

STA.	582+60
width x hght.	8'0" x 5'0"
BORDER WIDTH	1.5"
CORNER RADIUS	6"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 24
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 92/Color 92

SYMBOL	ROT	X	Y	WID	НТ
AR_Type A	315	67	6	18.2	29.2

 	 	 	LENGTH	SERIES/SIZE
				ClearviewHwy-5-W
			50.7	12
				ClearviewHwy-5-W
			47.1	18

			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D	ETAILS		•	90-[14R;(14HB-4,14,14HVB)BR	TAZEWELL	2433	1601
			_		CONTRACT	. NO. 6	8620
	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		
			• 74	1 & 155			

SIGN 1:100	I DET.	AIL																										
Panel S Dimens	tyle: ions are	guide_1 in	iwy_over inches	head_wa	ıming.ssi	i						BC R= TH FC (1) M.	ېم کې DRDER =10" I = 2" DNT: Clearvie U.T.C.D.	L ME 10.9"	11'- RGE T110 -W dition	O" END: RIGI	S HT 10.8"	10" 10"(1) 7.5" 10"(1) 7.5" 22" W 11" X=	N = 90.4 K = 20.8" W = 110.3 X = 10.9" = 32" = 50"	, 3 ¹¹					Letter	locations	s are pa	nel e
											 						LET	TER	POSI	TIONS	(X)				 			_
L	A	N	E		E	N	D	s																		T		$\overline{\top}$
20.8	28.8	41.1	53.3	59.7	71.1	80.9	93.1	104																				+
М	E	R	G	E		R	1	G	Н	Т																		Ī
10.9	24.1	33.8	44.4	56.7	63.1	74.5	85.4	91	103.3	113.9																		
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E NAME =				DESIGNED	- SMS			REVISED	-		, V	skaal.	rio #															
0468620-sh R NAME =	t-signdetail IDOT	l19.dgn		DRAWN CHECKED	- SMS - LDC			REVISED REVISED	-		Hang	incering Group		111.0177 pina 1112.0777 pin 1112.0777 pin 1112.0777 pina 1112.0777 pina 1112.0777 pina		DEP/	S1 Artme	INT O	of illi F trai	NOIS NSPOR	TATIO	N				SIGN	PANE	. D
DT DATE =	7/16/2012			DATE	- JULY	20, 2012	2	REVISED	-		V	Project in the local Project Name	194 194 194										S	CALE:	SHEET NO). 19 OF	37 SHEE	TS

SIGN NUMBER	4S090I155R031.9
WIDTH x HGHT.	11'0" x 6'6"
BORDER WIDTH	2"
CORNER RADIUS	10"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 9
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 241/Color 241

SYMBOL	ROT	Х	Y	WID	НТ
ARDOWN	0	50	11	32	22

nel edge to lower left corner

			LENGTH	SERIES/SIZE
				ClearviewHwy-5-W
	 		90.4	10
				ClearviewHwy-5-W
			110.3	10

			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D	ETAILS		•	90-[14R;(14HB-4,14,14HVB)B	R] TAZEWELL	2433	1602
_	,				CONTRAC	Γ NO. 6	8620
	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		
			• 74	& 155			



STR. NUMBER	4S090I155R031.9
width X hght.	11'–6" x 10'–6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 24
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 100/Color 100

SYMBOL	ROT	Х	Y	WID	НТ
M1_1	0	16.2	76.5	36	36
ARDOWN	0	53.0	14.5	32	22

			LENGTH	SERIES/SIZE
				ClearviewHwy-5-W
			54.7	15,12
				ClearviewHwy-5-W
			82.4	16/13

DETAILS		F.A.I RTE	s	ECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
		•	90-[14R:(14	90-[14R;(14HB-4,14,14HVB)BR] TA		TAZEWELL	2433	1603	
							CONTRACT	NO. 6	8620
	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		
_				74 8 155					



SIGN NUMBER	4S090l155R031.9
width x hght.	21'0" x 8'0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 24
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 100/Color 100

SYMBOL	ROT	Х	Y	WID	HT
M1_1	0	54.3	44	36	36
AR_Type A	315	203.6	33.2	24	37.7

			LENGTH	SERIES/SIZE
				ClearviewHwy-5-W
			46.7	15,12
				Clean/iewHww_5_W
			160.0	
			100.0	

DETAILS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		•	90-[14R;(14HB-4,14,14HVB)BR] TAZEWEL		2433	1604	
_					CONTRACT	NO. 6	8620
	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		
			• 74	& 155			



SIGN NUMBER	25+00
WIDTH x HGHT.	31'0" x 14'0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 24
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 92/Color 92

	SYMBOL	ROT	х	Y	WID	НТ
M1	-1100A-2-42-20D	0	21.4	55.4	41.2	36

LENGTH SERIES/SIZE									
		ClearviewHwy-5-W							
	111.8	20/16.3							
		ClearviewHwy-5-W							
	83.3	20							
		ClearviewHwy-5-W							
	268	20/16.3,18							
		ClearviewHwy-5-W							
	329.2	20/16.3,18							

DETAILS		F.A.I. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
		•	90-[14R;(14HB-4,14,14H	TAZEWELL	2433	1605		
_						CONTRACT	NO. 6	8620
	STA.	TO STA.		ILLINOIS	FED. AI	D PROJECT		
			• 74	& 155				

SIGN DETAIL 1:100 Panel Style: guide_fwy_advance_b_clearvi Dimensions are in inches.tenths	W=41.2" X=21.2" W=117.1" X=21.2" W=117.1" X=21.2" W=117.1" X=21.2" W=117.1" X=21.2" W=117.1" X=21.2" W=117.1" X=21.2" W=117.1" X=21.2" W=117.1" X=21.2" W=1.2" X=21.2" W=1.2" X=21.2" W=1.2" X=21.2" W=1.2" X=21.2" X=	17'-6" 18.5" 18.5" 20"(1) 18.5" 20"(1) 18.5" 21.2" 167.7" 167.7" 167.7" 167.7"	$\begin{array}{c} 7 \\ 35 \\ 21.1^n \end{array} = \begin{array}{c} 28.5^n \\ 18^n(1) \\ \mathbf{X} = 176.2^n \\ \mathbf{X} = 176.2^n \\ \mathbf{X} = 176.3^n \\ \mathbf{X} = 158.3^n \end{array}$	Letter locations are panel edge to lower left corner	SIGN NUMBER 2 WIDTH x HGHT. 1 BORDER WIDTH 2 CORNER RADIUS 1 MOUNTING 0 BACKGROUND 0 LEGEND/BORDER 0 SYMBOL ROT M1-1100A-2-42-20D 0 I I I I I I I I I I I I I I I I I I I I I I I I	29+00 17'-6" x 9'-0" 2" 12" Ground TYPE: ZZ Retro Reflective COLOR: Color 24 TYPE: ZZ Retro Reflective COLOR: Color 92/Color 92 X Y WID HT 21.2 53.5 41.2 36 X Y WID HT 21.2 53.5 41.2 36
7						ClearviewHwv-5-W
176.2						2.7 18
L i n c o l	n 3 5					ClearviewHwy-5-W
21.2 38.7 50.6 71.3 89.8 112	124.4 158.3 176.5				16	37.7 20/16.3,18
E NAME = DESIGNED - S D468620-sht-signdetoil23.dgn DRAWN - S IR NAME = IDOT CHECKED - L DATE = 7/16/2012 DATE - U	REVISED - REVISED - REVISED - REVISED - Y 20, 2012 REVISED	Caskaskia and and a state and	STATE OF ILLINOIS RTMENT OF TRANSPORTATION	SCALE: SHEET NO. 23 OF 37 SHEETS STA. TO STA.	F.A.I. SECTION RTE. 90-[14R;(14HB-4.14	N COUNTY TOTAL SHE SHEETS N 4,14HVB)BRI TAZEWELL 2433 16 CONTRACT NO. 686;

SIGN NUMBER	29+00				
WIDTH x HGHT.	17'–6" x 9'–0"				
BORDER WIDTH	2"				
CORNER RADIUS	12"				
MOUNTING	Ground				
BACKGROUND	TYPE: ZZ Retro Reflective				
	COLOR: Color 24				
LEGEND/BORDER	TYPE: ZZ Retro Reflective				
	COLOR: Color 92/Color 92				

	SYMBOL	ROT	х	Y	WID	HT
M1	1100A-2-42-20D	0	21.2	53.5	41.2	36

				LENGTH	SERIES/SIZE
					ClearviewHwy-5-W
				12.7	18
					ClearviewHwy-5-W
				167.7	20/16.3,18

	SIGN DE	TAIL																							SIGN NUMB	ER	35+00			
	1:100																								WIDTH X HG	aht.	21'0" x ⁻	12'6"		
																									BORDER WI	DTH	2"			
														21'-	-0"										CORNER RA	JUS	12"			
										-		-				┥	-								MOUNTING		Ground			
										t i	17.5	" <u></u>	~	~	-	ז∔17	7.7" 2	20.7"	40.4*						BACKGROUN	1D	TYPE: ZZ	2 Retro	Reflect	ive
											W=48"	," ¹		RISTATE	EAST	¹⁸	$X = 130.1^{\circ}$ $1!$	5"(1) W=	145.5 "								COLOR:	Color	24	
											X=64.1" 40	'		4/			4.3"								LEGEND/BOF	RDER	TYPE: ZZ	Z Retro	Reflect	ive
										စု		Ŧ		/	_												COLOR:	Color	92/Colo	я 92
										얻	48.6	5"	Bloc) m i	inaton	120	$0^{"}(1) \begin{array}{c} W = 211^{"} \\ X = 20.5^{"} \end{array}$	14.3"							[r					
											W=25.7"	↓ '				17	7.3" W = 41 5"								SYMBOL	ROT	X	Y V	VID	HT
											X=83.4" 18"("↓	ľ	י ₂∕י	MILE	12	2"(1) X=127.1"								M1_1	0	64.1	34.3	48	48
										Ţ	17.5	" <u>1</u>				J <u>↓</u> 20	0.7"													
											BORDE	R 20.5"		211	<mark>⊳ ⊲</mark> 1" 20	⊷ 5"														
											R=12"	20.0		21	. 20	.0														
											IH=2"																			
	Panel Style:	guide	fwy adva	nce a clearv	view.ssi						FONT: (1) Clea	viewHwy-	-5W																	
VICUUE UNICUE	Dimensions an	e in	inches	tenths							M.U.T.C	.D.: 2009	Edition							Letter lo	cations	are panel edg	ge to lowe	r left corner						
LTTCH POSITIONS O Description Descr]
I No.																POSIT	TIONS (X)									LE	INGTH	SERIE	S/SIZE	
100 1	E A	S	Т																								Cle	earviewH	wy-5-\	N
0 0	130.1 145.5	5 162.7	177.1																								57.8 18,	,15		
3.5 4.1 7.5 7.6 7	B I	0	0	m	i	n	g	t	0	n																	Cle	earviewH	wy-5-1	N
N 1 L E 0	20.5 42.5	54.1	75.5	97.8 12	7.6 1	139.5	160.2 18	30.3	195.4	217.6																	211 20	/16.3		
	1/2 M			F																									MA/_5_\	<u></u>
Out Dif D	02 A 107 1	142.0	150.1	161																							05 0 10	10	, O 1	•
	03.4 127.1	142.9	150.1																								05.2 10,	12 		
Image: Normal interview Image: Normal interview <td></td>																														
Mark																														
NAME - 100T DESIGNED - SMS REVISED Marker - 100T State of illinois <																														
NAME : DESIGNED - SMS REVISED - IGB620-sht-signedeta1124.dgn DRAWn - SMS REVISED - NAME :: SIGN PANEL DETAILS FAI. SECTION COUNTY TOTAL NAME :: SHEET NO. 24 OF 37 SHEETS SCALE: SHEET NO. 24 OF 37 SHEETS SCALE: SHEET NO. 24 OF 37 SHEETS ILLINOIS ILLINOIS ILLINOIS FEAL ILLINOIS FEAL </td <td></td> <td>_</td> <td></td>														_																
NAME = DESIGNED - SMS REVISED - SMS REVISED - Section County TOTAL SHE SHE State																														
NAME = DE SIGNED - SMS REVISED - COUNTY TOTAL SECTION COUNTY TOTAL SHEET NO. 40 OF 37 SHEETS SIGN PANEL DETAILS COUNTY TOTAL SHEET NO. 40 OF 37 SHEETS COUNTY TOTAL 2433 Idescription NAME = 1007 OATE - 7/16/2012 DATE - 7/16/2012 JULY 20, 2012 REVISED - TO STA. To STA. <td></td>																														
NAME = DESIGNED - SMS REVISED - COUNTY Note - Note - Note - Section COUNTY Note - Note - </td <td></td>																														
ABBE 20-sht-signed tail24.dgn DRAWN SMS REVISED NAME SMEET State OF ILLINOIS STATE OF ILLINOIS STATE OF ILLINOIS NAME SHEET State NAME SHEET State NAME SHEET State NAME SHEET State STATE State S	NAME =			DESIGNED -	SMS		REVIS	SED -			v	olza-l-	io monetal												F.A.I.	SECTIO	ON	COUNT	Y TO	TAL SHE
DATE 7/16/2012 DATE JULY 20, 2012 REVISED V Life Date Life Date <thlife date<="" th=""> <thlife date<="" th=""></thlife></thlife>)468620-sht-signdeta R NAME = IDDT	ail24.dgn		DRAWN -	SMS		REVIS	SED -				aSKdSK gineering Group, 1			STATE O		NOIS				SIGN	PANEL DET	AILS		• 90-[1	4R:(14HB-4,	14,14HVB)BR]	TAZEWE	LL 24	433 160
	T DATE = 7/16/2012	2		DATE -	JULY 20	0, 2012	REVIS	SED -					Rm. 134.000773 Rmg 20-5005215		JEFANINENT UF	INAN			SCALE:	SHEET NO.	24 OF	37 SHEETS	TA.	TO STA.		IL	LINOIS FED. A	LUNTR	AUT N	J. 6862(

SIGN NUMBER	35+00
WIDTH X HGHT.	21'0" x 12'6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 24
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 92/Color 92

SYMBOL	ROT	Х	Y	WID	HT
M1_1	0	64.1	84.3	48	48



SIGN NUMBER	29+00
width X HGHT.	21'6" x 15'6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 24
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 92/Color 92

SYMBOL	ROT	Х	Y	WID	HT
M1_1	0	95.7	136.5	36	36
AR_Type A	0	56.7	121.6	24	37.7
M1_1	0	53.4	42.5	36	36
AR_Type A	270	202.6	34.5	24	37.7

LENGTH	I SERIES/SIZE
	ClearviewHwy-5-W
54.7	15,12
	ClearviewHwy-5-W
82.4	16⁄13
	ClearviewHwy-5-W
46.7	15,12
	ClearviewHwy-5-W
168.8	16/13

