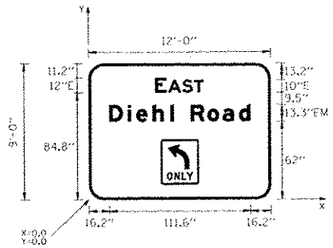
SIGN DETAIL
1:75



SIGN NUMBER	SB-IL59-TR-7
WIDTH x HGHT.	12'-0" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING
	COLOR: WhiteWhite

SYMBOL	ROT	X	Y	WID	HT
R3-5L	0	57	12	30	36

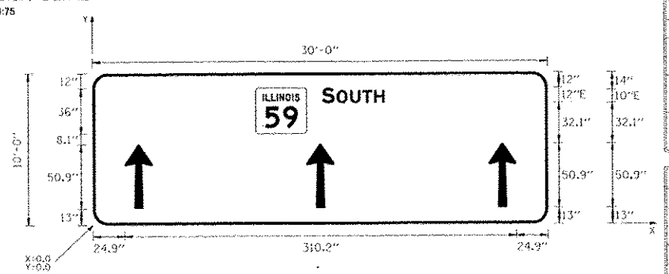
Panel Style: guide_exp_advance_intermediate.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	A	S	T								LENGTH	SERIES/SIZE
52.9	63.1	74.4	83.6									E 2000
											38.3	12.10
D	i	e	h	l		R	o	a	d			EM 2000
16.2	31	37.8	50.7	64.9	67.5	80.9	94.1	106.1	119		111.6	13.3/10

SIGN DETAIL
1:75



SIGN NUMBER	SB-IL59-TR-8
WIDTH x HGHT.	30'-0" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING
	COLOR: WhiteWhite

SYMBOL	ROT	X	Y	WID	HT
M1-1100A-2-32 -SID	0	129.1	72	40.5	36
AR Type A – Extended	0	24.9	13	22.2	50.9
AR Type A – Extended	0	168.9	13	22.2	50.9
AR Type A – Extended	0	313	13	13.3	50.9

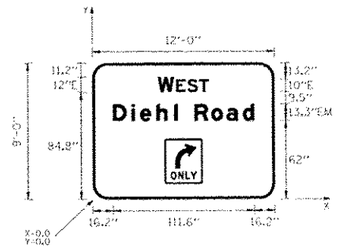
Panel Style: guide_exp_advance_intermediate.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

S	O	U	T	H							LENGTH	SERIES/SIZE
181.6	193.1	203.8	213.6	222.8								E 2000
											49.4	12.10

SIGN DETAIL
1:75



SIGN NUMBER	SB-IL59-TR-9
WIDTH x HGHT.	12'-0" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING
	COLOR: WhiteWhite

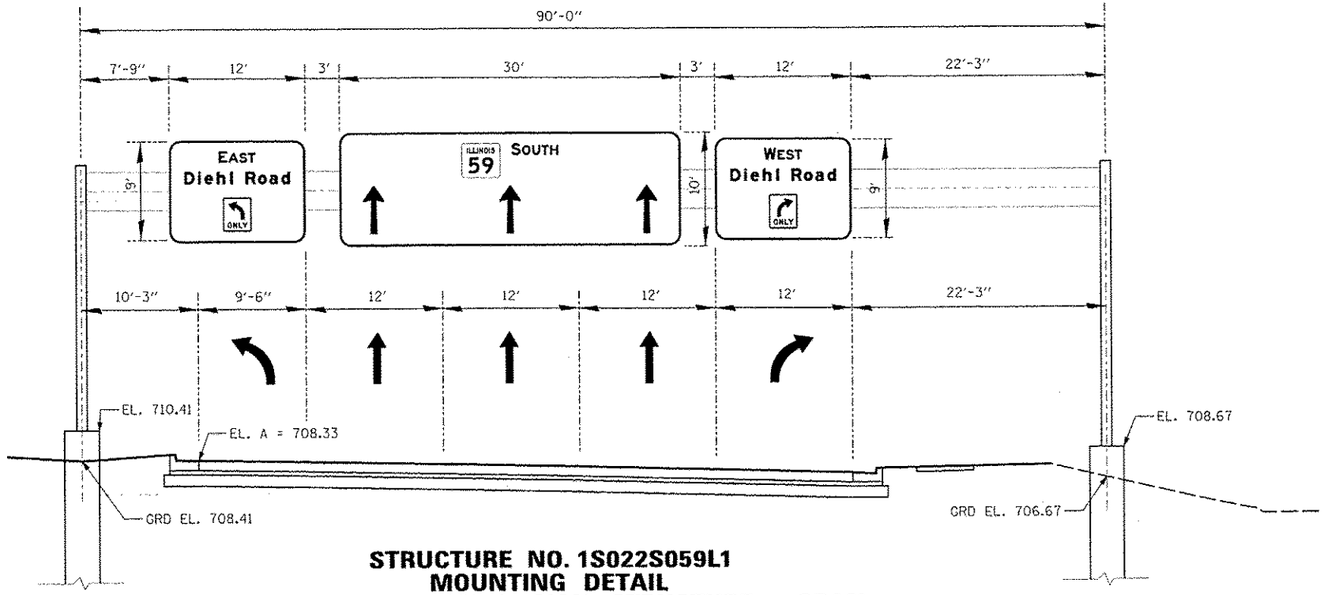
SYMBOL	ROT	X	Y	WID	HT
R3-5R	0	57	12	30	36

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

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

W	E	S	T								LENGTH	SERIES/SIZE
52	66.5	75.4	84.6								40.1	E 2000
												12.10
D	i	e	h	l		R	o	a	d			EM 2000
16.2	31	37.8	50.7	64.9	67.5	80.9	94.1	106.1	119		111.6	13.3/10



STRUCTURE NO. 1S022S059L1
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
SB IL RTE 59, STA 810+00
(LOOKING SOUTH)

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

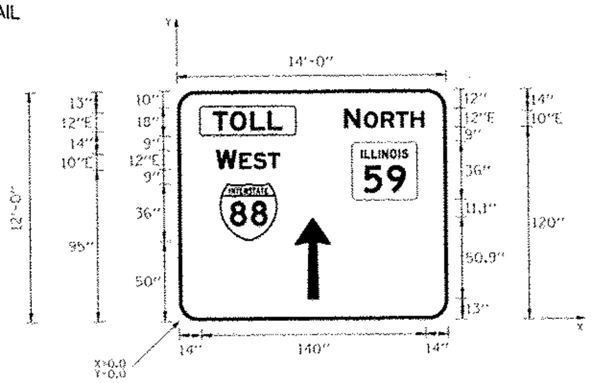
SIGN STRUCTURES
SPAN 1S022S059L1 (IDOT)

SCALE: | SHEET NO. 1 OF 15 SHEETS | STA. 810+00 TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	401
			CONTRACT NO. 60131	
		ILLINOIS FED. AID PROJECT		

SIGN DETAIL

1:75



Panel Style: guide_exp_advance_intermediate.ssi

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	NB-IL59-TR-1
WIDTH x HGHT.	14'-0" x 12'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING
	COLOR: White /Black/White

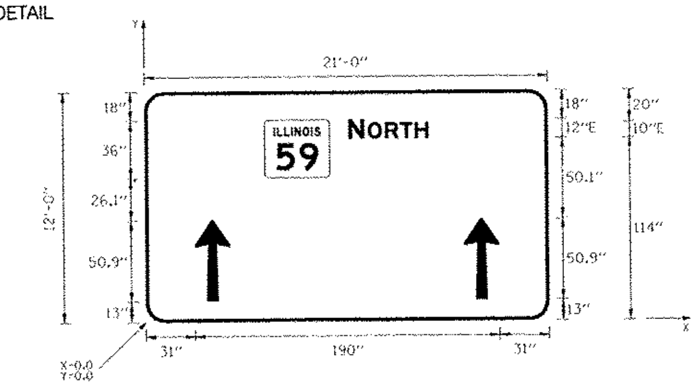
SYMBOL	ROT	X	Y	WID	HT
M1-I100A-2-32-150	0	109	75	40.5	36
M1_1	0	26	50	36	36
AR_Type A - Extended	0	72.9	13	22.2	50.9

LETTER POSITIONS (X)

					LENGTH	SERIES/SIZE
N	O	R	T	H		E 2000
104.5	116.8	127.5	136.7	145.9	49.5	12,10
T	O	L	L			E 2000
22.2	32.9	45.7	56.8		43.6	12
W	E	S	T			E 2000
24	38.5	47.4	56.6		40.1	12,10

SIGN DETAIL

1:75



Panel Style: guide_exp_advance_intermediate.ssi

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	NB-IL59-TR-2
WIDTH x HGHT.	21'-0" x 12'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING
	COLOR: White/White

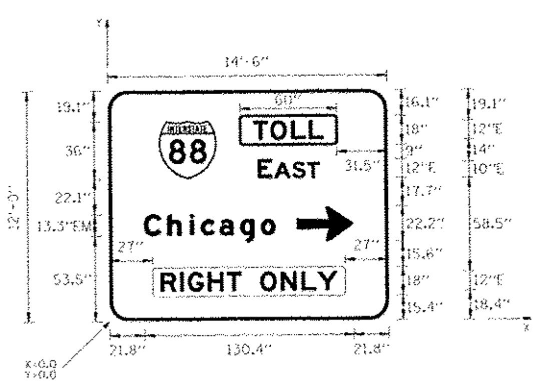
SYMBOL	ROT	X	Y	WID	HT
M1-I100A-2-32-150	0	75	90	40.5	36
AR_Type A - Extended	0	31	13	22.2	50.9
AR_Type A - Extended	0	198.9	13	22.2	50.9

LETTER POSITIONS (X)

					LENGTH	SERIES/SIZE
N	O	R	T	H		E 2000
127.5	139.8	150.5	159.7	168.9	49.5	12,10

SIGN DETAIL

1:75



Panel Style: guide_exp_advance_intermediate.ssi

Dimensions are in inches.tenths

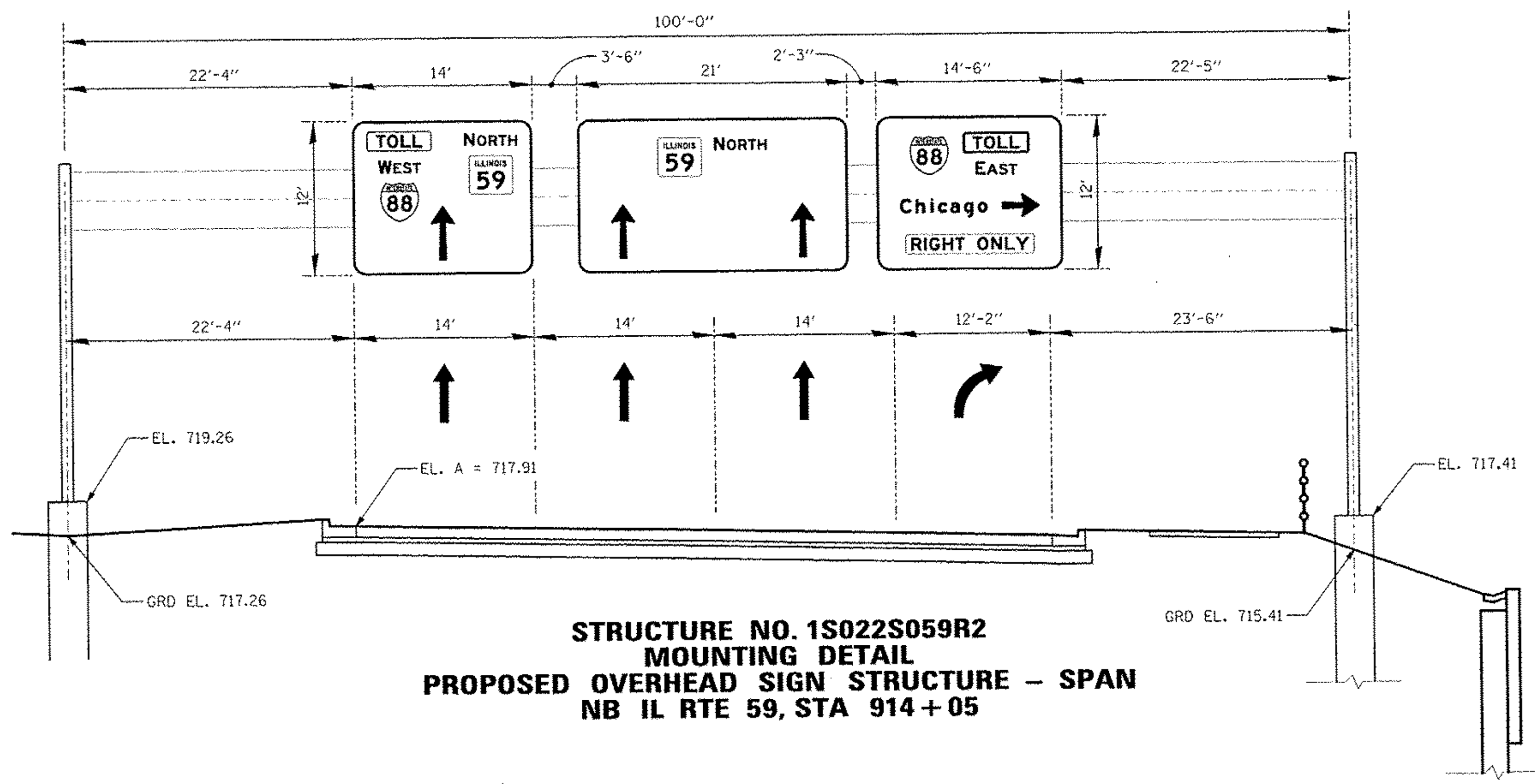
Letter locations are panel edge to lower left corner

SIGN NUMBER	NB-IL59-TR-3
WIDTH x HGHT.	14'-6" x 12'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING
	COLOR: White /Black/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	31.5	88.9	36	36
AR_Type A	270	117.3	49	22.2	34.9

LETTER POSITIONS (X)

										LENGTH	SERIES/SIZE
T	O	L	L								E 2000
90.7	101.4	114.2	125.3							43.6	12
E	A	S	T								E 2000
93.4	103.6	114.9	124.1							38.3	12,10
C	h	i	c	a	g	o					EM 2000
21.8	36.3	50.5	57.3	69	81.9	94.9				82.1	13.3/10
R	I	G	H	T		O	N	L	Y		E 2000
31.9	44	49	61.4	73.2	82.2	94.2	107	119.9	129.8	110.2	12

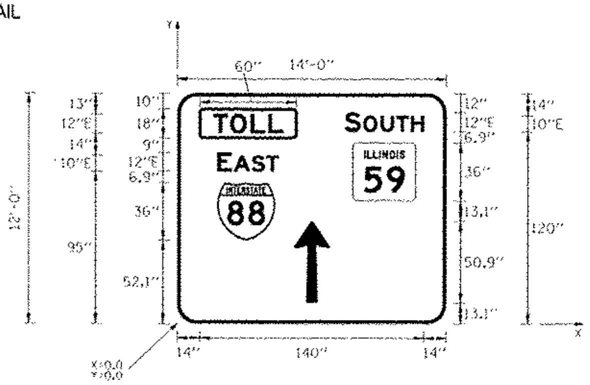


STRUCTURE NO. 1S022S059R2
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
NB IL RTE 59, STA 914+05

FILE NAME =	USER NAME = $USER$	DESIGNED P.IO	REVISED -	STATE OF ILLINOIS	SIGN STRUCTURES
$FILE$		DRAWN KES	REVISED -	DEPARTMENT OF TRANSPORTATION	SPAN 1S022S059R2 (IDOT)
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -		SCALE:
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -		SHEET NO. 2 OF 15 SHEETS | STA. 914+05 TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	402
		CONTRACT NO. 60I31		
		ILLINOIS FED. AID PROJECT		

SIGN DETAIL
1:75



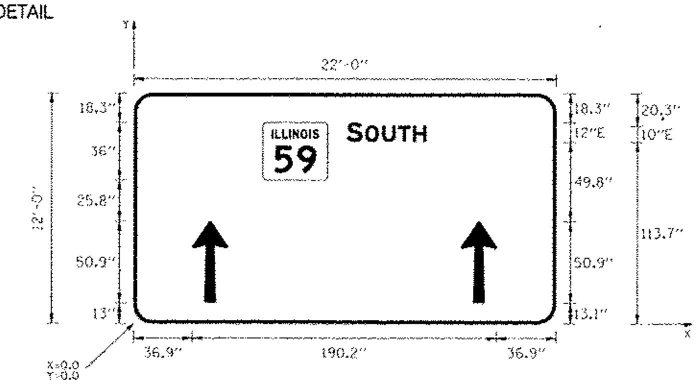
SIGN NUMBER	SB-IL59-TR-4
WIDTH x HGHT.	14'-0" x 12'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING
	COLOR: White /Black/White

SYMBOL	ROT	X	Y	WID	HT
M1-I100A-2-22-10D	0	109.7	77.1	39.3	36
M1_1	0	24.9	52.1	36	36
AR_Type A - Extended	0	72.9	13.1	22.2	50.9

Panel Style: guide_exp_advance_intermediate.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)					LENGTH	SERIES/SIZE
S	O	U	T	H		E 2000
104.6	116.2	126.9	136.7	145.9	49.4	12,10
T	O	L	L			E 2000
22.2	32.9	45.8	56.8		43.6	12
E	A	S	T			E 2000
24.9	35.1	46.4	55.6		38.2	12,10

SIGN DETAIL
1:75



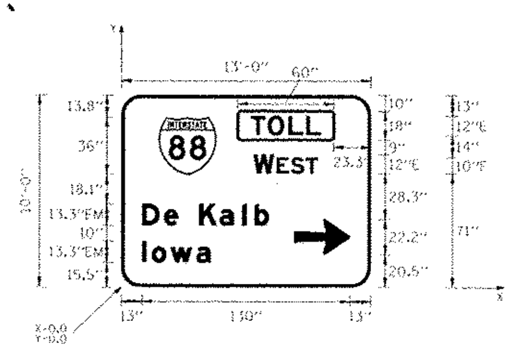
SIGN NUMBER	SB-IL59-TR-5
WIDTH x HGHT.	22'-0" x 12'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-I100A-2-32-15D	0	81.1	69.7	40.5	36
AR_Type A - Extended	0	36.9	13	22.2	50.9
AR_Type A - Extended	0	205	13.1	22.2	50.9

Panel Style: guide_exp_advance_intermediate.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)					LENGTH	SERIES/SIZE
S	O	U	T	H		E 2000
133.6	145.1	155.8	165.6	174.8	49.4	12,10

SIGN DETAIL
1:75

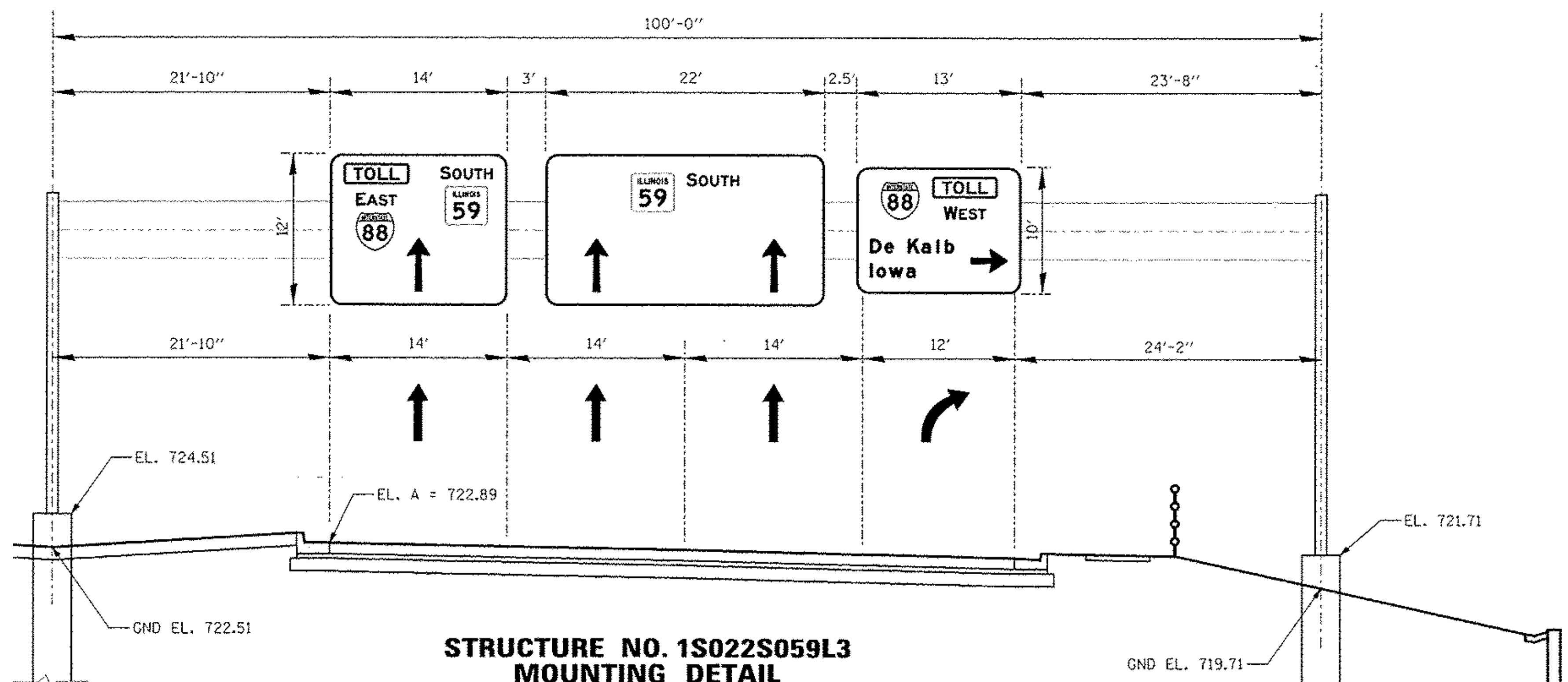


SIGN NUMBER	SB-IL59-TR0
WIDTH x HGHT.	13'-0" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING
	COLOR: White /Black/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	23.3	70.2	36	36
AR_Type A	270	108.1	20.5	22.2	34.9

Panel Style: guide_exp_advance_intermediate.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)							LENGTH	SERIES/SIZE
T	O	L	L					E 2000
80.9	91.6	104.5	115.5				43.6	12
W	E	S	T					E 2000
82.7	97.2	106.1	115.3				40.1	12,10
D	e		K	a	l	b		EM 2000
13	26.6	35.4	48.7	61.4	75.5	83.5	79.3	13.3/10
I	o	w	a					EM 2000
13	19	30.7	47				42.8	13.3/10



STRUCTURE NO. 1S022S059L3
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
SB IL RTE 59, STA 827 + 43
(LOOKING SOUTH)

