72.00  
 STA. 473+80.48 TO STA. 476+03.41  
 STA. 490+01.66 TO STA. 492+18.32  
 STA. 507+85.14 TO STA. 509+95.56  
 STA. 533+92.76 TO STA. 536+03.76  
 STA. 723+11.23 TO STA. 725+80.03  
 STA. 719+04.20 TO STA. 723+19.80  
 STA. 796+64.75 TO STA. 800+44.75

BRIDGE OMISSIONS (WB)

STA. 331+92.00 TO STA. 332+72.00  
 STA. 304+25.28 TO STA. 306+21.29  
 STA. 533+92.76 TO STA. 536+03.76  
 STA. 723+11.23 TO STA. 725+80.03  
 STA. 719+04.20 TO STA. 723+19.80  
 STA. 796+64.75 TO STA. 800+44.75

PAVING OMISSIONS

PAVING OMISSIONS (EB & WB)

STA. 860+90.00 TO STA. 861+36.68  
 STA. 861+36.68(BK) = STA. 126+68.00(AH)  
 STA. 126+68.00 TO STA. 701+00.00

FILE NAME =	USER NAME = teasleyk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, STANDARDS IN THE PLANS, GENERAL NOTES, TYPICAL SECTION, STATION EQUATIONS AND BRIDGE OMISSIONS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
o:\p\work\pav\dot\teasleyk\ad8392687\07	4562-sht-rundr.dgn	DRAWN -	REVISED -			72	DT PAVT PRSV 2014-2	MACON	8	2	
Default	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -			CONTRACT NO. 74662					
	PLOT DATE = 1/28/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		100% STATE 0005		
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	24776	24776		
67100100	MOBILIZATION	L SUM	1	1		
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	16	16		
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		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	23964	23964		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	7908	7908		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2030	2030		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	59909	59909		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	5990	5990		
78300100	PAVEMENT MARKING REMOVAL	SO FT	30052	30052		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		100% STATE 0005		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2996	2996		
X7010410	SPEED DISPLAY TRAILER	CAL MO	6	6		
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	28	28		
Z0033650	LONGITUDINAL JOINT REPAIR	TON	30	30		
Z0063804	MICRO-SURFACING, SINGLE PASS, TYPE II, MIXTURE D	SO YD	55056	55056		

\* SPECIALTY ITEM

SCHEDULE OF QUANTITIES (EB)				LENGTH	NUMBER OF CENTERLINE JOINTS TO MICRO-SURFACE	BITUMINOUS MATERIALS ( PRIME COAT)	SHORT TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	THERMOPLASTIC PAVEMENT MARKING-LINE 6"( WHITE SKIP-DASH)	RAISED REFLECTIVE PAVEMENT MARKER	PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	MICRO-SURFACING, SINGLE PASS, TYPE II, MIX D
LOCATION	STATION	TO	STATION										
I-72 EB													
	0+00.00		331+92.00	33,192.0	1 CL	3,319	3,319	1,095	8,298	830	4,149	415	7,376
BRIDGE OMISSION	331+92.00		332+72.00										
	332+72.00		414+66.00	8,194.0	1 CL	819	819	270	2,049	205	1,024	102	1,821
	414+66.00		414+77.15	11.2	2 CL	2	2	1	6	1	3	1	5
STATION EQ:	414+77.15(BK)	=	415+07.22(AH)										
	415+07.22		445+66.00	3,058.8	2 CL	612	612	202	1,529	153	765	76	1,359
	445+66.00		450+42.07	476.1	3 CL	143	143	47	357	36	179	18	317
	450+42.07		454+66.00	423.9	1 CL	42	42	14	106	11	53	5	94
STATION EQ:	454+66.00(I-72)	=	554+66.00(US 36 SPUR)										
US 36 SPUR	554+66.00		559+09.00	443.0	1 CL	44	44	15	111	11	55	6	98
	454+66.00		473+80.48	1,914.5	1 CL	191	191	63	479	48	239	24	425
BRIDGE OMISSION	473+80.48		476+03.41										
	476+03.41		490+01.66	1,398.3	1 CL	140	140	46	350	35	175	17	311
BRIDGE OMISSION	490+01.66		492+18.32										
	492+18.32		507+85.14	1,566.8	1 CL	157	157	52	392	39	196	20	348
STATION EQ:	506+49.02 (MED I-72)	=	806+49.02(NB US 51 NB)										
US 51 NB SPUR	802+60.00		806+52.00	392.0	1 CL	39	39	13	98	10	49	5	87
	806+52.00		807+85.14	133.1	2 CL	27	27	9	67	7	33	3	59
BRIDGE OMISSION	507+85.14		509+95.56										
	509+95.56		533+92.76	2,397.2	2 CL	479	479	158	1,199	120	599	60	1,065
BRIDGE OMISSION	533+92.76		536+03.76										
	536+03.76		710+00.00	17,396.2	1 CL	1,740	1,740	574	4,349	435	2,175	217	3,866
	710+00.00		723+11.23	1,311.2	1 CL	131	131	43	328	33	164	16	291
BRIDGE OMISSION	723+11.23		725+80.03										
	725+80.03		748+14.14	2,234.1	1 CL	223	223	74	559	56	279	28	496
STATION EQ:	748+14.14(BK I-72)	=	1748+14.14(AH EB I-72)										
	1748+14.14		1810+87.66	6,273.5	1 CL	627	627	207	1,568	157	784	78	1,394
STATION EQ:	1810+87.66(BK EB I-72)	=	813+24.12(AH I-72)										
	813+24.12		860+90.00	4,765.9	1 CL	477	477	157	1,191	119	596	60	1,059
OMISSION	860+90.00		861+36.68										
STATION EQ:	861+36.68(BK)	=	126+68.00(AH)										0
OMISSION	126+68.00		701+00.00										
	701+00.00		719+04.20	1,804.2	1 CL	180	180	60	451	45	226	23	401
BRIDGE OMISSION	719+04.20		723+19.80										
	723+19.80		796+64.75	7,345.0	1 CL	734	734	242	1,836	184	918	92	1,632
BRIDGE OMISSION	796+64.75		800+44.75										
	800+44.75		965+00.00	16,455.3	1 CL	1,646	1,646	543	4,114	411	2,057	206	3,657
			TOTALS	111,186.2		11,774	11,774	3,885	29,435	2,943	14,717	1,472	26,164