			F.A.I. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
DETAILS		•	90-[14R;(14HB-4,14,14	HVB)BR]	TAZEWELL	2433	1608	
						CONTRACT	NO. 6	8620
	STA.	TO STA.		ILL INOI:	S FED. AI	D PROJECT		
_			• 7	4 & 155				



SIGN NUMBER	40+50					
WIDTH x HGHT.	17'–0" x 10'–6"					
BORDER WIDTH	2"					
CORNER RADIUS	12"					
MOUNTING	Ground					
BACKGROUND	TYPE: ZZ Retro Reflective					
	COLOR: Color 24					
LEGEND/BORDER	TYPE: ZZ Retro Reflective					
	COLOR: Color 100/Color 100					

	SYMBOL	ROT	х	Y	WID	HT
	M1_1	0	53.2	76.5	36	36
AR_T	ype A – Extende	d 90	74.6	12.6	24	54.9

LENGTH SERIES/SIZE											
							ClearviewHwy-5-W				
						46.7	15,12				
							ClearviewHwy-5-W				
						168.8	16/13				

DETAILO			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DETAILS		•	90-[14R;(14HB-4,14,14HVB)B	R] TAZEWELL	2433	1609	
_					CONTRACT	. NO. 6	8620
	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		
			• 74	& 155			



SIGN NUMBER	4C090LMORL102.2
WIDTH x HGHT.	15'–6" x 8'–0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 24
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 92/Color 100

SYMBOL	ROT	Х	Y	WID	HT
M1_1	0	18.2	44	36	36
AR_Type A	315	138.2	33.1	24	37.7

			LENGTH	SERIES/SIZE
				ClearviewHwy-5-W
			54	15,12
				ClearviewHwy-5-W
			82.4	16⁄13

			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DETAILS			•	90-[14R;(14HB-4,14,14HVB	3)BR]	TAZEWELL	2433	1610
_						CONTRACT	NO. 6	8620
	STA.	TO STA.		ILLINOIS FE	ED. AII	D PROJECT		
			• 74	& 155				



SIGN NUMBER	7+00, LT
width x hght.	3'6" x 3'0"
BORDER WIDTH	1.25"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 92
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 218/Color 241

	SYMBOL	ROT	х	Y	WID	НТ
AR	LEFT Regulatory	0	3.4	9.8	11.9	14.6
AR	LEFT Regulatory	180	26.7	9.8	11.9	14.6
Ī						

				I	SEDIESQIZE
					JLINES/JIZE
				D	
			15.6	5	
				D	
			15.6	5	

			F.A.I. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
U	DETAILS			90-[14R:(14HB-4.14.1	4HVB)BR1	TAZEWELL	2433	1611
_						CONTRACT	NO. 6	8620
6	STA.	TO STA.		ILLING	D PROJECT			
			• 74	& 155				



SIGN NUMBER	7+00, RT
width x hght.	3'6" x 3'0"
BORDER WIDTH	1.25"
CORNER RADIUS	3″
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 92
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 218/Color 241

ĺ	SVMBOI	POT	v	v	WID	μт
	STIVIDOL					
AR	LEFT_Regulatory	0	3.4	9.8	11.9	14.6
AR	LEFT_Regulatory	180	26.7	9.8	11.9	14.6

			LENGTH		SERIES/SIZE
				D	
			15.6	5	
				D	
			15.6	5	

			F.A.I. RTE.	SECTION	1	COUNTY	TOTAL SHEETS	SHEET NO.
DETAILS		•	90-[14R:(14HB-4.14	1,14HVB)BR	1 TAZEWELL	2433	1612	
						CONTRACT	NO. 6	8620
	STA.	TO STA.		ILLI	NOIS FED. A	ID PROJECT		
			• 74	° & 155				

SIGN PANEL DESIGN SHALL BE COORDINATED WITH IDOT TRAFFIC OPERATIONS SECTION PRIOR TO MANUFACTURING



Panel Style: guide_fwy_next_services_clearview.ssi Dimensions are in inches.tenths

LETTER POSITIONS (X) 0 D G Ν G L I 46.4 53.3 63.6 72.7 82.5 87.2 96.7 FILE NAME = DESIGNED - SMS REVISED Kaskaskia STATE OF ILLINOIS SIGN PANEL ...\D468620-sht-signdetail30.dgn DRAWN - SMS REVISED USER NAME = IDOT CHECKED - LDC REVISED **DEPARTMENT OF TRANSPORTATION** Inconstitutes, associations Marie Preferical Design Res. Design Res. 1000000000 SCALE: SHEET NO. 30 OF 37 SHEETS PLOT DATE = 7/16/2012 REVISED DATE - JULY 20, 2012

SIGN NUMBER	1008+00
width X HGHT.	12'–6" x 8'–0"
BORDER WIDTH	1"
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 47
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 92/Color 92

SYMBOL	ROT	х	Y	WID	НТ
AR_Type A	90	6.8	55.5	10.9	17.3
AR_Type A	270	126	55.5	10.9	17.3
logo panel	0	30	52	24	18
logo panel	0	63	52	24	18
logo panel	0	96	52	24	18
AR_Type A	90	6.8	19.5	10.9	17.3
AR_Type A	270	126	19.5	10.9	17.3
logo panel	0	30	16	24	18
logo panel	0	63	16	24	18
logo panel	0	96	16	24	18

			LENGTH	SERIES/SIZE
				ClearviewHwy-5-W
			57.2	8

			F.A.I. RTE.	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
D	ETAILS		•	90-[14R:(14HB-	4 , 14,14H	VB)BR]	TAZEWELL	2433	1613
							CONTRACT	NO. 6	8620
	STA.	TO STA.			ILL INOIS	FED. AID	PROJECT		
			• 74	& 155					

SIGN PANEL DESIGN SHALL BE COORDINATED WITH IDOT TRAFFIC OPERATIONS SECTION PRIOR TO MANUFACTURING



Panel Style: guide_fwy_next_services_clearview.ssi Dimensions are in inches.tenths

LETTER POSITIONS (X) F 0 0 D 58 65.2 75.2 85.6 FILE NAME = DESIGNED - SMS REVISED Kaskaskia STATE OF ILLINOIS SIGN PANEL ...\D468620-sht-signdetail31.dgn DRAWN - SMS REVISED USER NAME = IDOT CHECKED - LDC REVISED **DEPARTMENT OF TRANSPORTATION** Inconstitutes, associations Marie Preferical Design Res. Design Res. 1000000000 SCALE: SHEET NO. 31 OF 37 SHEETS PLOT DATE = 7/16/2012 DATE - JULY 20, 2012 REVISED

SIGN NUMBER	1010+00
WIDTH x HGHT.	12'–6" x 8'–0"
BORDER WIDTH	1"
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 47
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 92/Color 92

SYMBOL	ROT	Х	Y	WID	НТ
AR_Type A	90	6.8	55.5	10.9	17.3
AR_Type A	270	126	55.5	10.9	17.3
logo panel	0	30	52	24	18
logo panel	0	63	52	24	18
logo panel	0	96	52	24	18
AR_Type A	90	6.8	19.5	10.9	17.3
AR_Type A	270	126	19.5	10.9	17.3
logo panel	0	30	16	24	18
logo panel	0	63	16	24	18
logo panel	0	96	16	24	18

			LENGTH	SERIES/SIZE
				ClearviewHwy-5-W
			34	8

			F.A.I. RTE	SECT	TION		COUNTY	TOTAL SHEETS	SHEET NO.
D	ETAILS		•	90-[14R:(14HB-	4,14,14HVE	3)BR]	TAZEWELL	2433	1614
							CONTRACT	NO. 6	8620
	STA.	TO STA.			ILLINOIS F	ED. AII	D PROJECT		
			• 7	4 & 155					

SIGN PANEL DESIGN SHALL BE COORDINATED WITH IDOT TRAFFIC OPERATIONS SECTION PRIOR TO MANUFACTURING



Panel Style: guide_fwy_next_services_clearview.ssi Dimensions are in inches.tenths

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- SMS	REVISED -	-		ATTACTIONS LICENSELING.	DEP	ARTMEN	NT OF TF	ANSPOR	FATION							· · · · ·		CONTRACT
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SIGN NUMBER	1012+00
WIDTH x HGHT.	12'–6" x 8'–0"
BORDER WIDTH	1"
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 47
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 92/Color 92

	SYMBOL	ROT	Х	Y	WID	HT
logo pa	nel arrow special	90	7	53.4	15.2	17
logo pa	nel arrow special	270	126	53.4	15.2	17
	logo panel	0	30	52	24	18
	logo panel	0	63	52	24	18
	logo panel	0	96	52	24	18
logo	panel distance	0	30	42	24	8
logo	panel distance	0	63	42	24	8
logo	panel distance	0	96	42	24	8
logo pa	nel arrow special	90	7	17.4	15.2	17
logo pa	nel arrow special	270	126	17.4	15.2	17
	logo panel	0	30	16	24	18
	logo panel	0	63	16	24	18
	logo panel	0	96	16	24	18
logo	panel distance	0	30	6	24	8
logo	panel distance	0	63	6	24	8
logo	panel distance	0	96	6	24	8

SIGN PANEL DESIGN SHALL BE COORDINATED WITH IDOT TRAFFIC OPERATIONS SECTION PRIOR TO MANUFACTURING



Panel Style: guide_fwy_next_services_clearview.ssi Dimensions are in inches.tenths

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ОТ	-	CHECKED	- LDC		R	EVISED	-	$\square \emptyset$	Lingineering Gro	roup, LLC minutions	Andrewson	DE	PARTM	ENT	DF TRA	NSPOR	TATIO	V									• la0-	LI4R;(I4HB-4,	,14,14HVB)BR	CONTRACT
7/16/2012		DATE	- JULY	20, 2012	R	EVISED	-	V	Productional Region	and the second	28-5000335								SCALE	E:	SHEET N	0. 33 OF	37 SHEETS S	TA.	TO STA.			I	LLINOIS FED. /	ID PROJECT

SIGN NUMBER	1014+00
WIDTH X HGHT.	12'–6" x 8'–0"
BORDER WIDTH	1"
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 47
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 92/Color 92

	SYMBOL	ROT	Х	Y	WID	HT
logo pa	nel arrow special	90	7	53.4	15.2	17
logo pa	nel arrow special	270	126	53.4	15.2	17
	logo panel	0	30	52	24	18
	logo panel	0	63	52	24	18
	logo panel	0	96	52	24	18
logo	panel distance	0	30	42	24	8
logo	panel distance	0	63	42	24	8
logo	panel distance	0	96	42	24	8
logo pa	nel arrow special	90	7	17.4	15.2	17
logo pa	nel arrow special	270	126	17.4	15.2	17
	logo panel	0	30	16	24	18
	logo panel	0	63	16	24	18
	logo panel	0	96	16	24	18
logo	panel distance	0	30	6	24	8
logo	panel distance	0	63	6	24	8
logo	panel distance	0	96	6	24	8





Panel Style: regulatory.ssi Dimensions are in inches.tenths

LETTER POSITIONS (X)														SERIES/SIZE															
0	N	L	Y																									D	
3	7.2	11.2	14.4																								1	15.6 5	
0	N	L	Y																									D	
21.9	26	30	33.2														 										1	15.6 5	
																	 				1								
0	N	L	Y																									U	
40.7	44.8	48.8	52																								1	15.6 5	
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59.5	63.6	67.6	70.9																								1	15.6 5	
						I	EVICED.					1																	
FILE NAME = DESIGNED - SMS REVISED -						ST	ATE OF U					SIGN	PANEI DETA	u s			RTE.	SECTIO	N	COUNTY SHEETS NC									
USER NAME = IDO	<u>, се юпо-</u> Т		CH	ECKED - LDC		R	EVISED -			Engine	ering Group, LLC	C with Life and		DEPA	RTME	NT OF TR	RTATIO	N			VIDIA	I ANGLE DETA				• 90-[14R;(14HB-4,1	4,14HVB)BR	AZEWELL 2433 161
PLOT DATE = 7/1	6/2012		D/	ATE - JULY	20, 2012	R	EVISED -		5		is Projectical Projection Indeal Reprinting Group	104.000773 20-0000235					 		SCALE:	SHEET NO	. 34 OF	37 SHEETS ST	Α.	TO ST	Α.		ILL	INOIS FED.	ID PROJECT

SIGN NUMBER	1016+00, LT
width x hght.	6'6" x 3'0"
BORDER WIDTH	1.25"
CORNER RADIUS	3"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 92
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 218/Color 241

	SYMBOL	ROT	х	Y	WID	НТ
AR	LEFT_Regulatory	0	3	9.8	11.9	14.6
AR	LEFT_Regulatory	0	21. 9	9.8	11.9	14.6
AR	LEFT_Regulatory	180	44.4	9.8	11.9	14.6
AR	LEFT_Regulatory	180	63.2	9.8	11.9	14.6





Panel Style: regulatory.ssi Dimensions are in inches.tenths

														LET	ter posi	TIONS	(X)										LENGTH	SERIES/SIZE
0	N	L	Y																									G
3	7.2	11.2	14.4																								15.6	5
0	N	L	Y																									D
21.9	26	30	33.2																								15.6	5
21.0	20		00.2																									
0	N	L	Y																									د ا
40.7	44.8	48.8	52																								15.6	5
0	Ν	L	Y																									כ
59.5	63.6	67.6	70.9																								15.6	5
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EILE NAME -				ESTONED - SHE		n		T			I		F.A.I.						.A.I									
\D468620-sht-	signdetail3	35.dgn	D	RAWN - SMS		R	REVISED -		<u>x Ka</u>	skaskia	a			ST	ATE OF ILL	INOIS					SIGN	PANEL DETAIL	S		R	TE. SEC	-4.14.14HVR)F	ATTAZEWELL 2433 1611
USER NAME = IDOT CHECKED -			HECKED - LDC		R	EVISED -			nonsing croup) Li/	6 AICBR01100.		DEPA	RTME	NT OF TRA	NSPOR	TATIOI	V				77 000000		TO 67:				CONTRACT NO. 68620	
PLOT DATE = 7/16/2012 DATE - JULY 20, 2012		REVISED -									SCALE: SHEET NO. 35 OF 37 SHEETS STA. TO STA.					74 0 155	ILLINOIS FED.	AID PROJECT										

SIGN NUMBER	1016+00, RT
WIDTH x HGHT.	6'6" x 3'0"
BORDER WIDTH	1.25"
CORNER RADIUS	3"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 92
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 218/Color 241

	SYMBOL	ROT	х	Y	WID	HT
AR	LEFT_Regulatory	0	3	9.8	11.9	14.6
AR	LEFT_Regulatory	0	21.9	9.8	11.9	14.6
AR	LEFT_Regulatory	180	44.4	9.8	11.9	14.6
AR	LEFT_Regulatory	180	63.2	9.8	11.9	14.6



SIGN NUMBER	4S090I155R031.2
WIDTH x HGHT.	11'6" x 8'0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 24
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 100/Color 100

SYMBOL	ROT	х	Y	WID	НТ
M1_1	0	16.2	44	36	36

			LENGTH	SERIES/SIZE
				ClearviewHwy-5-W
			54.7	15,12
				ClearviewHwy-5-W
			82.4	16/13

			F.A.I. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
DETAILS			•	90-[14R:(14HB-4,14,14	HVB)BR1	TAZEWELL	2433	1619
						CONTRACT	NO. 6	8620
	STA.	TO STA.		ILLINOI	S FED. AI	D PROJECT		
-			• 74	& 155				



SIGN NUMBER	4S090I155R031.2
width x hght.	17'–0" x 10'–0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro Reflective
	COLOR: Color 24
LEGEND/BORDER	TYPE: ZZ Retro Reflective
	COLOR: Color 100/Color 100

SYMBOL	ROT	Х	Y	WID	НТ
M1_1	0	53.1	69.4	36	36

LENGTH SERIESSIZE Image: Constraint of the series of the serie					
Image: state sta	 	 	 	LENGTH	SERIES/SIZE
46.7 15,12 168.8 1643 168.8 1643 169 15,10 169 <th></th> <th></th> <th></th> <th></th> <th>ClearviewHwy-5-W</th>					ClearviewHwy-5-W
Image:				46.7	15,12
Image: state stat					ClearviewHwy-5-W
Image: state in the state				168.8	16/13
Image: state of the state					ClearviewHwy-5-W
				56.4	15,10
		_			

			F.A.I. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
D	DETAILS		•	90-[14R:(14HB-4,14,	14HVB)BRI	TAZEWELL	2433	1620
		_			CONTRACT	NO. 6	8620	
	STA.	TO STA.		ILLIN	IOIS FED. A	ID PROJECT		
			• 74	1 & 155				



SHEET NO. SS1 OF

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs, concentrated live load.

