MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY

DESIGN DESIGNATION

	HWY 40	CHESTERFIELD COMMONS
A.D.T. - 1995 =	XXXX	XXXX
A.D.T. - 2015 =	XXXX	XXXX
D.H.V. = X		
T = X		
V = 60 MPH		

FULLY LIMITED ACCESS HIGHWAY

THIS SHALL BE A FULLY LIMITED ACCESS HIGHWAY. BETWEEN HWY 40 STA. 205+00 AND STA. 260+00 AND CHESTERFIELD COMMONS STA. 0+00 AND 20+00 NO ABUTTING OWNER SHALL HAVE THE RIGHT OF DIRECT ACCESS TO SAID HIGHWAY OR ITS RIGHT-OF-WAY EXCEPT THAT ACCESS WILL BE PERMITTED TO ANY ADJACENT OUTER ROADWAY OR SERVICE ROAD TO WHICH ACCESS IS NOT SPECIFICALLY PROHIBITED BY THE SPECIAL SYMBOL DENOTING "NO RIGHT OF ACCESS" AS SHOWN ON THE PLANS. NO ACCESS WILL BE PERMITTED FROM OUTER ROADWAYS AND SERVICE ROADS TO THROUGHWAYS EXCEPT ALONG ROUTES CONSTRUCTED FOR THAT PURPOSE. OUTER ROADWAYS AND SERVICE ROADS, AS THE CASE MAY BE, ARE SO DESIGNATED ON THE PLANS.

- BEGINNING AND ENDING OF LIMITED ACCESS
- LIMITED ACCESS
- NO RIGHT OF ACCESS OR CROSSING OF LINES BEARING THIS SYMBOL WILL BE PERMITTED UNDER ANY CIRCUMSTANCES

CONVENTIONAL SIGNS

(USED IN PLANS)

- BUILDINGS AND STRUCTURES
- GUARD RAIL
- CONCRETE RIGHT-OF-WAY MARKER
- STEEL RIGHT-OF-WAY MARKER
- FENCE
  - CHAIN LINK
  - WOVEN WIRE
  - GATE
- UTILITIES
  - TELEPHONE
  - POWER
  - GAS (G)
  - WATER (W)

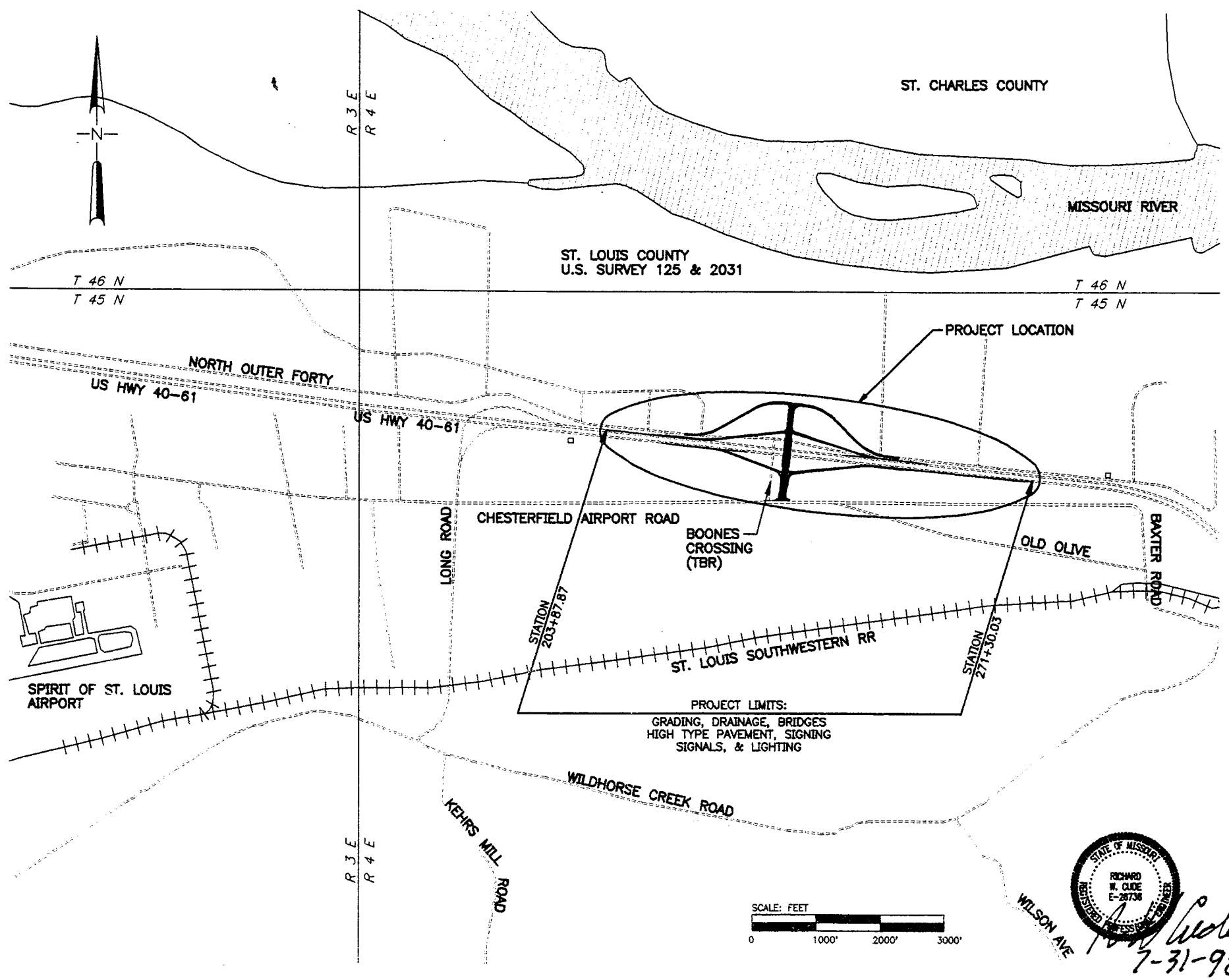
(SEE PLANS FOR ADDITIONAL SYMBOLS)

KdG

Kuhlmann Design Group, Inc.