SCHEDULE OF QUANTITIES (WB)													
LOCATION	STATION	TO	STATION	LENGTH	NUMBER OF CENTERLINE JOINTS TO MICRO-SURFACE	BITUMINOUS MATERIALS (PRIME COAT)	SHORT TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	THERMOPLASTIC PAVEMENT MARKING-LINE 6" (WHITE SKIP-DASH)	RAISED REFLECTIVE PAVEMENT MARKER	PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	MICRO-SURFACING, SINGLE PASS, TYPE II, MIX D
I-72 WB				FEET		POUND	FOOT	SO. FT.	FOOT	EACH	SO. FT.	EACH	SO. YD.
	0+00.00		331+92.00	33,192.0	1 CL	3,319	3,319	1,095	8,298	830	4,149.0	415	7,376
BRIDGE OMISSION	331+92.00		332+72.00										
	332+72.00		423+27.33	9,055.3	1 CL	906	906	299	2,264	226	1,131.9	113	2,012
STATION EQ:	423+27.33(BK I-72) = 223+27.33(AH WB I-72)												
	223+27.33		234+09.55	1,082.2	1 CL	108	108	36	271	27	135.3	14	240
	234+09.55		255+09.55	2,100.0	2 CL	420	420	139	1,050	105	525.0	53	933
	255+09.55		259+05.10	395.5	3 CL	119	119	39	297	30	148.3	15	264
	259+05.10		266+09.55	704.5	2 CL	141	141	46	352	35	176.1	18	313
STATION EQ:	266+09.55(WB I-72) = 366+09.55(US 36 SPUR)												
US 36 SPUR WB	366+09.55		368+75.00	265.4	1 CL	27	27	9	66	7	33.2	3	59
	266+09.55		304+25.28	3,815.7	1 CL	382	382	126	954	95	477.0	48	848
BRIDGE OMISSION	304+25.28		306+21.29										
	306+21.29		325+29.33	1,908.0	1 CL	191	191	63	477	48	238.5	24	424
STATION EQ:	325+29.33(BK WB I-72) = 528+90.28(AH I-72)												
	528+90.28		533+92.76	502.5	1 CL	50	50	17	126	13	62.8	6	112
BRIDGE OMISSION	533+92.76		536+03.76										
	536+03.76		695+50.00	15,946.2	1 CL	1,595	1,595	526	3,987	399	1,993.3	199	3,544
	695+50.00		723+11.23	2,761.2	2 CL	552	552	182	1,381	138	690.3	69	1,227
BRIDGE OMISSION	723+11.23		725+80.03										
	725+80.03		748+49.27	2,269.2	2 CL	454	454	150	1,135	113	567.3	57	1,009
STATION EQ:	748+49.27(BK I-72) = 2748+49.27(AH WB I-72)												
	2748+49.27		2771+79.00	2,329.7	2 CL	466	466	154	1,165	116	582.4	58	1,035
	2771+79.00		2842+23.98	7,045.0	1 CL	704	704	232	1,761	176	880.6	88	1,566
STATION EQ:	2842+23.98(BK WB I-72) = 841+26.91(AH I-72)												
	841+26.91		860+90.00	1,963.1	1 CL	196	196	65	491	49	245.4	25	436
OMISSION	860+90.00		861+36.68										
STATION EQ:	861+36.68(BK) = 126+68.00(AH)												
OMISSION	126+68.00		701+00.00										
	701+00.00		719+04.20	1,804.2	1 CL	180	180	60	451	45	225.5	23	401
BRIDGE OMISSION	719+04.20		723+19.80										
	723+19.80		796+64.75	7,345.0	1 CL	734	734	242	1,836	184	918.1	92	1,632
BRIDGE OMISSION	796+64.75		800+44.75										
	800+44.75		965+00.00	16,455.3	1 CL	1,646	1,646	543	4,114	411	2,056.9	206	3,657
			TOTALS	110,940.2		12,190	12,190	4,023	30,474	3,047	15,237.0	1,524	27,088