DESIGN STRESSES: Field Units f'c = 3,500 p.s.i. fy = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specificiations.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.

The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb,-ft, at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Evebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not nermitted

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Bridge Seat Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	204
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	155
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	152
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	343
CONCRETE FOUNDATIONS	Cu. Yds.	0
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	200.8

S – GENERAL PLAN &	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
SS & STEEL SUPPORTS	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1621			
			CONTRACT	NO. 6	8620			
SS32 SHEETS	ILLINOIS FED. AID PROJECT							



PLOT DATE = 7/16/2012

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REVISED

SHEET NO. SS2 OF

S – ALUMINUM TRUSS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	0
I-A II-A AND III-A	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1622	6
			CONTRACT	NO. 6	8620	
SS32 SHEETS	ILLINOIS FED. AID PROJECT					

Structure	Design	Exte	Exterior Units (2)		Interior Unit			Upper .	& Lower	Verticals; Horizontals; Vertical,		Camber	Splicing Flange						
Station	Tvpe	No. Panels	Unit	Panel	No.	No. Panels	Unit	Panel			Horizoniai, ana	Interior Diagonals	aı Midspan	Bolt.	S	Weld	Sizes		R
	. <i>J F</i> -	per Unit	Lgth.(L _e)	Lgth.(P)	Req'd.	per Unit	Lgth.(L;)	Lgth.(P)	0.D.	Wall	0.D.	Wall		No./Splice	Dia.	W	Wi		
482+66.50	I - A	7	32′-9′2″	4'-5"	0	-	-	-	5"	⁵ 16 "	2'2"	⁵ /6 "	1.45"	6	⁷ 8 "	516 "	4"	8 ³ 4"	1134
495+10.00	III-A	7	38′-9′ ₄ ″	5'-34"	0	-	-	-	7"	⁵ 16 "	3'4"	⁵ /6 "	0.91"	6	1"	716 "	5/16	11'2"	15"
498+50.00	II-A	7	38′-9′ ₄ ″	5′-3′4″	0	-	-	-	5 ¹ 2"	516 "	3"	⁵ /6 "	1.72"	6	⁷ 8 "	3 ₈ "	4"	94"	12'4
508+15.00	III-A	7	38′-9′4″	5′-3′4″	0	-	-	-	7"	⁵ 16 "	34"	⁵ /6 "	0.91"	6	1"	716 "	516 "	11'2"	15"
515+50.00	II-A	5	28′-10′₄″	5′-4 ³ 4″	1	4	22'-10"	5'-4 ³ 4"	5'2"	⁵ 16 "	3"	5 ₁₆ "	1.90"	6	⁷ 8"	3 ₈ "	4"	94"	12'4
17+68.62	I-A	5	25′-10″	4'-9 ¹ 2"	1	6	30'-0"	4'-9'2"	5"	516 "	21/2"	5,6 "	2.25"	6	78"	5/6 "	4"	8 ³ 4"	1134
54+00.00	I-A	6	30′-10′ ₂ ″	4'-10"	0	-	-	-	5"	4"	2'2"	4"	1.27"	6	78"	516 "	4	8 ³ 4"	1134
															-				
-																			
	Station 482+66.50 495+10.00 508+15.00 508+15.00 515+50.00 17+68.62 54+00.00	Station Truss Type 482+66.50 I-A 495+10.00 III-A 498+50.00 II-A 508+15.00 III-A 515+50.00 II-A 17+68.62 I-A 54+00.00 I-A	Station Truss Type No. Panels per Unit 482+66.50 I-A 7 495+10.00 III-A 7 498+50.00 III-A 7 508+15.00 III-A 7 515+50.00 III-A 5 17+68.62 I-A 5 54+00.00 I-A 6	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Station Truss Type Unit per Unit Unit Lgth.(Le) Panel Lgth.(Le) Unit per Unit No. Panels Lgth.(Li) Unit Lgth.(Li) Panel Lgth.(Li) Chord Horizontal, and Interior Diagonals 482+66.50 I-A 7 $32'-9_2''$ $4'-5''$ 0 - - 5" $5_{16}''$ $2'_2''$ $5_{16}'''$ 495+10.00 III-A 7 $32'-9_2''$ $5'-3_4'''$ 0 - - 5" $5_{16}'''$ $2'_2'''$ $5_{16}'''''$ 498+50.00 II-A 7 $38'-9_4'''''''''''''''''''''''''''''''''''$	Station Truss Type Chord Horizontal, and Interior Diagonals at Midspan A82+66.50 I-A 7 $32'-9'_{2}"$ $4'-5"$ O - - - 5" $7_{16}"$ $2'_{2}"$ $7_{16}"$ I.45" Mol. Mol. Panels Unit Lgth.(L) Lgth.(L) Lgth.(P) Wall O.D. Wall O.D. Wall O.D. Wall Midspan 482+66.50 I-A 7 $32'-9'_{2}"$ $4'-5"$ O - - 5" $5_{16}"$ $2'_{2}"$ $5_{16}"$ $1.45"$ 495+10.00 III-A 7 $38'-9'_{4"}$ $5'-3'_{4"}$ O - - $5'_{2}"$ $5_{6}"$ $3'_{4}"$ $5'_{6}"$ $3'_{4}"$ $5'_{6}"$ $3'_{4}"$ $5'_{6}"$ $3'_{4}"$ $5'_{6}"$ $3'_{4}"$ $5'_{6}"$ $3'_{4}"$ $5'_{6}"$ $3'_{4}"$ $5'_{6}"$ $3'_{4}"$ $5'_{6}"$ $3'_{4}"$ $5'_{6}"$ $3'_{4}"$ $5'_{6}"$ $3'_{4}"$ $5'_{6}"$ $3'_{4}"$ $5'_{6}"$ $3'_{4}"$ $5'_{6}"$ $3''_{4}"$	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Station Truss Type Unit per Unit Panels Lgth.(L _e) Unit Lgth.(L _e) No. Per Unit No. Lgth.(L ₁) Panels Lgth.(L ₁) Unit Lgth.(L ₁) Panels Lgth.(L ₁) Chord Horizontal, and Interior Diagonals at Midspan At Midspan Bolts 482+66.50 1-A 7 $32'-9l_{2}'''$ $4'-5'''$ 0 - - - $5''''''''''''''''''''''''''''''''''''$	Station Truss Type Truss Per Unit Unit Lgth.(Le) Panel Lgth.(P) Unit Per Unit Panel Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) Chord Horizontal, and Interior Diagonals at Midspan at Midspan at Midspan 482+66.50 I-A 7 $32'-92''$ $4'-5''$ 0 - - 5" $5_{6}''$ $2'_{2}''$ $5_{6}''$ $1.45''$ 6 $7_{8}'''$ $5_{6}''''''''''''''''''''''''''''''''''''$	Station Truss Type No. Panels per Unit per Unit Lgth.(L _e) No. Panels Lgth.(L _e) Unit Lgth.(L _e) Panel Lgth.(L _e) Chord Horizontal, and Interior Diagonals at Midspan at Midspan at Midspan 482+66.50 I-A 7 $32'-9'_2$ $4'-5''$ 0 - - - $5''_6$ $2'_2$ $5'_6$ $1.45''$ 6 $7''_6$ $5'_6$ $4''_4$ 495+10.00 III-A 7 $38'-9'_4$ $5'-3'_4$ 0 - - - $5''_6$ $2'_2$ $5'_6$ $0.91''_4$ 6 $7''_6$ $5'_6$ $4''_4$ 495+10.00 III-A 7 $38'-9'_4$ $5'-3'_4$ 0 - - - $5'_6$ $3'_4$ $5'_6$ $0.91''_4$ 6 $1''_6$ $5_6''_6$ $3'_4$ $5'_6$ $3'_4$ $5'_6$ $3'_4$ $5'_6$ $0.91''_4$ $6'_8$ $3'_8$ $4''_4$ 508+15.00 III-A 7 $38'-9'_4$ 1 4 $22'-10''_4$ $5'_4 3'_4$ $5'_6''_6''_6''_6''_6''_6''_6''_6''_6''_6$	Station Truss Type Unit per Unit per Unit per Unit Lgth.(L ₂) Panel Lgth.(L ₂) Unit Lgth.(L ₂) No. Panels Lgth.(L ₂) No. Panels Lgth.(L ₁) No. Panels Lgth.(L ₁) No. Lgth.(L ₁) Not

*See ITS plans for existing plans for relocated sign structure.



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		CHECKED - KJN	REVISED -	STATE OF ILLINOIS	OVEN
xxxxx_68620_03_atd2.dgn	PLOT SCALE =	DRAWN - MFB	REVISED -	DEPARTMENT OF TRANSPORTATION	
	PLOT DATE = 7/16/2012	CHECKED - KJN	REVISED -		



Vertical Diagonal



FOR TRUSS TYPES I-A SHEET NO. SS3 OF



<u>SPLICING FLANGES</u> ASTM B221, Alloy 6061-T6 or ASTM B209, Alloy 6061-T651 *To fit O.D. of Chord with maximum gap of l_{16} ".

TRUSS TYPES II-A & III-A

*Flange I.D.

Bolt Circle ϕ =

Flange O.D. = B

W/

ALUMINUM TRUSS DETAILS	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	e c
II_A AND III_A	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1623	à
, II-A AND III-A			CONTRACT	NO. 6	8620	1
SS32 SHEETS		ILLINOIS FED. AI	D PROJECT			Ľ

ÅΜ 7:32:53



Damper:	One dampe Aluminum ·	r per truss · 29'' minin	num betwe	minimum en ends o	Stockbridge f weights)	- Type Cost
	included in	Overhead	Sign Struci	ture		
Materials.	Matorials.	Aluminum	uboc chall	LO ASTM	R221 allow	6061

						10
STRUCTURE	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	201
EVICE	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1624	ù
		CONTRACT NO. 6862				
SS32 SHEETS	ILLINOIS FED. AID PROJECT					1



USER NAME = mbecker DESIGNED - MFB REVISED FILE NAME **OVERHEAD SIGN S** STATE OF ILLINOIS CHECKED - KJN REVISED SUPPORT FRAME FOR TYPE Ixxxx_68620_05_frml.dgn PLOT SCALE = DRAWN MFB REVISED **DEPARTMENT OF TRANSPORTATION** PLOT DATE = 7/16/2012 CHECKED -SHEET NO. SS5 OF S REVISED KJN

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria. Load combinations checked include deadload plus: a) 100% wind normal to sign, 20% parallel to sign b) 60% wind normal to sign, 30% parallel to sign

- (1) In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 μ in or less.
- (2) Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- (3) Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- (4) See General Notes for fasteners.
- 5 Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate,
- $(\widehat{6})$ "H" based on 15'-0'' or actual sign height, whichever is greater.

4′′ x 1′2′′, min. Continuous backing ring

within 1" of plumb

3'' Galvanized Steel Conduit, Thread and cap both ends.

Structure	Station	Sup	port	Н	
Number	51011011	Left	Right	6	A
4S090I155R031.9	17+68.62	X		26.12′	19.54′
4S090I155R031.9	17+68.62		X	27.02′	20.44′
4 <i>S090I155R031.2</i>	54+00.00	X		27.71′	21.13′
4 <i>S090I155R031.2</i>	54+00.00		X	27.71′	21.13′

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TRUCTURES	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	000
-A ALUMINUM TRUSS	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1625	i c
			CONTRACT	NO. 6	8620	
S32 SHEETS	ILLINOIS FED. AID PROJECT					Ľ



PLOT DATE = 7/16/2012

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SHEET NO. SS6 OF

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STRUCTURES	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	1000
- ALUMINUM TRUSS	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1626	ú
	CONTRACT NO. 68					1
SS32 SHEETS	ILLINOIS FED. AID PROJECT					1



Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.

Load combinations checked include deadload plus: a) 100% wind normal to sign, 20% parallel to sign

b) 60% wind normal to sign, 30% parallel to sign

- (1) In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 µin or less.
- (2) Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- (3) Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- (4) See General Notes for fasteners.
- 5 Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- (6) "H" based on 15'-O'' or actual sign height, whichever is greater.

ructure	Station	Sup,	port	Truss	Pipe Wall	н	
lumber	51011011	Left	Right	Туре	Thickness	6	A
01074L100.0	482+66.50	Х		I- A	0.279"	26.28'	19.70′
01074L100.0	482+66.50		X	I- A	0.279"	28.17'	21.59′
1074R100.3	498+50.00	Х		II-A	0.365"	25.64′	18.24′
1074R100.3	498+50.00		X	II-A	0.365"	28.09′	20.69′
1074R100.6	515+50.00	Х		II-A	0.365"	25.64′	18.24′
1074R100.6	515+50.00		X	II-A	0.365"	27.87'	20.47′

TRUCTURES		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
LIMINUM TRUSS	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1627	
			CONTRACT	NO. 6	8620	
S32 SHEETS	ILLINOIS FED. AID PROJECT					



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TRUCTURES	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	201
ALUMINUM TRUSS	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1628	ù
	CONTRACT NO. 686					1
S32 SHEETS	ILLINOIS FED. AID PROJECT					1



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ρ	el	

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.