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

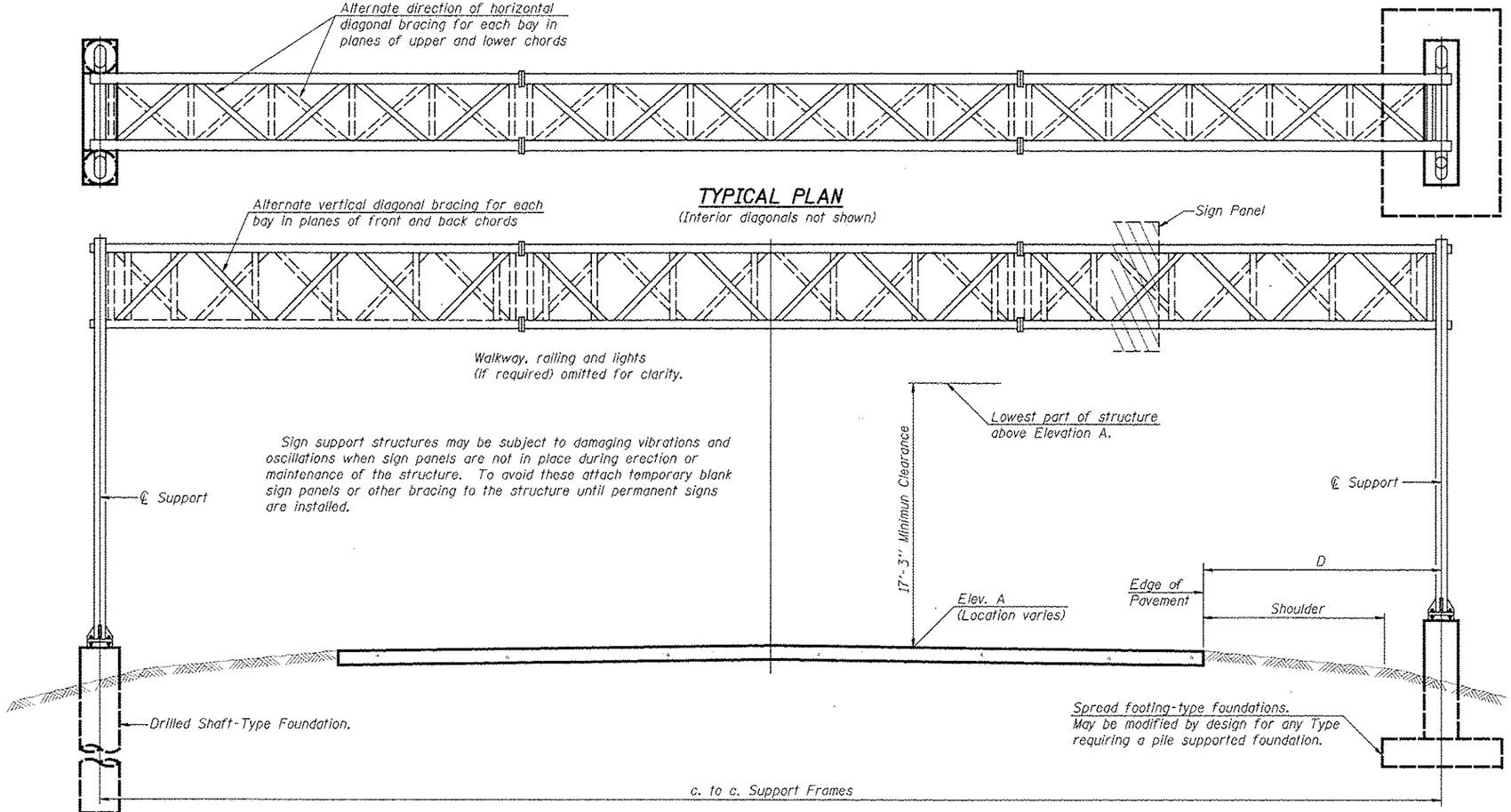
SIGN STRUCTURES
SPAN 1S022S059L3 (IDOT)

SCALE: | SHEET NO. 3 OF 15 SHEETS | STA. 827+43 TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	403

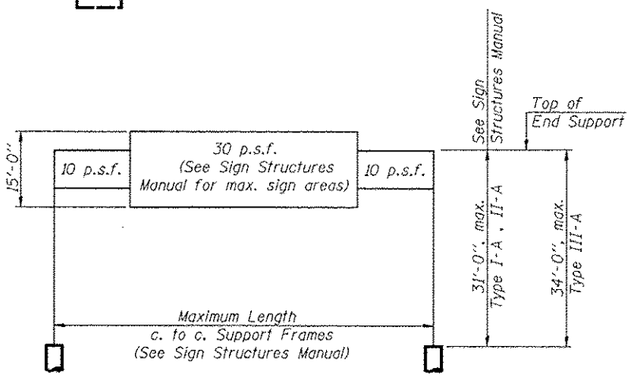
CONTRACT NO. 60I31

ILLINOIS | FED. AID PROJECT



TYPICAL PLAN

(Interior diagonals not shown)



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

TYPICAL ELEVATION

(Looking at Face of Signs**)

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
1S022S059L1	810+00	II-A	90	708.33	22.25	10'-0"	516
1S022S059R2	914+05	II-A	100	717.91	23.50	12'-0"	594
1S022S059L3	827+43	II-A	100	722.89	24.17	12'-0"	562

**Looking upstation for structures with signs both sides.

* 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.

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 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.

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~~	
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	295.2
~~OVERHEAD SIGN STRUCTURE SPAN TYPE III-A~~	~~Foot~~	
~~OVERHEAD SIGN STRUCTURE WALKWAY TYPE A~~	~~Foot~~	
~~CONCRETE FOUNDATIONS~~	~~Cu. Yds.~~	
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	30.6

OS-A-1 6-1-12

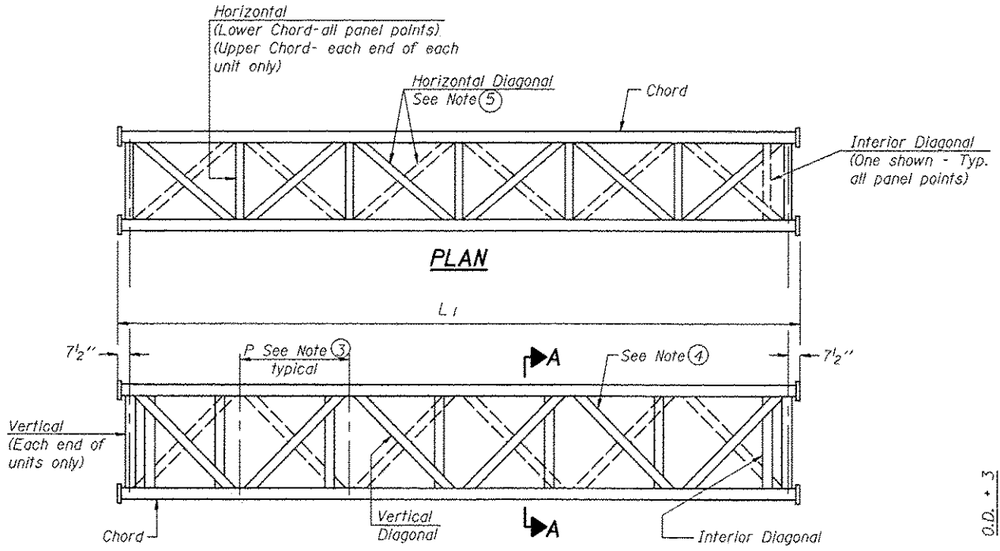
FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES – GENERAL PLAN & ELEVATION – ALUMINUM TRUSS & STEEL SUPPORTS

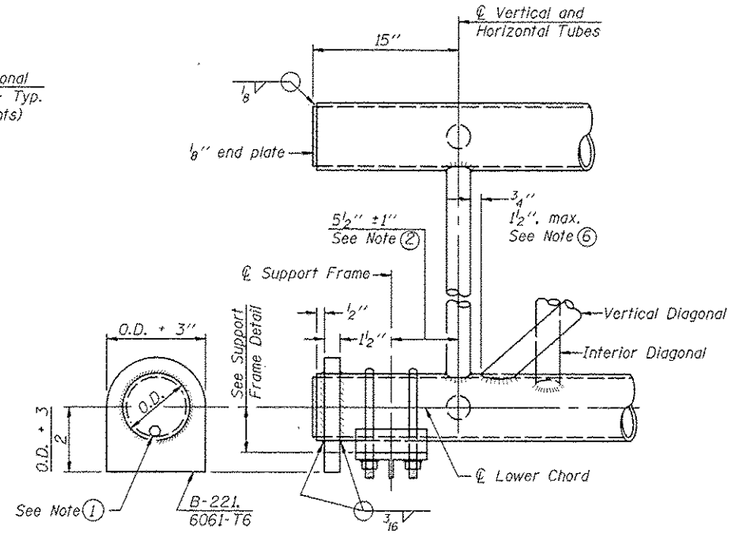
SCALE: | SHEET NO. 4 OF 15 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	404
		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

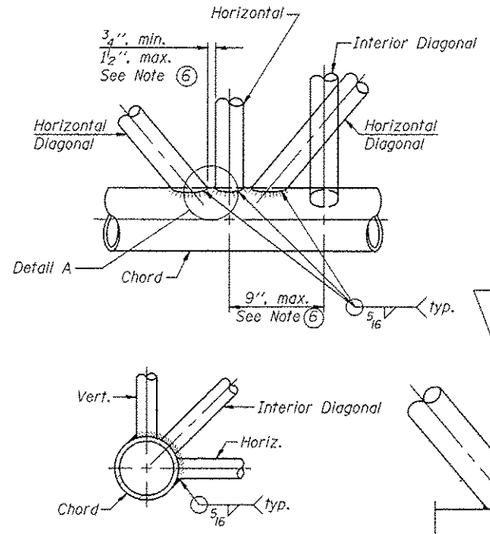


ELEVATION
TYPICAL INTERIOR UNIT

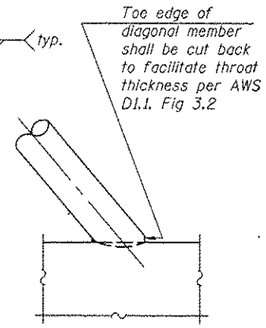
Even number of panels/interior unit required.



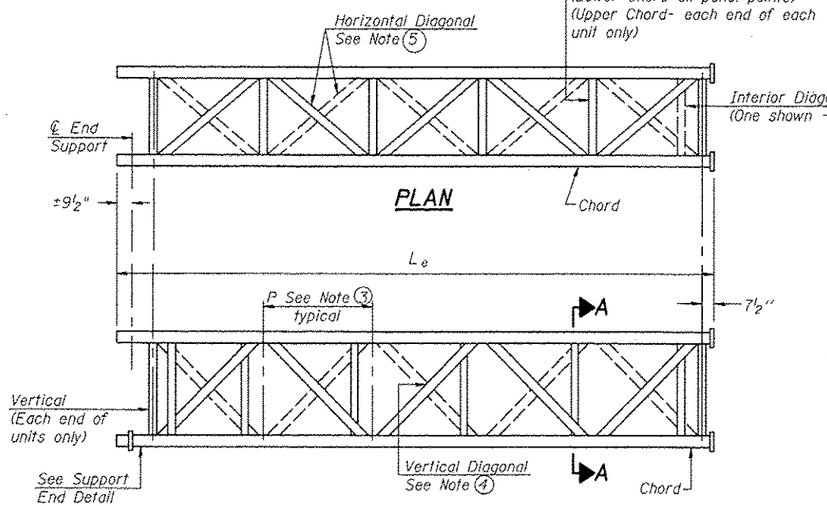
SUPPORT END DETAIL FOR EXTERIOR UNIT



TYPICAL JOINT DETAILS

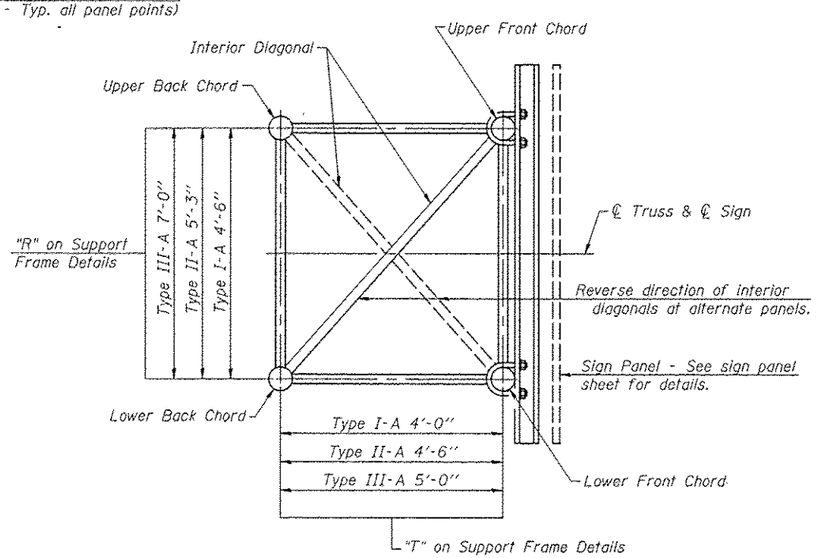


DETAIL A



ELEVATION
TYPICAL EXTERIOR UNIT

Even or odd number of panels/exterior units allowed.



SECTION A-A

1. Contractor may alternatively use standard aluminum drive-fit cap to close end. ½" ϕ drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
2. 5½" end dimension may vary by ±1" to provide uniform panel spacing (P).
3. Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.
4. Vertical Diagonals in front and back face shall alternate.
5. Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
6. All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a ¾" minimum to 1½" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.

OS-A-2 6-1-12

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

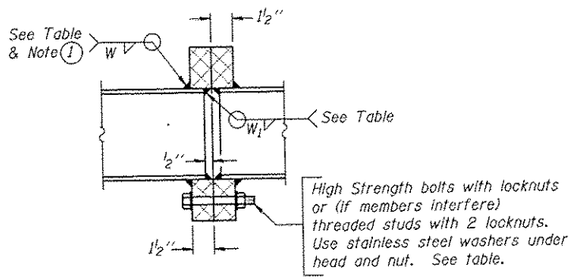
OVERHEAD SIGN STRUCTURES – ALUMINUM TRUSS
DETAILS FOR TRUSS TYPES I-A, II-A AND III-A

SCALE: | SHEET NO. 5 OF 15 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	405
		CONTRACT NO. 60I31		
		ILLINOIS FED. AID PROJECT		

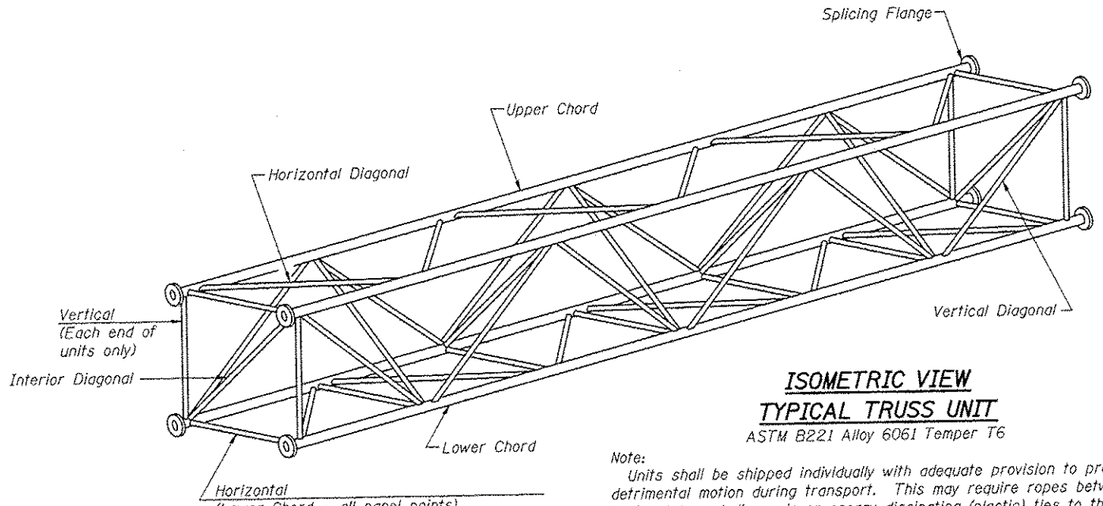
TRUSS UNIT TABLE

Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange					
			No. Panels per Unit	Unit Lgth.(L_e)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L_i)	Panel Lgth.(P)	O.D.	Wall	O.D.	Wall		Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	W_1		
IS022S059L1	810+00	II-A	5	28'-11½"	5'-5"	1	6	33'-9"	5'-5"	5½"	5/16"	3"	5/16"	2½"	6	⅞"	⅜"	¼"	9¼"	12¼"
IS022S059R2	914+05	II-A	6	34'-1½"	5'-4½"	1	6	33'-6"	5'-4½"	6"	5/16"	3"	5/16"	3"	6	⅞"	⅜"	¼"	10¼"	13¾"
IS022S059L3	827+43	II-A	6	34'-1½"	5'-4½"	1	6	33'-6"	5'-4½"	6"	5/16"	3"	5/16"	3"	6	⅞"	⅜"	¼"	10¼"	13¾"



SECTION B-B

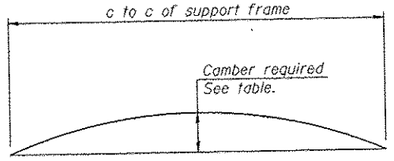
(1) Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.



ISOMETRIC VIEW
TYPICAL TRUSS UNIT

ASTM B221 Alloy 6061 Temper T6

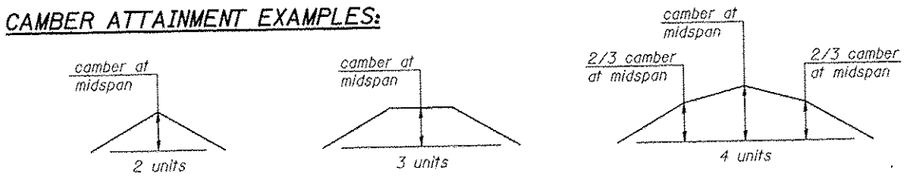
Note:
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.



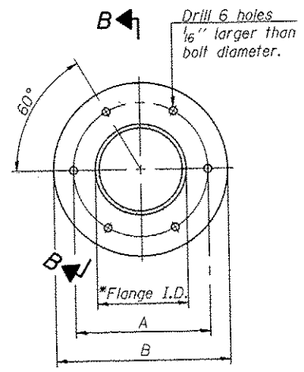
CAMBER DIAGRAM

Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

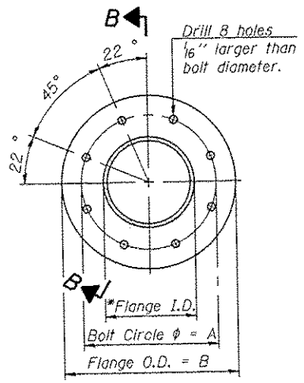
CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)



TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A

SPLICING FLANGES

ASTM B221, Alloy 6061-T6
or ASTM B209, Alloy 6061-T651
*To fit O.D. of Chord with maximum gap of 1/16".

OS4-A-2 6-1-12

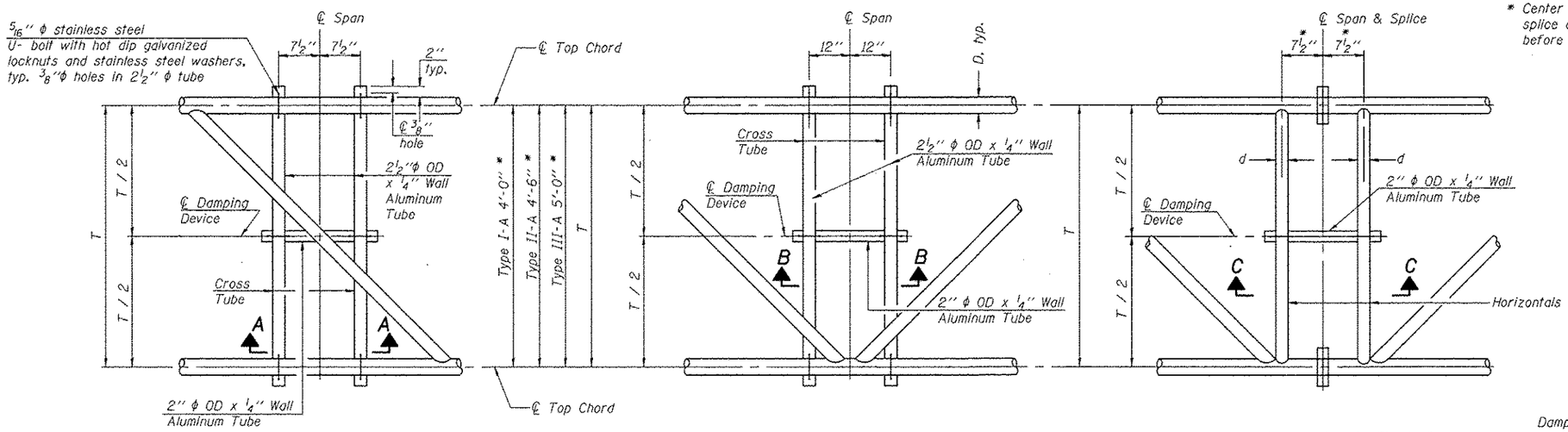
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES – ALUMINUM TRUSS DETAILS FOR TRUSS TYPES I-A, II-A AND III-A

SCALE: | SHEET NO. 6 OF 15 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	406
		CONTRACT NO. 60131		
		ILLINOIS FED. AID PROJECT		



* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.

PLAN DETAIL "A"
℄ Span between Panel Points

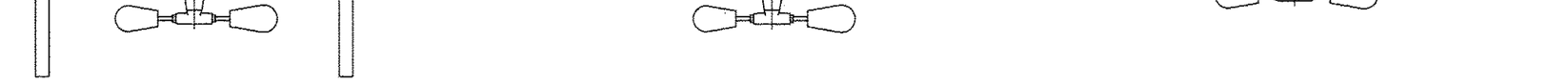
PLAN DETAIL "B"
℄ Span at Panel Point

PLAN DETAIL "C"
℄ Span at ℄ Chord Splice

NOTES

Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29" minimum between ends of weights) Cost included in Overhead Sign Structure...