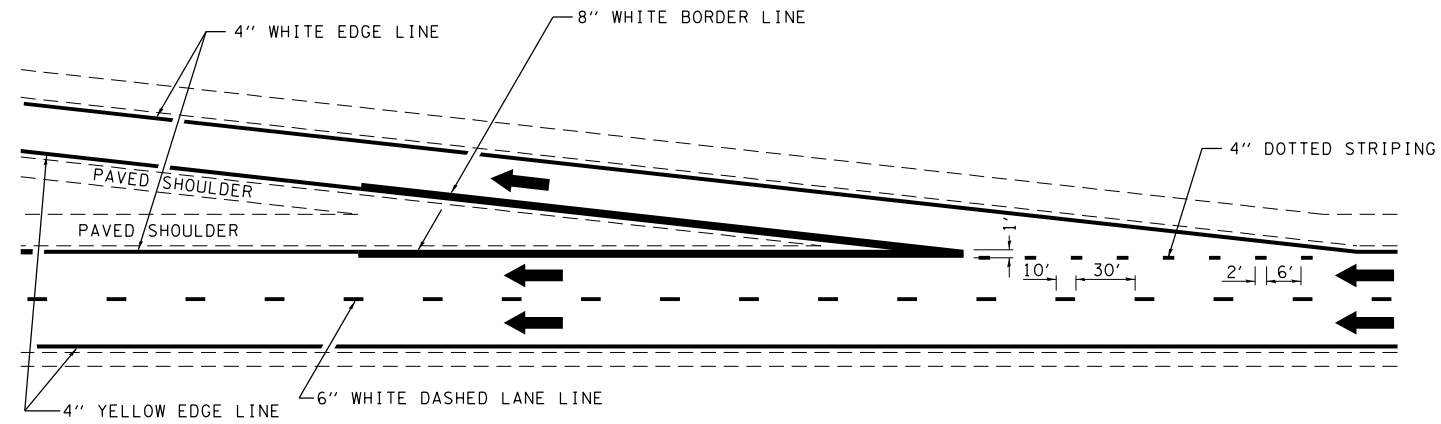
SCHEDULE OF QUANTITIES ( INTERCHANGES )		BITUMINOUS MATERIALS ( PRIME COAT )	THERMOPLASTIC PAVEMENT MARKING-LINE 4" ( WHITE DOTTED STRIPING )	PAVEMENT MARKING REMOVAL	MICRO-SURFACING, SINGLE PASS, TYPE II, MIX D	
LOCATION	LENGTH					
NIANTIC INTG	FEET	POUND	FOOT	SQ. FT.	SQ. YD.	
EB OFF-RAMP	291.0	29	73		64.7	
EB ENTRANCE RAMP	802.0	80	201		178.2	
WB OFF-RAMP	311.0	31	78		69.1	
WB ENTRANCE RAMP	799.0	80	200		177.6	
IL 121 INTG						
EB OFF-RAMP	118.0	12	30		26.2	
EB ENTRANCE RAMP	825.0	83	206		183.3	
WB OFF-RAMP	289.0	29	72		64.2	
WB ENTRANCE RAMP	542.0	54	136		120.4	
FRIENDS CK RA						
EB OFF-RAMP	272.0	27	68		60.4	
EB ENTRANCE RAMP	827.0	83	207	37	183.8	
WB OFF-RAMP	265.0	27	66		58.9	
WB ENTRANCE RAMP	621.0	62	155	61	138.0	
IL 48 ( CISCO ) INTG						
EB OFF-RAMP	286.0	29	72		63.6	
EB ENTRANCE RAMP	727.0	73	182		161.6	
WB OFF-RAMP	315.0	32	79		70.0	
WB ENTRANCE RAMP	828.0	83	207		184.0	
TOTALS	8,118.0	TOTALS	812	2,030	98	1,804.0