Load combinations checked include deadload plus: a) 100% wind normal to sign, 20% parallel to sign b) 60% wind normal to sign, 30% parallel to sign

- (1) In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 μ in or less.
- (2) Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- (3) Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- (4) See General Notes for fasteners.
- (5) Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- (6) "H" based on 15'-0'' or actual sign height, whichever is greater.
- * For dynamic message sign installations, provide upper and lower handholes in both legs of each support frame.

Continuous backing ring

within 1" of plumb

3'' Galvanized Steel Conduit. Thread and cap both ends.

Structure	Station	Support		Pipe Wall	Н		
Number	51011011	Left	Right	Thickness	6	A	
4S090I074L100.3	495+10.00	X		0.33"	25.95′	16.80′	
4 <i>S090I074L100</i> .3	495+10.00		X	0.33"	28.12′	18.97′	
4S090I074L100 . 5	508+15.00	Х		0.33"	28.80'	19.65′	
4S090I074L100 . 5	508+15.00		X	0.33"	30.95′	21.80′	
4 <i>S090I074L104</i> .3							
Soo ITS plans for avi	ation plana for	rologato	d cian	atruatura			

IS plans for existing plans for relocated sign structure.

S – SUPPORT FRAME	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	201		
AINIIM TRUSS	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1629	6		
AINUM TRUSS	CONTRACT NO. 6862							
SS32 SHEETS	ILLINOIS FED. AID PROJECT					1		



DEPARTMENT OF TRANSPORTATION

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STRUCTURES	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	Ì
LA ALLIMINIUM TRUSS	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1630	
I-A ALOMINOM THO35			CONTRACT	NO. 6	8620	
SS32 SHEETS	ILLINOIS FED. AID PROJECT					
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SHEET NO. SS11 OF

PLOT DATE = 7/16/2012

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WF(A-N)4x1.79 or WF(A-N)4x3.06 ASTM B308, Alloy 6061-T6							
Sign V	Sign Width						
Greater Than	Less Than or Equal To	Brackets Required					
	8'-0''	2					
8'-0''	14'-0''	3					
14'-0''	20'-0''	4					
20'-0''	26'-0''	5					
26'-0''	32'-0''	6					

- f = 12" maximum, 4" minimum (End of sign to € of nearest bracket)

						0
TRUCTURES	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	201
VAY DETAILS	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1631	ù
			CONTRACT	NO. 6	8620	5
SS32 SHEETS		ILLINOIS FED. AI	D PROJECT			

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SHEET NO. SS12 OF

	l l							
STRUCTURES	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	e c		
WAY DETAILS FOR DMS	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1632	à		
WAT DETAILS FOIL DINS		CONTRACT NO. 6862				1		
SS32 SHEETS		ILLINOIS FED. AID PROJECT				Ľ		

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CONTRACT NO. 68620 SHEET NO. SS14 OF SS32 SHEETS





PLOT DATE = 7/16/2012

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SHEET NO. SS16 OF

STRUCTURES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
RAIL DETAILS FOR DMS	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1636	
	CONTRACT NO. 6862					
SS32 SHEETS	ILLINOIS FED. AID PROJECT					


SHEET NO. SS17 OF S

BAR LIST - EACH FOUNDATION

₩(E) 16 #9 F less 5''	Bar	Number	Size	Length	Shape
	V4 (E)	16	#9	F less 5"	
#4 bar spiral (E) - see Side Elevation	#4 b	ar spiral (E) - see	Side Elevation	on

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the

the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference. No sonotubes or decomposable forms shall be used below the lower conduit entrance.

Permanent metal forms or other shielding may not be left in place below that elevation

Backfill shall be placed per Article 502 of Standard Specification and prior to erection

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included

	Right Fo	oundation			Class DS
วก	Elevation Bottom	A	В	F	Concrete (Cu. Yds.)
)	717.40	3.0'	14.5'	17.5′	6.4
)	703.30	3.0'	13.5'	<i>16.5′</i>	12.0
	1	1			

TRUCTURES	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DETAILS	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1637
BETAES			CONTRACT	NO. 6	8620
S32 SHEETS	ILLINDIS FED. AID PROJE				

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SHEET NO. SS18 OF S

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	
#4 ba	ar spiral (i	E) - see :	Side Elevatio	n

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference. No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation

Backfill shall be placed per Article 502 of Standard Specification and prior to erection

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included

	Right Fo	oundation			Class DS
ion	Elevation Bottom	A	В	F	Concrete (Cu. Yds.)
5	711.95	3.0'	16.5′	<i>19.5′</i>	10.2
9	715,19	3.0′	17.5′	20.51	10.7
)	709.90	3.0'	25.0′	28.0′	14.7

TRUCTURES	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	i i	
DETAILS	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1638	6	
DETAILS			CONTRACT	NO. 6	8620		
SS32 SHEETS	ILLINOIS FED. AID PROJECT					Ľ	



SHEET NO. SS19 OF S

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PLOT DATE = 7/16/2012

BAR LIST - EACH FOUNDATION

Bar	ar Number Size		Length	Shape
V4(E)	24	#9	F less 5"	
#4 ba	ar spiral (i	E) - see :	Side Elevatio	ก

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference. No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation

Backfill shall be placed per Article 502 of Standard Specification and prior to erection

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included

	Right Fo	oundation			Class DS
ion	Elevation Bottom	А	В	F	Concrete (Cu. Yds.)
2	713.92	3.0'	18.0′	21.0'	11.0
6	717.86	3.0'	18.0′	21.01	11.0
	**	3.0'	18.0′	21.01	22.0

TRUCTURES	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	i i	
DETAILS	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1639	6	
DETAILS			CONTRACT	NO. 6	8620		
SS32 SHEETS	ILLINOIS FED. AID PROJECT					Ľ	



	Bar	Number	Size	Length	Shape	
/2	h(E)	10	#5	M less 4″		
	s(E)	Varies	#5	Varies		<u>6″¢ and 8″¢</u>
2"	v(E)	16	#9	F less 0'-5''		Support Frame
3 ₄ ''	v(E)	24	#9	F less 0'-5''		√ 10″ \$\u03c6 and 12″ \$
2"						Support Frame
911						
	#4(E,) bar spira	al <u>see</u> S	ide Elevation		

		Right Foundation					
F	Elevation Top	Elevation Bottom	В	F	Concrete (Cu. Yds.)		
21.42′	-	-	-	-	16.8		
22.92′	-	-	-	-	18.2		
22.42′	-	-	-	-	17.4		
22.92′	-	-	-	-	18.2		
29.92′	-	-	-	-	21.3		
18 . 85′	-	-	-	-	10.9		

STRUCTURES	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	Ċ	
IDATION DETAILS		90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1640	ć	
			CONTRACT	NO. 6	8620		
SS32 SHEETS	ILLINOIS FED. AID PROJECT				Ľ		

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, *Luminaires and Traffic Signals.* ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

DESIGN STRESSES: Field Units f'c = 3,500 p.s.i. fy = 60,000 p.s.i. (reinforcement)

Total

Sign Area

179 SF

124 SF

-∉ Upper Chord

Bottom of

Rase Plate

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specificiations.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240. Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer. The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction, Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Bridge Seat Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.



DRILLED SHAFT



consideration should be given to attaching temporary blank sign panels to the structure.

Alfred Benesch & Compan benesch, 205 North Michigan Avenue, Suite 2400 Chicago, Illinois 60601

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xxxxxx_68620_21_gpe2.dgn	PLOT SCALE =	DRAWN - MFB	REVISED -	DEPARTMENT OF TRANSPORTATION	ALUMINUM TRUSS 8
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Desiar

Truss

Туре

III-C-A

I-C-A

Station

541+22.02

47+50.00

- C - A

'- C - A

III-C-A

Structure

Number

Cantileve.

Length

(L)

32

24

Truss Type Maximum Sign Area Maximum Length

170 Sq. Ft.

340 Sq. Ft.

400 Sq. Ft.

30 p.s.f. on

Maximum Sign Area

(See Table)

Maximum Length (See Table)

DESIGN WIND LOADING DIAGRAM

Installations not within dimensional limits shown

require special analysis for all components.

Note:

of the trusses.

Parameters shown are basis for LD.O.T. Standards

Elev. A

730.23

25 Ft.

30 Ft.

40 Ft.

10 p.s.f.

TIRSIAN TIRSIA

Trusses shall be shipped individually with adequate provision

to prevent detrimental motion during transport. This may

require ropes between horizontals and diagonals or energy

dissipating (elastic) ties to the vehicle. The contractor is

(1) After adjustments to level truss and insure adequate vertical clearance, all top and leveling nuts shall be tightened against the base plate with a minimum toraue of 200 lb.-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel banding.

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as

suitable for galvanizing and welding.

responsible for maintaining the configuration and protection

722.43

Dim. D

17.50

12.50

Ds

10.5

10.5

GENERAL NOTES

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

FOUNDATIONS: The contract unit price for Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
STRUCTURE CANTILEVER TYPE I-C-A	Foot	24
STRUCTURE CANTILEVER TYPE II-C-A	Foot	0
STRUCTURE CANTILEVER TYPE III-C-A	Foot	32
STRUCTURE WALKWAY, TYPE A	Foot	0
CONCRETE FOUNDATIONS	Cu. Yds.	14.1

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ENERAL PLAN & ELEVATION	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	201
& STEEL POST	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1641	6
			CONTRACT	NO. 6	8620	2
SS32 SHEETS		ILLINOIS FED. AI	D PROJECT			







Aluminum Cantileve. Sign Structure

<u>GENERAL NOTES</u>

Damper:

One damper per truss. (31 lbs. Stockbridge-Type Aluminum-29'' minimum between ends of weights)

Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6

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STRUCTURE	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	201
EVICE	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1643	6
			CONTRACT	NO. 6	8620	12
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S – JUNCTURE DETAILS	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	201
R STEEL POST	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1644	9
x 31222 1 031	CONTRACT NO. 68620					1
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SUPPORT POST – ALUMINUM

6 – TYPE I–C–A TRUSS TRUSS & STEEL POST	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	201
TRUSS & STEEL POST	74	74 90-[14R;(14HB-4,14,14HVB)BR] TAZEWELL 2433				
TRUSS & STEEL FUST		CONTRACT NO. 68620				
SS32 SHEETS		ILLINOIS FED. AI	D PROJECT			



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– TYPE II–C–A & III–C–A	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	201
IIM THISS & STEEL DOST	74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1646	ù
			CONTRACT	NO. 6	8620	1/
SS32 SHEETS		ILLINOIS FED. AI	D PROJECT			

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NOTES

The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown in the Foundation Data Table will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

	FOUNDATION DESIGN TABLE								
Truss Type	Post Base Sheet	Maximum CantileverLength (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anch No.	or Rods Diameter (in)	Anchor Rod Circle Diameter (in)	
I-C-A	0SC - A - 4	25	170	3.0	16.0	8	2	22	
II-C-A	0SC-A-5	30	170	3.5	17.0	12	2	30	
II-C-A	0SC-A-5	30	340	3.5	21.5	12	2	30	
III-C-A	0SC-A-5	35	170	3.5	19.0	12	2	30	
III-C-A	0SC-A-5	35	250	3.5	22.5	12	2	30	
III-C-A	0SC-A-5	35	400	3.5	26.5	12	2	30	
III-C-A	0SC-A-5	40	400	3.5	32.0	12	2	30	

	FOUNDATION DATA TABLE								
Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Qu	A		
4C090I074L101.1	541+22.02	III-C-A	3.5	731.18	706.68	2.32	3.0'		
4C090LMORL102.2	47+50.00	I-C-A	3.0	723.80	704.80	1.55	3.0'		

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	angineers scientists planners	212 565 0

nesch & Company Michigan Avenue, Suite 2400 Illindis 60601 JdsD 6056 Jds 7 - A - 9

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STRUCTURES	74	90-[14R;(14HB-4,14,14HVB)BR	TAZEWELL	2433	1649	
STRUCTURES			CONTRACT	NO. 6	8620	
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PROPOSED SIGN TRUSS SB MORTON AVE STA 47+50.00 STR 4C090LM0RL102.2 (LOOKING SOUTH)



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TEMPORARY TRAFFIC SIGNAL CONSTRUCTION NOTES

- T1. THE CONTRACTOR SHALL PROVIDE AND INSTALL EQUIPMENT WITH RESPECT TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THIS SHALL INCLUDE ALL CABLES, CONDUIT, WOOD POLES, GUY WIRE, VIDEO DETECTION, SERVICE, 4 250W HPS LUMINAIRES WITH PHOTOCELL CONTROL, AND ALL OTHER EQUIPMENT EQUIPMENT AND EQUIPMENT REPAIR AND MAINTENANCE.
- T2. A FOUR CAMERA VEHICLE VIDEO DETECTION SYSTEM SHALL BE USED TO PROVIDE DETECTION FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE CONTRACTOR SHALL FURNISH
- T3. AERIAL TRAFFIC SIGNAL CABLE SHALL BE FURNISHED AND INSTALLED AS SHOWN ON THE PLAN SHEETS.
- Τ4.
- T5. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" LENSES. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE PLANS Τ6. OR DIRECTED BY THE ENGINEER.
- T7. THE CONTRACTOR SHALL FURNISH ENOUGH SLACK CABLE TO RELOCATE THE HEADS TO ANY POSITION REQUIRED FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS.
- THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED Τ8. TO RELOCATE THE TEMPORARY TRAFFIC SIGNAL HEADS IN ACCORDANCE WITH THE PROPOSED CONSTRUCTION STAGING.
- THE TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL APPLICABLE MUTCD Τ9. STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING THE VIDEO DETECTION SYSTEM T10.
- SHALL BE INCLUDED IN THE PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- T12. SHALL BECOME THE PROPERTY OF THE DEPARTMENT AND SHALL BE DELIVERED IN FULL PEORIA. THE CONTRACTOR SHALL NOTIFY PAUL GRANT AT (309)259-7481 FORTY EIGHT HOURS PRIOR TO DELIVERY.

THE CONTRACTOR SH
POLES, GUY WIRES,
EQUIPMENT WITH TH
CONSTRUCTION STAG
AND OVERHEAD UTIL

TEMPORARY WOOD POLE \bowtie

REQUIRED FOR THE INSTALLATION. THE DEPARTMENT WILL SUPPLY CONTROLLER CABINETS AND SIGNAL HEADS TO THE CONTRACTOR FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION IF NEEDED. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH TRANSPORTING A FOUR CAMERA VIDEO DETECTION SYSTEM (CAMERAS WITH BRACKETS AND PROCESSOR) FOR USE WITH THE TEMPORARY INSTALLATION. THE CONTRACTOR SHALL FURNISH ALL CABLE, HARDWARE , BRACKETS, AND ACCESSORIES REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. THE TEMPORARY TRAFFIC SIGNAL SPAN WIRES AND CABLES SHALL BE ATTACHED TO THE WOOD POLES IN A MANNER APPROVED BY THE ENGINEER. ALL CABLES SHALL MAINTAIN A 18 FT. MINIMUM CLEARANCE ABOVE THE HIGHEST POINT OF THE ROADWAY.