66 Progress Parkway
Maryland Heights, Missouri
63043-3706
Tel: (314) 434-8898

NOTE: DASHED OR OPEN SYMBOL INDICATES EXISTING FEATURE



TITLE SHEET LEGEND
IDENTIFICATION SIGNS (REQUIRED) □

SUBJECT TO FINAL REVIEW AND APPROVAL

STATE OF MISSOURI
RICHARD W. CUDE
E-26736
REGISTERED PROFESSIONAL ENGINEER

7-31-98

7-29-98

COUNTY	ST. LOUIS
ROUTE	I-64 / U.S. HWY 40
PROJECT	
JOB NO.	J6U1047D

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE, INDEX, GENERAL	1
TYPICAL SECTIONS (3 SHEETS)	2
SUMMARY (2 SHEETS)	2A
SUMMARY (11 SHEETS)	2B
PLAN SHEETS (9 SHEETS)	3-11
PROFILES (5 SHEETS)	11-16
REFERENCE POINTS (1 SHEET)	17
GEOMETRIC DATA (1 SHEET)	18
SPECIAL SHEETS (10 SHEETS)	19-28
TRAFFIC CONTROL (19 SHEETS)	29-47
WARPING DETAILS (8 SHEETS)	48-55
EROSION CONTROL (9 SHEETS)	56-64
LIGHTING (6 SHEETS)	65-70
SIGNALS (2 SHEETS)	71-72
SIGNING (16 SHEETS)	73-88
CULVERT SECTIONS (4 SHEETS)	89-92
BRIDGE DRAWINGS (79 SHEETS)	93-171
STANDARD PLANS INDEX	172
CROSS SECTIONS (58 SHEETS)	173-230
COMPUTER DATA	0

LENGTH OF PROJECT

	CHESTERFIELD COMMONS STA	HWY 40 STA	
BEGINNING OF PROJECT	2+04.67	203+87.87	
END OF PROJECT	17+73.58	271+30.03	
APPARENT LENGTH	1568.91	6742.16	FEET
EQUATIONS AND EXCEPTIONS NONE	NONE	NONE	
TOTAL CORRECTIONS	0	0	FEET
NET LENGTH OF PROJECT	1568.91	6742.16	FEET
STATE LENGTH	0.30	1.28	MILES
FEDERAL LENGTH	0.30	1.28	MILES

MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

SUBMITTED

CHIEF ENGINEER — DATE

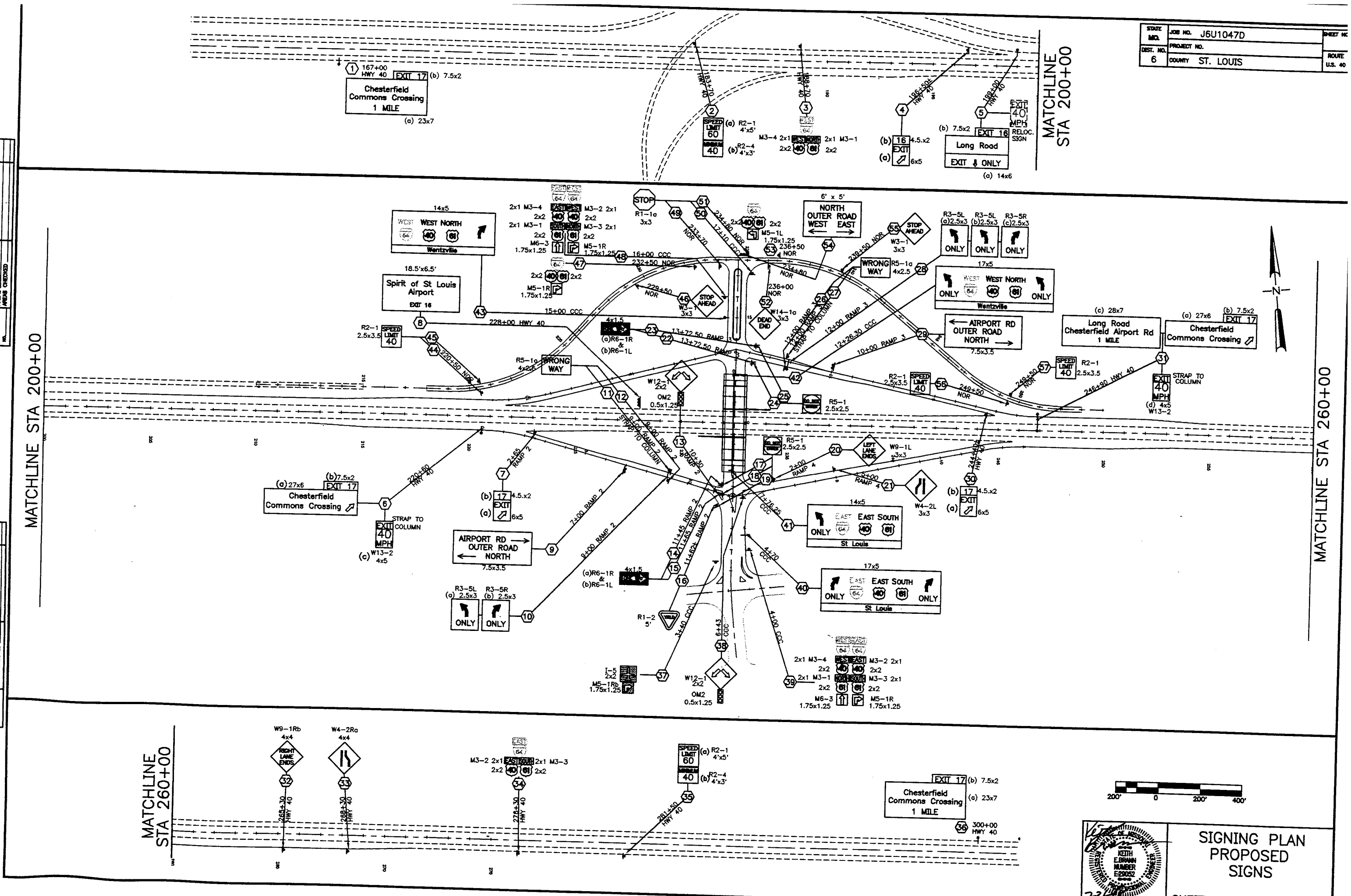
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED

DIVISION ADMINISTRATOR — DATE

J:\0001\T1C0W10.DWG - DATE SAVED: 07/30/98 07:15:38

STATE MO.	JOB NO. J6U1047D	SHEET NO.
DIST. NO. 6	PROJECT NO.	ROUTE U.S. 40
	COUNTY ST. LOUIS	



KEITH E. BRANN NUMBER E-29052 STATE OF MISSOURI PROFESSIONAL ENGINEER

7-31-96

SIGNING PLAN PROPOSED SIGNS

SHEET 1 OF 16

ORIGINAL SURVEY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | NOTE BOOK | NO. | BY | DATE