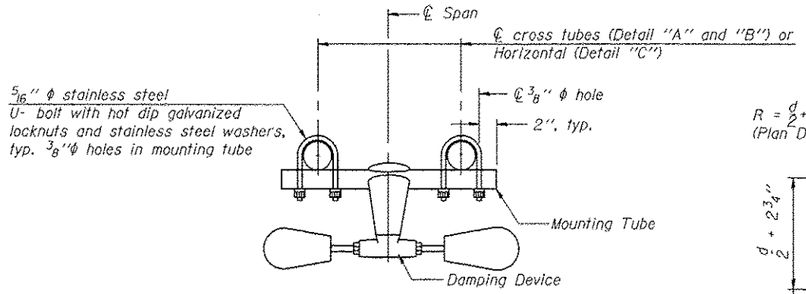
Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



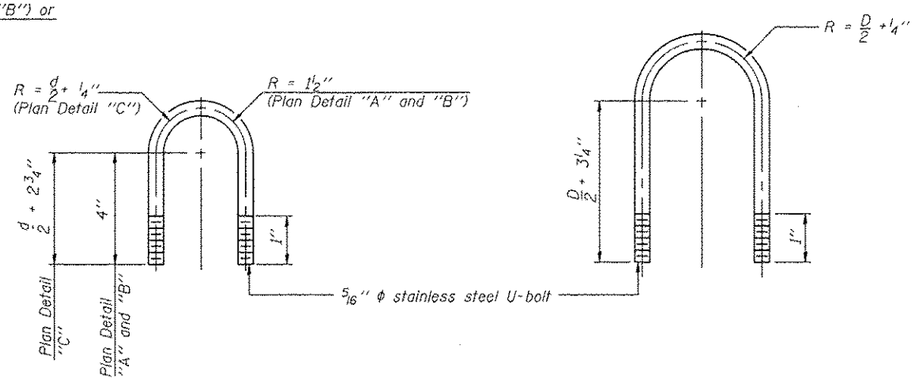
SECTION A-A

SECTION B-B

SECTION C-C

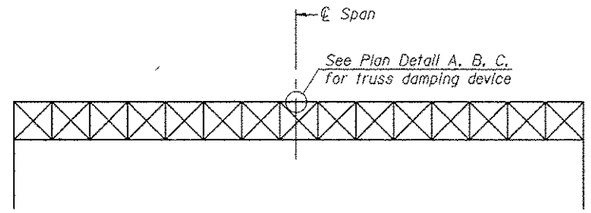


TRUSS DAMPING DEVICE CONNECTION DETAIL
(Typical)



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)

TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical - Detail "A" and "B")



ELEVATION
Aluminum Overhead Sign Truss

OS-A-D 6-1-12

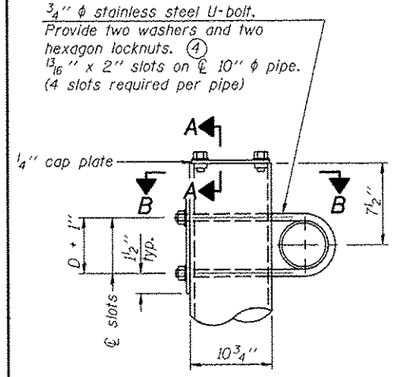
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

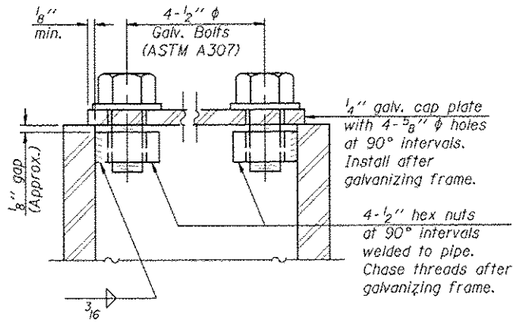
OVERHEAD SIGN STRUCTURE
DAMPING DEVICE

SCALE: | SHEET NO. 7 OF 15 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	407
		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

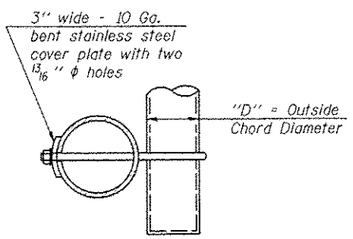


DETAIL A

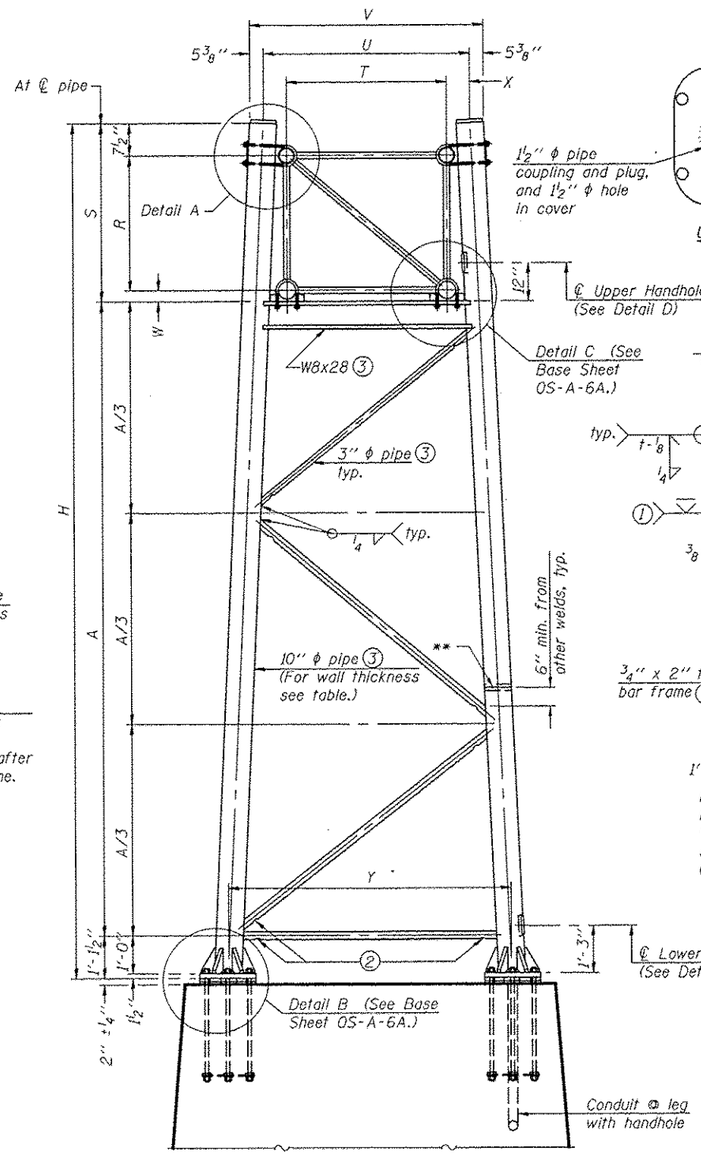


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.

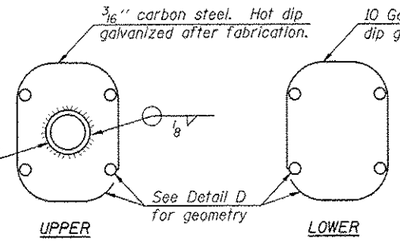


SECTION B-B

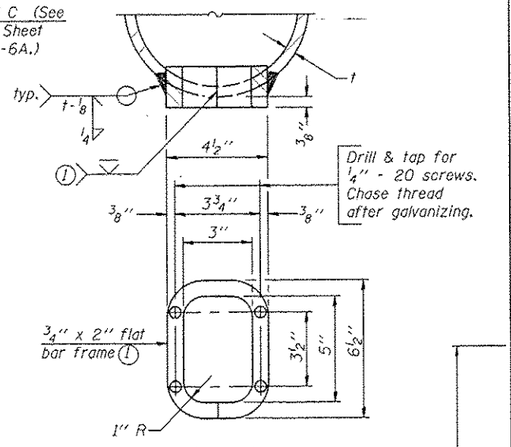


For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION

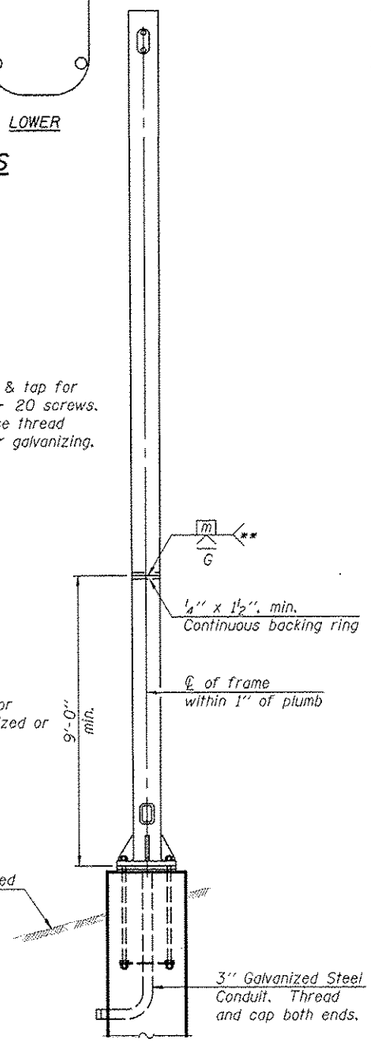


HANDHOLE COVERS



Provide 6 1/2" x 4 1/2" cover.
Provide 4-5/16" ϕ holes in cover for 1/4"-20 round head hot dip galvanized or stainless steel machine screws.
(See cover details)

DETAIL D



END ELEVATION

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 min 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.

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5 1/2"	4'-0"	5'-6"	6'-4 3/4"	4"	9"	8'-3"
II-A (5)	5'-3"	6'-3 1/4"	4'-6"	6'-1"	6'-11 3/4"	4 3/4"	9 1/2"	8'-3"

10" ϕ PIPE TRUSS SUPPORT FRAME

** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H (6)	A
		Left	Right				
IS022S059L1	810+00	X		II-A	0.365	25.753	18.358
			X		0.365	27.493	20.098
IS022S059R2	914+05	X		II-A	0.365	26.483	19.088
			X		0.365	28.333	20.938
IS022S059L3	827+43	X		II-A	0.365	26.213	18.818
			X		0.365	29.013	21.618

OS-A-6 6-1-12

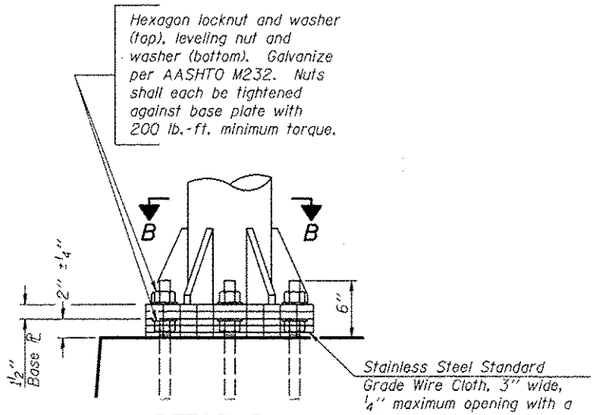
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR ALUMINUM TRUSS

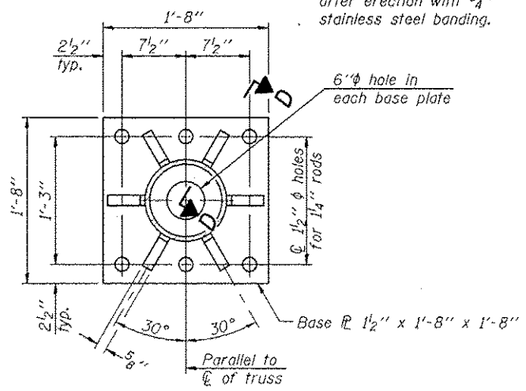
SCALE: | SHEET NO. 8 OF 15 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	408
		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

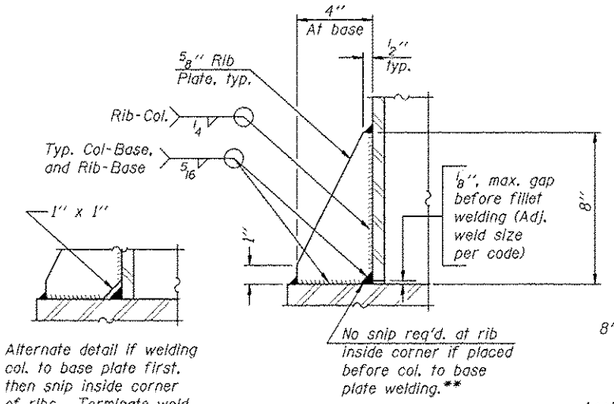


DETAIL B

Ribs shall be cut to fit slope of pipe.

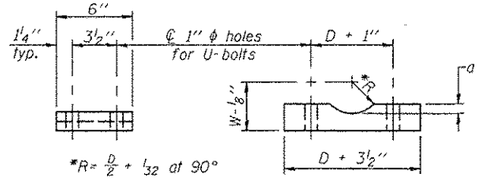


SECTION B-B



** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.

SECTION D-D



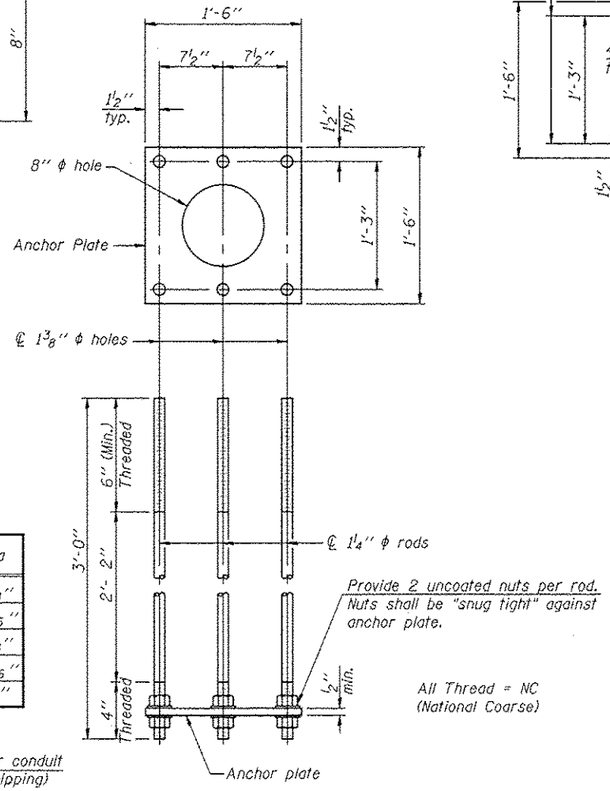
*R = D/2 + 1/32 at 90°

D = Outside Diameter of Chord.
For W, see Base Sheet OS-A-6.

SADDLE SHIM DETAIL

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

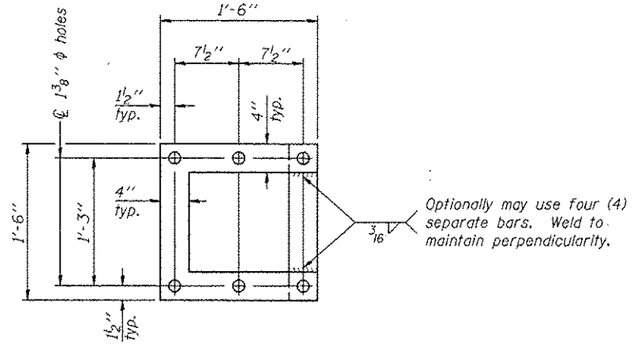
Truss Chord Nominal Dia.	d
5"	3/4"
5 1/2"	13/16"
6"	7/8"
6 1/2"	15/16"
7"	1"



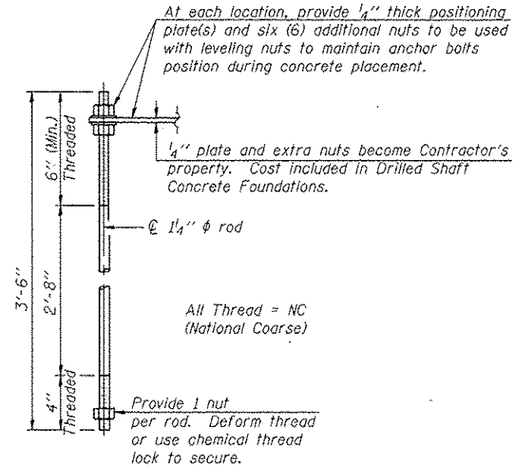
All Thread = NC
(National Coarse)

ANCHOR ROD DETAIL

Spread Footing Foundation



POSITIONING PLATE(S)

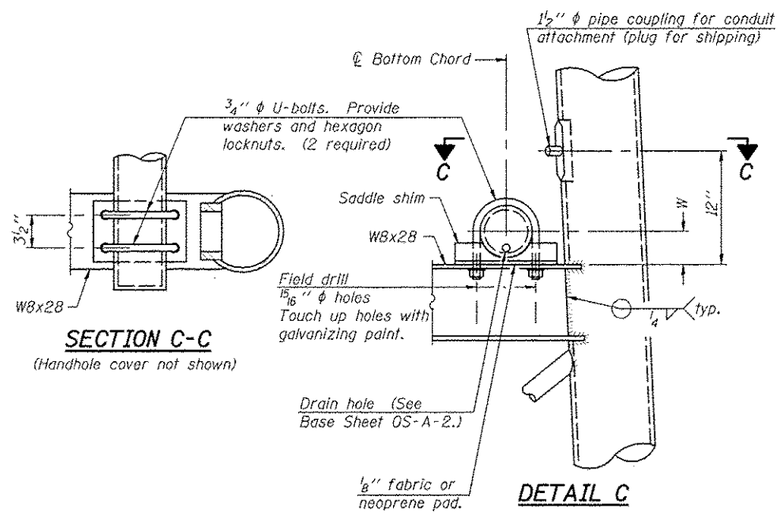


All Thread = NC
(National Coarse)

ANCHOR ROD DETAIL

Drilled Shaft Foundation

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.



SECTION C-C

(Handhole cover not shown)

DETAIL C

10" ϕ PIPE SUPPORT FRAME DETAILS

OS-A-6A 6-1-12

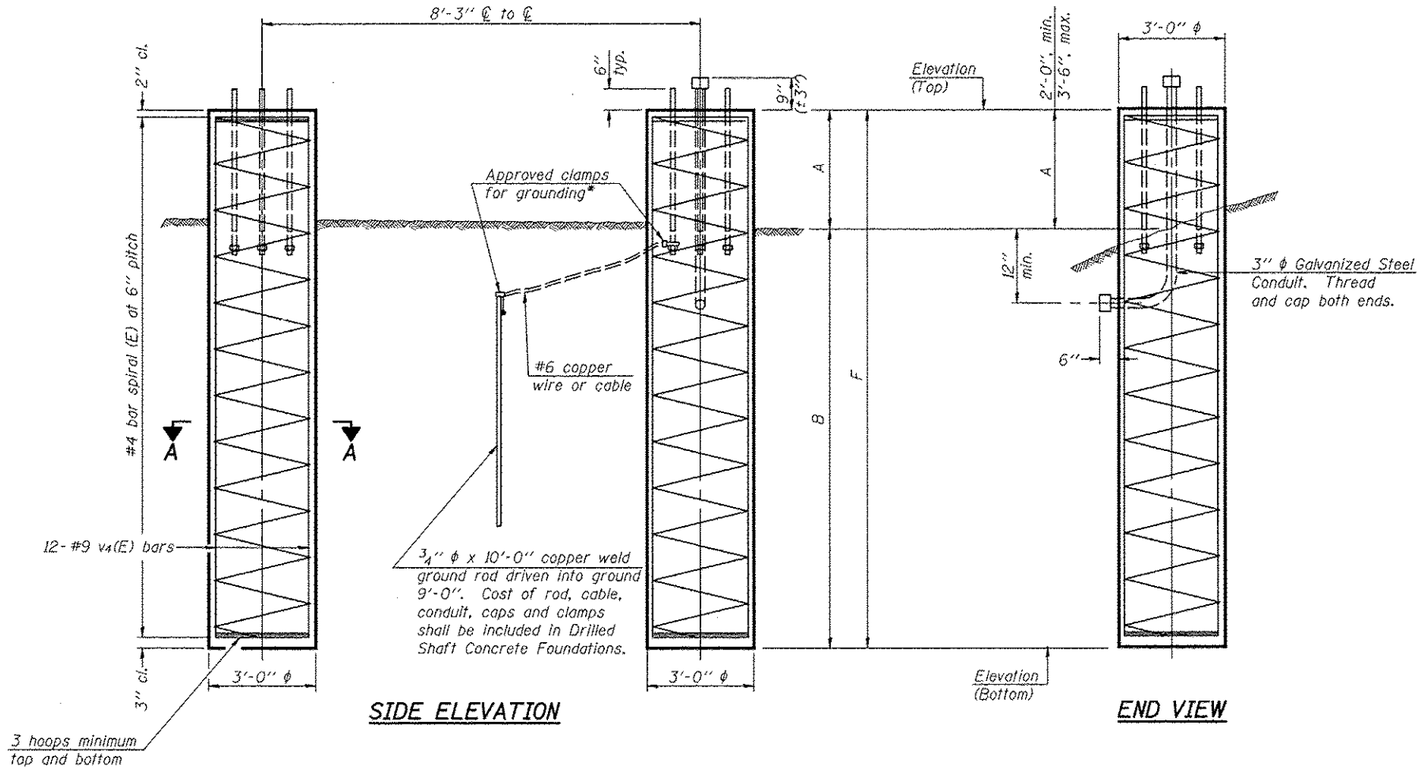
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED P.J.O	REVISED -
		DRAWN K.E.S	REVISED -
	PLOT SCALE = $SCALE$	CHECKED J.C.M	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME DETAILS – ALUMINUM TRUSS

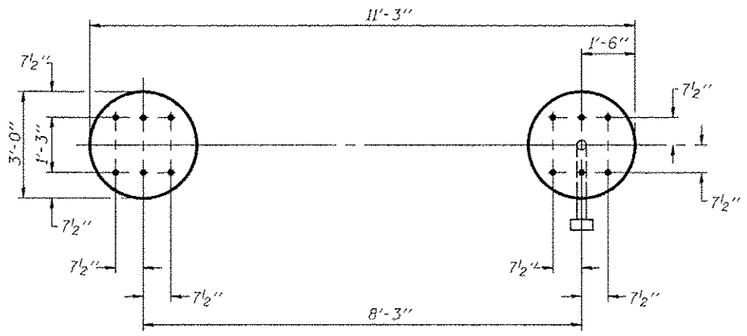
SCALE: | SHEET NO. 9 OF 15 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	409
		CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



SIDE ELEVATION

END VIEW



PLAN

For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	———
#4 bar spiral (E) - see Side Elevation				

NOTES:

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 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.

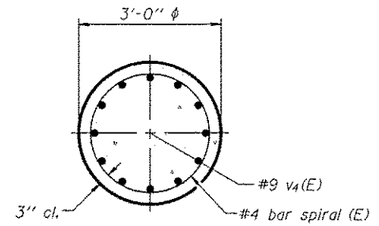
No sonotubes or decomposable forms shall be used below the lower conduit entrance.

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.



