

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1363	1263
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				

**BILL OF MATERIALS - GROUND MOUNTED SIGNS
B. PROPOSED**

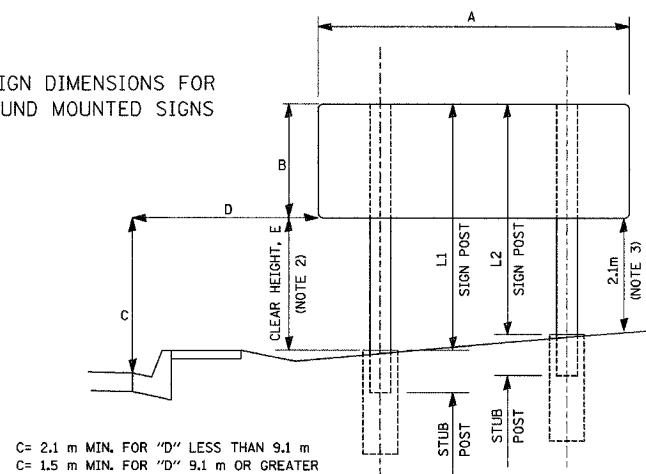
SIGN PANEL NO.	ROADWAY	STATION	DESCRIPTION	SIGN PANEL TYPE 3		NO. OF POSTS	POST SIZE	WOOD POST (m)	POST SPACING C-C (mm)	SIGN POST LENGTH (m)				STUB POST LENGTH EACH (m)	STRUCTURAL STEEL SUPPORT-BREAKAWAY (1) (KG)	FOUN-DATION CONCRETE (CU m)	FOUN-DATION REIN-FORCEMENT (2) (KG)	FUSE PLATE BOLT SIZE	PARAPET MOUNTING (EA)	SIGN DIMENSIONS (m)					REMARKS / WORK TIMING
				PANEL SIZE (mm x mm)	TOTAL AREA (SQ. m)					L1	L2	L3	L4							A	B	C*	D**	E	
1-23	I-74 WB	143+100	INDIANAPOLIS / CHILLICOTHE / 2 MILES	4650 x 4420	20.55	2	W360x57		2790	8.37	7.78			1.07	1042.5	3.12	132	M24x65		4.65	4.42	2.96	9.3	3.95	PRIOR TO OPENING RAMP B-5 TO TRAFFIC
1-32	I-74 WB	143+600	EXIT 88 (GORE)	1800 x 1524	2.74	2		10.6	1080	5.3	5.3										1.80	1.52	2.1	3.7	FOR STAGE 3-4.1
1-34	I-74 EB	143+835	EXIT 89 (GORE)	1800 x 1524	2.74	2		10.8	1080	5.4	5.4										1.80	1.52	2.1	4.8	FOR STAGE 3-4.1
1-35	I-74 WB	144+025	EXIT 89 (GORE)	1800 x 1524	2.74														1	1.80	1.52	2.1			FOR STAGE 3-4.1
2-01	I-74 WB	144+900	WAR MEMORIAL / STERLING / I-474 DESTINATIONS	5850 x 2134	12.48	2	W250x33		3510	4.96	6.36			0.91	433.6	1.82	98	M16x50		5.85	2.13	2.1	3.5	4.23	FOR STAGE 3-4.1
2-09	I-74 WB	145+475	WAR MEMORIAL DR / 3/4 MILE	6150 x 3658	22.50	4	W250x39		1538	7.12	7.43	7.73	8.04	0.91	1324.4	3.80	208	M24x70		6.15	3.66	1.5	10.7	4.38	FOR STAGE 3-4.1
2-12	I-74 WB	145+860	EXIT 90 (GORE)	1800 x 1524	2.74	2		10.6	1080	5.3	5.3										1.80	1.52	2.1	4.3	FOR STAGE 3-4.1
2-14	I-74 WB	146+100	GALE AVE (EXIT DIRECTION)	3000 x 2591	7.77	2	W150x22		1800	5.30	4.69			0.76	253.2	1.06	82	M20x50		3.00	2.59	3.92	10.7	2.71	FOR STAGE 3-4.1
1-50	WAR MEMORIAL DR.	38+987 RT	TO I-74 / EAST / WEST	1950 x 1829	3.57	2		11.7	1170	5.9	5.8										1.95	1.83	2.1	4.0	FOR STAGE 3-4.1
1-27	WAR MEMORIAL DR.	40+130 LT	GALESBURG (EXIT DIRECTION)	2700 x 1372	3.70	2	W150x14		1620	4.05	3.47			0.69	124.6	1.06	82	M12x40		2.70	1.37	3.00	8.5	2.68	POST STAGE 3-4.2
1-29	WAR MEMORIAL DR.	40+290 LT	GALESBURG AHEAD / BLOOMINGTON LEFT	3000 x 2743	8.23	2	W150x22		1800	5.43	5.45			0.76	272.8	1.06	82	M20x50		3.00	2.74	2.1	4.5	2.71	FOR STAGE 3-4.1
TOTAL					89.78			43.7							3451.1	11.92	684		1						