FILENAME: J:\970211\0001\T15SH100.DWG - DATE SAVED: 07/16/96 15:10:19

7-31-96

MISSOURI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

STATE	JOB NO.	SHEET NO.
MO.	J6U1047D	
DIST. NO.	PROJECT NO.	ROUTE
6	COUNTY ST. LOUIS	U.S. 40

STANDARD SIGN ASSEMBLIES

SIGN NO.	STATION	LOCATION	M3-1 SHR1L-1	M3-2 SHR1L-1	M3-3 SHR1L-1	M3-4 SHR1L-1	SHR1L-1	SHR1L-1	M5-1R SHR1L-1	M5-1L SHR1L-1	M6-3 SHR1L-1	W12-1 SHR1L-1	OM2 SHR1L-1	I-5 SHR1L-1	M5-1Rb SHR1L-1
			TYPE												
			SIGN DESCRIPTION, SIZES, & NUMBER OF EACH												
			NORTH 24"x12"	EAST 24"x12"	SOUTH 24"x12"	WEST 24"x12"	40 24"x24"	61 24"x24"	21"x15"	21"x15"	21"x15"	24"x24"	6"x15"	24"x24"	21"x15"
3	188+70	HIGHWAY 40	1			2	1	1							
34	276+30	HIGHWAY 40		1	1		1	1							
39	4+00	CHESTERFIELD COMMONS	1	1	1	2	2	2	1		1				
48	16+00	CHESTERFIELD COMMONS	1	1	1	2	2	2	1		1				
47	232+50	NORTH OUTER ROAD					1	1	1						
53	236+50	NORTH OUTER ROAD					1	1		1					
13	10+33	RAMP 2										1	1		
38	6+50	CHESTERFIELD COMMONS										1	1		
37	3+40	CHESTERFIELD COMMONS												1	1
		SUBTOTAL	3	3	3	3	8	8	3	1	2	2	2	1	1
		AREA PER SIGN	2	2	2	2	4	4	2.2	2.2	2.2	2	2	4	2.2
	SHR IL-1	SUBTOTAL AREA (S.F.)	6	6	6	12	6	32	6.6	2.2	4.4	4	4	4	2.2
	SHR IL-2	SUBTOTAL AREA (S.F.)													
								SUBTOTAL AREA (S.F.)			115.4				

SIGN SUMMARY

SIGN NUMBER(S)	SIGN STANDARD	DETAIL SHEET	NO. EACH	SIZE	903-50.10 STR1L-3 SQ FT	903-50.11 STR2L-3 SQ FT	903-50.04 SHR2L-1 SQ FT	903-50.05 SHR1L-3 SQ FT	903-50.07 SHR1L-1 SQ FT
				SIZE, TYPE & SQUARE FEET					
1a 36a	SPECIAL	7	2	23' x 7'		322			
1b 6b 31b 36b	EXIT NUMBER	STD	2	7.5' x 2'		60			
2a 35a	R2-1	STD	2	4' x 5'					40
2b 35b	R2-4	STD	2	4' x 3'					24
3	ASSEMBLY								
4a 7a 30a	GORE EXIT	STD	3	6' x 5'				90	
4b	EXIT NUMBER	STD	1	4.5' x 2'				9	
5a	SPECIAL	7	1	14' x 6'		84			
5b	EXIT NUMBER	STD	1	7.5' x 2'		15			
6a 31a	SPECIAL	7	2	27' x 6'		324			
6c 31d	W13-2	STD	2	4' x 5'					40
7b 30b	EXIT NUMBER	STD	2	4.5' x 2'				18	
8	SPECIAL	7	1	18.5' x 6.5'	120.25				
9	CROSS ROAD	STD	1	7.5' x 3.5'				26.25	
10a 28a 28b	R3-5L	STD	3	2.5' x 3'			22.5		
10b 28c	R3-5R	STD	2	2.5' x 3'			15.0		
11 12 26 27	R5-1a	STD	4	4' x 2.5'			40		
13	ASSEMBLY								
14a 15a 22a 23a	R6-1L	STD	4	4' x 1.5'					24
14b 15b 22b 23b	R6-1R	STD	4	4' x 1.5'					24
16	R1-2	STD	1	5'			14		
17 18 19 24 25	R5-1	STD	5	2.5' x 2.5'			31.25		
20	W9-1L	STD	1	3' x 3'					9
21	W4-2L	STD	1	3' x 3'					9
29	CROSS ROAD	STD	1	7.5' x 3.5'				26.25	
31c	SPECIAL	7	1	28' x 7'		196			
32	W9-1Rb	STD	2	4' x 4'					16
33	W4-2Ra	STD	1	4' x 4'					16
34	ASSEMBLY								
37	ASSEMBLY								
38	ASSEMBLY								
39	ASSEMBLY								
40	SPECIAL	8	1	17' x 5'		85			
41	SPECIAL	8	1	14' x 5'		70			
42	SPECIAL	8	1	17' x 5'		85			
43	SPECIAL	8	1	14' x 5'		70			
44 45 56 57	R2-1	STD	4	2.5' x 3.5'					35
46 55	W3-1	STD	2	3' x 3'					18
47	ASSEMBLY								
48	ASSEMBLY								
49 50 51	R1-1a	STD	3	3' x 3'			27		
52	W14-1a	STD	1	3' x 3'					9
53	ASSEMBLY								
54	OUTER ROAD	STD	1	6' x 5'				30	
				SUBTOTALS	0	120.25	1311.0	149.75	199.5	264.0
				SUBTOTAL (STANDARD SIGN ASSEMBLIES)						115.4
				TOTAL	0	120.25	1311.0	149.75	199.5	379.4