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -
c:\pwwork\pwwork\teasleyck\d0382607\07	4662-sh1-sch.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 1/26/2015	DATE -	REVISED -

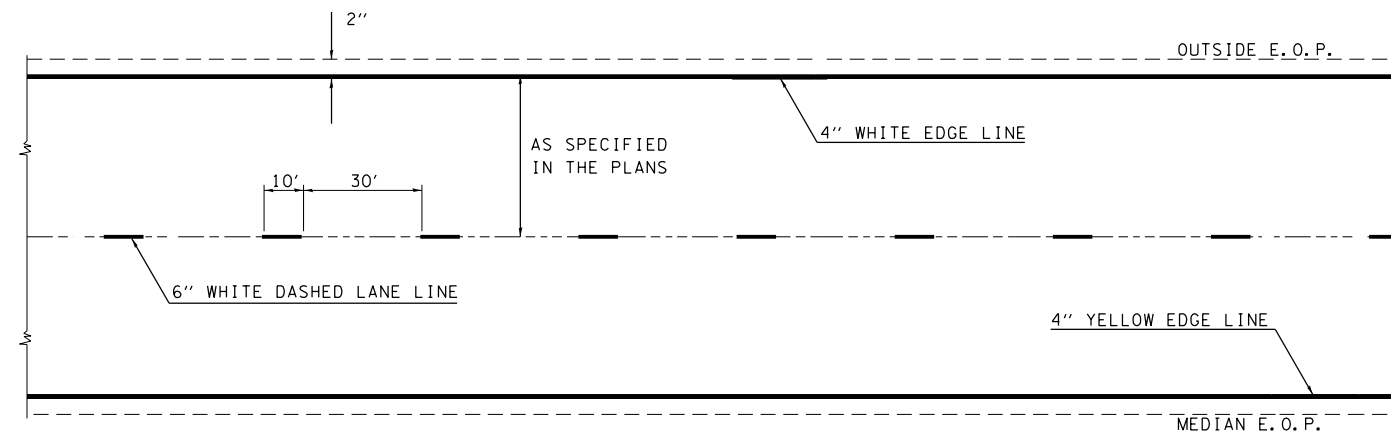
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULE OF QUANTITIES</b>			
SCALE: N/A	SHEET 3	OF 3 SHEETS	STA. TO STA.