SECTION A-A

DETAILS FOR 10" ϕ SUPPORT FRAME TYPE I-A or II-A TRUSS

Structure Number	Station	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
IS022S059L1	810+00	710.41	690.91	2'-0"	17'-6"	19'-6"	708.67	689.17	2'-0"	17'-6"	19'-6"	10.2
IS022S059R2	914+05	719.26	699.76	2'-0"	17'-6"	19'-6"	717.41	697.91	2'-0"	17'-6"	19'-6"	10.2
IS022S059L3	827+43	724.51	705.01	2'-0"	17'-6"	19'-6"	721.71	702.21	2'-0"	17'-6"	19'-6"	10.2

OS4-F3 6-1-12

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

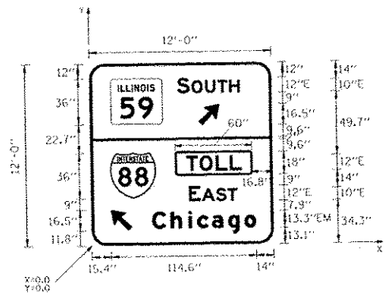
OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS

SCALE: | SHEET NO. 10 OF 15 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	410
		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

SIGN DETAIL

1:75



SIGN NUMBER	SB-IL59-BS-6
WIDTH x HGHT.	12'-0" x 12'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: AP SHEETING
	COLOR: Green
LEGEND&BORDER	TYPE: AP SHEETING
	COLOR: White /BlackWhite

SYMBOL	ROT	X	Y	WID	HT
M1-1100A-2-32-150	0	16.8	96	40.5	36
AR_Type A	315	85.8	94.5	13.3	20.9
M1_1	0	15.4	37.3	38	36
AR_Type A	45	15.4	11.8	13.3	20.9

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

Letter locations are panel edge to lower left corner

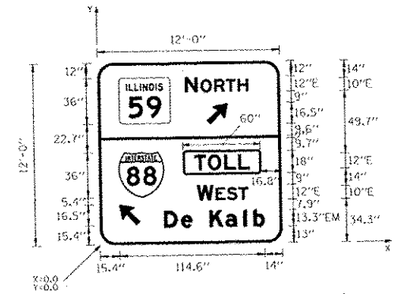
LETTER POSITIONS (X)

S	O	U	T	H																LENGTH	SERIES/SIZE
69.3	80.8	91.5	101.3	110.5																49.4	E 2000 12,10
T	O	L	L																		E 2000
75.5	86.2	99	110.1																	43.6	12
E	A	S	T																		E 2000
77.2	87.5	99.8	108																	38.2	12,10
C	h	i	c	a	g	o															EM 2000
47.9	62.4	76.6	83.4	95.1	108	121														82.1	13.310

GM01

SIGN DETAIL

1:75



SIGN NUMBER	NB-IL59-BS-6
WIDTH x HGHT.	12'-0" x 12'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: AP SHEETING
	COLOR: Green
LEGEND&BORDER	TYPE: AP SHEETING
	COLOR: White /BlackWhite

SYMBOL	ROT	X	Y	WID	HT
M1-1100A-2-32-150	0	16.7	96	40.5	36
AR_Type A	315	85.8	94.5	13.3	20.9
M1_1	0	15.4	37.3	38	36
AR_Type A	45	15.4	11.4	13.3	20.9

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

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

N	O	R	T	H																LENGTH	SERIES/SIZE
69.2	81.5	92.2	101.4	110.6																49.5	E 2000 12,10
T	O	L	L																		E 2000
75.5	86.2	99	110																	43.6	12
W	E	S	T																		E 2000
77.2	91.7	100.6	109.8																	40.1	12,10
D	e	L	K	a	l	b															EM 2000
50.7	64.3	73.1	86.4	99.1	113.2	121.2														79.3	13.310

GM02

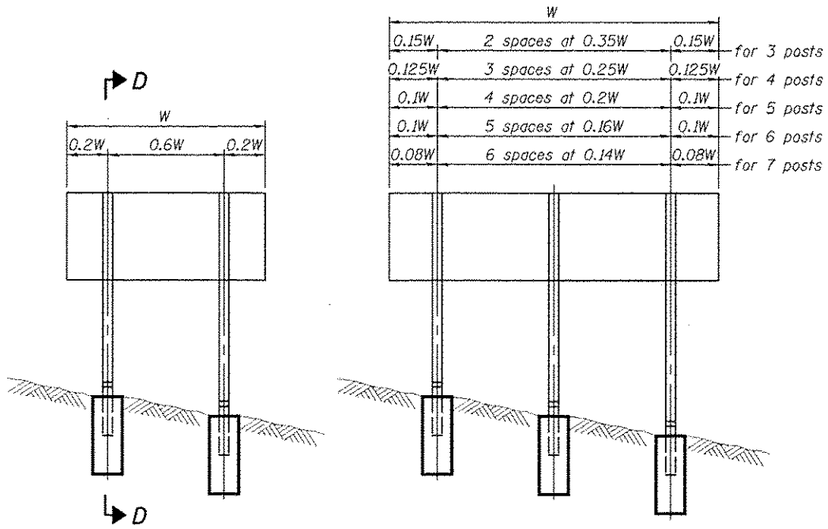
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED P.JO	REVISED -
		DRAWN K.E.S	REVISED -
	PLOT SCALE = $SCALE$	CHECKED J.C.M	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

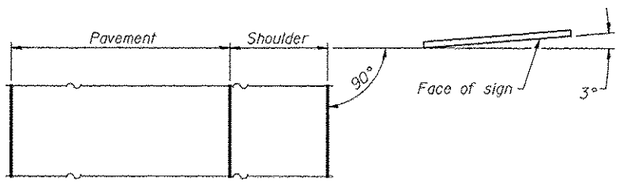
SIGN STRUCTURES
PROPOSED BREAKAWAY GROUND MOUNTED SIGNS
GM01 & GM02 (IDOT)

SCALE: | SHEET NO. 11 OF 15 SHEETS | STA. | TO STA.

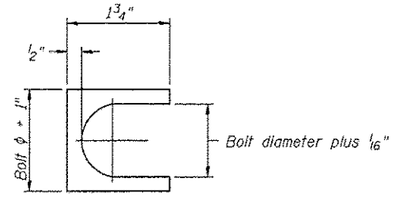
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	411
		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



ELEVATION

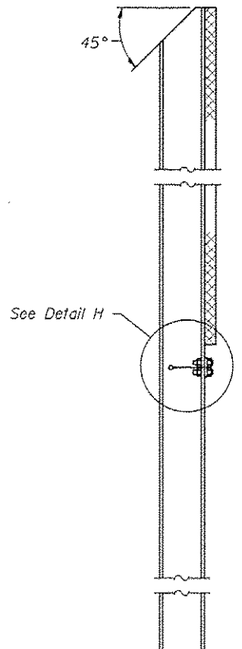


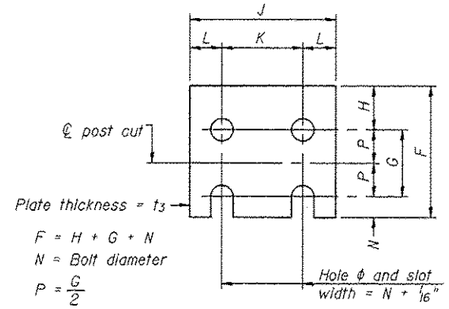
LOCATION SKETCH



SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

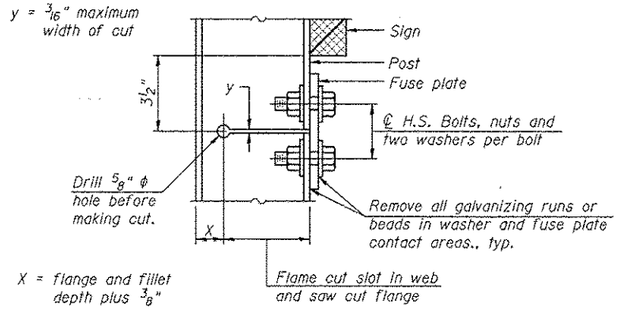




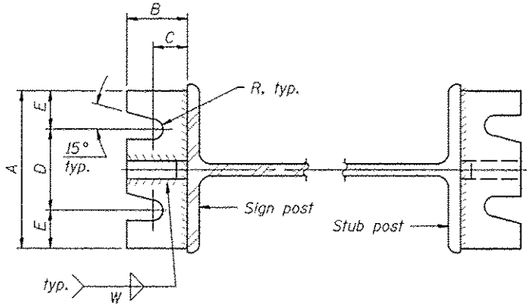
FUSE PLATE DATA		
N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"

FUSE PLATE DETAIL

(Install with notches down.)

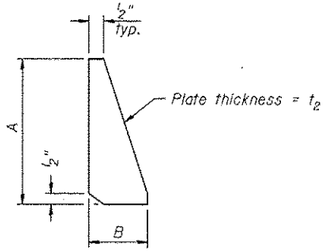


DETAIL H



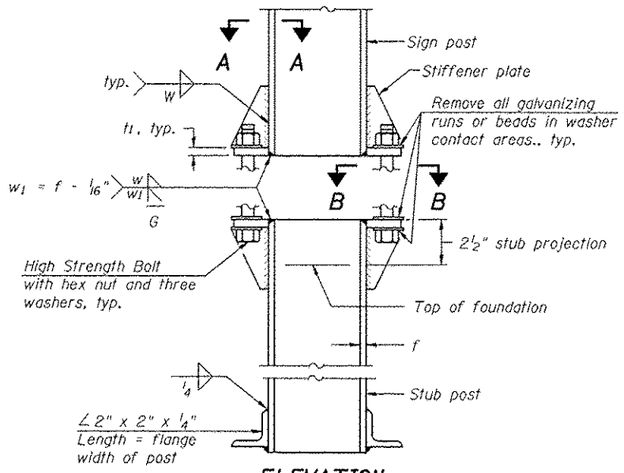
SECTION A-A

SECTION B-B

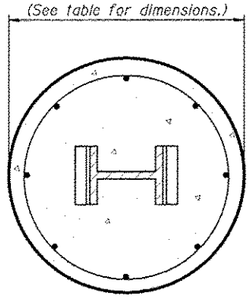


STIFFENER PLATE DETAIL

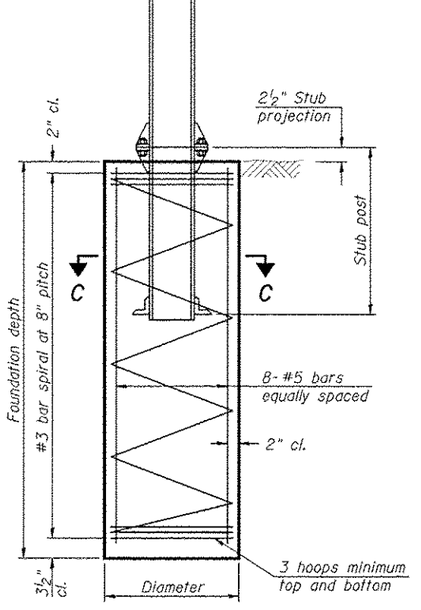
Diameter



ELEVATION
SIGN POST & STUB POST



SECTION C-C



SECTION D-D

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
Structural steel - 20,000 p.s.i.
Reinforcing steel - 20,000 p.s.i.
Concrete - 1,400 p.s.i.
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

BAW-A-1 6-1-12

(Sheet 1 of 2)

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS

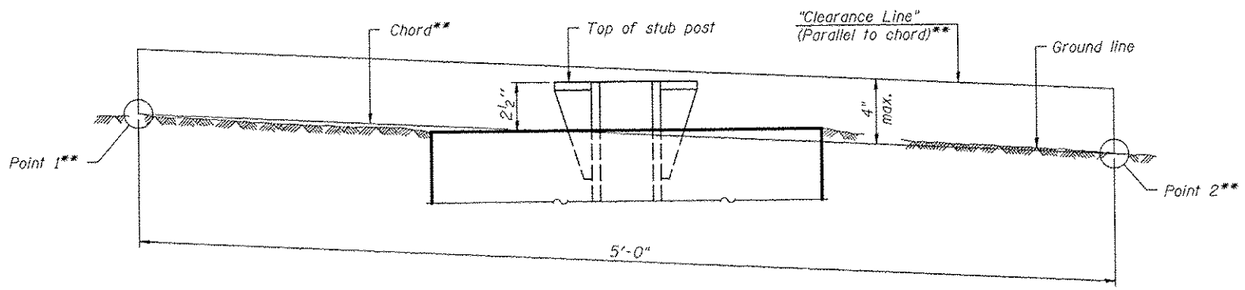
SCALE: | SHEET NO. 12 OF 15 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	412
		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

POST	CONCRETE FOUNDATION TABLE								POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA			
	Foundation			Reinforcement				Stub Post														
	Diameter	* Minimum Depth	Concrete (1) cu. yds.)	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length	lbs. (2)	Length	Bolt Size	A	B	C	D	E	t_1	t_2	R	W	J	K	L	t_3
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-3"	⅝" x 3¼"	6"	2¼"	1¼"	3½"	1¼"	¾"	½"	11/32"	¼"	4"	2¼"	⅞"	¼"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	⅝" x 3¼"	6"	2¼"	1¼"	3½"	1¼"	¾"	½"	11/32"	¼"	6"	3½"	1¼"	⅜"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	¾" x 3¾"	6"	2½"	1⅜"	3¼"	1⅜"	1"	½"	13/32"	5/16"	5¼"	2¾"	1¼"	⅜"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2½"	105'-0"	92	3'-0"	¾" x 3¾"	6"	2½"	1⅜"	3¼"	1⅜"	1"	½"	13/32"	5/16"	5¾"	2¾"	1½"	½"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2½"	112'-0"	98	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	5¾"	2¾"	1½"	⅝"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2½"	119'-0"	107	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	6½"	3½"	1½"	⅝"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8½"	145'-0"	113	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	6¾"	3½"	1⅝"	½"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8½"	153'-0"	122	3'-6"	1" x 4½"	7½"	3"	1¾"	4"	1¾"	1¼"	¾"	17/32"	⅜"	6¾"	3½"	1⅝"	½"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8½"	162'-0"	130	3'-6"	1" x 4½"	7½"	3"	1¾"	4"	1¾"	1¼"	¾"	17/32"	⅜"	7"	3½"	1¾"	½"

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																			
	Sign Height																			
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	½" x 1½"	½" x 1½"	½" x 1½"	½" x 1½"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
W6x15	½" x 1¾"	½" x 1¾"	½" x 1¾"	⅝" x 2"	⅝" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	—	—	—	—	—	—	—	—	—	—	—
W8x18	½" x 1¾"	½" x 1¾"	½" x 1¾"	½" x 1¾"	⅝" x 2"	⅝" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	—	—	—	—	—	—	—	—	—	—
W10x22	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2"	⅝" x 2"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	—	—	—	—	—	—	—	—
W10x26	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	—	—	—	—	—	—	—
W12x26	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	—	—	—	—	—	—
W14x30	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2"	⅝" x 2"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	—	—	—	—	—
W14x38	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	⅞" x 2½"	⅞" x 2½"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"
W16x45	—	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	⅞" x 2½"	⅞" x 2½"	⅞" x 2½"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"



ELEVATION
GROUND LINE & STUB POST

** For all "Point 1" and "Point 2" locations. "Clearance Line" must be at or above top of stub post.

(1) Quantity includes all concrete necessary for one foundation.

(2) Includes reinforcement bars and spiral hooping for one foundation.

BAW-A-2 6-1-12

(Sheet 2 of 2)

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

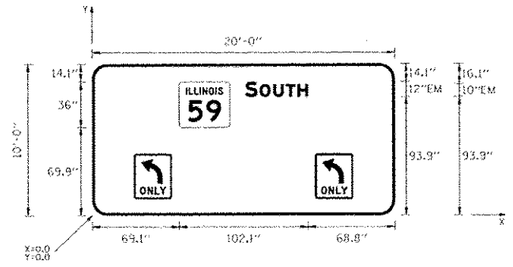
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE
STEEL SIGN POST TABLES

SCALE: | SHEET NO. 13 OF 15 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	413
		CONTRACT NO. 60131		
ILLINOIS FED. AID PROJECT				

SIGN DETAIL
1:75



SIGN NUMBER	G-IT-01ML
WIDTH x HGHT.	20'-0" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-1100A-2-32-15D	0	69.1	69.9	40.5	36
R3-5L	0	33	13	30	36
R3-5L	0	177	13	30	36

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

Letter locations are panel edge to lower left corner

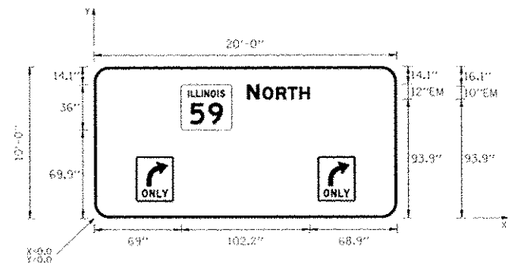
LETTER POSITIONS (X)

S	O	U	T	H	LENGTH	SERIESSIZE
121.6	133.2	144	153.9	163.1	49.6	EM 2000 12.10

FOR INFORMATION ONLY

SIGN PANEL TO BE FURNISHED BY THE ILLINOIS TOLLWAY. CONTRACTOR TO PICK UP SIGN PANELS FROM THE ILLINOIS TOLLWAY SIGN SHOP.

SIGN DETAIL
1:75



SIGN NUMBER	G-IT-01BR
WIDTH x HGHT.	20'-0" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-1100A-2-32-15D	0	69	69.9	40.5	36
R3-5R	0	33	13	30	36
R3-5R	0	177	13	30	36

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

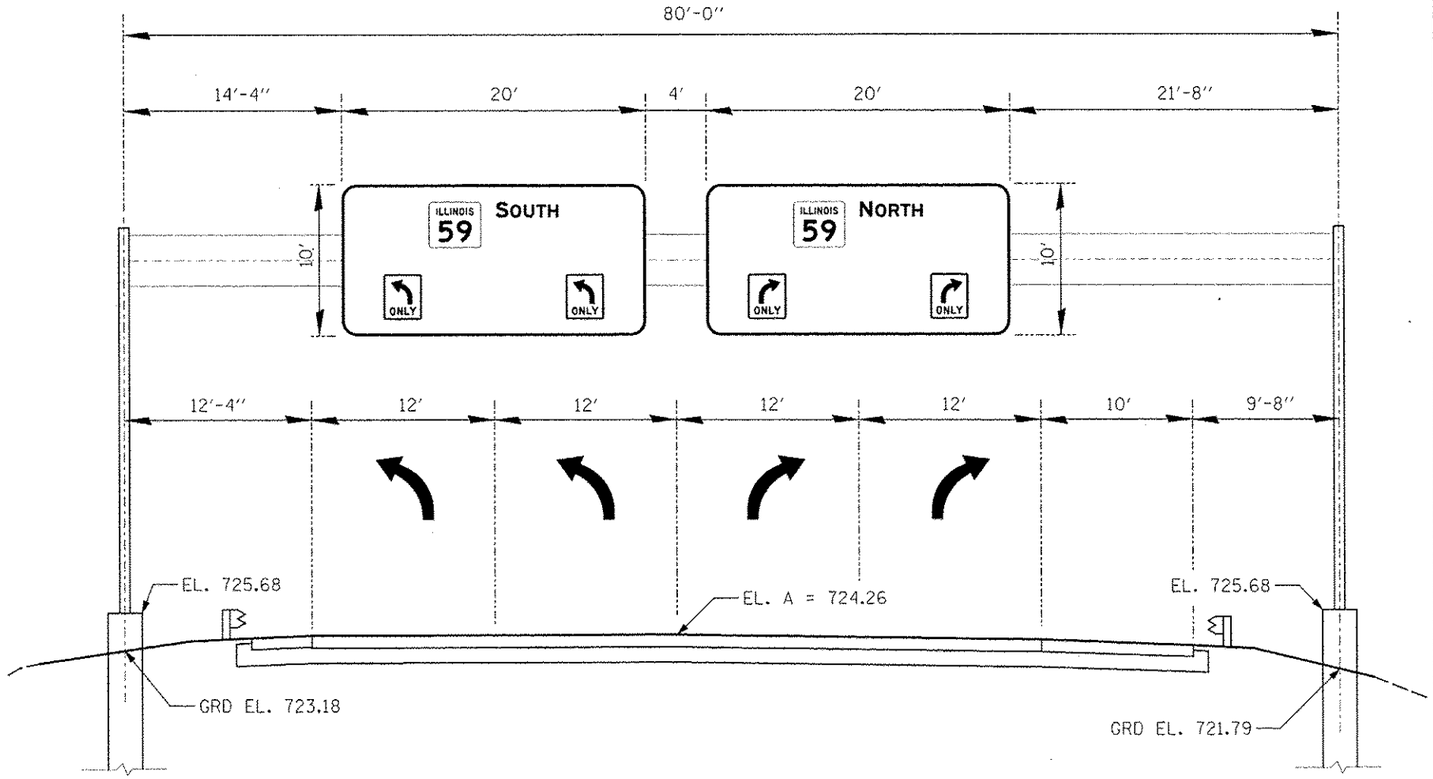
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

N	O	R	T	H	LENGTH	SERIESSIZE
121.5	133.8	144.6	153.8	163	49.6	EM 2000 12.10

FOR INFORMATION ONLY

SIGN PANEL TO BE FURNISHED BY THE ILLINOIS TOLLWAY. CONTRACTOR TO PICK UP SIGN PANELS FROM THE ILLINOIS TOLLWAY SIGN SHOP.



STRUCTURE NO. TOLLWAY 01
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
RAMP B, STA 8997+12

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

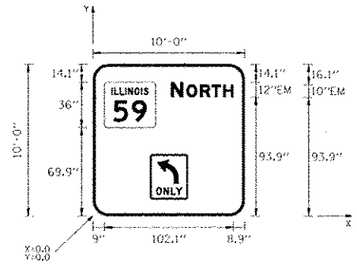
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN STRUCTURES
SPAN [TOLLWAY 01]

SCALE: | SHEET NO. 14 OF 15 SHEETS | STA. 8997+12 TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	414
		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

SIGN DETAIL
1:75



SIGN NUMBER	G-IT-02AL
WIDTH x HGHT.	10'-0" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING
	COLOR: WhiteWhite

SYMBOL	ROT	X	Y	WID	HT
M1-1100A-2-32-1SD	0	9	69.9	40.5	36
R3-5L	0	45	13	30	36

Panel Style: guide_exp_advance_intermediate.ssl
Dimensions are in inches.tenths

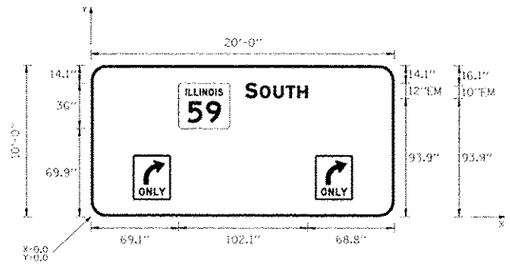
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)					LENGTH	SERIES/SIZE
N	O	R	T	H		EM 2000
61.5	73.8	84.6	93.8	103	49.6	12,10

FOR INFORMATION ONLY

SIGN PANEL TO BE FURNISHED BY THE ILLINOIS TOLLWAY. CONTRACTOR TO PICK UP SIGN PANELS FROM THE ILLINOIS TOLLWAY SIGN SHOP.

SIGN DETAIL
1:75



SIGN NUMBER	G-IT-02BR
WIDTH x HGHT.	20'-0" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING
	COLOR: WhiteWhite

SYMBOL	ROT	X	Y	WID	HT
M1-1100A-2-32-1SD	0	69.1	69.9	40.5	36
R3-5R	0	33	13	30	36
R3-5R	0	177	13	30	36

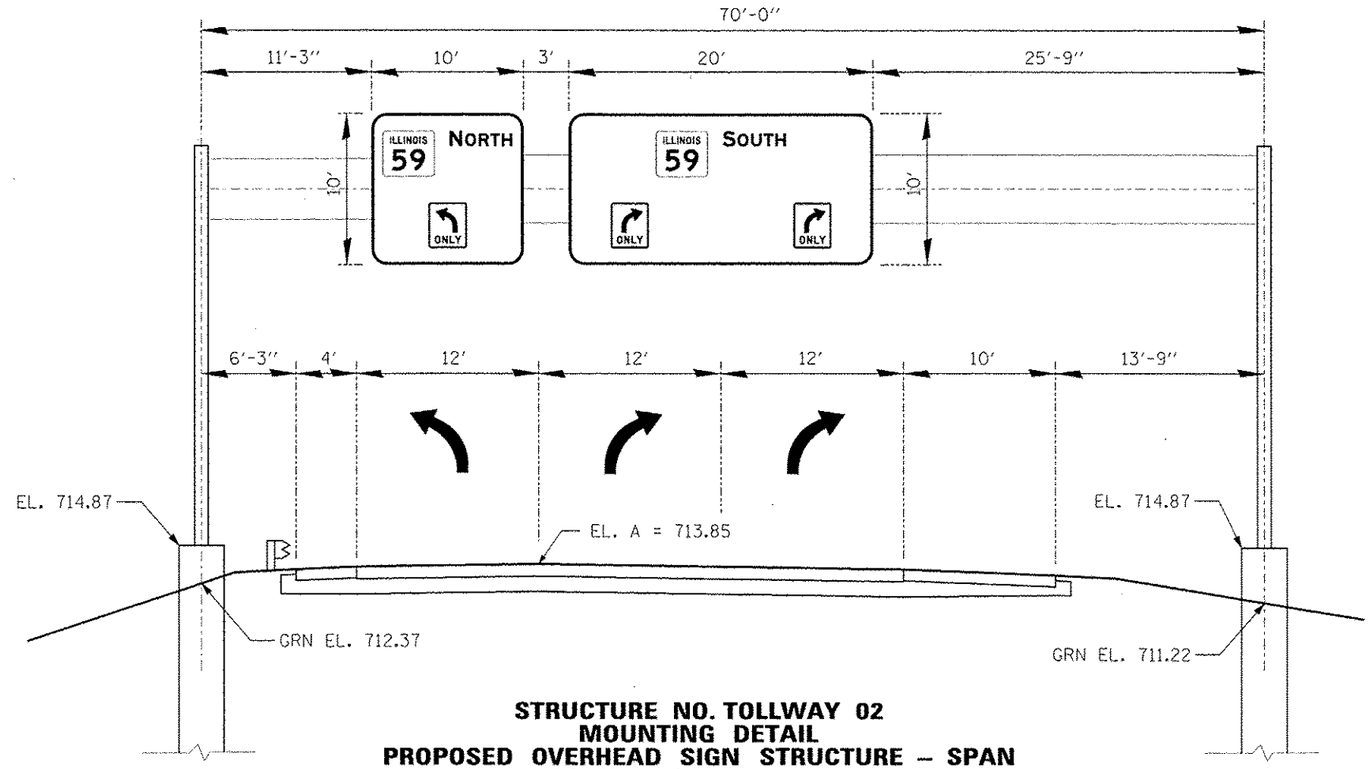
Panel Style: guide_exp_advance_intermediate.ssl
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)					LENGTH	SERIES/SIZE
S	O	U	T	H		EM 2000
121.6	133.2	144	153.9	163.1	49.6	12,10

FOR INFORMATION ONLY

SIGN PANEL TO BE FURNISHED BY THE ILLINOIS TOLLWAY. CONTRACTOR TO PICK UP SIGN PANELS FROM THE ILLINOIS TOLLWAY SIGN SHOP.