TO ACCOMMODATE CONSTRUCTION STAGING (INCLUDING CAMERA AIMING AND PROGRAMMING). T11. ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLY WITH THESE REQUIREMENTS UPON REMOVAL OF THE TEMPORARY TRAFFIC SIGNALS, THE VIDEO DETECTION SYSTEM WORKING CONDITION TO THE IDOT TRAFFIC BUILDING LOCATED AT 1025 W. DETWEILLER DR.,

> ALL COORDINATE THE PLACEMENT OF WOOD AND OTHER TEMPORARY TRAFFIC SIGNAL E ENGINEER TO PREVENT CONFLICTS WITH SING. PROPOSED TRAFFIC SIGNAL STRUCTURES. ITIES.

TEMPORARY TRAFFIC SIGNAL LEGEND

- - TEMPORARY TRAFFIC SIGNAL SPAN WIRE AND CABLE -> TEMPORARY TRAFFIC SIGNAL HEAD +> TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE +> TEMPORARY PEDESTRIAN SIGNAL HEAD TEMPORARY VIDEO CAMERA (FURNISHED BY DEPT.) TEMPORARY LUMINAIRE, 250W HPS, MULTI-MOUNT, 45 FT. MOUNTING HEIGHT



L	E AND PHASE	DIAGRAMS	F.A.I. RTE.	SECT 90-[14R;(14HB-/	'ION 4,14,14H	VB)BR]	COUNTY	TOTAL SHEETS 2433	SHEET NO. 1654
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TEMPORARY TRAFFIC SIGNAL CONSTRUCTION NOTES

- T1. THE CONTRACTOR SHALL PROVIDE AND INSTALL EQUIPMENT WITH RESPECT TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THIS SHALL INCLUDE ALL CABLES, CONDUIT, WOOD POLES, GUY WIRE, VIDEO DETECTION, SERVICE, 4 250W HPS LUMINAIRES WITH PHOTOCELL CONTROL, AND ALL OTHER EQUIPMENT THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH TRANSPORTING EQUIPMENT AND EQUIPMENT REPAIR AND MAINTENANCE.
- A FOUR CAMERA VEHICLE VIDEO DETECTION SYSTEM SHALL BE USED TO PROVIDE DETECTION Τ2. FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE CONTRACTOR SHALL FURNISH A FOUR CAMERA VIDEO DETECTION SYSTEM (CAMERAS WITH BRACKETS AND PROCESSOR) FOR USE WITH THE TEMPORARY INSTALLATION. THE CONTRACTOR SHALL FURNISH ALL CABLE, HARDWARE, BRACKETS, AND ACCESSORIES REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. AERIAL TRAFFIC SIGNAL CABLE SHALL BE FURNISHED AND INSTALLED AS SHOWN ΤЗ.
- ON THE PLAN SHEETS. THE TEMPORARY TRAFFIC SIGNAL SPAN WIRES AND CABLES SHALL BE ATTACHED TO THE WOOD Τ4.
- ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" LENSES. Τ5. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE PLANS Τ6.
- OR DIRECTED BY THE ENGINEER. T7. THE CONTRACTOR SHALL FURNISH ENOUGH SLACK CABLE TO RELOCATE THE HEADS TO ANY POSITION REQUIRED FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC
- T8. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED TO RELOCATE THE TEMPORARY TRAFFIC SIGNAL HEADS IN ACCORDANCE WITH THE PROPOSED CONSTRUCTION STAGING.
- THE TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL APPLICABLE MUTCD Τ9. STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING THE VIDEO DETECTION SYSTEM T10. TO ACCOMMODATE CONSTRUCTION STAGING (INCLUDING CAMERA AIMING AND PROGRAMMING).
- SHALL BE INCLUDED IN THE PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- T12. SHALL BECOME THE PROPERTY OF THE DEPARTMENT AND SHALL BE DELIVERED IN FULL WORKING CONDITION TO THE IDOT TRAFFIC BUILDING LOCATED AT 1025 W. DETWEILLER DR., PEORIA. THE CONTRACTOR SHALL NOTIFY PAUL GRANT AT (309)259-7481 FORTY EIGHT HOURS PRIOR TO DELIVERY.

THE CONTRACTOR SHALL COORDINATE THE PLACEMENT OF WOOD POLES, GUY WIRES, AND OTHER TEMPORARY TRAFFIC SIGNAL EQUIPMENT WITH THE ENGINEER TO PREVENT CONFLICTS WITH CONSTRUCTION STAGING, PROPOSED TRAFFIC SIGNAL STRUCTURES, AND OVERHEAD UTILITIES.

TEMPORARY TRAFFIC SIGNAL LEGEND

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	TEMPORARY	WOOD
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REQUIRED FOR THE INSTALLATION. THE DEPARTMENT WILL SUPPLY CONTROLLER CABINETS AND SIGNAL HEADS TO THE CONTRACTOR FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION IF NEEDED. POLES IN A MANNER APPROVED BY THE ENGINEER. ALL CABLES SHALL MAINTAIN A 18 FT. MINIMUM CLEARANCE ABOVE THE HIGHEST POINT OF THE ROADWAY. SIGNALS SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS.

ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLY WITH THESE REQUIREMENTS UPON REMOVAL OF THE TEMPORARY TRAFFIC SIGNALS, THE VIDEO DETECTION SYSTEM

> FFIC SIGNAL SPAN WIRE AND CABLE D POLE FFIC SIGNAL HEAD FFIC SIGNAL HEAD WITH BACKPLATE ESTRIAN SIGNAL HEAD EO CAMERA (FURNISHED BY DEPT.) IINAIRE, 250W HPS, MULTI-MOUNT, IG HEIGHT



ELECTRICAL GENERAL NOTES

- 1. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
- 2. THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 16 FT. MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
- 3. THE PROPOSED MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE MOUNTED DIRECTLY OVER THE CENTER OF THEIR RESPECTIVE LANES.
- 4. ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE ALUMINUM WITH A NATURAL FINISH.
- 5. ALL TRAFFIC SIGNAL POSTS ARE TO BE GALVANIZED STEEL.
- 6. THE #18 3-PAIR TWISTED/SHIELDED CABLE SHALL HAVE THE SAME SLACK AS OTHER SIGNAL CABLE AND WILL BE MEASURED FOR PAYMENT.
- 7. ALL DETECTOR LOOPS SHALL UTILIZE A SEPARATE PAIR OF LEAD-INS.
- 8. A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
- 9. THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE EXISTING PAVEMENT, MILLED SURFACE, OR BINDER COURSE BEFORE THE FINAL OVERLAY. THE RISER AREA SHALL BE CHIPPED OUT AND FILLED WITH EPOXY. THIS WORK SHALL BE INCLUDED IN PRICE FOR DETECTOR LOOPS.
- 10. ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR VERIFICATION OF DETECTOR PLACEMENT BEFORE INSTALLATION.
- 11. PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.
- 12. THE HANDHOLE SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
- 13. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY TRAFFIC SIGNAL COMPONENTS.
- 14. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.
- 15. THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED SO THAT THE DOOR IS FACING AWAY FROM TRAFFIC.
- 16. THE DOUBLE HANDHOLE SHALL NOT BE USED IN LIEU OF THE CONTROLLER FOUNDATION PAD.
- 17. THE LOCATIONS FOR HANDHOLES, TRAFFIC SIGNAL POST FOUNDATIONS, AND MAST ARM FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERFICATION BEFORE INSTALLATION.
- 18. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATION.
- 19. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- 20. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
- 21. ALL TRAFFIC SIGNAL MAST ARMS, POSTS, HANDHOLE LIDS AND RINGS, HANDHOLE FRAMES, CONTROLLER CABINETS, AND PHOTOCELL RELAYS SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS.
- 22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING DEPARTMENT LIGHTING, ITS, AND TRAFFIC SIGNAL FACILITIES. THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE.

FILE NAME =	DESIGNED - LDC	REVISED -	. Voo	karkia	20 Telledgen, Star (St			TRAFFIC SIGNAL			F.A.J	SECTION	COUNTY	TOTAL	SHEET
\D468620-sht-tsl.dgn	DRAWN - SMS	REVISED -		SKASKIA	68.101.0077 pines 68.101.0077 pine	STATE OF ILLINOIS		CENERAL NOTES AN	n details		•	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1657
USER NAME = IDOT	CHECKED - GEB	REVISED -	🕅 🍡 🏣	NEW CONTRACTIONS		DEPARTMENT OF TRANSPORTATION		GENERAL NOTES AN	DULIAILS				CONTRACT	T NO. 68	3620
PLOT DATE = 7/16/2012	DATE - JULY 20, 2012	REVISED -	V 🖬	Andread Region stars (Serry	20-3000335		SCALE:	SHEET NO. 1 OF 8 SHEETS	STA.	TO STA.		ILLINOIS FED. AID	PROJECT		
												74 & 155			-



(\mathbb{A})

FURNISH & INSTALL TWO (2) EACH SIGN

SIGN BACKGROUND : WHITE SIGN LETTERING: BLACK

> DETAIL OF SIGN PANEL - TYPE 1 (NOT TO SCALE)

SUMMARY OF	QUA	NTITIES		
ITEM	UNIT	TOTAL QUANTITIES	I-74 EB & MORTON AVE	I-74 WB & MORTON AVE
SIGN PANEL - TYPE 1	SQ FT	10	10	
UNDERGROUND CONDUIT PVC. 2" DIA	FOOT	3 129	1269	1 860
UNDERGROUND CONDUIT PVC, 3" DIA	FOOT	200	181	19
	FOOT	433	162	271
	FACH	13	8	5
	EACH	10		1
	EACH	2	1	1
	LAGIT	2	I	1
USE) 1/C NO. 6	FOOT	1,831	1024	807
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,566	1,106	1,460
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 147C	FOOT	893	784	109
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	2,627	1,280	1,347
ELECTRIC CABLE IN CONDUIT, COMMUNICATION	FOOT	913	449	464
TRAFFIC SIGNAL POST GALVANIZED STEEL 15 FT	FACH	5	3	2
STEEL MAST ADM ASSEMBLY AND DOLE 60 ET	EACH	1	1	2
	LAUN		1	
DUAL MAST ARMS, 20 FT. AND 36 FT.	EACH	1		1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1		1
STEEL COMBINATION MAST ARM ASSEMBLY AND	EACH	1	1	
	FOOT	15	9	6
	FOOT	7	3.5	3.5
	FOOT	39	14	25
	FOOT	21	21	20
	EACH	1	21	1
SIGNAL HEAD LED 1 FACE 3 SECTION MAST ARM	LAGIT	1		
MOUNTED	EACH	12	7	5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5	2	3
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3	2	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET	EACH	2	2	
TRAFFIC SIGNAL BACKPLATE LOUVERED PLASTIC	FACH	19	12	7
	FACH	15	9	6
	FOOT	1 444	906	538
	FACH	1,444	2000	2
	FACH	2	1	1
	EACH	2	1	1
	FACH	1	1	
TRAFFIC SIGNAL BATTERY BACKLID SYSTEM	FACH	1	1	1
FULL-ACTUATED CONTROLLER AND TYPE IV	EACH	1	1	1
CABINET SPECIAL	EACH	1	1	

DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE I-74 EB AND MORTON AVE								
DETECTOR LOOP	TYPE	TYPE DETECTOR DETECTOR ASSIGNED CHANNELS LOOP QTY. LEAD-IN QTY. PHASE REQUIRED						
D-2A	6' X 6'	24	37	2	1			
D-2B	6' X 6'	24	25	2	1			
D-2C	6' X 6'	24	13	2	1			
D-6A	6' X 6'	24	14	6	1			
D-6B	6' X 6'	24	3	6	1			
D-7A	6' X 50' QUAD	162	14	7	1			
D-7B	6' X 50' QUAD	162	4	7	1			
D-5A	6' X 50' QUAD	162	20	5	1			
D-5B	6' X 50' QUAD	162	8	5	1			
TOT	TAL:	768	138		9			

SCHEDULE OF SIGNAL HEADS I-74 EB AND MORTON AVE						
QTY.	QTY. UNIT ITEM LOCATION					
2	EACH	SH, LED, 1F, 3-SEC, BM	9,12			
7	EACH	SH, LED, 1F, 3-SEC, MAM	1,2,3,4,10,11,13			
2	EACH	SH, LED, 1F, 4-SEC, BM	5,7			
2	EACH	SH, LED, 1F, 5-SEC, BM	6,8			
12	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED	1,2,3,4,5,6,7,8,9,10,11,13			

SCHEDULE OF POST & MAST ARM ASSEMBLIES I-74 EB AND MORTON AVE							
REF.	LOCATION	TYPE	LENGTH	FOUNDATION DEPTH			
MA-1	NORTHEAST QUADRANT	S C MAA & P DMA	48.0 FT.	14.0 FT			
	NORTHEAST QUADRANT	S C MAA & P DMA	36.0 FT.				
MA-2	SOUTHWEST QUADRANT	S MAA & P	60.0 FT.	21.0 FT.			
TSP-1	EAST ISLAND	TS POST GALVS 15	15.0 FT.	3.0 FT.			
TSP-2	SOUTH MEDIAN	TS POST GALVS 15	15.0 FT.	3.0 FT.			
TSP-3	SOUTH MEDIAN	TS POST GALVS 15	15.0 FT.	3.0 FT.			