STATE OF MISSOURI
KEITH E. BRANN
NUMBER E-29052
REGISTERED PROFESSIONAL ENGINEER
SEAL

SHEET 3 OF 16

7-16-98

FILENAME: J:\970211\0001\T150N200.DWG - DATE SAVED: 07/16/98 15:14:32

MISSOURI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

STATE MO.	JOB NO. J6U1047D	SHEET NO.
DIST. NO. 6	PROJECT NO.	ROUTE U.S. 40
	COUNTY ST. LOUIS	

SIGNS					PIPE POST * TOTAL INCLUDES STUB LENGTH WHEN APPLICABLE						STRUCTURAL STEEL POSTS * TOTAL INCLUDES STUB LENGTH WHEN APPLICABLE							ASSEMBLY CROSS-BARS 2" x 3/8" BARS @ 2.55 LBS PER LIN FT				903-12.10 TOTAL STRUCT STEEL POST LBS	903-12.20 TOTAL PIPE POST LBS	903-10.10 CONC FTGS EMBD CU YDS	903-10.20 CONC FTGS BOLT DOWN CU YDS	903-12.40 BREAKAWAY ASSEMBLY STANDARD EACH	903-12.40 BREAKAWAY ASSEMBLY MULTI DIR EACH	HORZ CLEAR IF NOT STD
SIGN NO.	STATION	LOCATION	SIGN DT'L SHT NO.	SIGN SIZE	PIPE SIZE IN.	POST NO. 1 LIN FT	POST NO. 2 LIN FT	TOTAL* LIN FT	LBS PER FT	TOTAL LBS	POST DES NO.	POST NO. 1 LIN FT	POST NO. 2 LIN FT	POST NO. 3 LIN FT	TOTAL* LIN FT	LBS PER FT	TOTAL LBS	NO. EACH	LENGTH IN.	TOTAL LIN FT	TOTAL LBS									
1	942+00	HWY 40		BRIDGE CANTILEVER																										
2	183+70	HWY 40	STD	4x5 4x3							2	18.5	19.0		37.5	15	562.5					562.5		1.04		2			
3	188+70	HWY 40	STD	ASSEMBLY							1	17.0			17.0	9	153.0	4	50	16.67	42.5	195.5		0.16		1			
4	196+50	HWY 40	STD	6x5 4.5x2							1	15.75	15.75		31.50	9	283.5					283.5		0.30		2			2'
5	199+00	HWY 40		BRIDGE CANTILEVER	STRAP EXISTING 4x5 SIGN TO COLUMN																									
6	220+60	HWY 40		BRIDGE CANTILEVER	STRAP 4x5 SIGN 6c TO COLUMN																									
7	2+65	RAMP 2	STD	6x5 4.5x2																										
8	228+00	HWY 40	7	18.5x6.5							1	16.00	16.00		32.00	9	288.0					288.0		0.30		2			2'
9	7+00	RAMP 2	STD	7.5x3.5							2	16.50	17.50		34.00	15	510.0					510.0		1.04		2			
10	9+00	RAMP 2	STD	2.5x3 2.5x3	SIGNAL POST, TYPE C 30 FT ARM, ITEM NO 902						1	13.75	14.75		28.5	9	256.5					256.5		0.32		2			
11	9+00	RAMP 2	STD	4x2.5	STRAP TO COLUMN OF SIGN 10						232.30, TYPE A CONCRETE BASE																			
12	9+00	RAMP 2	STD	4x2.5	2.5	14.00		14.00	5.79	81.1																				
13	10+30	RAMP 2	STD	ASSEMBLY	2.5	11.25		11.25	5.79	65.1													81.1	0.12		1				
14	11+65	RAMP 2	STD	4x1.5 4x1.5	MOUNTED ON POST FROM SIGN 17																		65.1	0.12						
15	11+45	RAMP 2	STD	4x1.5 4x1.5	MOUNTED ON POST FROM SIGN 18													4	42	14.0	35.7	35.7					1		3.5'
16	11+45	RAMP 2	STD	5' YIELD	2.5	16.00		16.00	5.79	92.6								4	42	14.0	35.7	35.7					1		
17	11+65	RAMP 2	STD	2.5x2.5	4	14.75		14.75	10.79	159.2								1	48	4	10.2	10.2	92.6	0.12			1		
18	11+45	RAMP 2	STD	2.5x2.5	4	17.25		17.25	10.79	186.1													159.2	0.39			1		
19	11+45	RAMP 2	STD	2.5x2.5	MOUNTED ON POST FROM SIGN 16																		186.1	0.39			1		
20	2+00	RAMP 4	STD	4x4	4	19.25		19.25	10.79	207.7																				
21	5+00	RAMP 4	STD	4x4	4	19.25		19.25	10.79	207.7								1	60	5	12.75	12.75	207.7	0.39		1			
22	13+72.50	RAMP 3	STD	4x1.5 4x1.5	MOUNTED ON POST FROM SIGN 24													1	60	5	12.75	12.75	207.7	0.39		1			
23	13+72.50	RAMP 3	STD	4x1.5 4x1.5	MOUNTED ON POST FROM SIGN 25													4	42	14.0	35.7	35.7					1		
24	13+72.50	RAMP 3	STD	2.5x2.5	4	17.25		17.25	10.79	186.1								4	42	14.0	35.7	35.7					1		
25	13+72.50	RAMP 3	STD	2.5x2.5	4	17.25		17.25	10.79	186.1													186.1	0.39			1		
26	12+00	RAMP 3	STD	4x2.5	STRAP TO COLUMN OF SIGN 28																		186.1	0.39			1		
27	12+00	RAMP 3	STD	4x2.5	2.5	14.00		14.00	5.79	81.1																				
28	12+00	RAMP 3	STD	2.5x3 2.5x3	SIGNAL POST, TYPE C 42 FT ARM, ITEM NO 902						232.42, TYPE A CONCRETE BASE												81.1	0.12		1				
29	10+00	RAMP 3	STD	7.5x3.5							1	13.75	14.75		28.5	9	256.5					256.5		0.32		2			
30	2+75	RAMP 3	STD	6x5 4.5x2							1	16.00	16.25		32.25	9	290.3					290.3		0.30		2			2'
31	220+60	HWY 40		TUBULAR TRUSS	STRAP 4x5 SIGN 31d TO COLUMN 2																									
32	285+30	HWY 40	STD	4x4	4	19.25		19.25	10.79	207.7								1	60	5	12.75	12.75	207.7	0.39		1			
33	288+30	HWY 40	STD	4x4	4	19.25		19.25	10.79	207.7								1	60	5	12.75	12.75	207.7	0.39		1			
34	276+30	HWY 40	STD	ASSEMBLY							1	17.0			17.0	9	153.0	4	50	16.67	42.5	195.5		0.16		1			
35	281+50	HWY 40	STD	4x5 4x3							2	18.5	19.0		37.5	15	562.5					562.5		1.04		2			
36	300+00	HWY 40		BRIDGE CANTILEVER																										
37	3+40	CHEST COMM	STD	ASSEMBLY	2.5	14.75		14.75	5.79	85.4													85.4	0.12			1		
38	6+43	CHEST COMM	STD	ASSEMBLY	2.5	11.25		11.25	5.79	65.1													65.1	0.12			1		3.5'
39	4+00	CHEST COMM	STD	ASSEMBLY							2	22.25			22.25	15	333.75	10	50	41.67	106.25	440.0		0.52		1			
40	4+70	CHEST COMM		TUBULAR CANTILEVER																										
41	7+76.25	CHEST COMM		TUBULAR CANTILEVER																										
42	12+26.30	CHEST COMM		TUBULAR CANTILEVER																										
43	15+00	CHEST COMM		TUBULAR CANTILEVER																										
44	220+50	NOR	STD	2.5x3.5	2.5	14.75		14.75	5.79	85.4													85.4	0.12			1		
45	220+50	NOR	STD	2.5x3.5	2.5	15.00		15.00	5.79	86.9													86.9	0.12			1		
46	229+50	NOR	STD	3x3	2.5	16.00		16.00	5.79	92.6													92.6	0.12			1		
47	232+50	NOR	STD	ASSEMBLY							1	15.75			15.75	9	141.8	2	50	8.33	21.25	163.1		0.16			1		
48	16+00	CHEST COMM	STD	ASSEMBLY							2	22.00			22.00	15	330.00	10	50	41.67	106.25	436.3		0.52		1			
49	233+70	NOR	STD	3x3	2.5	14.50		14.50	5.79	84.0													84.0	0.12			1		
50	17+10	CHEST COMM	STD	3x3	2.5	14.50		14.50	5.79	84.0													84.0	0.12			1		
51	235+00	NOR	STD	3x3	2.5	14.50		14.50	5.79	84.0													84.0	0.12			1		
52	236+00	NOR	STD	3x3	2.5	16.00		16.00	5.79	92.6													92.6	0.12			1		
53	236+50	NOR	STD	ASSEMBLY							1	15.00			15.00	9	135.0	2	50	8.33	21.25	156.3		0.16			1		
54	234+80	NOR	STD	6x5							1	14.75	14.75		29.50	9	265.5					265.5		0.32			2		
55	239+50	NOR	STD	3x3	2.5	16.00		16.00	5.79	92.6													92.6	0.12			1		
56	249+50	NOR	STD	2.5x3.5	2.5	14.75		14.75	5.79	85.4													85.4	0.12			1		
57	249+50	NOR	STD	2.5x3.5	2.5	15.00		15.00	5.79	86.9													86.9	0.12			1		
																					TOTALS	5066.0	2893.1	11.70			52		