STRUCTURE NO. TOLLWAY 02
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
RAMP D, STA 1996+00

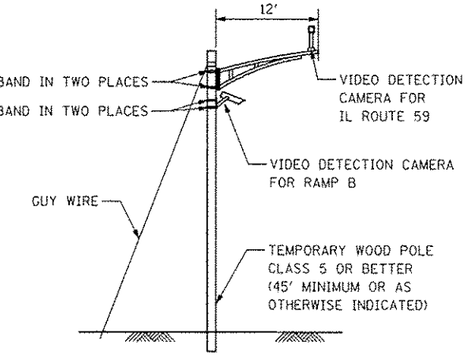
FILE NAME = $FILE1$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN STRUCTURES
SPAN [TOLLWAY 02]

SCALE: | SHEET NO. 15 OF 15 SHEETS | STA. 1996+00 TO STA.

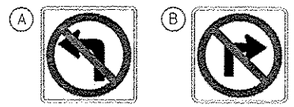
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	415
		CONTRACT NO. 60131		
		ILLINOIS FED. AID PROJECT		



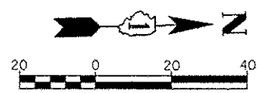
TEMPORARY VIDEO DETECTION MOUNTING DETAIL

NOT TO SCALE

NOTE: EACH VIDEO CAMERA SHALL BE MOUNTED ON A 12' ALUMINUM MAST ARM OR WOOD POLE AS INDICATED ABOVE. THIS WORK WILL BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.



INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: CITY OF NAPERVILLE

1 EACH LIGHT DETECTOR AND BEACON
1 EACH LIGHT DETECTOR AMPLIFIER

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT (CONTINUED)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)	2	EACH	STEEL MAST ARM AND POLE
7	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION	1	EACH	DUAL STEEL MAST ARM AND POLE
1	EACH	SIGNAL HEAD, 1-FACE, 4-SECTION	4	EACH	SIGNAL POST
3	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION	8	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION	1	EACH	SERVICE INSTALLATION
1	EACH	SIGNAL HEAD, 2-FACE, 5-SECTION			

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

PRESTAGE TEMPORARY TRAFFIC SIGNALS

SEE TEMPORARY CABLE PLAN FOR TEMPORARY TRAFFIC SIGNAL GENERAL NOTES

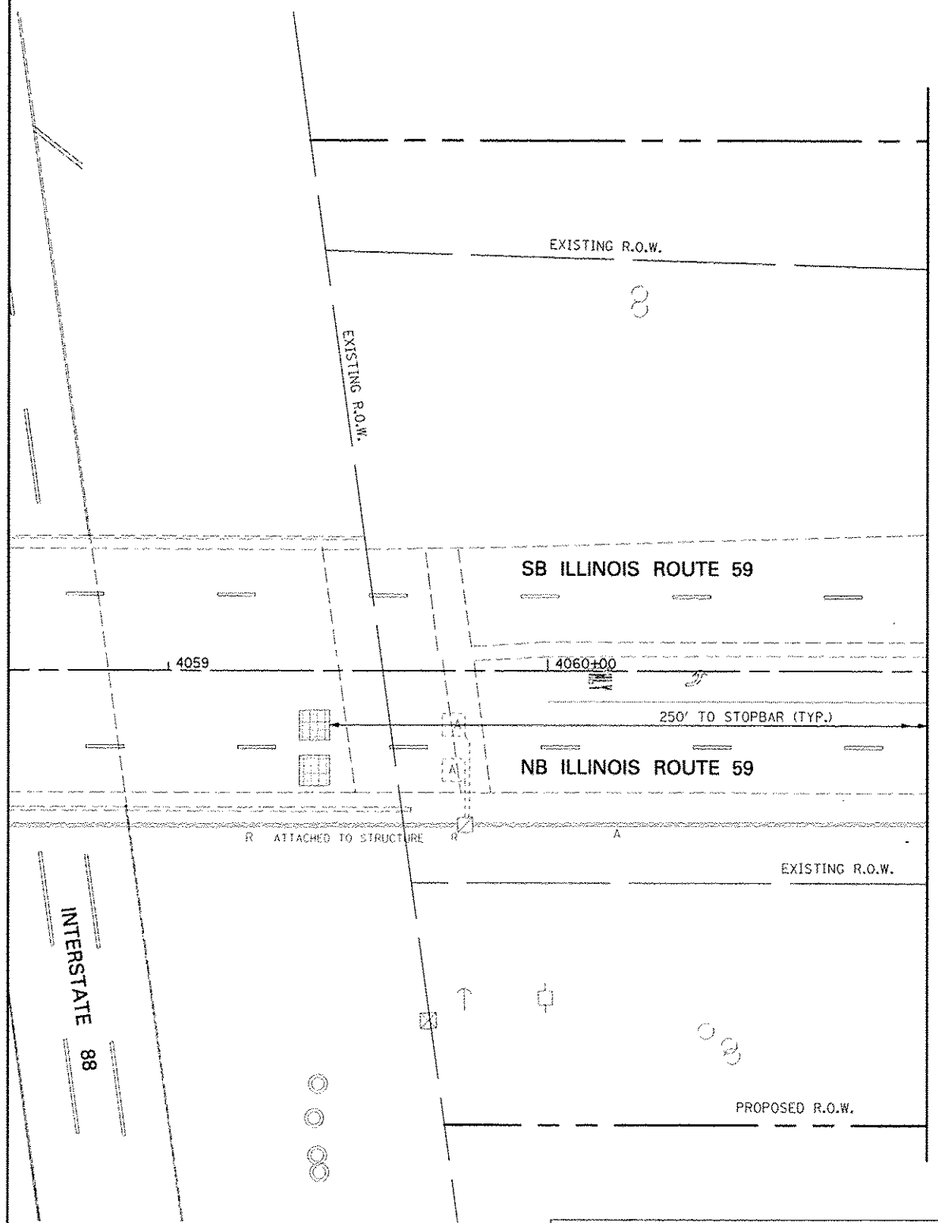
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

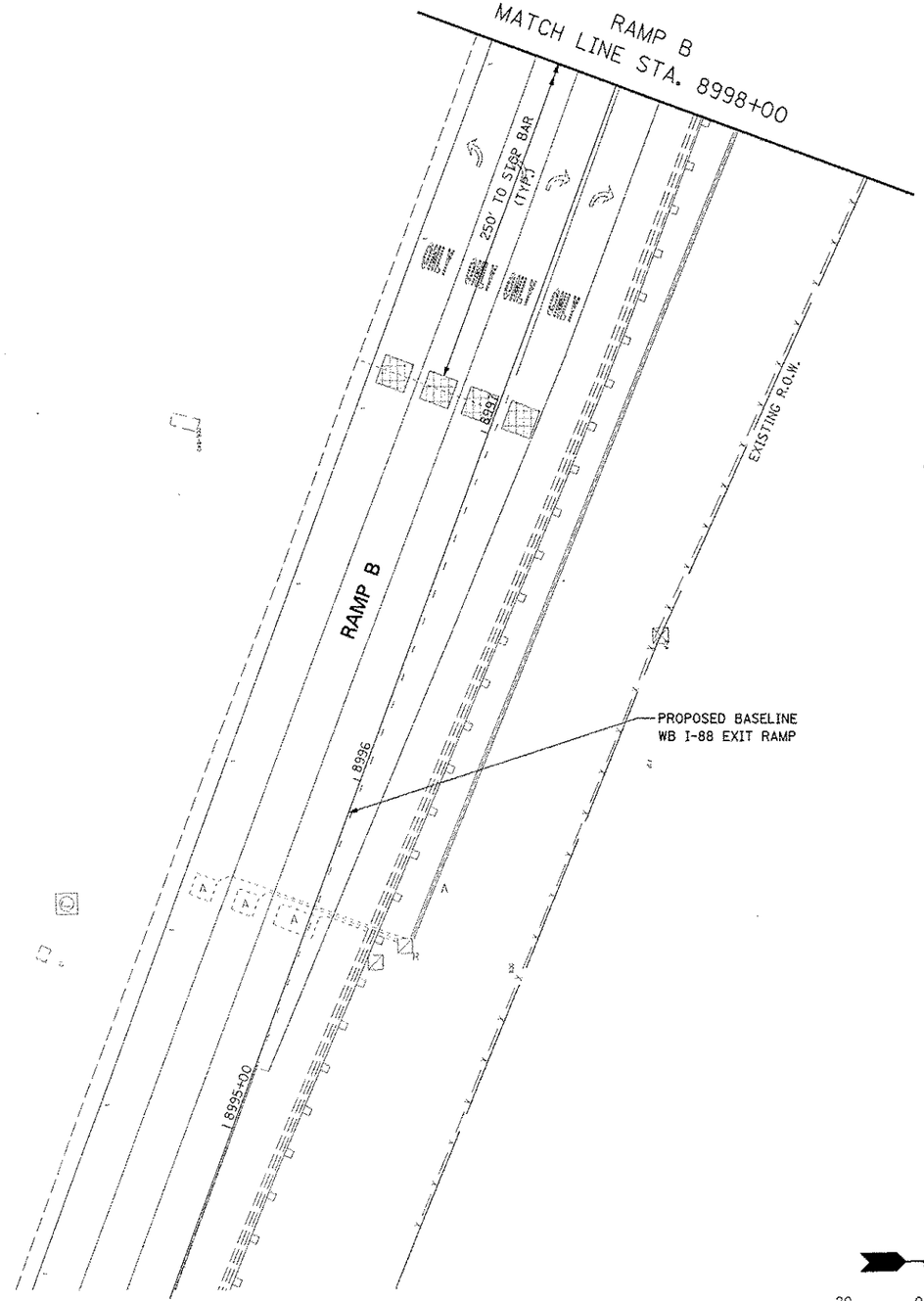
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING SIGNAL EQUIPMENT PLAN
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS

SCALE: AS SHOWN | SHEET NO. 1 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	416
	TS-1	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			





RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

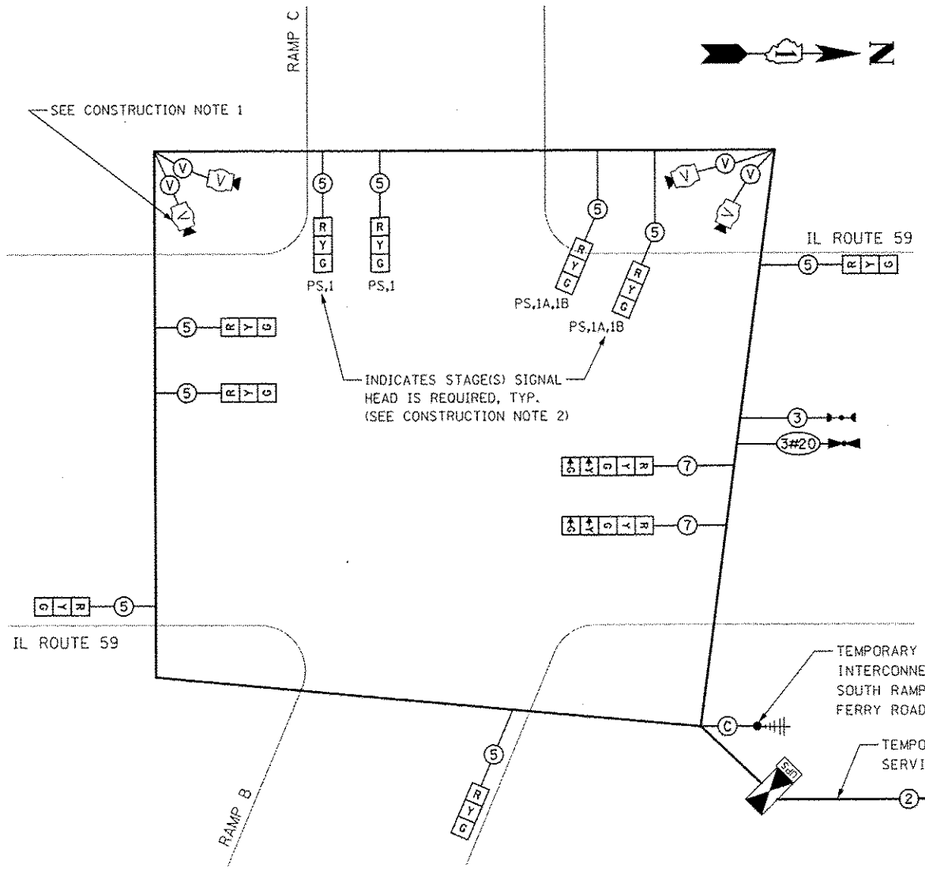
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING SIGNAL EQUIPMENT PLAN
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS

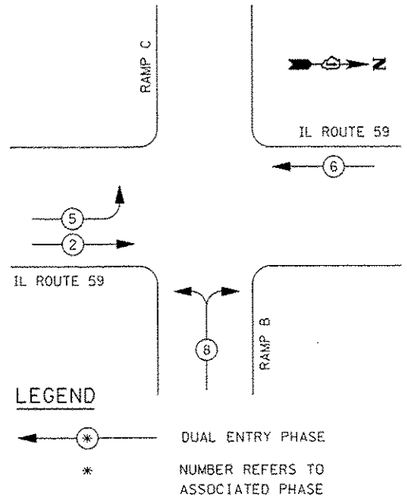
SCALE: AS SHOWN | SHEET NO. 2 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	417
	TS-2	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



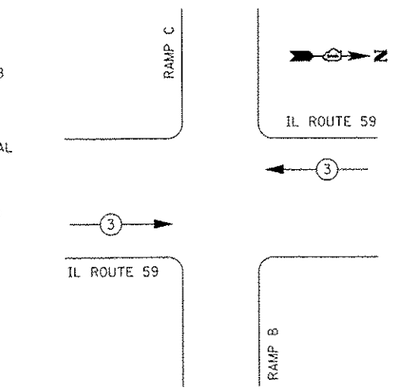
TEMPORARY SIGNAL CABLE PLAN

PRESTAGE, STAGE 1, STAGE 1A, STAGE 1B



TEMPORARY PHASE DESIGNATION DIAGRAM

PRESTAGE, STAGE 1, STAGE 1A, STAGE 1B



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	
MOVEMENT	← →	

EMERGENCY VEHICLE PREEMPTION SEQUENCE

PRESTAGE, STAGE 1, STAGE 1A, STAGE 1B

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, AND IF NO STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY REPSONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

CONSTRUCTION NOTES:

1. THE VIDEO CAMERA LOCATED IN THE SOUTHWEST QUADRANT IS TO BE DEACTIVATED DURING STAGES 1A AND 1B. THIS CAMERA WILL BE UTILIZED FOR DETECTION OF RAMP B VEHICULAR TRAFFIC DURING FUTURE STAGES OF CONSTRUCTION.
2. ANY TEMPORARY TRAFFIC SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED.

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	11		17	0.50	93.5
(YELLOW)	11		25	0.25	68.75
(GREEN)	11		15	0.25	41.25
ARROW	4		12	0.25	12
PED. SIGNAL	—		25	1.00	—
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
FLASHER				0.50	—
ENERGY COSTS TO:				TOTAL =	465.5

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: MARK SCHERIBEL
PHONE: 630-723-2128
COMPANY: COMED

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

PRESTAGE, STAGE 1, STAGE 1A, STAGE 1B

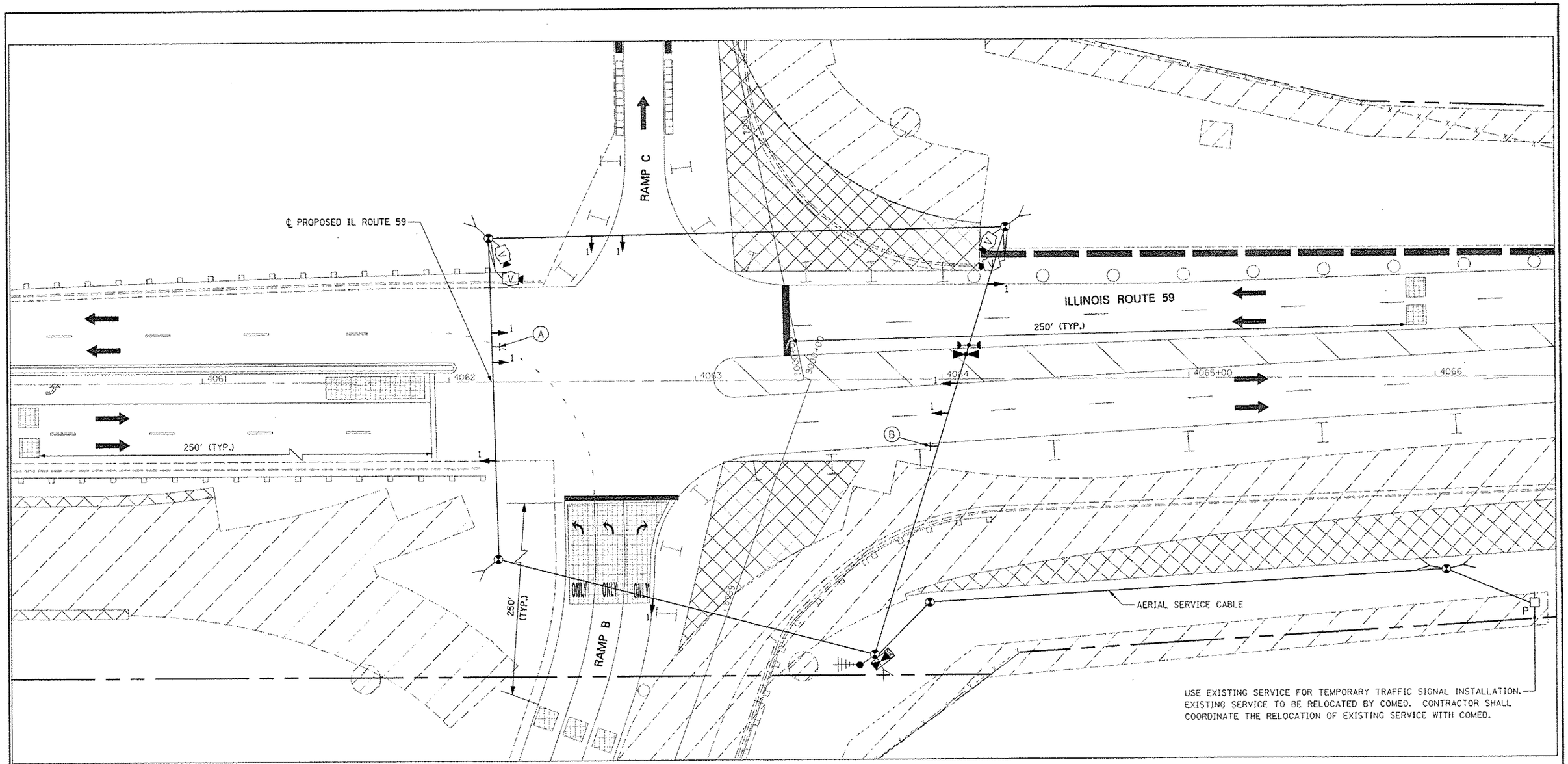
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS

SCALE: | SHEET NO. 3 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	418
	TS-3	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



STAGE 1 TEMPORARY TRAFFIC SIGNALS

SEE SHEET TS-3 FOR STAGE 1 TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

(A) R3-2, 36" x 36", 1 REQUIRED

(B) R3-1, 36" x 36", 1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

N

20 0 20 40

SCALE IN FEET

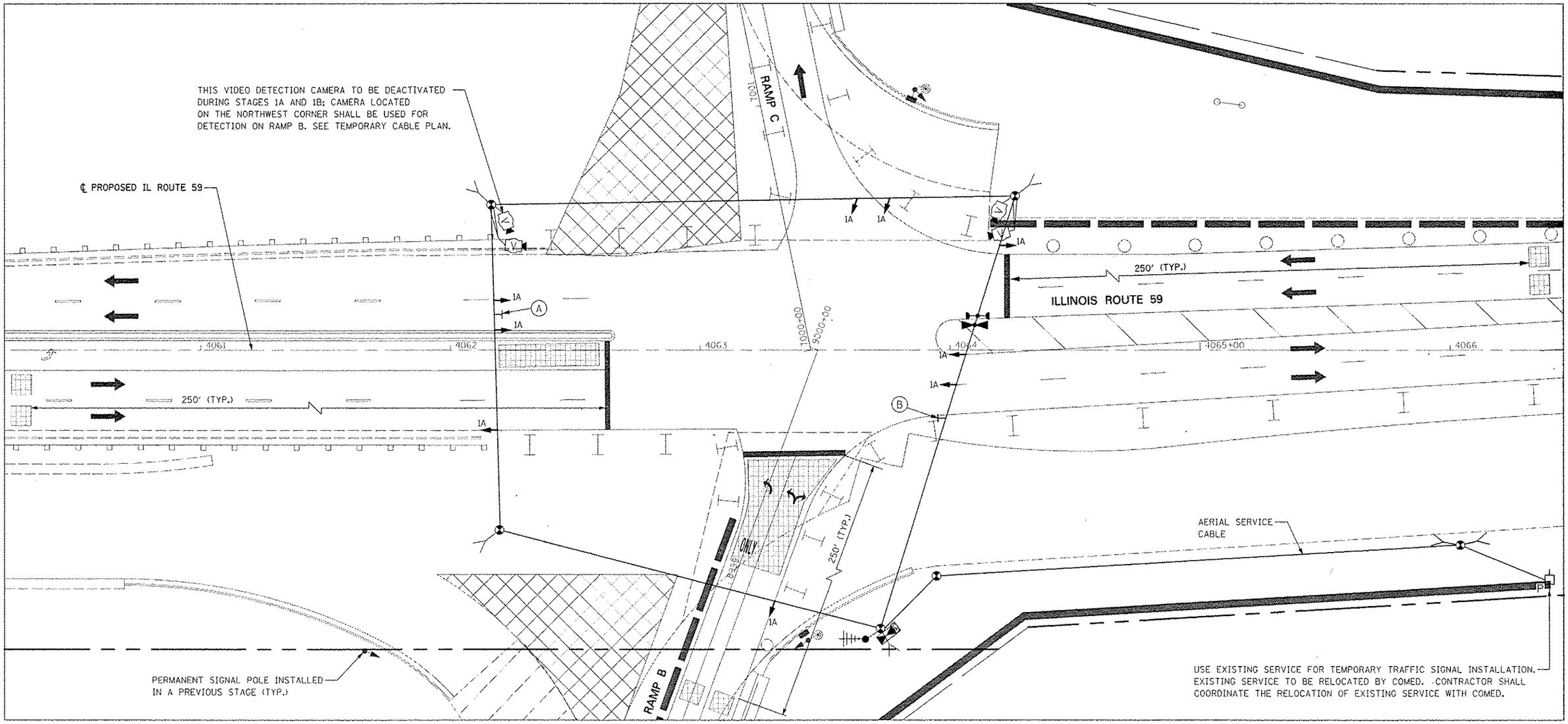
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS

SCALE: AS SHOWN | SHEET NO. 4 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	012 & 113) WRS-5	DUPAGE	963	419
TS-4		CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



STAGE 1A TEMPORARY TRAFFIC SIGNALS

SEE SHEET TS-3 FOR STAGE 1A TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

(A) R3-2, 36" x 36", 1 REQUIRED

(B) R3-1, 36" x 36", 1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

20 0 20 40

SCALE IN FEET

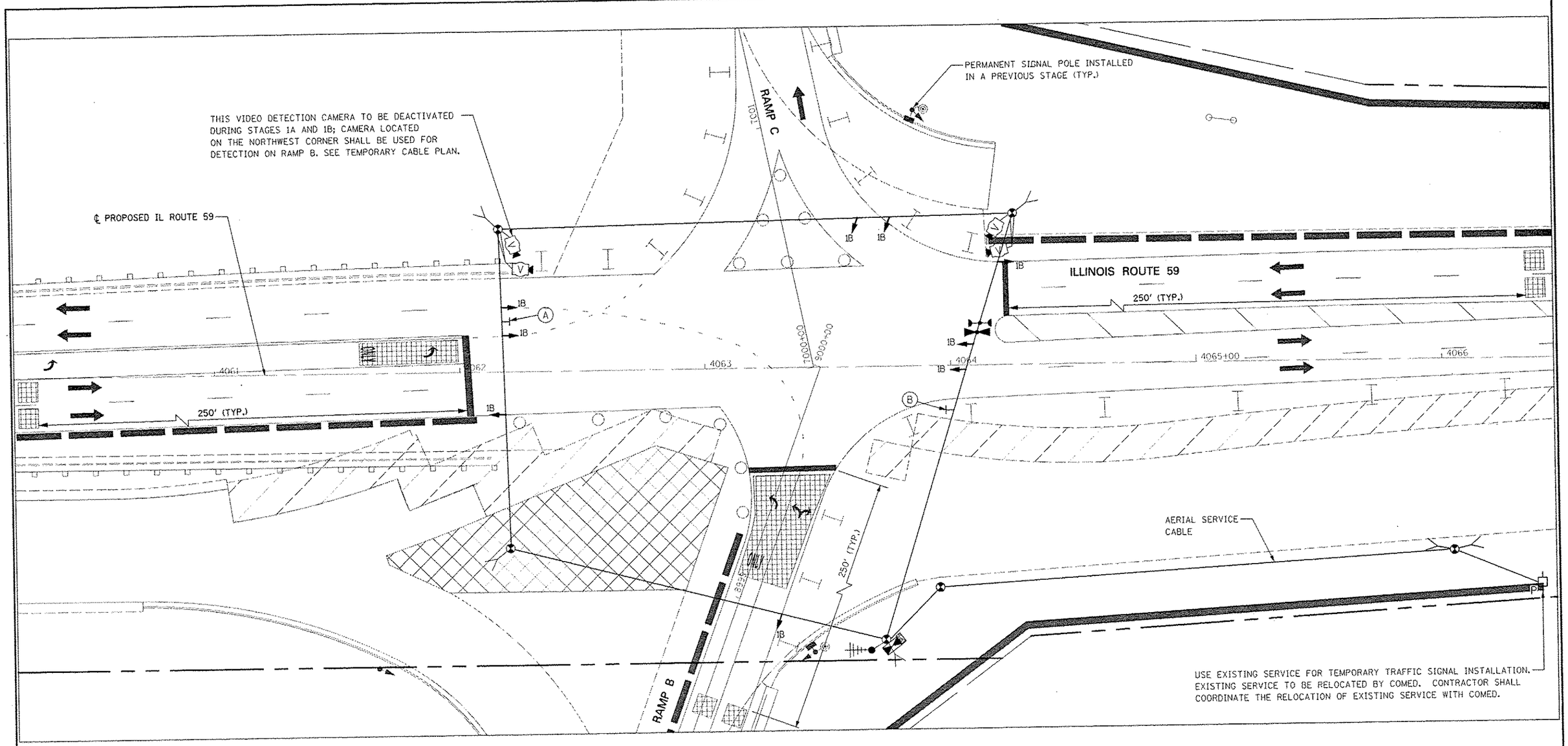
FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGES 1A
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS

SCALE: AS SHOWN | SHEET NO. 5 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	420
TS-5		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



STAGE 1B TEMPORARY TRAFFIC SIGNALS

SEE SHEET TS-3 FOR STAGE 1B TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

(A) R3-2, 36" x 36", 1 REQUIRED

(B) R3-1, 36" x 36", 1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

N

20 0 20 40

SCALE IN FEET

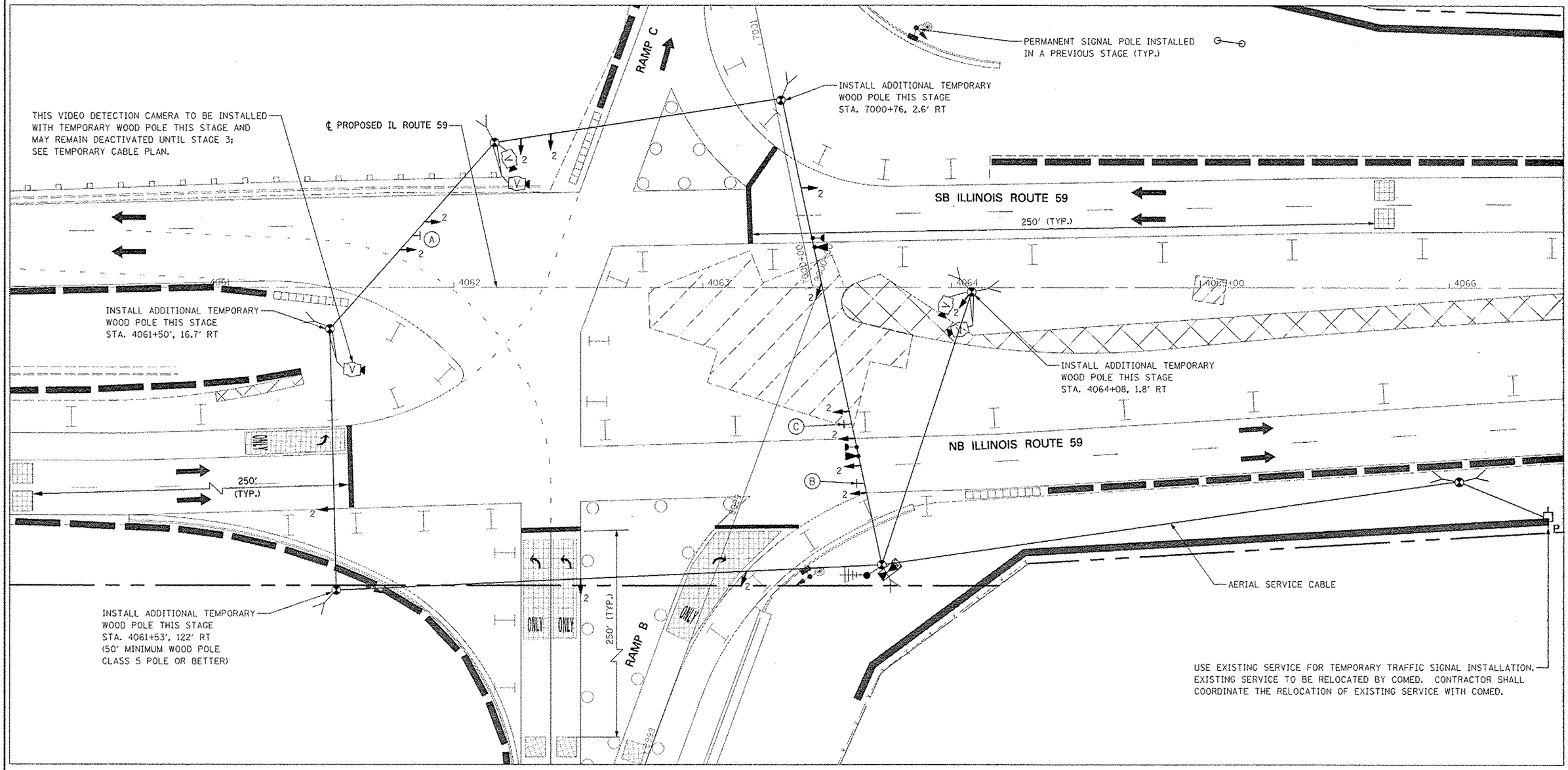
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGES 1B
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS

SCALE: AS SHOWN | SHEET NO. 6 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	421
	TS-6	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



STAGE 2 TEMPORARY TRAFFIC SIGNALS

SEE SHEET TS-8 FOR STAGE 2 TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

(A) R3-2, 36" x 36", 1 REQUIRED

(B) R3-1, 36" x 36", 1 REQUIRED

(C) R10-5, LEFT ON GREEN ARROW ONLY, 30" x 36", 1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

N

20 0 20 40

SCALE IN FEET

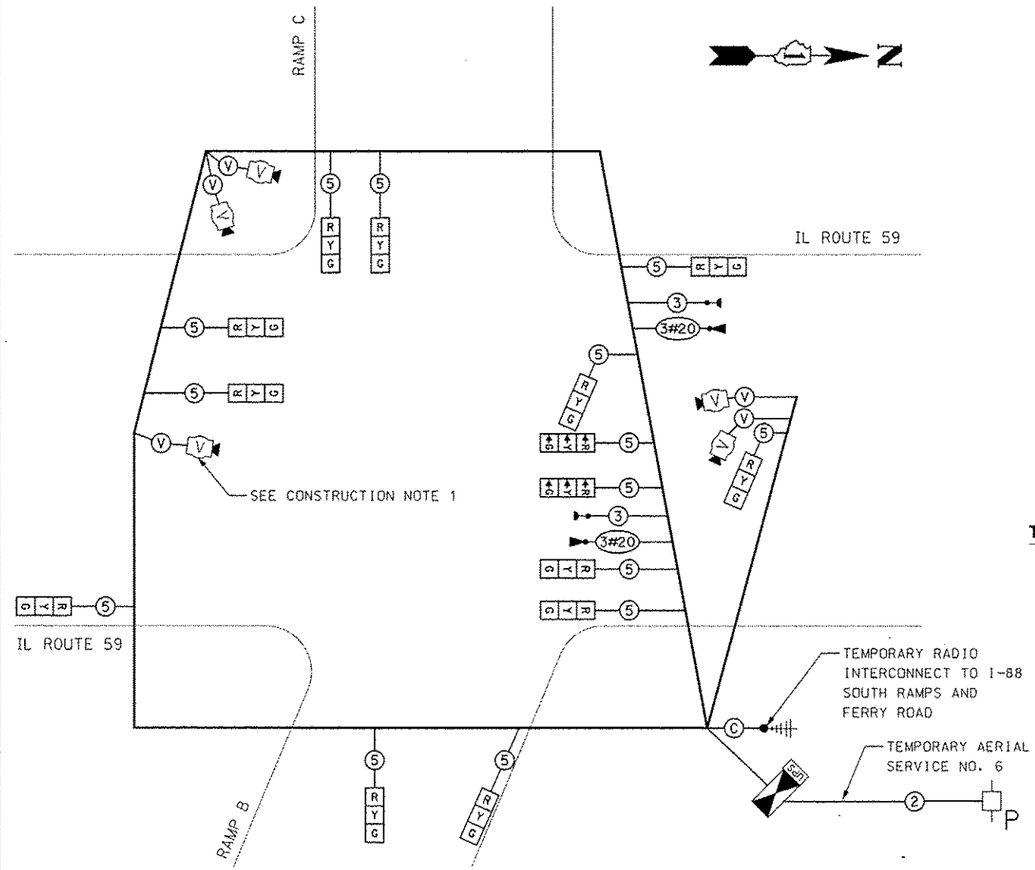
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 2
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS

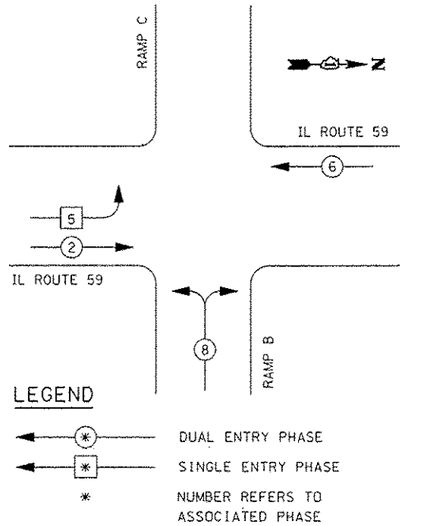
SCALE: AS SHOWN | SHEET NO. 7 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(12 & 1131 WRS-5	DUPAGE	963	422
	TS-7	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



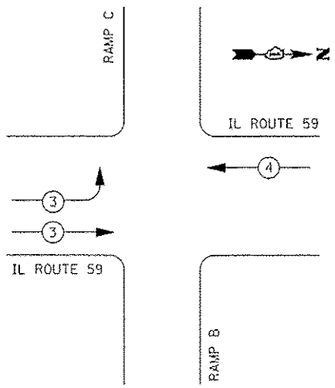
TEMPORARY SIGNAL CABLE PLAN

STAGE 2



TEMPORARY PHASE DESIGNATION DIAGRAM

STAGE 2



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT		

EMERGENCY VEHICLE PREEMPTION SEQUENCE

STAGE 2

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS x	WATTAGE INCAND.	LED x	% OPERATION	
SIGNAL (RED)	14		17	0.50	119
(YELLOW)	14		25	0.25	87.5
(GREEN)	14		15	0.25	52.5
ARROW	—		12	0.25	—
PED. SIGNAL	—		25	1.00	—
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
FLASHER				0.50	—
ENERGY COSTS TO:				TOTAL =	509

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: MARK SCHERIBEL
PHONE: 630-723-2128
COMPANY: COMED

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, AND IF NO STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY REPSONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

CONSTRUCTION NOTES:

1. THIS VIDEO DETECTION CAMERA TO BE INSTALLED DURING STAGE 2 BUT MAY REMAIN DEACTIVATED UNTIL STAGE 3. THIS CAMERA WILL BE UTILIZED FOR DETECTION OF SOUTHBOUND IL ROUTE 59 VEHICULAR TRAFFIC DURING STAGE 3 AND 3A ONLY.
2. ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED.

STAGE 2

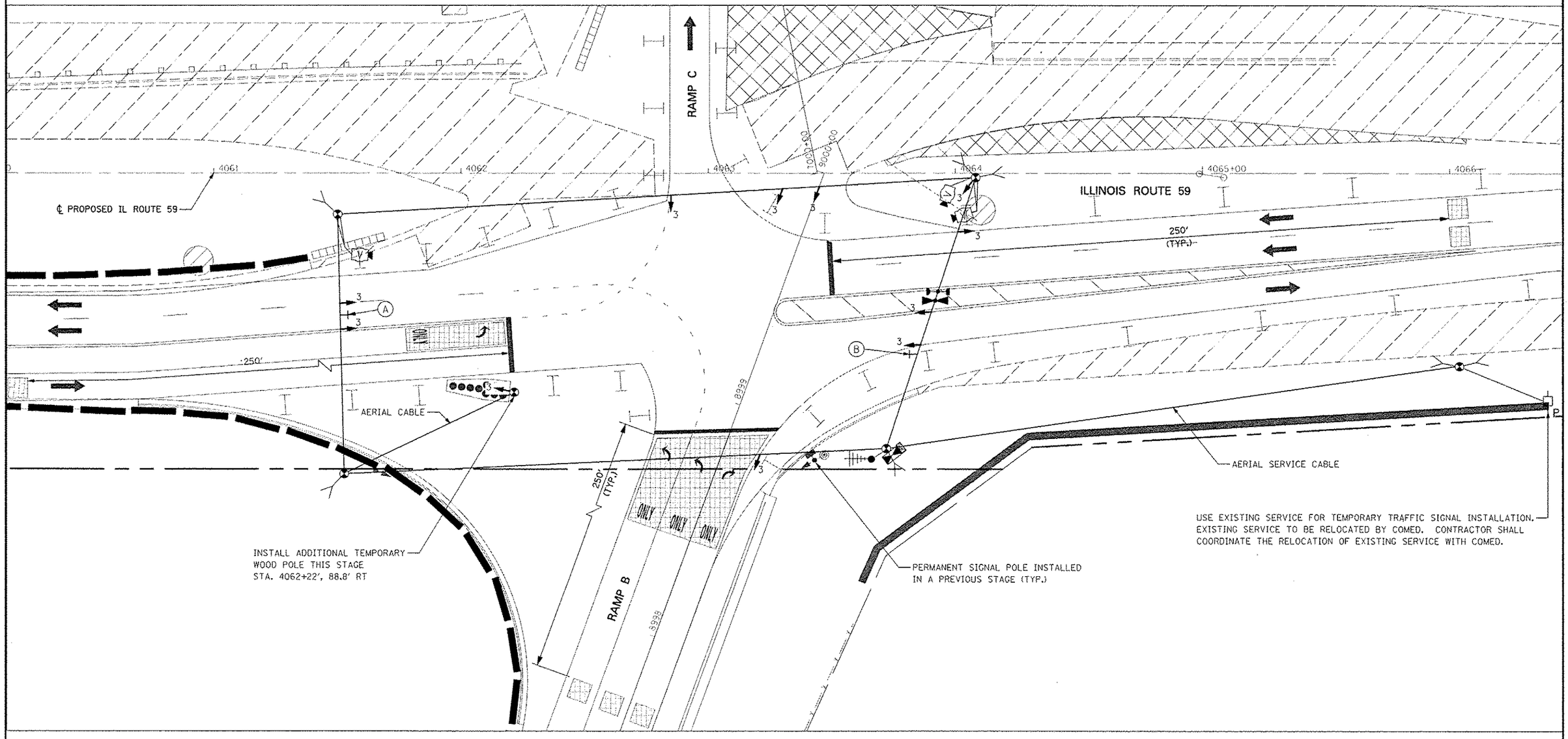
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS

SCALE: | SHEET NO. 8 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	423
	TS-8	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



STAGE 3 TEMPORARY TRAFFIC SIGNALS

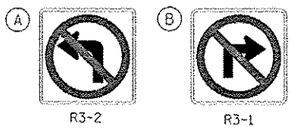
SEE SHEET TS-10 FOR STAGE 3 TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

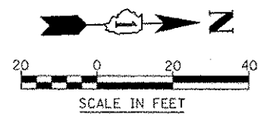
- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE



R3-2
36" x 36"
1 REQUIRED

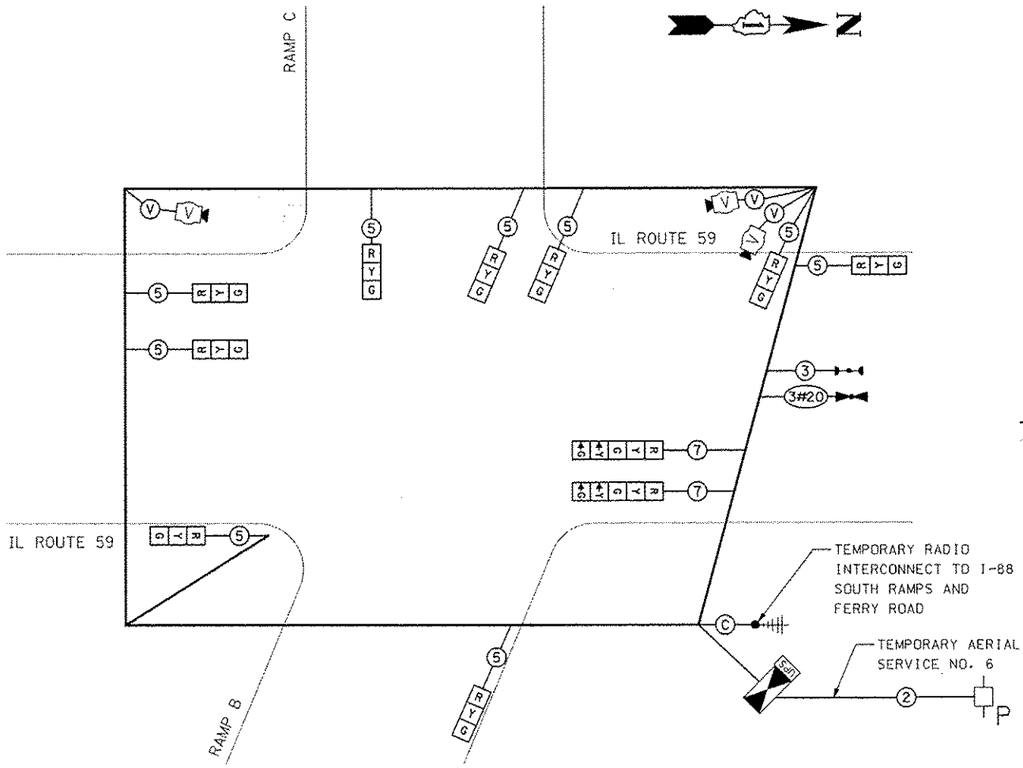
R3-1
36" x 36"
1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



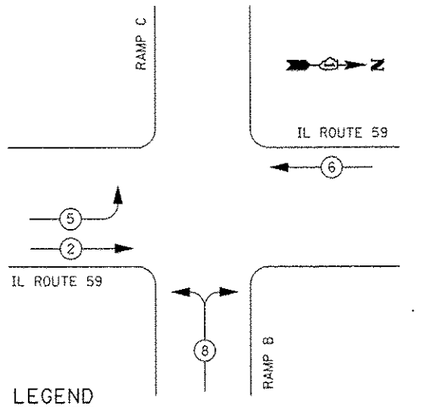
SCALE IN FEET

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION MOT STAGE 3 ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN KES	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	424
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -				TS-9		CONTRACT NO. 60I31	
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -		SCALE: AS SHOWN | SHEET NO. 9 OF 53 SHEETS | STA. TO STA.		ILLINOIS FED. AID PROJECT			



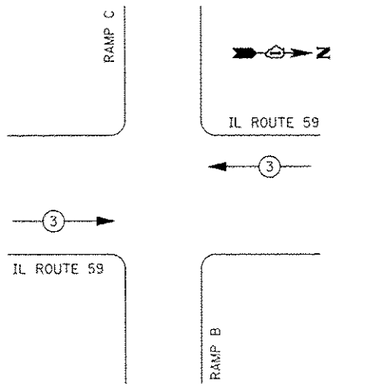
TEMPORARY SIGNAL CABLE PLAN

STAGE 3 AND STAGE 3A



TEMPORARY PHASE DESIGNATION DIAGRAM

STAGE 3 AND STAGE 3A



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	
MOVEMENT	← →	

EMERGENCY VEHICLE PREEMPTION SEQUENCE

STAGE 3 AND STAGE 3A

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS x	WATTAGE INCAND.	WATTAGE LED x	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12		17	0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	12		15	0.25	45
ARROW	4		12	0.25	12
PED. SIGNAL	—		25	1.00	—
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
FLASHER				0.50	—
ENERGY COSTS TO:				TOTAL =	484

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: MARK SCHERIBEL
PHONE: 630-723-2128
COMPANY: COMED

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, AND IF NO STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY REPSONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

CONSTRUCTION NOTES:

1. ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED.