SCHEDULE OF HANDHOLE QUANTITIES I-74 EB AND MORTON AVE						
REF.	REF. LOCATION TYPE					
DHH-1	SOUTHWEST QUADRANT	DOUBLE				
HH-2	NORTHEAST QUADRANT	STANDARD				
HH-3	EAST ISLAND	STANDARD				
HH-4	SOUTH MEDIAN	STANDARD				
HH-5	SOUTHBOUND ADV. LOOPS	STANDARD				
HH-6	ADJACENT TO I-74 WB	STANDARD				
HH-7	ADJACENT TO I-74 EB	STANDARD				
HH-8	NORTHWEST QUADRANT	STANDARD				
HH-9	NORTHBOUND ADV. LOOPS	STANDARD				

I-74 WB AND MORTON AVE						
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE	CHANNELS REQUIRED	
D-2A	6' X 6'	24	15	2	1	
D-2B	6' X 6'	24	4	2	1	
D-3A	6' X 50' QUAD	162	65	3	1	
D-3B	6' X 50' QUAD	162	14	3	1	
D-6A	6' X 6'	24	15	6	1	
D-6B	6' X 6'	24	5	6	1	
TOTAL:		420	118		6	

QTY.	UNIT	
3	EACH	S⊦
5	EACH	S⊦
1	EACH	S⊦
7	EACH	TR

REF.	
MA-1	NORTH
MA-2	SOUTH
	SOUTH
TSP-1	ш
TSP-2	NC

S	CHEDU I-7
REF.	
DHH-1	NO
HH-2	SOL
HH-3	
HH-4	
HH-5	SOU
HH-6	NOR
HH-7	SO

FILE NAME =	DESIGNED - LDC	REVISED -	. Vachadria	10 Tellin System, Baller (11)			TRAFFIC SIGNAL	DIAN		F.A.J	SECTION	COUNTY	TOTAL S	SHEET		
\D468620-sht-ts1.dgn	DRAWN - SMS	REVISED -		619.303.0077 plans 619.303.0077 plan	STATE OF ILLINOIS			NITITIEC		•	90-[14R:(14HB-4-14-14HVB)BR1	TAZEWELL	2433	1658		
USER NAME = IDOT	CHECKED - GEB	REVISED -	nonmous wanterious	Technical Local View Concerning C	PROFESSIONAL AND ADDRESS ACCOUNTS	DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION		SCHEDULE OF UU	AMIIIEƏ				CONTRACT	[NO. 68	3620
PLOT DATE = 7/16/2012	DATE - JULY 20, 2012	REVISED -	V Resident Register 20 100077			Maria Dadarini Dadar Nun. 19449978 Padadaal Najiradag Goog. 20-000005	/ Black Deducted Deign Ren. 19440973 Pediatani Representg George 20-000000		SCALE: 1"=20" SHEET NO. 2 OF 8 SHEETS STA. TO STA.			ILLINOIS FED. AID	PROJECT			
											74 & 155					

DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE

SCHEDULE OF SIGNAL HEADS I-74 WB AND MORTON AVE	
ITEM	LOCATION
H, LED, 1F, 3-SEC, BM	3,7,9
H, LED, 1F, 3-SEC, MAM	1,2,5,6,8
H, LED, 1F, 4-SEC, BM	4
RAFFIC SIGNAL BACKPLATE, LOUVERED	1,2,4,5,6,8,9

SCHEDULE OF POST & MAST ARM ASSEMBLIES I-74 WB AND MORTON AVE							
LOCATION	TYPE	LENGTH	FOUNDATION DEPTH				
HEAST QUADRANT	S C MAA & P	46.0 FT.	13.0 FT.				
HWEST QUADRANT	S MAA & P DMA	36.0 FT.	12.0 FT.				
HWEST QUADRANT	S MAA & P DMA	20.0 FT.					
EAST ISLAND	TS POST GALVS 15	15.0 FT.	3.0 FT.				
IORTH MEDIAN	TS POST GALVS 15	15.0 FT.	3.0 FT.				

ULE OF HANDHOLE QUANTITIES -74 WB AND MORTON AVE				
LOCATION	TYPE			
ORTHEAST QUADRANT	DOUBLE			

THWEST QUADRANT	STANDARD
EAST ISLAND	STANDARD
NORTH MEDIAN	STANDARD
HBOUND ADV. LOOPS	HEAVY DUTY
HBOUND ADV. LOOPS	STANDARD
JTHEAST QUADRANT	STANDARD



MORTON AVE.		•	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1659
		_		CONTRACT	NO. 6	8620
STA.	TO STA.		ILLINOIS FED. A	D PROJECT		
		• 7	4 & 155			

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	- ELECTRIC CABLE IN CONDUIT
5/C	INDICATES NUMBER OF CONDUCTORS IN CABLE
-#-	PROPOSED SERVICE INSTALLATION
*6	INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)
\mathbf{v}	VIDEO VEHICLE DETECTION SYSTEM

D PHASE DIAGRAMS MORTON AVE		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		•	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1660			
					CONTRACT	NO.6	8620		
	STA.	TO STA.		ILLINOIS FED. AID PROJECT					
			• 74	& 155					



SI	SIGNAL POST DETAILS		F.A.I. RTE	SEC.	TION		COUNTY	TOTAL SHEETS	SHEET NO.
MORTON AVE.		•	 90-[14R;(14HB-4,14,14HVB)BF 			TAZEWELL	2433	1661	
							CONTRACT	NO. 6	8620
	STA.	TO STA.			ILLINOIS	FED. AID	PROJECT		
			• 74	8 155					



•	74	&	155

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SMS	REVISED -			61.101.007 pins 61.101.007 jan	STATE OF ILLINOIS	in	1_7/ WR DAMDS & N
GEB	REVISED -	W) `		LICENSEINS.	DEPARTMENT OF TRANSPORTATION		1-74 WD HAMF3 & N.
JULY 20, 2012	REVISED -	V	Productional Regimenting Corrup	20-5000204		SCALE:	SHEET NO. 7 OF 8 SHEETS

PLOT DATE = 7/16/2012

DATE

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SEE LIGHTING SHEETS FOR ADDITIONAL INFORMATION

	 ELECTRIC CABLE IN CONDUIT
5/C	INDICATES NUMBER OF CONDUCTORS IN CABLE
-#-	PROPOSED SERVICE INSTALLATION
*6	INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)
\mathbf{v}	VIDEO VEHICLE DETECTION SYSTEM

D PHASE DIAGRAMS . MORTON AVE.		F.A.I. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
		•	90-[14R;(14HB-4,14,1	4HVB)BR]	TAZEWELL	2433	1663	
					CONTRACT	NO. 6	8620	
	STA.	TO STA.	ILLINOIS FED. AID PROJECT					
			• 74	& 155				



PLOT DATE = 7/16/2012

- JULY 20, 2012

DATE

REVISED

SIGNAL POST DETAILS I. MORTON AVE.		F.A.I. RTE.	SECT	LION		COUNTY	TOTAL SHEETS	SHEET NO.	
		•	90-[14R;(14HB-	4 . 14 . 14H	VB)BR]	TAZEWELL	2433	1664	
		_				CONTRACT	NO. 6	8620	
	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		
			• 74	& 155					

ITEM DESCRIPTION	UNIT	TOTAL QTY.
IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2
ATTENUATOR BASE	SQ YD	102
ELECTRIC SERVICE INSTALLATION	EACH	1
SERVICE INSTALLATION, TYPE B	EACH	2
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	45,711
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	17,088
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	230
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1,120
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
HEAVY-DUTY HANDHOLE	EACH	20
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	9,653
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	5,342
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60.0
DRILL EXISTING HANDHOLE	EACH	5.0
TRAFFIC COUNTER	EACH	5
DATA NETWORK PORT ADAPTER	EACH	8
POLE MOUNTED EQUIPMENT CABINET, TYPE B	EACH	2
TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN	EACH	1
CAT 5 ETHERNET CABLE	FOOT	249
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	4
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED (MATERIAL ONLY)	EACH	3
CELLULAR MODEM	EACH	2
SUPPORT EQUIPMENT AND MAINTENANCE	LSUM	1
CAMERA POLE, 55 FT	EACH	3
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	EACH	17,729
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	13
CONCRETE FOUNDATION (SPECIAL)	FOOT	11
COMMUNICATIONS VAULT	EACH	6
RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1
CABINET, MODEL 334	EACH	3
WIRELESS ETHERNET RADIO	EACH	1
TRAFFIC COUNTER POST, GALVANIZED STEEL	EACH	4
RELOCATE OVERHEAD SIGN STRUCTURE - SPAN, SPECIAL	LSUM	1

				CONSTRUCTION NOTES		
	1.	THE CONTRACTOR SHALL FIELD	VERIFY THE LOCATION OF A	LL UTILITIES AND PRIVATELY C	OWNED FACILITIES PRIOR TO THE INSTALLATION OF ANY	
		COMPONENTS. THE CONTRACT	FOR SHALL VERIFY EXISTING I	FIELD CONDITIONS PRIOR TO C	COMMENCING WORK ON THE PROJECT.	
	2.	THE CONTRACTOR SHALL BE RE	ESPONSIBLE FOR LOCATING	EXISTING IDOT ELECTRICAL FA	CILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE	
		CONTRACTOR SHALL ALSO BE	LIABLE FOR ANY DAMAGE TO	IDOT FACILITIES RESULTING F	ROM INACCURATE LOCATING.	
	3.	ELECTRICAL WORK SHALL CON	FORM WITH NATIONAL, STATE	E, AND LOCAL CODES.		
	4.	THE CONTRACTOR SHALL PROV	/IDE ELECTRICAL CABLE SLAG	CK IN ACCORDANCE WITH ART	ICLE 873.03 UNLESS SPECIFIED OTHERWISE.	
	5.	ELECTRICAL CABLE WILL BE ME	EASURED FOR PAYMENT IN A	CCORDANCE WITH ARTICLE 87	73.04.	
	6.	ALL SURPLUS MATERIALS SHAL	L BE DISPOSED OF IN ACCO	RDANCE WITH ARTICLE 202.03	OF THE STANDARD SPECIFICATION.	
	7.	THE LOCATIONS FOR CAMERA I	POLES, TRAFFIC COUNTER PO	DLES, AND CONCRETE FOUND	ATIONS ARE PROVIDED FOR REFERENCE ONLY. THE	
		ENGINEER OF TRAFFIC SHALL E	BE NOTIFIED FOR LOCATION V	ERIFICATION BEFORE INSTALL	ATION.	
	8.	THE COMMUNICATION VAULTS A	AND CONCRETE HANDHOLES	SHALL BE CONSTRUCTED SO	THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE	
		SURFACE OF THE MEDIAN, SIDE	EWALK, OR GROUND LINE. C	OMMUNICATION VAULTS AND H	HANDHOLES SHALL BE INSTALLED AT 1200 FOOT INTERVALS.	
	9.	COILABLE POLYETHYLENE DUC	T MAY BE SUBSTITUTED FOR	UNDERGROUND CONDUIT.		
	10.	POTHOLING TO LOCATE EXISTIN	IG UNDERGROUND UTILITIES S	SHALL BE INCLUDED IN THE CO	ONTRACT BID PRICE FOR THE UNDERGROUND CONDUIT PAY	
		ITEMS.				
	11.	REMOVAL AND REPLACEMENT	OF EXISTING SIDEWALK, PAV	EMENT, AND ISLANDS FOR UT	ILITY LOCATING PURPOSES WILL NOT BE PAID FOR	
		SEPARATELY, BUT SHALL BE IN	ICLUDED IN THE CONTRACT B	ID PRICE FOR THE CONDUIT PA	AY ITEMS.	
	12.	NO ADDITIONAL COMPENSATION	N SHALL BE ALLOWED FOR P	LACING CONDUIT AT GREATER	R THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS	
		UNDERGROUND UTILITIES.				
	13.	THE CONTRACTOR IS RESPONS	IBLE FOR THE COST OF UNCO	OVERING OR HAND DIGGING A	ROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK	
		SHALL BE INCLUDED IN THE UN	IT PRICES FOR THE CONDUITS	S		
	14.	THE CONTRACTOR SHALL INSTA	CONTRACTOR SHALL INSTALL A #12 (XLP-TYPE USE) TRACER WIRE ALONG WITH THE FIBER OPTIC CABLE FOR LOCATING PURPOSES. THE TRACER			
		WIRE SHALL BE CONTINUOUS A	ND BE ACCESSIBLE FROM TH	HE HANDHOLES. THE COST OF	F FURNISHING AND INSTALLING THE TRACER WIRE SHALL BE	
		INCLUDED IN THE UNIT BID PRIC	E FOR THE FIBER OPTIC CAB	LE IN CONDUIT PAY ITEM.		
	15.	THE CONTRACTOR SHALL BE RE	ESPONSIBLE FOR LOCATING	FIELD TILE AND UNDERDRAIN L	OCATIONS. THE CONTRACTOR SHALL MAKE AN EFFORT TO	
		MINIMIZE DAMAGE TO THESE F	ACILITIES DURING THE INSTAL	LATION OF CONDUIT AND COM	IMUNICATION VAULTS. IN THE EVENT THAT THESE FACILITIES	
		ARE DAMAGED, THE CONTRACT	FOR SHALL BE RESPONSIBLE	FOR MAKING REPAIRS TO THI	ESE ITEMS TO RESTORE FUCTIONALITY TO THE SATISFACTION	
		OF THE ENGINEER.				
	16.	THE CONTRACTOR SHALL STUB	OUT TWO 1-1/2" DIA. PVC CO	NDUITS OUT OF ALL COMMUNI	CATION VAULTS AND HEAVY DUTY HANDHOLES THAT ARE	
		INSTALLED UNDER CONCRETE (OR BITUMINOUS SHOULDERS	OR PAVEMENT TO PROVIDE F	UTURE ACCESS TO THESE FACILITIES. THE CONDULTS SHALL	
		BE EXTENDED IN THE UNIT DID DDID			TPED. THE COST OF INSTALLING THESE CONDUTTS SHALL BE	
			ES FOR "COMMUNICATIONS \	AULT AND "HEAVY-DUTY HAN	NDHOLE".	
FILE NAME =		USER NAME = ayousif	DESIGNED -	REVISED -		
\ITS (IDOT)\D468620-ITS-01.dgn			DRAWN -	REVISED -	STATE OF ILLINOIS	
		PLUT SUALE =	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	SCALE, NON
		PLUI DHIE = //26/2012	DATE -			SUALE: NON

FIBER OPTIC CABLE SLACK DOUBLE HANDHOLE: 30.0 FT. COMMUNICATIONS VAULT: 30.0 FT JUNCTION BOX: 10.0 FT. HANDHOLE: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT. EQUIPMENT CABINET: 3.0 FT

		LEGEND
	PROP.	SERVICE INSTALLATION
	PROP.	TYPE 334 OR TYPE B CABINET
C	PROP.	CCTV DOME CAMERA
•	PROP.	CAMERA POLE
	PROP.	COMMUNICATIONS VAULT
	PROP.	TRAFFIC COUNTER

F QUANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1665	
-	I NUILO				CONTRACT	NO. 6	8620
	STA.	TO STA.		ILLINOIS FED. A	D PROJECT		



SCHEDULE OF QUANTITIES		
ITS PLAN SHEET 2		
D CONDUIT, PVC, 1 1/2" DIA.	FOOT	2895.0
D CONDUIT, PVC, 2" DIA.	FOOT	60.0
HANDHOLE	EACH	1.0
ANDHOLE	EACH	1.0
DNS VAULT	EACH	1.0