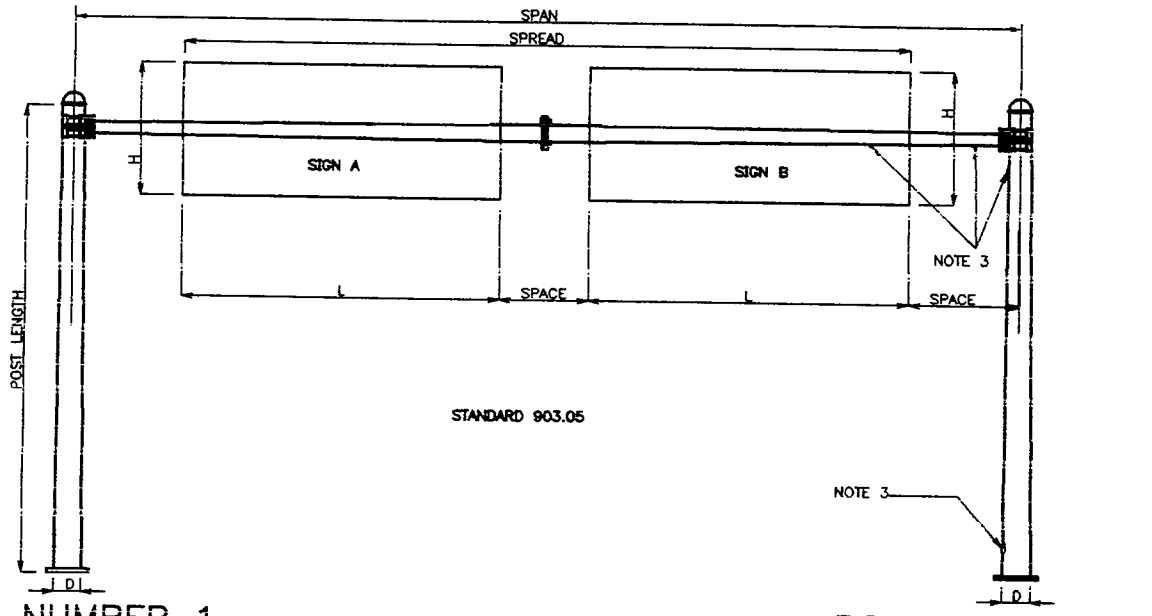
STATE OF MISSOURI RICHARD W. CUDE E-26736 REGISTERED PROFESSIONAL ENGINEER SEAL

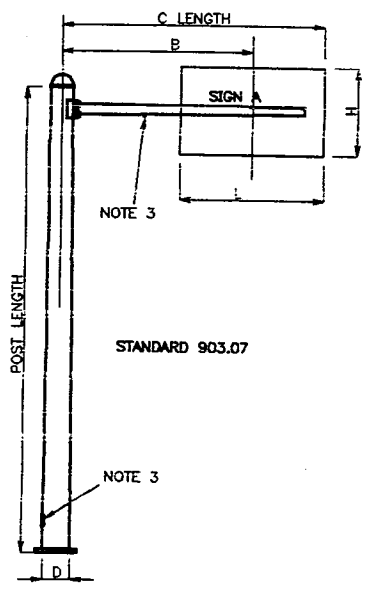
SHEET 4 OF 16

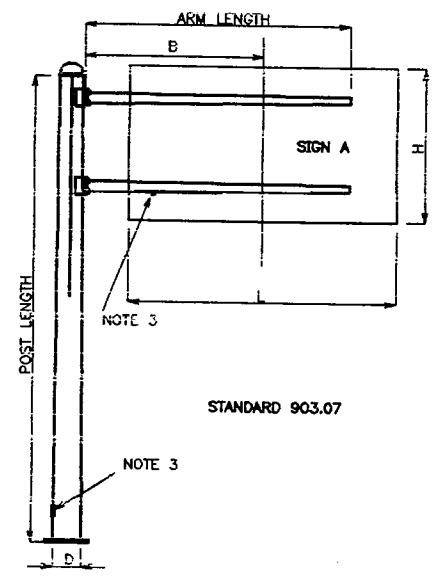
7-29-98

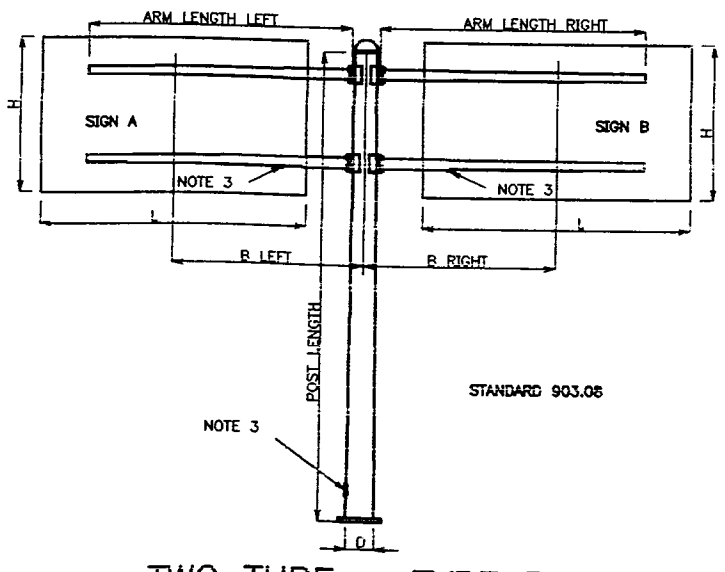
FILENAME: J:\970211\0001\T150N200.DWG - DATE SAVED: 07/16/98 15:14:32