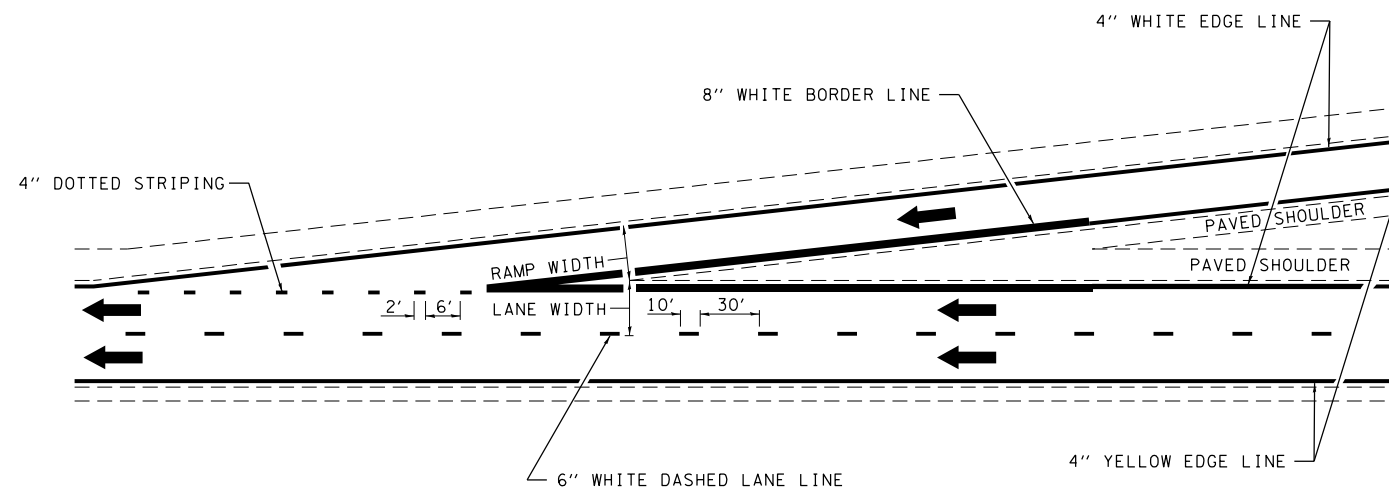
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	D7 PAVT PRSV 2014-2	MACON	8	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74662	



TYPICAL EXIT RAMP MARKING



TYPICAL CENTERLINE & EDGELINE MARKINGS



TYPICAL ENTRANCE RAMP MARKING

NOT TO SCALE

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED - DRM 08-04
ct:\pwork\pwork\teasleyck\d0382607\07	4662-sh1-details.dgn	DRAWN -	REVISED - MKS 04-08
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - DRM 01-09
	PLOT DATE = 1/26/2015	DATE -	REVISED - DRM 12-10

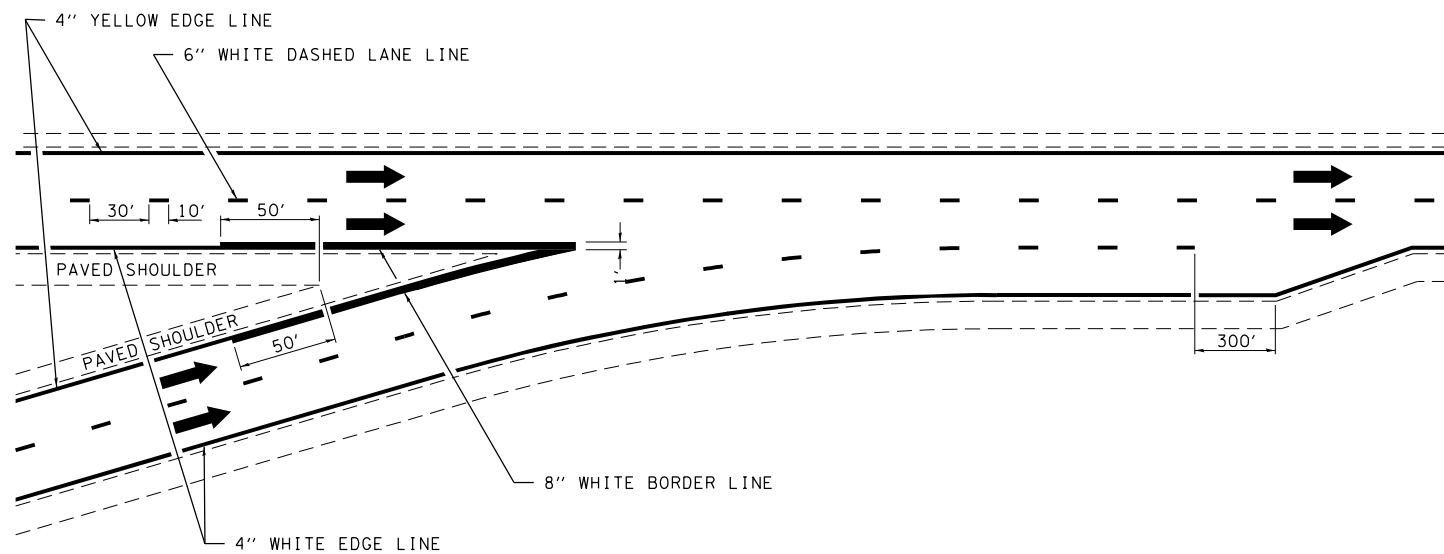
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS OF INTERSTATE PAVEMENT MARKING