NOTE:

1. ALL OF THESE PROPOSED GROUND-MOUNTED INFORMATION SIGNS SHALL BE INSTALLED PRIOR TO RE-OPENING I-74 TO TRAFFIC.

- (1) WEIGHT OF STEEL SUPPORTS INCLUDES THE SIGN SUPPORTS AND THE STUB POSTS. ALL MISCELLANEOUS HARDWARE FOR THE POSTS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR STRUCTURAL STEEL SIGN SUPPORT-BREAKAWAY.
(2) FOUNDATION REINFORCEMENT REQUIREMENTS INCLUDE REINFORCEMENT BARS AND SPIRAL HOOPING.

DESIGN DIMENSIONS FOR GROUND MOUNTED SIGNS



C= 2.1 m MIN. FOR "D" LESS THAN 9.1 m
C= 1.5 m MIN. FOR "D" 9.1 m OR GREATER

- L1 IS ALWAYS NEAREST TO THE EDGE OF PAVEMENT.
- CLEAR HEIGHT IS THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE FOUNDATION (OR GRADE ELEVATION AT THE CENTERLINE OF POST) AND THE BOTTOM EDGE OF SIGN FOR THE LONGEST POST.
- 2.1 m MIN. BETWEEN TOP OF STUB POST AND FUSE PLATE. MAY BE REDUCED TO 1.5 m WHEN D>9.1 m OR GREATER AND THE SLOPE IS 1:2 OR STEEPER, OR WHERE IT WOULD BE UNLIKELY FOR AN OUT OF CONTROL VEHICLE TO REACH THE POST.
- ALL POST SIZES AND SUPPORT LENGTHS SHOWN ON PLANS SHALL BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION.
- THE ABOVE CRITERIA ARE FOR THE EXPRESSWAYS OR FULLY ACCESS CONTROLLED FREEWAYS.

- (A) FOR SIGNS LESS THAN 9.1 m FROM EDGE OF PAVEMENT, THE BOTTOM EDGE OF SIGN SHALL BE SET LEVEL AT AN ELEVATION OF AT LEAST 2.1 m ABOVE GRADE ELEVATION AT EDGE OF PAVEMENT. SUPPLEMENTAL PANELS MAY BE SET AT 1.8 m.
- (B) FOR SIGNS 9.1 m AND GREATER FROM EDGE OF PAVEMENT, THE BOTTOM EDGE OF SIGN SHALL BE SET LEVEL AT AN ELEVATION OF AT LEAST 1.5 m ABOVE GRADE ELEVATION AT EDGE OF PAVEMENT.
- (C) FOR SIGNS ON RISING EMBANKMENT SLOPES, THE BOTTOM EDGE OF SIGN SHALL BE SET TO PROVIDE AT LEAST 2.1 m BETWEEN IT AND THE TOP OF THE STUB POST FOR THE SHORTEST POST. THIS MAY BE REDUCED TO 1.5 m WHEN EITHER THE DISTANCE FROM THE EDGE OF PAVEMENT IS GREATER THAN 9.1 m AND THE SLOPE IS GREATER THAN 1:2, OR WHERE OTHER FACTORS WOULD PREVENT AN OUT OF CONTROL VEHICLE FROM REACHING THE POST.

**D ALL SIGNS WILL BE PLACED 10.5 m OR MORE OFF OF MAINLINE WHEREVER POSSIBLE, EXCEPT WHEN PLACED BEHIND GUARD-RAIL. SIGNS ON RAMPS WILL BE PLACED 5.5 m OR MORE FROM THE EDGE OF PAVEMENT. (SEE NOTE 5 ABOVE)

IN GENERAL, THE LOCATION OF SHOULDER MOUNTED SIGNS MAY VARY IN ORDER TO TAKE ADVANTAGE OF FLATTER CROSS SECTIONS WHICH CAN RESULT IN CONSIDERABLE COST SAVINGS.

SIGNING SHEET 15 OF 83

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center">SIGNING PLAN BILL OF MATERIALS- GROUND MOUNTED SIGNS (PROPOSED)</p> <p>SCALE 1:500 DRAWN BY MEG DATE 11/13/2004 CHECKED BY BCG</p>