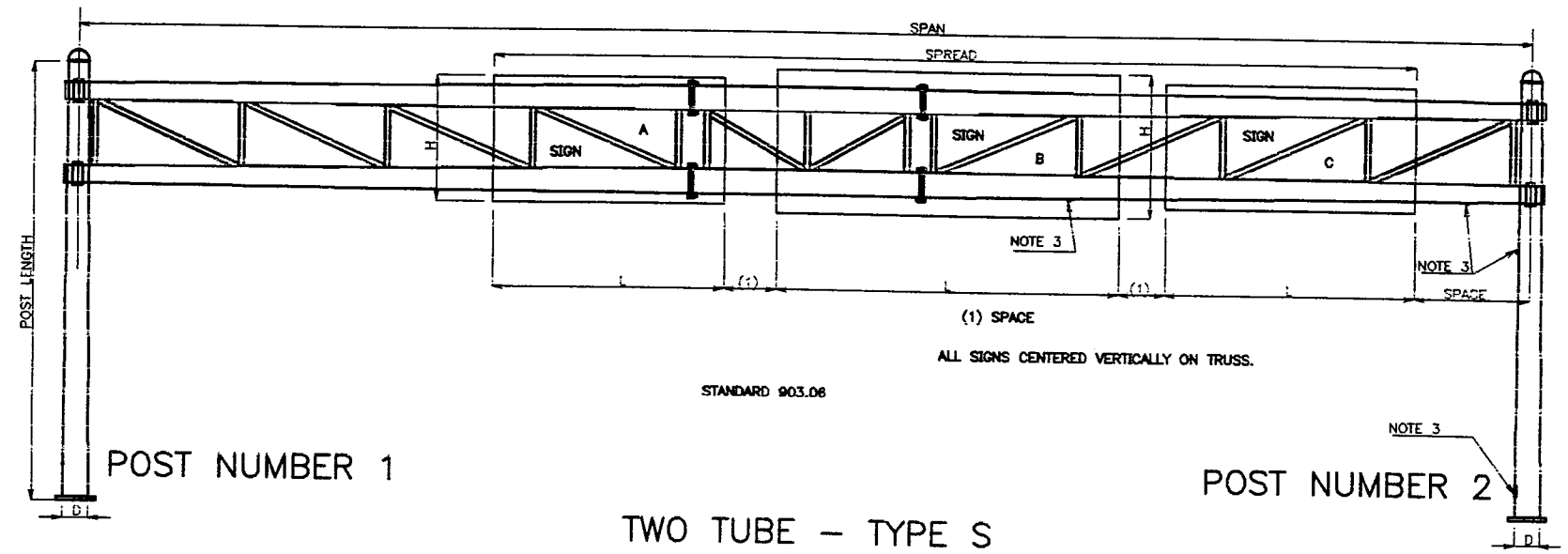
STATE MO.	JOB NO. J6U1047D	SHEET NO.
DIST. NO. 6	PROJECT NO.	ROUTE U.S. 40
	COUNTY ST. LOUIS	











TUBULAR STEEL SUPPORT NUMBERING SYSTEM

THE FIRST SYMBOL (LETTER) INDICATES TYPE AS, C FOR CANTILEVER, B FOR BUTTERFLY, S FOR SPAN TYPE.

THE SECOND SYMBOL (NUMBER) INDICATES SINGLE (1) OR DOUBLE (2) MAST ARMS OR TRUSS.

THE THIRD SYMBOL (NUMBER) INDICATES GAGE – POST
7 = 7 GAUGE (4.5720 mm) 77 = 7 + 7 GAUGE (9.1440 mm)
3 = 3 GAUGE (6.5768 mm) 33 = 3 + 3 GAUGE (13.1536 mm)
0 = 0 GAUGE (8.6360 mm) 00 = 0 + 0 GAUGE (17.2720 mm)

THE FOURTH SYMBOL (NUMBER) INDICATES DIAMETER IN INCHES OF THE POST BASE.

THE FIFTH SYMBOL (NUMBER) INDICATES LENGTH IN FEET OF ARM OR SPAN.

EXAMPLE: DESIGN NUMBER B–20018–24 INDICATES BUTTERFLY TYPE, TWO ARMS, 2–PLY, 0–GAUGE, 18" (460 mm) DIAMETER AT BASE OF POST, & 24' (7.3 m) MAST ARMS.

NOTES

1. ALL POSTS, BEAMS, MAST ARMS, ANGLES, BRACKETS & ETC. SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
2. SHOP DRAWINGS ARE NOT REQUIRED.
3. HANDHOLES AND 1.25" BLIND HALF COUPLINGS REQUIRED ON DESIGNATED POSTS. HANDHOLES SHALL BE PLACED ON RIGHT HAND SHOULDER SIDE OF TRUSSES.
4. STRUCTURES DESIGNED FOR MAXIMUM SIGN AREA COMENSURATE WITH MAXIMUM H (HEIGHT OF SIGN) SHOWN ON STANDARDS AND REQUIRED VERTICAL CLEARANCE.
5. DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS – 1985.

TUBULAR STEEL SUPPORT DESIGN DATA — STANDARDS 903.05 THRU 903.08

SIGN NUMBER	STATION	LOCATION	STANDARD NUMBER	TYPE	SPAN C OR ARM	B LENGTH	POST LENGTHS NO. 1	POST LENGTHS NO. 2	CONCRETE FOOTINGS	SIGN DATA: SPREAD	SIGN A L	SIGN A H	SPACE	SIGN B L	SIGN B H	SPACE	SIGN C L	SIGN C H	SPACE	SIGN D L	SIGN D H	SPACE	SIGN E L	SIGN E H	SPACE	TOTAL
					ft	ft	ft	ft	yd³	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft²
31	246+90	HIGHWAY 40–61	903.06	S–23317	83'	–	22'	26'	18.8	57.5'	28'	7'	2.5'	27'	6'	9.5'	–	–	–	–	–	–	–	–	–	358
40	4+70	CHESTERFIELD COMMONS	903.07	C–2018–34	34'	29'	25'	–	5.5	–	17'	5'	–	–	–	–	–	–	–	–	–	–	–	–	–	85
41	7+76.25	CHESTERFIELD COMMONS	903.07	C–2315–16	16'	9'7½"	22'	–	8.4	–	14'	5'	–	–	–	–	–	–	–	–	–	–	–	–	–	70
42	12+26.30	CHESTERFIELD COMMONS	903.07	C–2315–24	24'	15'7½"	23'	–	7.9	–	17'	5'	–	–	–	–	–	–	–	–	–	–	–	–	–	85
43	15+00	CHESTERFIELD COMMONS	903.07	C–2318–26	26'	19'	24'	–	5.4	–	14'	5'	–	–	–	–	–	–	–	–	–	–	–	–	–	70
								TOTAL	46.0																	