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Schedule of auxinities           Investment 13           Investment 13					<<		$\sim$				
					48'' RCP				3-B05		
CI-LOO # ' POP 1 10 12.66 ***********************************					S INV 718.45		20			NN 11	
Schedule of Quantities           INDERGROUND CONDUIT, INC. 112° DIA           INDERGROUND CONDUIT, INC. 112° DIA							AC. 50				
SCHERALE OF QUANTITIES INDECROPOUND CONDUCT. PPC, 1 12" DIA HUNDERGROUND CONDUCT. PPC					C1-1.0e 48'' BCP			The second se			
Schedule of Quantities IN FIG.45 J Schedule of Quantities INDERGROUND CONDUT. PXC. 112°DA HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEET3 HARSHEA HARSHEA HARSHEA HARSHEA HARSHEA HARS					N INV 717.45	/	· · · · · · · · · · · · · · · · · · ·	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
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SCHEDULE OF QUANTITIES ITS PLAN SHEET 3 UNDERGROUND CONDUIT. PVC, 11/2 'DA FOOT 3465.0 UNDERGROUND CONDUIT. PVC, 11/2 'DA FOOT 3465.0											
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SCHEDULE OF QUANTITIES IS PLAN SHEET 3 UNDERGROUND CONDUT, PVC, 11/2 DIA FOOT 3465.0 HEAVY-DUTTHANDHOLE										~~ /	
SCHEDULE OF QUANTITIES ITS FLAN SHEET 3 UNDERGROUND CONDUIT, PVC, 11/2" DIA FOOT 3465.0 HEAV-DUTY HANDHOLE									· · · ·		
SCHEDULE OF QUANTITIES ITS PLAN SHEET 3 UNDERGROUND CONDUIT, FVG, 11/2" DIA FOOT 3465.0 HEAV-OUTY HANDHOLE EACH 10											
SCHEDULE OF QUANTITIES ITS PLAN SHEET 3 UNDERGROUND CONDUIT, PVC, 11/2 DIA FOOT 3465.0 HEAVY-DUTY HANDHOLE EACH 1.0											Ĩ N N N N N N N N N N N N N N N N N N N
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SCHEDULE OF QUANTITIES ITS PLAN SHEET 3 UNDERGROUND CONDUT, PVC, 1 1/2" DIA. FOOT 3465.0 HEAV?-DUTY HANDHOLE EACH 1.0											
SCHEDULE OF QUANTITIES ITS PLAN SHEET 3       UNDERGROUND CONDUIT, PVC. 11/2" DIA     FOOT     3465.0       HEAVY-DUTY HANDHOLE     EACH     1.0											
SCHEDULE OF QUANTITIES           ITS PLAN SHEET 3           UNDERGROUND CONDUIT, PVC, 11/2" DIA         FOOT         3465.0           HEAVY-DUTY HANDHOLE         EACH         1.0											
SCHEDULE OF QUANTITIES ITS PLAN SHEET 3       UNDERGROUND CONDUIT, PVC, 11/2" DIA.     FOOT     3465.0       HEAVY-DUTY HANDHOLE     EACH     1.0											
SCHEDULE OF QUANTITIES ITS PLAN SHEET 3         UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.       FOOT       3465.0         HEAVY-DUTY HANDHOLE       EACH       1.0											
SCHEDULE OF QUANTITIES ITS PLAN SHEET 3       UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.     FOOT     3465.0       HEAVY-DUTY HANDHOLE     EACH     1.0											
SCHEDULE OF QUANTITIES ITS PLAN SHEET 3         UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.       FOOT 3465.0         HEAVY-DUTY HANDHOLE       EACH       1.0											
SCHEDULE OF QUANTITIES ITS PLAN SHEET 3         UNDERGROUND CONDUIT, PVC, 1 1/2" DIA       FOOT 3465.0         HEAVY-DUTY HANDHOLE       EACH       1.0											
SCHEDULE OF QUANTITIES ITS PLAN SHEET 3         UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.       FOOT       3465.0         HEAVY-DUTY HANDHOLE       EACH       1.0											
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SCHEDULE OF QUANTITIES ITS PLAN SHEET 3         UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.       FOOT 3465.0         HEAVY-DUTY HANDHOLE       EACH       1.0											
SCHEDULE OF QUANTITIES ITS PLAN SHEET 3         UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.       FOOT 3465.0         HEAVY-DUTY HANDHOLE       EACH       1.0											
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SCHEDULE OF QUANTITIES ITS PLAN SHEET 3         UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.       FOOT 3465.0         HEAVY-DUTY HANDHOLE       EACH       1.0											
SCHEDULE OF QUANTITIES ITS PLAN SHEET 3         UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.       FOOT       3465.0         HEAVY-DUTY HANDHOLE       EACH       1.0											
ITS PLAN SHEET 3       UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.     FOOT     3465.0       HEAVY-DUTY HANDHOLE     EACH     1.0		SCHEDU	ILE OF QUANTITIES		]						
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.     FOOT     3465.0       HEAVY-DUTY HANDHOLE     EACH     1.0			PLAN SHEET 3	FOOT	4						
	UNDERGROUN HEAVY-DUTY HA	ANDHOLE	JIA.	EACH 1.0	1						

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\ITS (IDOT)\D468620-ITS-03.dgn		DRAWN -	REVISED -	STATE OF ILLINOIS		
	PLOT SCALE =	CHECKED -	REVISED - DEPARTMENT OF TRANSPORTATION			I-74 IO 1-155 INTERCHAN
	PLOT DATE = 7/17/2012	DATE -	REVISED -		SCALE: NONE	SHEET NO. 3 OF 50 SHEETS





SCHEDULE OF QUANTITIES		
ITS PLAN SHEET 4		
ROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	3960.0
ROUND CONDUIT, PVC, 2" DIA.	FOOT	55.0
JTY HANDHOLE	EACH	1.0
STING HANDHOLE	EACH	1.0
OUNTED LED DYNAMIC MESSAGE SIGN	EACH	1.0
S ETHERNET RADIO LINK	EACH	0.5
TIC CABLE 48 FIBERS, SINGLE MODE	EACH	283.0

		3-2.0 INV 726.55	HUDRORD C P HallO FT, X: UNSTALLED U PCC SHOULDE CS-1000 N INV T23.25 S INV T24.70 N INV T24.70 N INV T23.25 S INV T24.70 N INV T24.70	VC 1 1/2 SNOR NO NO NO NO NO NO NO NO NO NO	UNDRGRD C PVC 1 1/2 65L0 FT. X 3 (INSTALLED UNDER PCC SHOULDER) 0 0 0 0 0 0 0 0 0 0 0 0 0
UNDERGROUND CONDUIT, PV HEAVY-DUTY HANDHOLE FIBER OPTIC CABLE 48 FIBERS	SCHEDULE OF QUANTITIES ITS PLAN SHEET 5 , 1 1/2" DIA. FOOT EACH SINGLE MODE EACH	3396.0 1.0 1142.0			
FILE NAME = USER NAME = tbla \ITS (IDOT)\D468620-ITS-05.dgn PLOT SCALE = PLOT DATE = 7/17	DESIGNED - DRAWN - CHECKED - 2012 DATE -	REVISED     -       REVISED     -       REVISED     -       REVISED     -       REVISED     -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS FIBER PLANS I-74 TO 1-155 INTERCHANGE (CONTINUED) SCALE: NONE SHEET NO. 5 OF 50 SHEETS STA. TO STA.	F.A.P. RTE.     SECTION     COUNTY     TOTAL SHEETS     SHEET NO.       74     90-[14R;(14HB-4,14,14HVB)BR]     TAZEWELL     2433     1669       CONTRACT NO. 68620       IILLINOIS FED. AID PROJECT

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\ITS (IDOT)\D468620-ITS-05.dgn		DRAWN -	REVISED -	STATE OF ILLINOIS	1	
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	PLOT DATE = 7/17/2012	DATE -	REVISED -		SCALE: NONE	SHEET NO. 5 OF 50 SHEETS



UNDERGROUND HEAVY-DUTY HAN FIBER OPTIC CABI	SCHEDULE OF QUAN ITS PLAN SHEET CONDUIT, PVC, 1 1/2" DIA DHOLE E 48 FIBERS, SINGLE MODE	3009       30         3009       30         3009       30         3009       30         4000       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3,10         5-3,10       5-3		5-3.1 1.4 '22.45 1.0 '23.45 1.0 '25.60 1.0 EACH 1.0	
FILE NAME = \ITS (IDDT)\D468620-ITS-07.dgn	USER NAME = tblank PLOT SCALE = PLOT DATE = 7/17/2012	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS FIBER PLA I-74 TO 1-155 INTERCHANC SCALE: NONE SHEET NO. 7 OF 50 SHEETS






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	SUCCON LINDRIGED C PVC 1 1/2
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	F.A.P. SECTION COUNTY SHEETS NO. Tr4 90-E14R;(14HB-4,14,14HVB)BR TAZEWELL 2433 1673
	F.A.P.         SECTION         COUNTY         TOTAL SHEETS         SHEETS NO.           74         90-[14R;(14HB-4,14,14HVB)BR]         TAZEWELL         2433         1673           CONTRACT NO.         68620         It I INDISTERS         DO DRACT NO.         68620



SCHEDULE OF QUANTITIES ITS PLAN SHEET 10		
IND CONDUIT, PVC, 2" DIA.	FOOT	2550.0
BEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	730.0
HANDHOLE	EACH	2.0
CABLE 48 FIBERS, SINGLE MODE	EACH	1235.0

T4         90-[14R;(14HB-4,14,14HVB)BR]         TAZEWELL         2433         167           CHANGE (CONTINUED)         CONTRACT NO. 6862           STA.         T0_STA.         Itu INDISIEED AID PROJECT	ANS Change (continued)		SECT	ION			COUNTY	TOTAL SHEETS	SHEET NO.
STA. TO STA. TO STA.			90-[14R;(14HB-	4,14,14H	VB)BR	1	TAZEWELL	2433	1674
STA. TO STA.							CONTRACT	NO. 6	8620
ite india ite india	STA. TO STA.			ILLINOIS	FED.	AID	PROJECT		







PLOT DATE = 7/17/2012

DATE

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**DEPARTMENT OF TRANSPORTATION** SCALE: NONE SHEET NO. 13 OF 50 SHEETS

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ANS Change (continued)		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		90-[14R;(14HB-4,14,14HVB)BR	TAZEWELL	2433	1677
			CONTRACT	NO. 6	8620
STA. TO STA.		ILLINOIS FED. A	ID PROJECT		





SCHEDULE ITS PLA	OF QUANTI	TIES				
RGROUND CONDUIT, PVC, 1 1/2" DIA.			FOOT	75.0		
DUTTHANDHOLE			EACH	1.0		
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	RTE.	SECTION	4HVB)BR1	COUNTY	SHEETS	NO. 1679
STA. TO STA.		ILLING	DIS FED. AID F	CONTRACT PROJECT	NO. 68	620
	•	1		-		



SCHEDULE OF QUANTITIES ITS PLAN SHEET 16		
GROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	2970.0
DUTY HANDHOLE	EACH	1.0
OPTIC CABLE 48 FIBERS, SINGLE MODE	EACH	1000.0



PLOT DATE = 7/17/2012

DATE

REVISED

SCHEDULE OF QUANTITIES ITS PLAN SHEET 17		
UND CONDUIT, PVC, 1 1/2" DIA.	FOOT	3075.0
' HANDHOLE	EACH	1.0
CABLE 48 FIBERS, SINGLE MODE	EACH	1035.0

UNDRGRD C PVC 1 1/2"

287.0 FT. × 3 (INSTALLED UNDER PCC SHOULDER)

ANS (BIRCHWOOD) (CONTINUED)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1681	
				CONTRACT	NO. 6	8620	
	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		



SCHEDULE OF QUANTITIES ITS PLAN SHEET 18		
CONDUIT, PVC, 1 1/2" DIA.	FOOT	2739.0
CONDUIT, PVC, 2" DIA.	FOOT	48.0
BLE 48 FIBERS, SINGLE MODE	EACH	991.0
NS VAULT	EACH	1.0

COMMUNICATIONS	VAULT

1.0 EACH

UNDRGRD C PVC 2 48.0 FT.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1682
		CONTRACT	NO. 6	8620
	ILLINOIS FED. A	D PROJECT		
	F.A.P. RTE. 74	F.A.P. RTE. SECTION 74 90-[14R;(14HB-4,14,14HVB)BR] - ILLINOIS FED. AI	F.A.P. RTE.         SECTION         COUNTY           4         90-[14R;(14HB-4,14,14HVB)BR]         TAZEWELL           CONTRACT         ILLINOIS FED. AID PROJECT	F.A.P. RTE.         SECTION         COUNTY         TOTAL SHEETS           74         90-[14R;(14HB-4,14,14HVB)BR1         TAZE WELL         2433

		l xi	[ ] ] ] [F]	· · · · · · · · · · · · · · · · · · ·		
				Image: Second	2	ITTRES         FOOT         906.0           EACH         906.0         906.0
FILE NAME = \ITS (IDOT)\D468620-ITS-19.dgn	USER NAME = tblank PLOT SCALE = PLOT DATE = 7/17/2012	DESIGNED - DRAWN - CHECKED - DATE -	Image: Constraint of the second se	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS FIBER PLANS -74 & I-155 INTERCHANGE TO IL 98 (BIRCHWOOD) (CONTINUED) SCALE: NONE SHEET NO. 19 OF 50 SHEETS STA TO STA	F.A.P.         SECTION         COUNTY         TOTAL SHEETS         SHEET NO.           74         90-[14R;(14HB-4,14,14HVB)BR]         TAZEWELL         2433         1683           UNUTROL OF TAXES
	1.23. Since //1// EDIE				CONCENTIONE DIFERROR TO STALE TO STALE	ILLINUIS FED. AID PROJECT



SCHEDULE OF QUANTITIES		
ITS PLAN SHEET 20		
OUND CONDUIT, PVC, 2" DIA.	FOOT	1285.0
CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	2769.0
E FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	5.0
E FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	20.0
TIC CABLE 48 FIBERS, SINGLE MODE	EACH	1256.0
TIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0
OUNTER	EACH	1.0
OUNTER POST, GALVANIZED STEEL	EACH	1.0
WORK PORT ADAPTER	EACH	1.0
JNTED EQUIPMENT CABINET, TYPE B	EACH	1.0
ERNET CABLE	FOOT	50.0
IRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	1.0
CATIONS VAULT	EACH	2.0
PROTECTIVE LIABILITY INSURANCE	L SUM	1.0
POLE, 55 FT	EACH	1.0

ALL ITS W	ORK ON	THIS I	PLAN S	HEET	SHALL	ΒE
COMPLETE	D BY AF	RIL 30	, 2013.	. FAIL	URE TO	0
COMPLETE	THIS W	ORK ON	TIME	MAY	RESUL1	Г
IN LIQUID.	ATED DA	MAGES	OF UP	TO \$	\$500 P	ER
CALENDAR	DAY.					