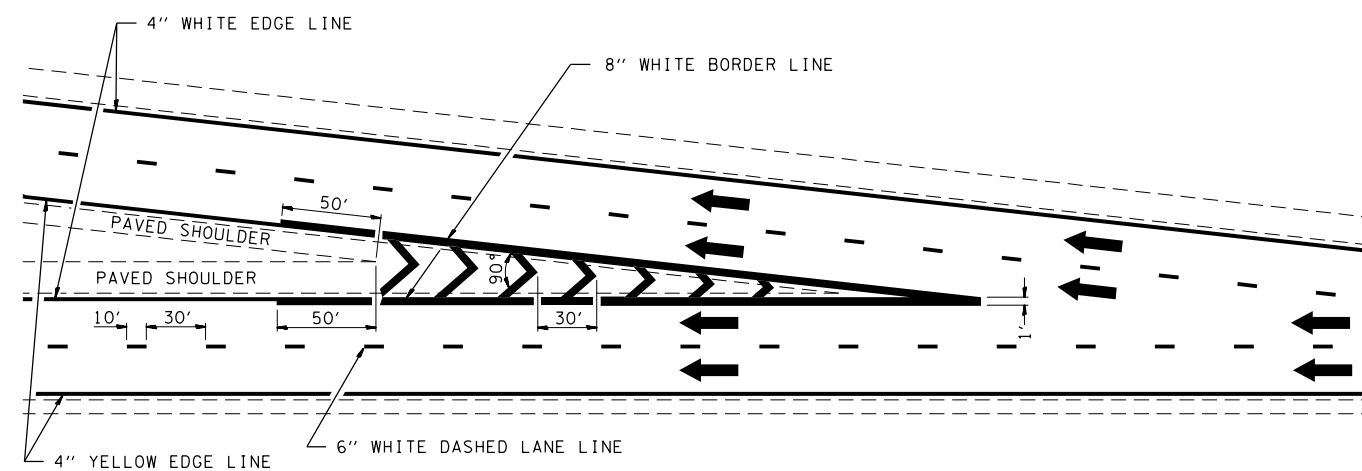
SCALE: N/A SHEET NO. 1 OF 2 SHEETS STA. TO STA.

DISTRICT 7 DETAIL NO. 7800002

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	DT PAVT PRSV 2014-2	MACON	8	7
CONTRACT NO. 74662				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

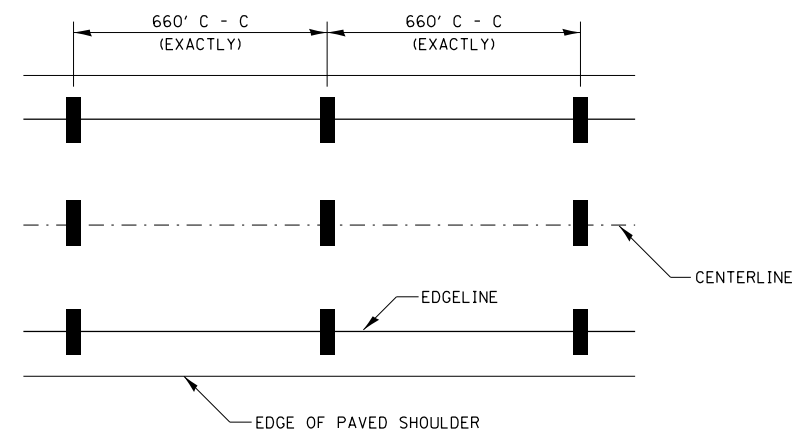


TYPICAL CONVERGENCE MARKING

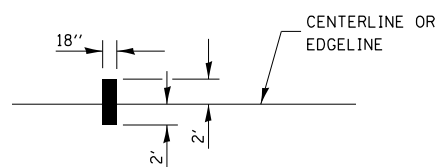


TYPICAL DIVERGENCE MARKING

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

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED - MMO 12-99
ct:\pw\work\p\idot\teasleyck\d0382607\07	4662-sh1-details.dgn	DRAWN -	REVISED - DRM 08-04
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - MKS 04-08
	PLOT DATE = 1/26/2015	DATE -	REVISED - DRM 01-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS OF INTERSTATE PAVEMENT MARKING

SCALE: N/A SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	DT PAVT PRSV 2014-2	MACON	8	8
CONTRACT NO. 74662				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				