STATE OF MISSOURI
KEITH E. BRAHM
NUMBER E29052
REGISTERED PROFESSIONAL ENGINEER

SHEET 6 OF 16

7-30-96

ORIGINAL SURVEY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | NOTE BOOK | NO. | BY | DATE

FILENAME: J:\970211\0001\T1SGN300.DWG – DATE SAVED: 07/16/98 15:17:19

STATE MO.	JOB NO. J6U1047D	SHEET NO.
DIST. NO. 6	PROJECT NO.	ROUTE U.S. 40
	COUNTY ST. LOUIS	

SIGN NO. 6a 31a
STATIONS: 220+60, 246+90
QUANTITY REQ'D: 2
OVERALL SIZE: WIDTH 27 FT, HEIGHT 6 FT
BORDER: WIDTH 2 IN, RADII 12 IN

BACKGROUND TYPE	R2
COLOR LEGEND	GREEN
COPY TYPE	L-3
COLOR	WHITE
BORDER TYPE	L-3
ROUTE	
MARKER TYPE	
PANEL TYPE	
POST SIZE	STR2L-3

WIDTH-HORIZONTAL SPACING - INCHES & TENTHS. END DIMENSIONS INCLUDE BORDER WIDTH & MARGIN. OTHER DIMENSIONS ARE WIDTH OF CHARACTER PLUS SPACE TO FOLLOWING CHARACTER EXCEPT LAST CHARACTER OF EACH WORD WHICH IS WIDTH OF CHARACTER ONLY.

Chesterfield
Commons Crossing ⇗

	COPY SIZE	COPY																					
SPACE 14																							
LINE 1	16/12			C	h	e	s	t	e	r	f	i	e	l	d								
		SPACE	61.24	18.00	15.13	13.63	13.26	11.63	15.25	10.00	11.38	7.88	15.25	7.88	10.25	01.22							
SPACE 12																							
LINE 2	16/12			C	o	m	m	o	n	s		C	r	o	s	s	i	n	g		⇗		
		SPACE	16.03	17.00	15.38	23.01	21.76	15.38	14.75	10.13	18	18.00	10.13	13.63	13.26	15.01	9.13	15.13	10.25	12.00	28	16.02
SPACE 14																							
LINE 3																							
SPACE																							

SIGN NO. 5a
STATIONS: 199+00
QUANTITY REQ'D: 1
OVERALL SIZE: WIDTH 14 FT, HEIGHT 6 FT
BORDER: WIDTH 2 IN, RADII 12 IN

BACKGROUND TYPE	R2
COLOR LEGEND	GREEN
COPY TYPE	L-3
COLOR	WHITE
BORDER TYPE	L-3
ROUTE	
MARKER TYPE	
PANEL TYPE	
POST SIZE	STR2L-3

WIDTH-HORIZONTAL SPACING - INCHES & TENTHS. END DIMENSIONS INCLUDE BORDER WIDTH & MARGIN. OTHER DIMENSIONS ARE WIDTH OF CHARACTER PLUS SPACE TO FOLLOWING CHARACTER EXCEPT LAST CHARACTER OF EACH WORD WHICH IS WIDTH OF CHARACTER ONLY.

Long Road
EXIT ⇩ ONLY

	COPY SIZE	COPY																					
SPACE 10																							
LINE 1	16/12			L	o	n	g		R	o	a	d											
		SPACE	18.99	15.13	15.38	15.13	10.25	18	16.88	14.00	15.01	10.25	18.98										
SPACE 10																							
LINE 2	36			E	X	I	T		⇩		O	N	L	Y									
		SPACE							168														
SPACE																							
LINE 3																							
SPACE																							

SIGN NO. 8
STATIONS: 228+00
QUANTITY REQ'D: 1
OVERALL SIZE: WIDTH 18.5 FT, HEIGHT 6.5 FT
BORDER: WIDTH 2 IN, RADII 12 IN

BACKGROUND TYPE	R1
COLOR LEGEND	BROWN
COPY TYPE	L-3
COLOR	WHITE
BORDER TYPE	L-3
ROUTE	
MARKER TYPE	
PANEL TYPE	
POST SIZE	ST12L-3

WIDTH-HORIZONTAL SPACING - INCHES & TENTHS. END DIMENSIONS INCLUDE BORDER WIDTH & MARGIN. OTHER DIMENSIONS ARE WIDTH OF CHARACTER PLUS SPACE TO FOLLOWING CHARACTER EXCEPT LAST CHARACTER OF EACH WORD WHICH IS WIDTH OF CHARACTER ONLY.

Spirit of St Louis
Airport
EXIT 16

	COPY SIZE	COPY																					
SPACE 3.3																							
LINE 1	13.3/10			S	p	i	r	i	t		o	f		S	t		L	o	u	i	s		
		SPACE	14.43	14.88	12.50	7.63	9.63	6.25	6.68	15	11.38	5.50	15	13.51	6.68	15	12.50	12.63	13.63	6.25	8.50	14.42	
SPACE 10																							
LINE 2	13.3/10			A	i	r	p	o	r	t													
		SPACE	74.52	16.88	7.63	9.63	11.38	12.63	8.13	6.68	74.52												
SPACE 8																							
LINE 3	10			E	X	I	T		1	6													
		SPACE	80.79	9.45	10.70	4.07	7.38	15	5.89	7.94	80.78												
SPACE 10																							

SIGN NO. 31c
STATIONS: 246+90
QUANTITY REQ'D: 1
OVERALL SIZE: WIDTH 28 FT, HEIGHT 7 FT
BORDER: WIDTH 2 IN, RADII 12 IN

BACKGROUND TYPE	R2
COLOR LEGEND	GREEN
COPY TYPE	L-3
COLOR	WHITE
BORDER TYPE	L-3
ROUTE	
MARKER TYPE	
PANEL TYPE	
POST SIZE	STR2L-3

WIDTH-HORIZONTAL SPACING - INCHES & TENTHS. END DIMENSIONS INCLUDE BORDER WIDTH & MARGIN. OTHER DIMENSIONS ARE WIDTH OF CHARACTER PLUS SPACE TO FOLLOWING CHARACTER EXCEPT LAST CHARACTER OF EACH WORD WHICH IS WIDTH OF CHARACTER ONLY.