SCHEDULE OF QUANTITIES						
ITS PLAN SHEET 22						
TATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2				
UATOR BASE	SQ YD	54.6				
RIC SERVICE INSTALLATION	EACH	1.0				
GROUND CONDUIT, PVC, 2" DIA.	FOOT	125.0				
GROUND CONDUIT, PVC, 3" DIA.	FOOT	190.0				
RIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	303.0				
RETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	5.0				
EXISTING HANDHOLE	EACH	1.0				
OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0				
CCOUNTER	EACH	1.0				
C COUNTER POST, GALVANIZED STEEL	EACH	1.0				
ETWORK PORT ADAPTER	EACH	1.0				
LAR MODEM	EACH	1.0				
RETE FOUNDATION (SPECIAL)	FOOT	3.5				
ET, MODEL 334	EACH	1.0				
ETHERNET CABLE	FOOT	99.0				
D CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	1.0				
UNICATIONS VAULT	EACH	1.0				
ATE TRUSS MOUNTED SIGN STRUCTURE AND DMS (COMPLETE)	L SUM	1.0				
E CONSTRACTOR SHALL INSTALL THE EXISTING 96 FIBER SM CABL	E FROM					

THE CONSTRACTOR SHALL INSTALL THE EXISTING 96 FIBER SM CABLE FROM THE EXISTING COMMUNICATIONS VAULT INTO THE PROPOSED TYPE 334 ITS FIBER CABINET AND TERMINATE 24 SM FIBERS FROM EACH CABLER END AND FUSION SPLICE THE REMAINING FIBERS TOGETHER TO CREATE A CONTINUOUS FIBER LINK. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE FIBER OPTIC CABLE.

	 10'-0''
	12 ⁰
	55' - 0''
E.O.P. MAINLINE	
	12'-0''
·	 
JIT WITH TIC CABLE	

AND DMS SITE PLAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1686
BLACKIUF				CONTRACT	NO.6	8620	
	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		





PLOT DATE = 6/14/2012

DATE

REVISED

SCALE: NONE	SHEET	NO.	24	0F	XX	SHEE

ETS

IN STRUCTURE DETAIL		F A P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1688
	BLACKTOP				CONTRACT NO. 686		8620
	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		



STATE OF ILLINOIS DRAWN REVISED PLOT SCALE = #SCALE# CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** PLOT DATE = \$DATE\$ SCALE1 NONE SHEET NO. 25 OF 50 SHEETS DATE REVISED

## BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape			
<b>v</b> ₄(E)	24	#9	F less 5"				
#4 bar spiral (E) - see Side Elevation							

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference. No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation

Backfill shall be placed per Article 502 of Standard Specification and prior to erection

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included

	Right Fo	oundation			Class DS
	Elevation Bottom	А	В	F	Concrete (Cu. Yds.)
	**	3'-0"	18′-0"	21'-0"	22.0
_					

GN STRUCTURE CONCRETE FOUNDATION DETAIL		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74	90-[]4R#([4HB-4,]4,]4HVB)BR]	TAZEWELL	2433	1689
I-74 & WASHINGTON BLACKTON			CONTRACT	NO. 6	8620
NO. 25 OF 50 SHEETS   STA TO STA	ILLINOIS FED. AID PROJECT				



OCATED SIGN STRUCTURE		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1690
			CONTRACT	NO. 6	8620
STA. TO STA.		ILLINOIS FED. AI	D PROJECT		



REVISED

PLOT DATE = 6/14/2012

DATE

SHEET NO. 27 OF XX SHEETS SCALE: NONE

	a constant		F.A.I. SECTION	00	UNTY SHEETS	SHEET	
		ł	STA.	TO ST	A.	20	
		Ŀ	FED. ROAD DIST. NO.	ILLING	IS FED. AID PRO	JECT	
2	2					—	
or inf	FORM	1ΑΤ	ION	0	NLY		
GENER	AL NOTES						
h: AASHTO Standard Sp Traffic Signals. ("AASh	recifications for . ITO Specification.	Structural s*)	Supports for Hig	nway s	igns, Lumina	ires	
RUCTION: Current (at the Mications for Road and Islans ("Standard Spec	me of latting) lill Bridge Construct cifications")	inols Depar tion, Supple	tment of Transpo mental Specifica	ortation tions ai	Standard nd Special		
IG: 90 M.P.H. WIND VEL LOADING: 30 p.s.f. n	LOCITY ormal to Sign Pa	nnei Areo o	nd truss element	ts not t	nehind sign		
WAY LOADING: Dead k	ood plus 500 lbs.	. concentra	nted live lood.				
ABLE UNIT STRESSES:	e1						
forcing Steel - 20.000	p.s.i.					1	
stural Aluminum - per A	ASHTO Specifica	tions.				_	
u CLEARANCE: Vertica	to wind lodd in c I Roadway Cleara	nce = 17'-	with other force 3" (All Obstructi	ions)	increased 1.3	53.	
G: All welds to be con	tinuous unless of	therwise sh	own. All welding	g to be	done in		
rdance with current AW. the Standard Specificial	S DLI and DL2 . ions.	Structural	Welding Codes (S	iteel on	i Aluminum)		
IALS: Aluminum Alloys ISTM A53 Grade B with nimum yield of 46,000 p eter shall be as detailed	as shown throug a minimum yield Ls.i. If A500 pi and wall thickne	hout plans. of 35,000 ipe is subs iss greater	All Structural p.s.l., or A500 tituted for A53, than or equal to	Steel P Grade then fi o A53.	lpe shall B or C with he outside		
l Structural Steel Plates r. 50W* (MIB3, M223 ( haie covers shall be AS	and Shapes sha Gr. 50, or N222) TH A240, Type :	ill conform ). Stainles 302 or 30-	to AASHTO M27 s steel for shim 4. or another all	o Gr. 3 s. sleev by suita	6. Gr. 50 es and ble for		
e steel pipe and stiffen	ing ribs of the b	ase plate	for the column s	shall hav	e o minumum	,	
NERS FOR ALUNINUM TI	CVN) energy of I RUSSES: Unless	ofherwise	specified, all ro	2) beto. und or	re galvanizing heavy hex he	g.	
shall be stainless steel I-bolts shall be produced finished, or an equivalen conforming to ASTM AI buts shall be 'locknuts' plent to the finished hea	conforming to A. d from ASTM A2 t material accept 94, Grade 8 (AIS with nylon or ste my bex series of	STM A193, 276 Type 3 table to the SI Type 30 table inserts the Ameri	Grade B8 or B8 04. 304L, 315 o Engineer. All 14) or Grade BF and semifinished can National Sta	BM. Clas or 316L, nuts sh (AISI 1 hexogo ndard.	s L. Eye Condition A will be stainle Type 303). mol heads All washers	, ISS	
be stainless steel conto VIZING: All Steel Gratin	rming to ASIM A ig, Plates, Shape	s and Pipe	shall be Hot Di	p Galvai	nized after		
ication in accordance wi R RODS: Shall conform	to AASHTO MUL to AASHTO M34	Painting 4 Gr. 36 o	is not permitted. r 55 with o mini	imum Ci	arpy V-Notel	n	
) energy of 15 lbft. of	40° F.						
nd line at each foundation rdance with the Standar	on shall be clean d Specifications.	above an e led and coo	ited with Bridge	w the K Seat S	west tingi saler in		
RCEMENT BARS: Reind roance with the Standar	forcement Bors o d Specifications.	designated	(E) shall be epo	ry coate	d in		
ATIONS: The contract un dations" shall include: excavated material; disp placing the Class SI Co. ground rods complete in	nit price for "Co All necessary exc vosal of unsultabl norete, reinforce n place.	oncrete Fou cavation or le or surpli ment bars.	indations" or "Di drilling (except us material; form conduit, anchor	rilled Sh In rock twork: c botts, i	aft Concrete ): backfilling nd furnishing nuts, washer.	g s	
70 Gr. 50W (N222) stee	i is proposed, ci	hemistry fo	r plate to be us	ed shall	first be		
				S SHE	ET 25 OF	98	
	OV	ERHEA	D SIGN STI	RUCT	URES		
UNIT TOTAL	GE AL LIMT	NIM TR	PLAN & E	LEVA	TION		
Foot	ALOMI						
Foot 139	ILLINO	IS DEPAR	F.A.J. 74	RANSF	ORTATION		
Foot 52,58 Cu. Yds. Cu. Yds. 42	8	D4 D PEORIA	-74 ITS SYST & TAZEWELL C	EM-1	ES		
	10/14/02						
	AV/ 41/ V6	EDWAR	DS AND K	ELCE	Y		
	1						
AND DMS DETAILS		RTE.	SECTION		COUNTY	SHEETS	SHE NO
		1 (4 MO	- LAR-LAHR-4 14 14	HVR)RR1		1 24 1 1	

BLACKTUP				CONTRACT	NO.	8620
	STA.	TO STA.	ILLINOIS FED. A	ID PROJECT		



	يو محمد محمو	F.A.T. SECT RTE. SECT 74 SI 57 STA. FED. ROAD DIST.	ION CO	OUNTY SHEET ROCL 98 TA. OIS FED. AID PRO	SHEET \$ NO. 26 
r Inf	FORM	ATION	0	NLY	
      	IOTES: Elevations show For minimum sh Sign Structures Truss & Steel	n based on local dat ructure clearance, se General Plan & Eley Supports (Sheet 25).	um. votion Al,	ad	·
	Structures Drill	ed Shaft Dotails (She	aet 36).		
, M.	OVEF	RHEAD SIGN ST	ITS SHE	ET 26 OF	98
	GR ILLINOIS	DEPARTMENT OF F.A.I. 74 D4 I-74 ITS SY PEORIA & TAZEWELL	TRANSP STEM-1 . COUNTIE	ORTATION	
	E	DWARDS AND	KELCE	Y	
	e normalis de la sete	F.A.P. SECTIO	N	COUNTY	TOTAL SHEET
OP (CONTINIIED)		74 90-[14R;(14HB-4,1	4,14HVB)BR]	TAZEWELL	2433 1692
(				CONTRACT	NO 68620

ILLINOIS FED. AID PROJECT

TO STA.

Structure		Design	Exte	nrlor Units	(2)		Interio	r Unit		Upper	& Lower	Verticals: Hor	izontais; Vertical,	Comber	Į.		Splicing		
Number	Station	Truss	No. Panels	Unit	Panel	No.	No. Panels	Unit	Panel	CI	hord	Horizontal, and	Interior Diagonals	ot	Bolt	s	Weld	Sizes	
	Type	per Unit	Lgth.(Lo)	Lgth.(P)	Reg'd.	per Unit	Lgth.(L1)	Li) Loth.(P)	0.D.	Wall	0.0.	Woll	Midspan	No./Splice	Dia.	W	W	A	
450901074R101.3	495+00	IIIA	7	37'-9"	5'-1'2"	0	0	0	0	7*	515	34-	5,6 *	78"	6	ľa"	7,6"	5,5	11/2
450721074L083.5	168+25	HIA	7	33-42	4-6-	0	0	0	0	7*		37.	5	1.	6	11.*	- 7	6	
and the second											~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					14	15	16	112
	CHANGE THE		Į	1000000		<b></b>						l	6 850			-	-		_
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	la contras e .	-	<u> </u>			-					·				<u> </u>	-			
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PLOT DATE = 6/14/2012

DATE

REVISED

SCALE: NONE SHEET NO. 31 OF XX SHEETS

		inere a	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.	
			STA.	DIST, NO.	TO STA.	96 29	
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			<i>.</i>			5	
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di la		•					
				<i>4</i> .			
				170	SHEET 2	9 05 09	
		VERHE	AD SIG	N STRUC	TURES	5 05 30	
	TRUS	S STRU	CTURE	WITH CO	NDUIT RU	IN	
	ILLINOIS	DEPAR	TMENT	OF TR	ANSPORTA	TION	
		D4 1	F.A.	L. 74 S SYSTEM	4-1		
		PEORIA	& TAZE	WELL CO	UNTIES		
	10/14/02		2				
	E	EDWAR	NDS A	ND KE	LCEY		
AND DMS DETAILS		F.A.P. RTE. 74 90	-[14R:(14	ECTION HB-4,14.14H	COL	INTY TOTAL SHEETS	SHEE1 NO. 1695
STA. TO	STA.			ILLINOIS	CON	TRACT NO. 6	8620





PLOT DATE = 6/14/2012

DATE

REVISED

	• •		F.A RTI 74 S FED	J. SECTION be 6% TTS STITUEN TA. ROAD DIST, NO	1 CC 10 ST	A.	D PROJECT	EFT II
or in	FOR	M	AT:	ION	0	NL	<u> </u> Y	
Support Desig	n Loads: See ding criteria. cmbiorticae cha	Base :	Sheet OS	-A-I for des	sign			
<ul> <li>a) 10</li> <li>b) 60</li> <li>c) 10</li> <li>b) 60</li> <li>c) 10</li> <lic) 10<="" li=""> <li>c) 10</li> <lic) 10<="" li=""> <li>c) 10</li> <li>c) 10</li> <lic) 10<="" li=""> <li>c) 10</li> <lic) 10<="" li=""> <lic) 10<="" li<="" th=""><td>02. wind normal 03. wind normal 12. wind normal 12. wind normal 13. wind contract 14. wind contract 15. with the corb 15. with the corb 15</td><td>to sig to sig directl Rough of add end of in wal on ste fin wal on ste fin gab ed. Si fasten based Noni d or a</td><td>in 20% p n, 20% p n, 30% p on vertice ness of 5 bracing f bracing f bracing</td><td>oncallel to si arcallel to si arcallel to sig all. All cut 500 - Tin or te shall be p pipes. Atter column. All (Typ.) le covers an (ter fabricat Sheet OS-A- Vion criteria applications is appropriat</td><td>gn n faces iess. rovided nately. vent d rolied ion. L in the must e.</td><td></td><td></td><th></th></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></lic)></ul>	02. wind normal 03. wind normal 12. wind normal 12. wind normal 13. wind contract 14. wind contract 15. with the corb 15. with the corb 15	to sig to sig directl Rough of add end of in wal on ste fin wal on ste fin gab ed. Si fasten based Noni d or a	in 20% p n, 20% p n, 30% p on vertice ness of 5 bracing f bracing	oncallel to si arcallel to si arcallel to sig all. All cut 500 - Tin or te shall be p pipes. Atter column. All (Typ.) le covers an (ter fabricat Sheet OS-A- Vion criteria applications is appropriat	gn n faces iess. rovided nately. vent d rolied ion. L in the must e.			
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Structure	Station	50	ipport	Pipe Wall	ц.		1	
KUMDEr S0901074R10L3	495+00	Left	Right	Thickness	26.62	17.47		
		-	X	.33	26.53	17.38		
50721074L083.5	168+25	X	*	.33	25.57 25.78	16.42		
		-			10 1	-		
······		-						
Steel Id nds.		ov	ERHEA	I AD SIGN	TS SHE	ET 31 CTURE	0F 98	3
		TYP	E III-	A ALUM	ME fo	r RUSS		
	ILLING	DIS D PEC	EPARTN D4 I-74 DRIA &	IENT OF T F.A.I. 74 4 ITS SYST TAZEWELL (	RANSP	ORTAT	ION	-
4	10/14/02							
		ED	WARDS	S AND H	ELCE	Y		
AND DMS DETAILS (Continued)	;		F.A.P. RTE. 74 90-E	SECTIO	N 4,14HVB)BF	COL RI TAZE	WELL	IOTAL SHEET HEETS NO. 2433 1697 NO. 68620
STA.	TO STA.			ILL	INOIS FED.	AID PROJE	ст	JUL DODEO

SCALE: NONE

SHEET NO. 33 OF XX SHEETS