Long Road
Chesterfield Airport Rd
1 MILE

	COPY SIZE	COPY																					
SPACE 10																							
LINE 1	16/12			L	o	n	g		R	o	a	d											
		SPACE	02.99	15.13	15.38	15.13	10.25	18.00	16.88	14.00	15.01	10.25	02.98										
SPACE 10																							
LINE 2	16/12			C	h	e	s	t	e	r	f	i	e	l	d		A	i	r	p	o	r	t		R	d	
		SPACE	17.79	18.00	15.13	13.63	13.26	11.63	15.25	10.00	11.38	7.88	15.25	7.88	10.25	18.00	20.25	9.13	11.50	13.75	15.38	9.75	8.00	18.00	16.88	10.25	17.78
SPACE 12																							
LINE 3	10			1		M	I	L	E														
		SPACE	42.23	3.32	15	11.82	4.57	9.45	7.38	42.23													
SPACE 10																							

SIGN NO. 1a 36a
STATIONS: 167+00, 300+00
QUANTITY REQ'D: 1
OVERALL SIZE: WIDTH 23 FT, HEIGHT 7 FT
BORDER: WIDTH 2 IN, RADII 12 IN

BACKGROUND TYPE	R2
COLOR LEGEND	GREEN
COPY TYPE	L-3
COLOR	WHITE
BORDER TYPE	L-3
ROUTE	
MARKER TYPE	
PANEL TYPE	
POST SIZE	STR2L-3

WIDTH-HORIZONTAL SPACING - INCHES & TENTHS. END DIMENSIONS INCLUDE BORDER WIDTH & MARGIN. OTHER DIMENSIONS ARE WIDTH OF CHARACTER PLUS SPACE TO FOLLOWING CHARACTER EXCEPT LAST CHARACTER OF EACH WORD WHICH IS WIDTH OF CHARACTER ONLY.

Chesterfield
Commons Crossing
1 MILE

	COPY SIZE	COPY																					
SPACE 10																							
LINE 1	16/12			C	h	e	s	t	e	r	f	i	e	l	d								
		SPACE	63.23	18.00	15.13	13.63	13.26	11.63	15.25	10.00	11.38	7.88	15.25	7.88	10.25	63.23							
SPACE 10																							
LINE 2	16/12			C	o	m	m	o	n	s		C	r	o	s	s	i	n	g				
		SPACE	18.03	17.00	15.38	23.01	21.76	15.38	14.75	10.13	18	18.00	10.13	13.63	13.26	15.01	9.13	15.13	10.25	18.02		
SPACE 12																							
LINE 3	10			1		M	I	L	E														
		SPACE	12.23	3.32	15	11.82	4.57	9.45	7.38	12.23													
SPACE 10																							

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FILENAME: J:\970211\0001\71SIGN00.DWG - DATE SAVED: 07/16/98 15:18:06

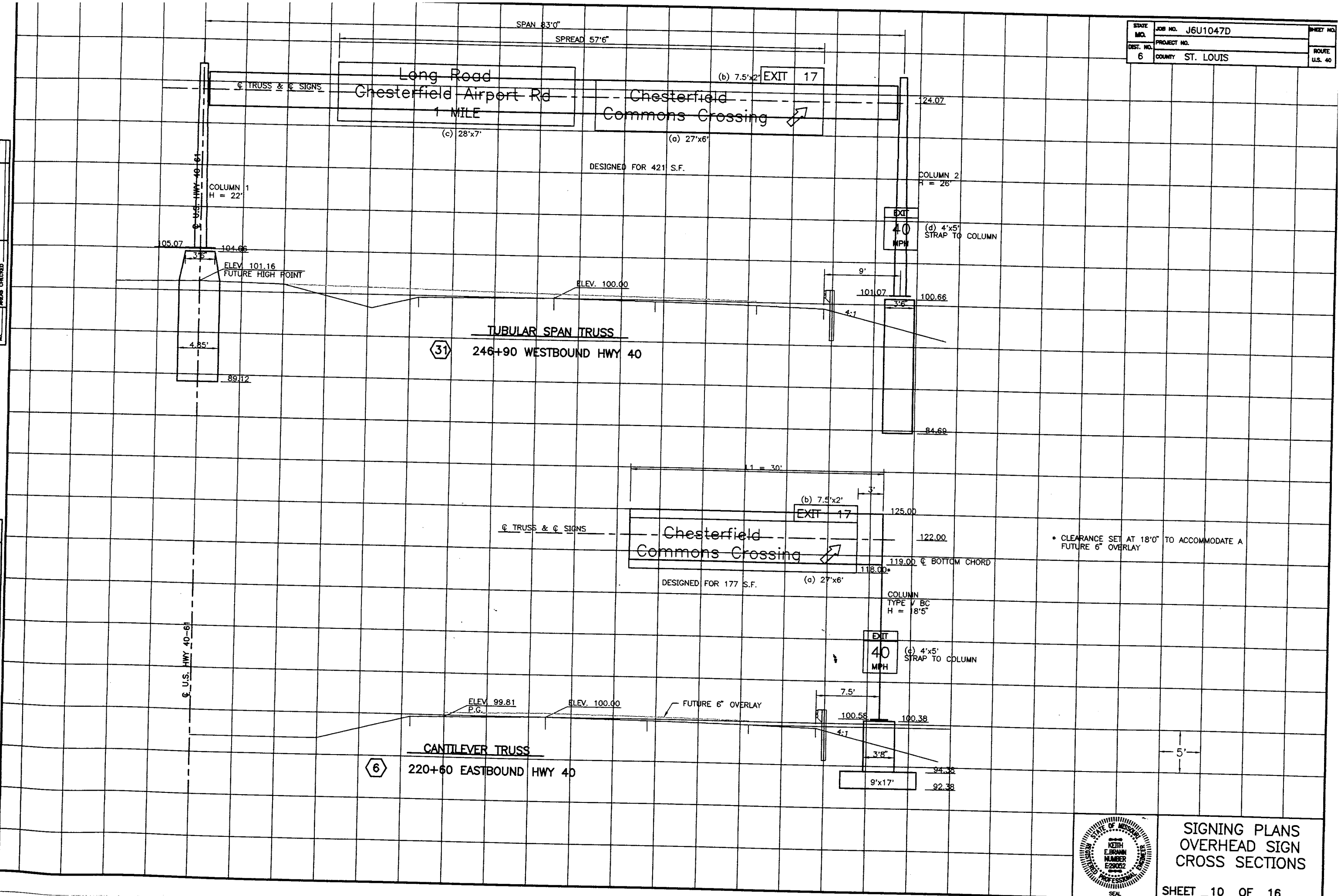
STATE OF MISSOURI
KEITH E. BRMANN
NUMBER E-29052
REGISTERED PROFESSIONAL ENGINEER
SEAL

SIGNING PLANS
SIGN DETAIL
SHEET

SHEET 7 OF 16

7-31-96

STATE MO.	JOB NO. J6U1047D	SHEET NO.
DIST. NO. 6	PROJECT NO.	ROUTE U.S. 40
	COUNTY ST. LOUIS	



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILENAME: J:\970211\0001\T150N500.DWG - DATE SAVED: 07/16/98 15:19:18

STATE OF MISSOURI
KEITH E. BRANN
NUMBER E-29052
REGISTERED PROFESSIONAL ENGINEER
SEAL

SIGNING PLANS OVERHEAD SIGN CROSS SECTIONS

SHEET 10 OF 16

7-30-96