STAGE 3 AND STAGE 3A

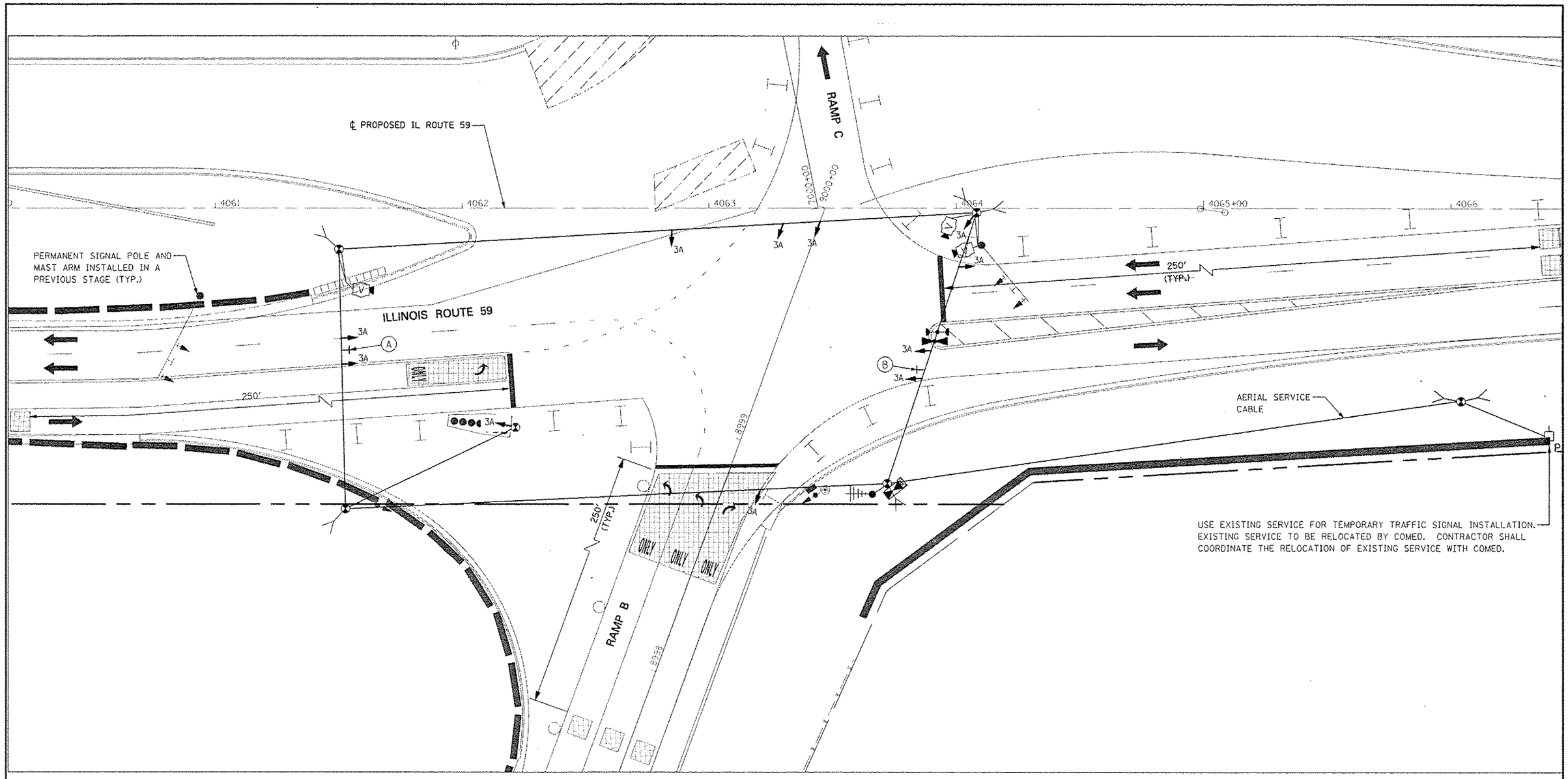
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS

SCALE: | SHEET NO. 10 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	425
	TS-10	CONTRACT NO. 60131		
		ILLINOIS FED. AID PROJECT		



STAGE 3A TEMPORARY TRAFFIC SIGNALS

SEE SHEET TS-10 FOR STAGE 3A TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

(A) R3-2, 36" x 36", 1 REQUIRED

(B) R3-1, 36" x 36", 1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

N

20 0 20 40

SCALE IN FEET

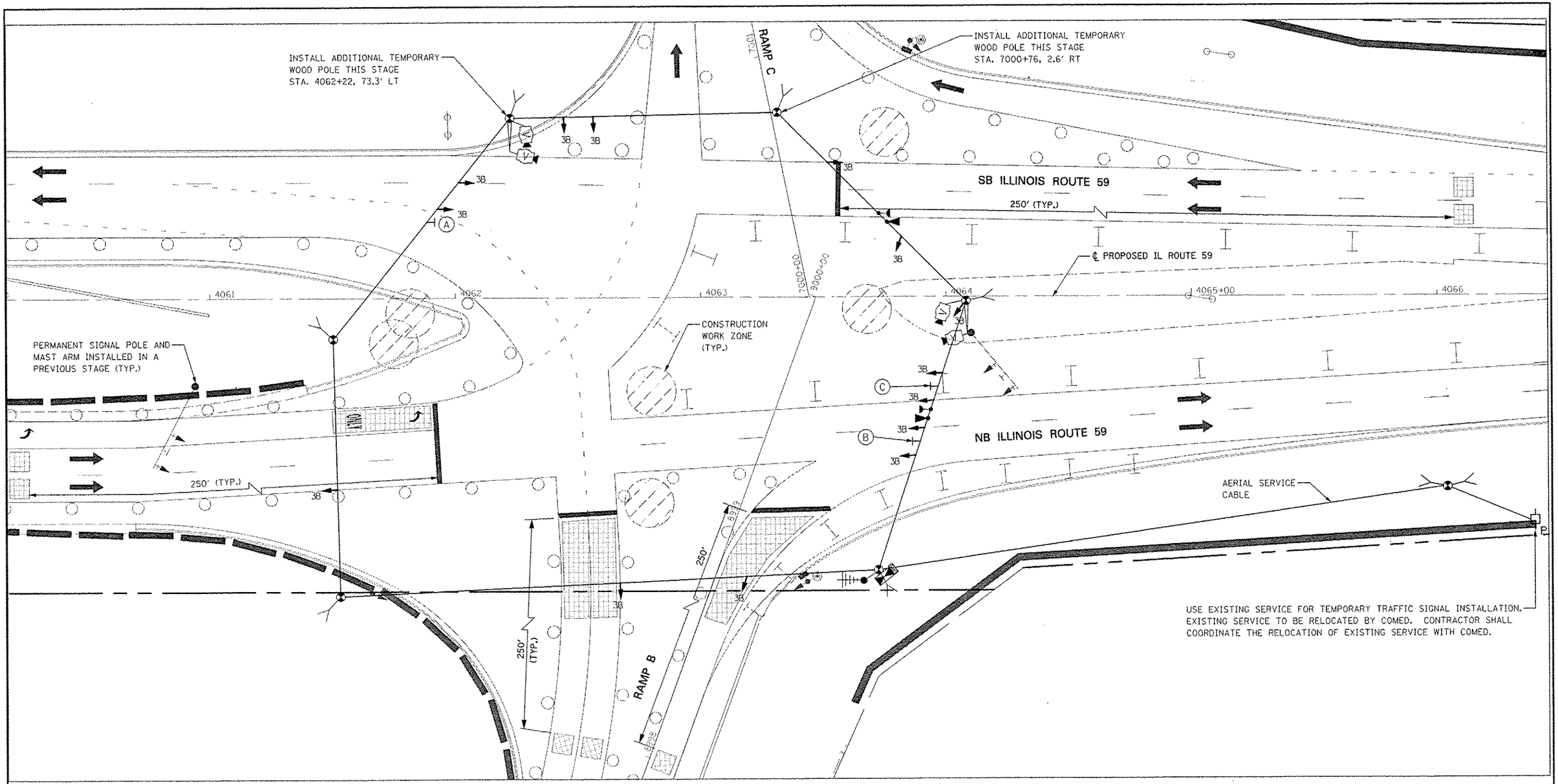
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 3A
IL ROUTE 59 AND I-88 NORTH RAMPS

SCALE: AS SHOWN | SHEET NO. 11 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	426
	TS-11	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



STAGE 3B TEMPORARY TRAFFIC SIGNALS

SEE SHEET TS-13 FOR STAGE 3B TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

(A) R3-2, 36" x 36", 1 REQUIRED

(B) R3-1, 36" x 36", 1 REQUIRED

(C) R10-5, LEFT ON GREEN ARROW ONLY, 30" x 36", 1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

N

20 0 20 40

SCALE IN FEET

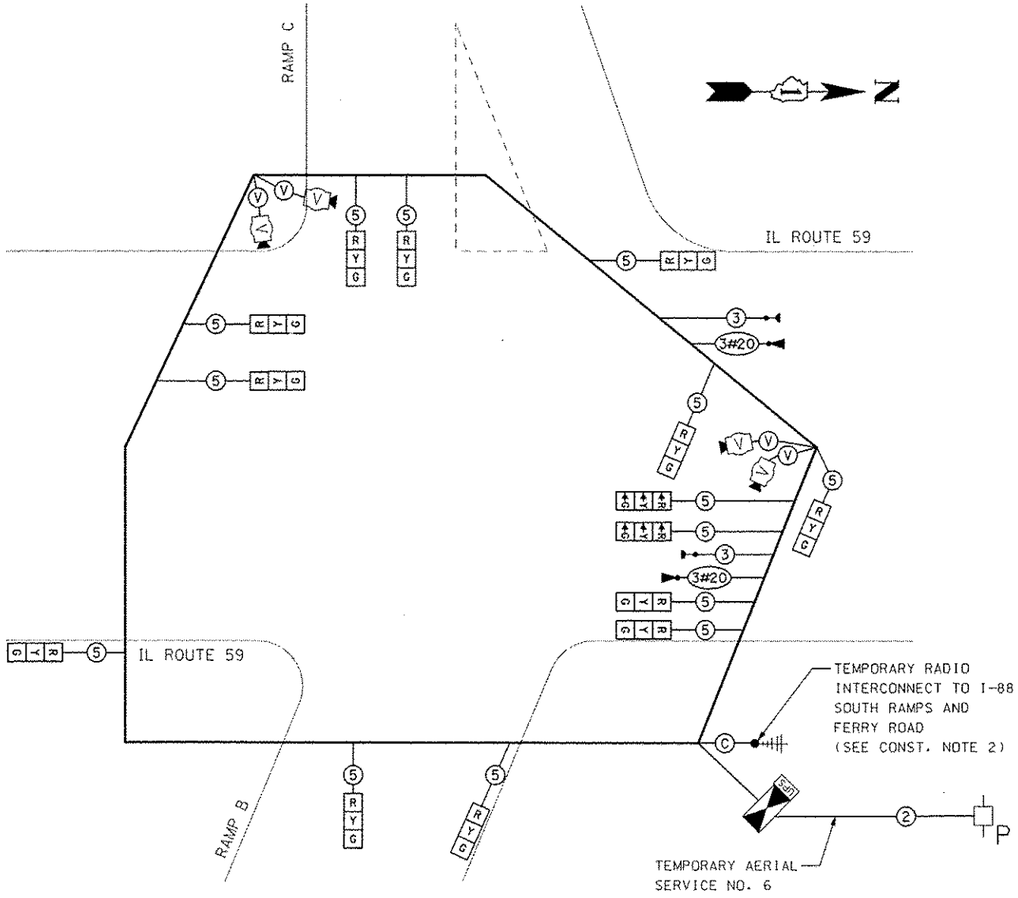
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGES 3B
IL ROUTE 59 AND I-88 NORTH RAMPS

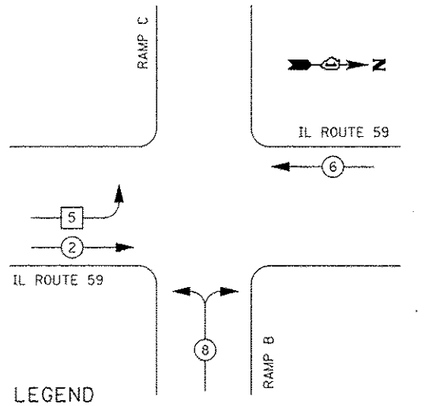
SCALE: AS SHOWN | SHEET NO. 12 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	427
	TS-12	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



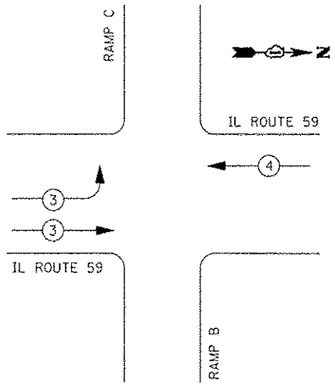
TEMPORARY SIGNAL CABLE PLAN

STAGE 3B



TEMPORARY PHASE DESIGNATION DIAGRAM

STAGE 3B



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT		

EMERGENCY VEHICLE PREEMPTION SEQUENCE

STAGE 3B

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS x	WATTAGE INCAND.	LED x	% OPERATION	
SIGNAL (RED)	14		17	0.50	119
(YELLOW)	14		25	0.25	87.5
(GREEN)	14		15	0.25	52.5
ARROW			12	0.25	—
PED. SIGNAL	—		25	1.00	—
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
FLASHER				0.50	—
ENERGY COSTS TO:				TOTAL =	509

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: MARK SCHERIBEL
PHONE: 630-723-2128
COMPANY: COMED

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, AND IF NO STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY REPSONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

CONSTRUCTION NOTES:

1. ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED.
2. THE TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL THE PERMANENT FIBER INTERCONNECT TO DIEHL ROAD AND FERRY ROAD IS INSTALLED AND OPERATIONAL.

STAGE 3B

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

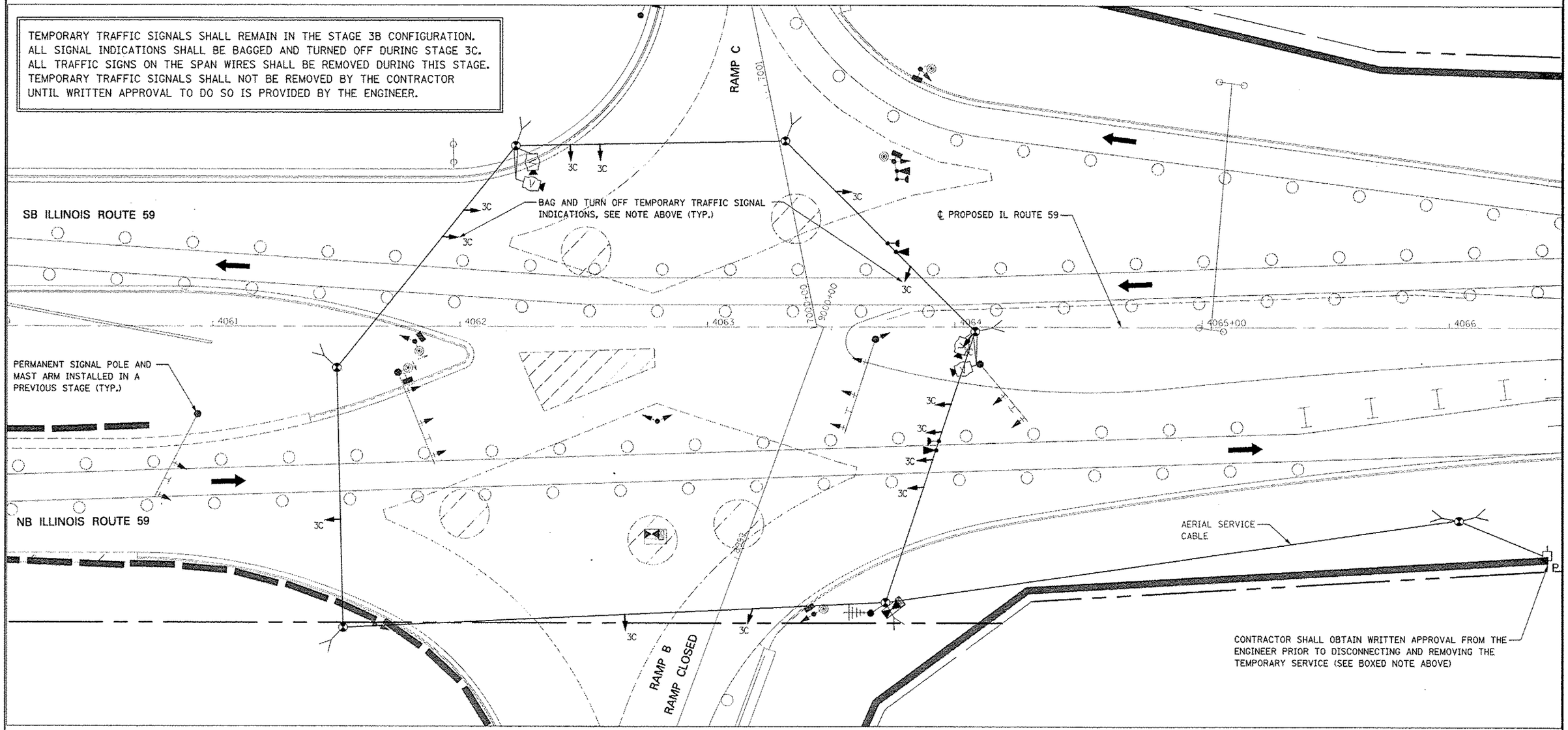
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS

SCALE: | SHEET NO. 13 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	428
	TS-13	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

TEMPORARY TRAFFIC SIGNALS SHALL REMAIN IN THE STAGE 3B CONFIGURATION. ALL SIGNAL INDICATIONS SHALL BE BAGGED AND TURNED OFF DURING STAGE 3C. ALL TRAFFIC SIGNS ON THE SPAN WIRES SHALL BE REMOVED DURING THIS STAGE. TEMPORARY TRAFFIC SIGNALS SHALL NOT BE REMOVED BY THE CONTRACTOR UNTIL WRITTEN APPROVAL TO DO SO IS PROVIDED BY THE ENGINEER.



CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE ENGINEER PRIOR TO DISCONNECTING AND REMOVING THE TEMPORARY SERVICE (SEE BOXED NOTE ABOVE)

STAGE 3C TEMPORARY TRAFFIC SIGNALS

NOTE:
STAGES 4, 4A AND 4B OPERATE IN THE PROPOSED DIVERGING DIAMOND TRAFFIC PATTERN. THE INTERSECTION IS CONTROLLED BY THE PERMANENT TRAFFIC SIGNALS IN THESE STAGES. SEE PERMANENT TRAFFIC SIGNAL PLANS AND MAINTENANCE OF TRAFFIC PLANS.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

N

20 0 20 40

SCALE IN FEET

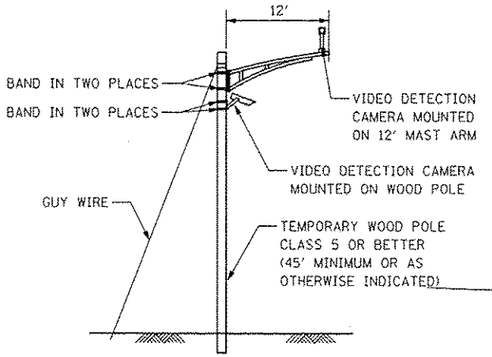
FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED MJM	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGES 3C, 4, 4A, 4B
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS

SCALE: AS SHOWN | SHEET NO. 14 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	429
	TS-14	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



TEMPORARY VIDEO DETECTION MOUNTING DETAIL

NOT TO SCALE

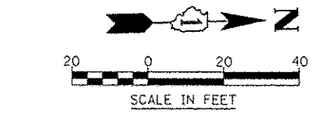
NOTE: EACH VIDEO CAMERA SHALL BE MOUNTED ON A 12' ALUMINUM MAST ARM OR WOOD POLE AS INDICATED ABOVE. THIS WORK WILL BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

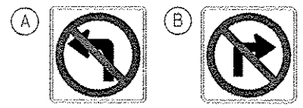
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: CITY OF NAPERVILLE

1 EACH LIGHT DETECTOR AND BEACON
1 EACH LIGHT DETECTOR AMPLIFIER





INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT (CONTINUED)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)	2	EACH	STEEL MAST ARM AND POLE
5	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION	6	EACH	SIGNAL POST
1	EACH	SIGNAL HEAD, 1-FACE, 4-SECTION	2	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION	1	EACH	SERVICE INSTALLATION
1	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION			
1	EACH	SIGNAL HEAD, 2-FACE, 1-3-SECTION, 1-5-SECTION			
1	EACH	SIGNAL HEAD, 3-FACE, 1-3-SECTION, 2-5-SECTION			

PRESTAGE TEMPORARY TRAFFIC SIGNALS

SEE TEMPORARY CABLE PLAN FOR TEMPORARY TRAFFIC SIGNALS GENERAL NOTES

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

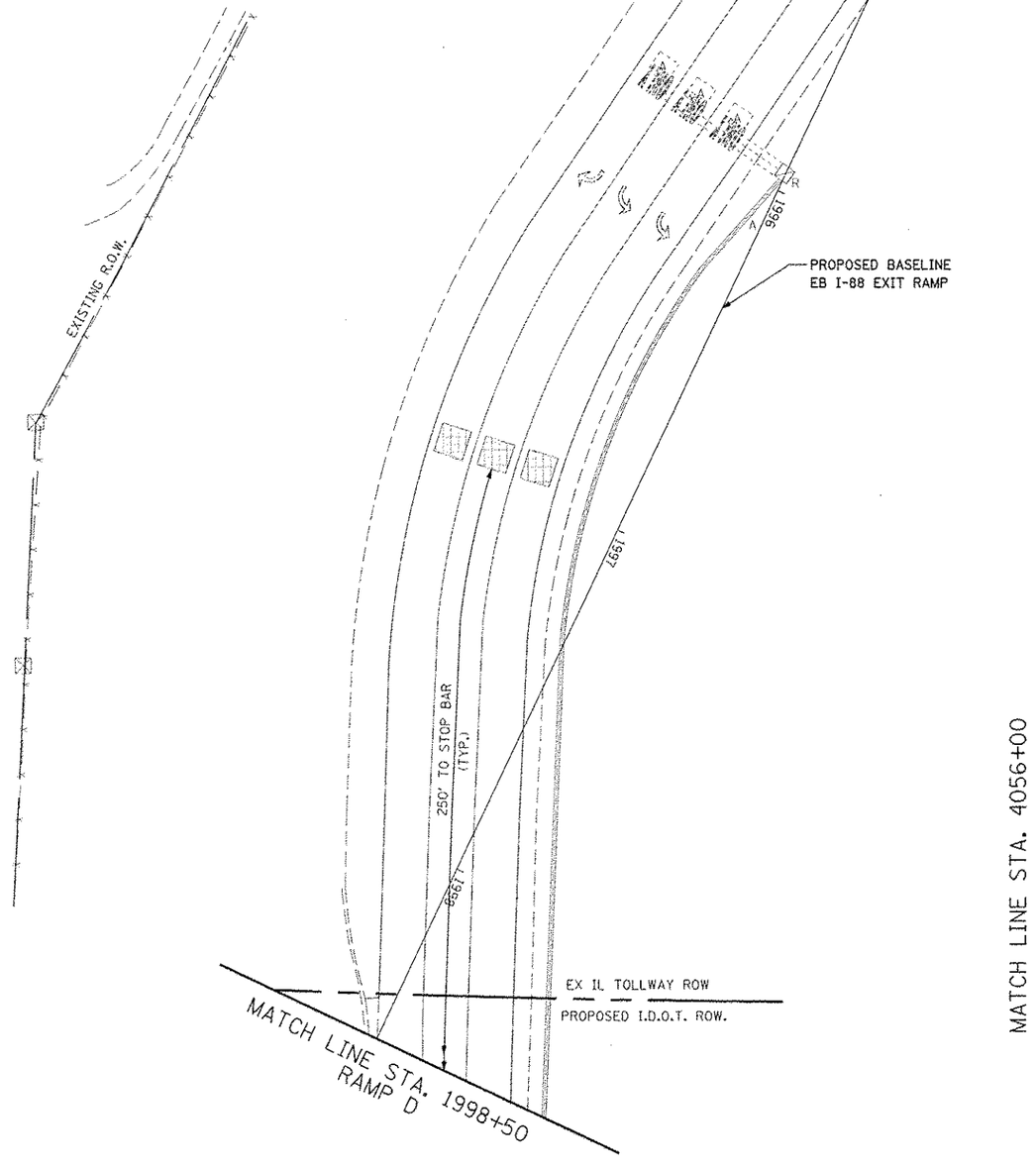
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING SIGNAL EQUIPMENT PLAN
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS

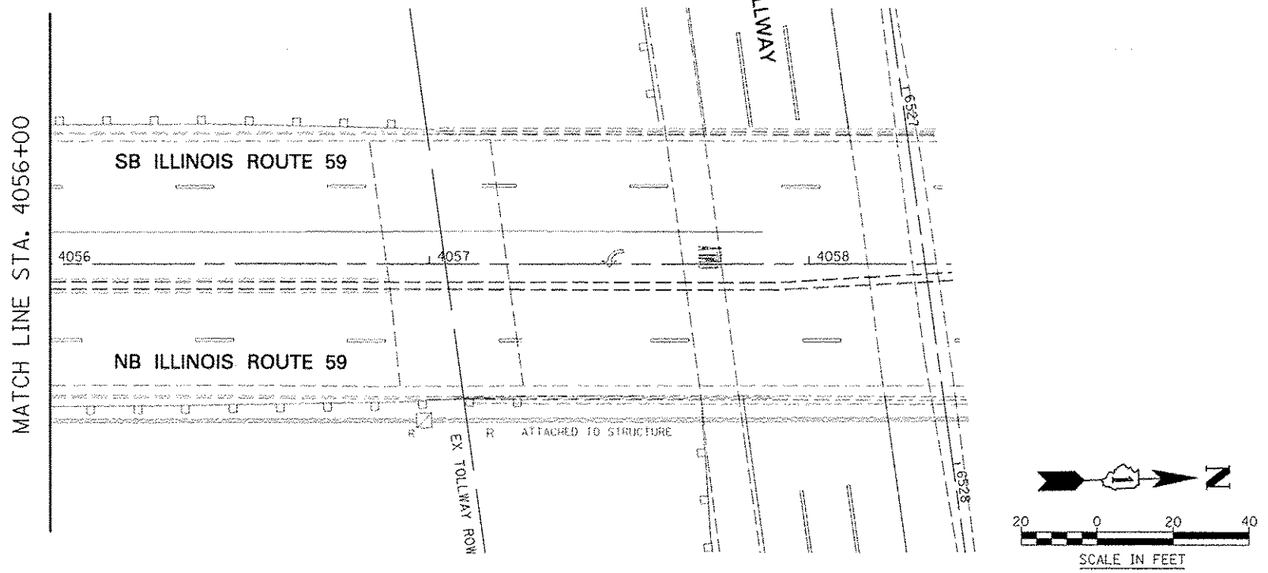
SCALE: AS SHOWN | SHEET NO. 15 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	430
	TS-15	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

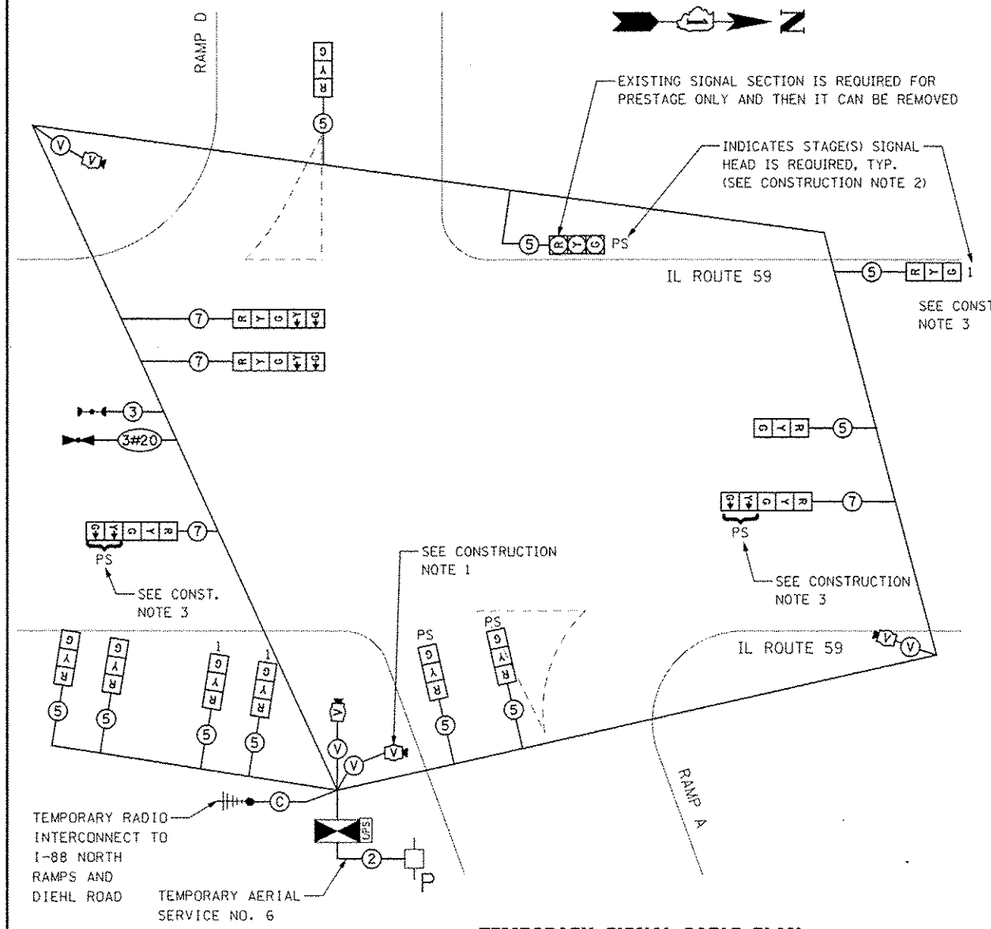
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



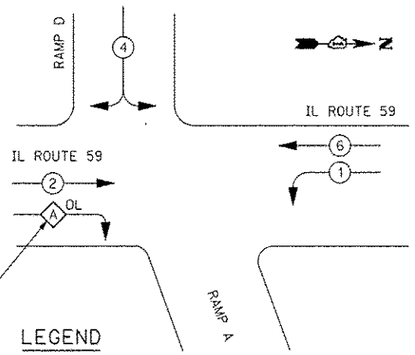


FILE NAME =	USER NAME = %USER%	DESIGNED M.J.M	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING SIGNAL EQUIPMENT PLAN ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS
		DRAWN K.E.S.	REVISED -		
	PLOT SCALE = %SCALE%	CHECKED J.C.M.	REVISED -		
	PLOT DATE = %DATE%	DATE 10/15/2012	REVISED -		SCALE: AS SHOWN | SHEET NO. 16 OF 53 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	431
	TS-16	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



TEMPORARY SIGNAL CABLE PLAN
PRESTAGE AND STAGE 1



LEGEND

DUAL ENTRY PHASE

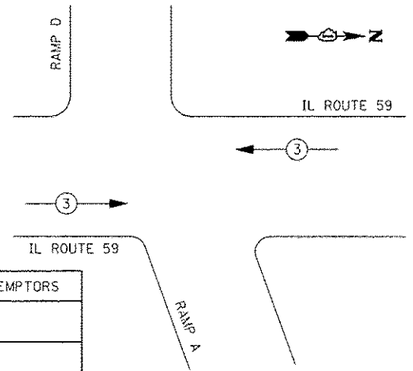
OVERLAP

* NUMBER REFERS TO ASSOCIATED PHASE

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	4

NOTE: RIGHT TURN OVERLAP SHALL BE TERMINATED DURING EMERGENCY VEHICLE PREEMPTION SEQUENCE.

TEMPORARY PHASE DESIGNATION DIAGRAM
PRESTAGE AND STAGE 1



EMERGENCY VEHICLE PREEMPTION SEQUENCE
PRESTAGE AND STAGE 1

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	
MOVEMENT	← →	

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS x	WATTAGE INCAND.	WATTAGE LED x	% OPERATION	
SIGNAL (RED)	11		17	0.50	93.5
(YELLOW)	11		25	0.25	68.75
(GREEN)	11		15	0.25	41.25
ARROW	8		12	0.25	24
PED. SIGNAL	—		25	1.00	—
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
FLASHER				0.50	—
ENERGY COSTS TO:				TOTAL =	477.5

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: MARK SCHERIBEL
PHONE: 630-723-2128
COMPANY: COMED

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES. RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, AND IF NO STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY REPSONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

CONSTRUCTION NOTES:

1. THE VIDEO CAMERA LOCATED IN THE SOUTHEAST QUADRANT IS TO BE DEACTIVATED DURING ALL STAGES EXCEPT FOR STAGES 3 AND 3A. THIS CAMERA WILL BE UTILIZED FOR DETECTION OF SOUTHBOUND VEHICULAR TRAFFIC DURING STAGES 3 AND 3A ONLY.
2. ANY TEMPORARY TRAFFIC SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED.
3. OVERLAP A SHALL SHALL BE DEACTIVATED DURING STAGE 1 AND ITS ASSOCIATED RIGHT TURN ARROW INDICATIONS SHALL BE BAGGED AND TURNED OFF.

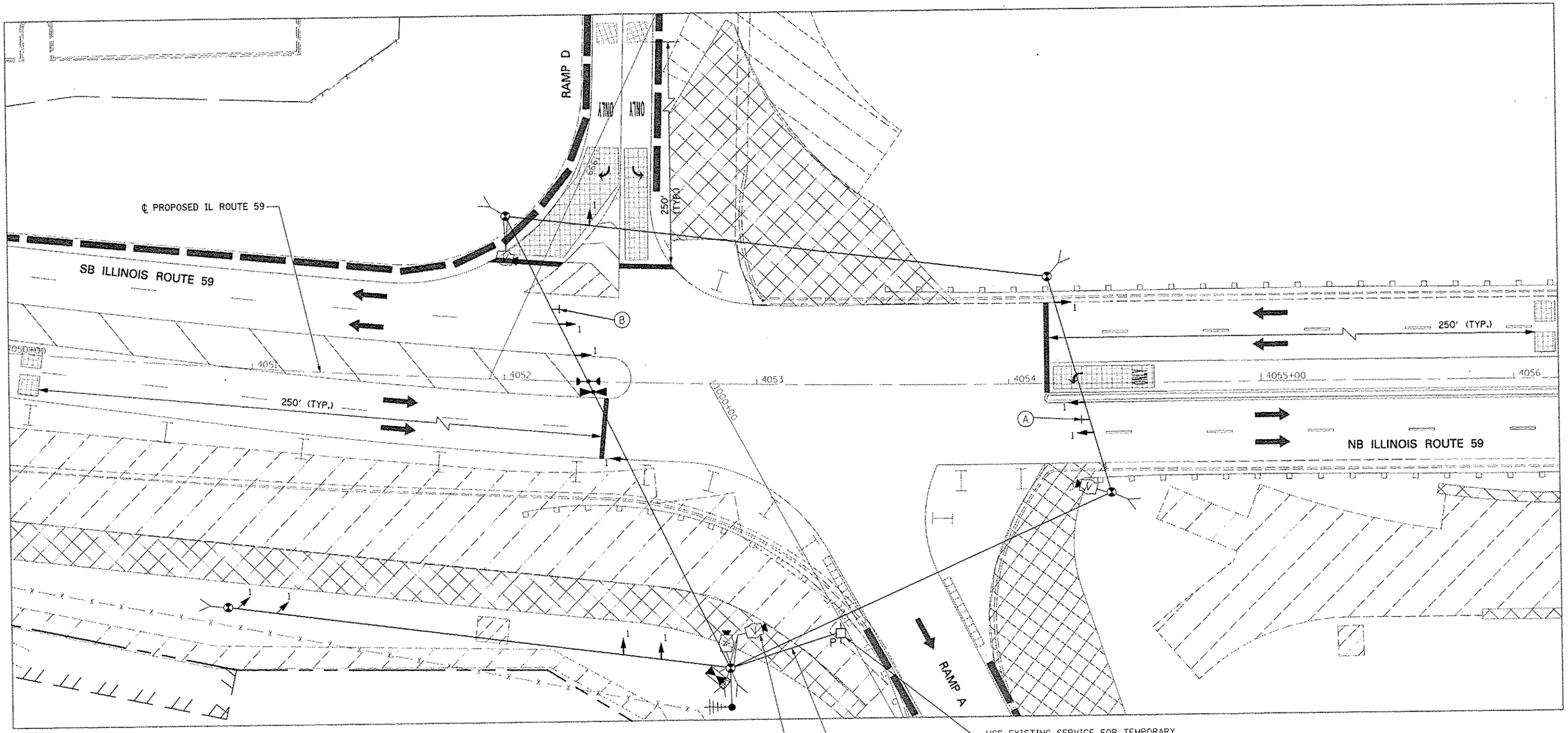
PRESTAGE AND STAGE 1

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = #SCALE#	CHECKED JCM	REVISED -
	PLOT DATE = #DATE#	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS
SCALE: | SHEET NO. 17 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	432
	TS-17	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



STAGE 1 TEMPORARY TRAFFIC SIGNALS

SEE SHEET TS-17 FOR STAGE 1 TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

(A) R3-2, 36" x 36", 1 REQUIRED

(B) R3-1, 36" x 36", 1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

20 0 20 40

SCALE IN FEET

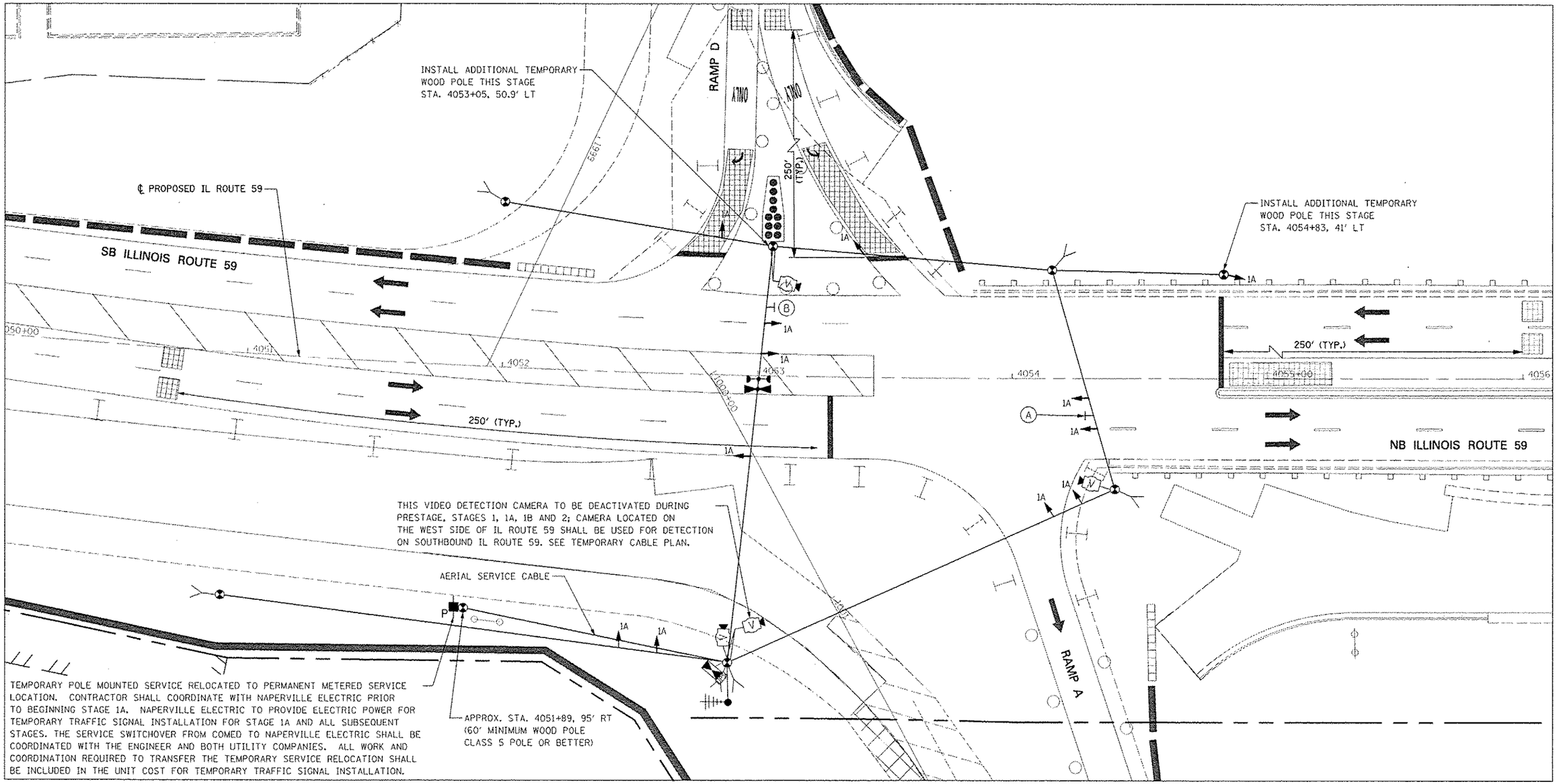
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS

SCALE: AS SHOWN | SHEET NO. 18 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	433
	TS-18	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



STAGE 1A TEMPORARY TRAFFIC SIGNALS

SEE SHEET TS-20 FOR STAGE 1A TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

(A) R3-2, 36" x 36", 1 REQUIRED

(B) R3-1, 36" x 36", 1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

N

20 0 20 40

SCALE IN FEET

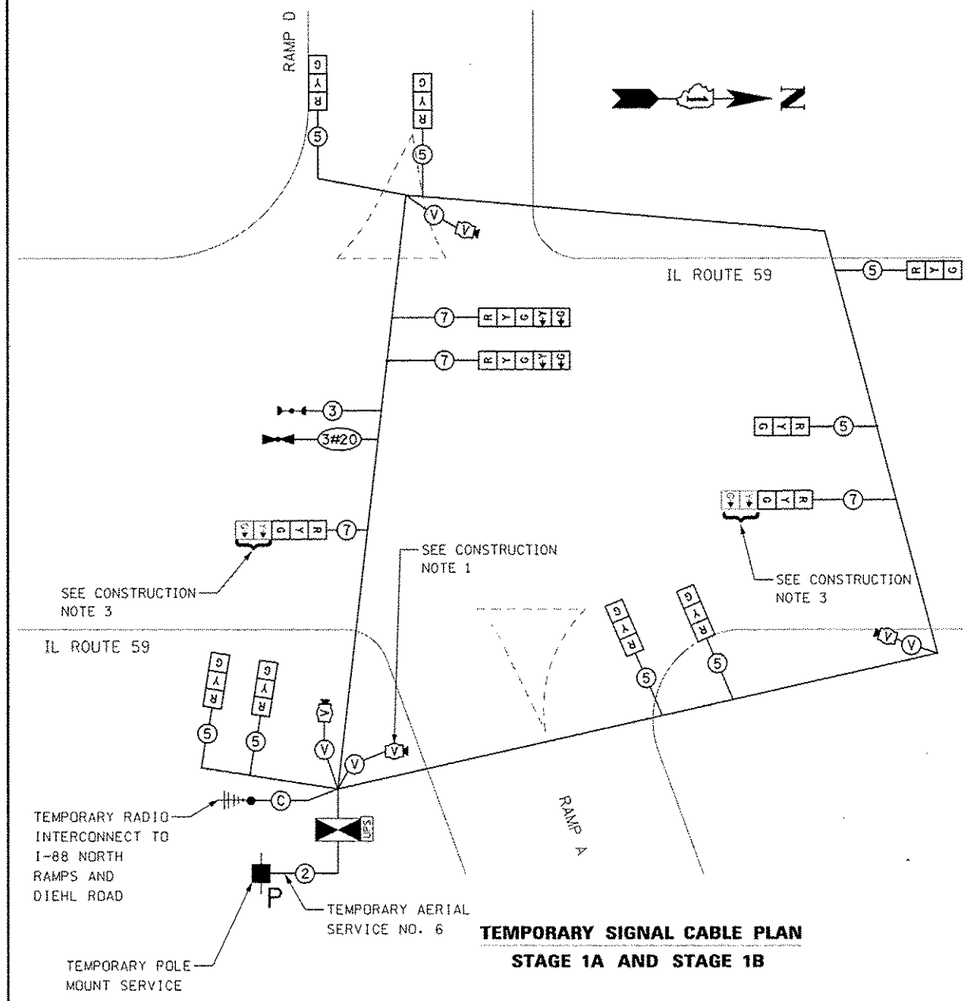
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

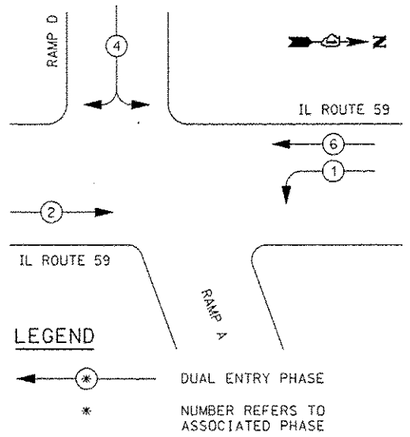
TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1A
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS

SCALE: AS SHOWN | SHEET NO. 19 OF 53 SHEETS | STA. | TO STA.

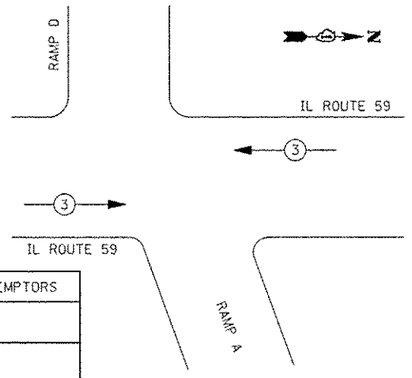
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	434
	TS-19	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



TEMPORARY SIGNAL CABLE PLAN
STAGE 1A AND STAGE 1B



TEMPORARY PHASE DESIGNATION DIAGRAM
STAGE 1A AND STAGE 1B



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	
MOVEMENT	←	
	→	

EMERGENCY VEHICLE PREEMPTION SEQUENCE
STAGE 1A AND STAGE 1B

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS ×	WATTAGE INCAND.	LED ×	% OPERATION	
SIGNAL (RED)	12		17	0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	12		15	0.25	45
ARROW	4		12	0.25	12
PED. SIGNAL	–		25	1.00	–
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
FLASHER				0.50	–
ENERGY COSTS TO:				TOTAL =	484

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: BRIAN CHAMBERLAIN
PHONE: 630-420-6653
COMPANY: NAPERVILLE ELECTRIC

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, AND IF NO STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY REPSONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

CONSTRUCTION NOTES:

1. THE VIDEO CAMERA LOCATED IN THE SOUTHEAST QUADRANT IS TO BE DEACTIVATED DURING ALL STAGES EXCEPT FOR STAGES 3 AND 3A. THIS CAMERA WILL BE UTILIZED FOR DETECTION OF SOUTHBOUND VEHICULAR TRAFFIC DURING STAGES 3 AND 3A ONLY.
2. ANY TEMPORARY TRAFFIC SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED.
3. RIGHT TURN ARROW INDICATIONS SHALL BE BAGGED AND TURNED OFF DURING STAGE 1A AND STAGE 1B.

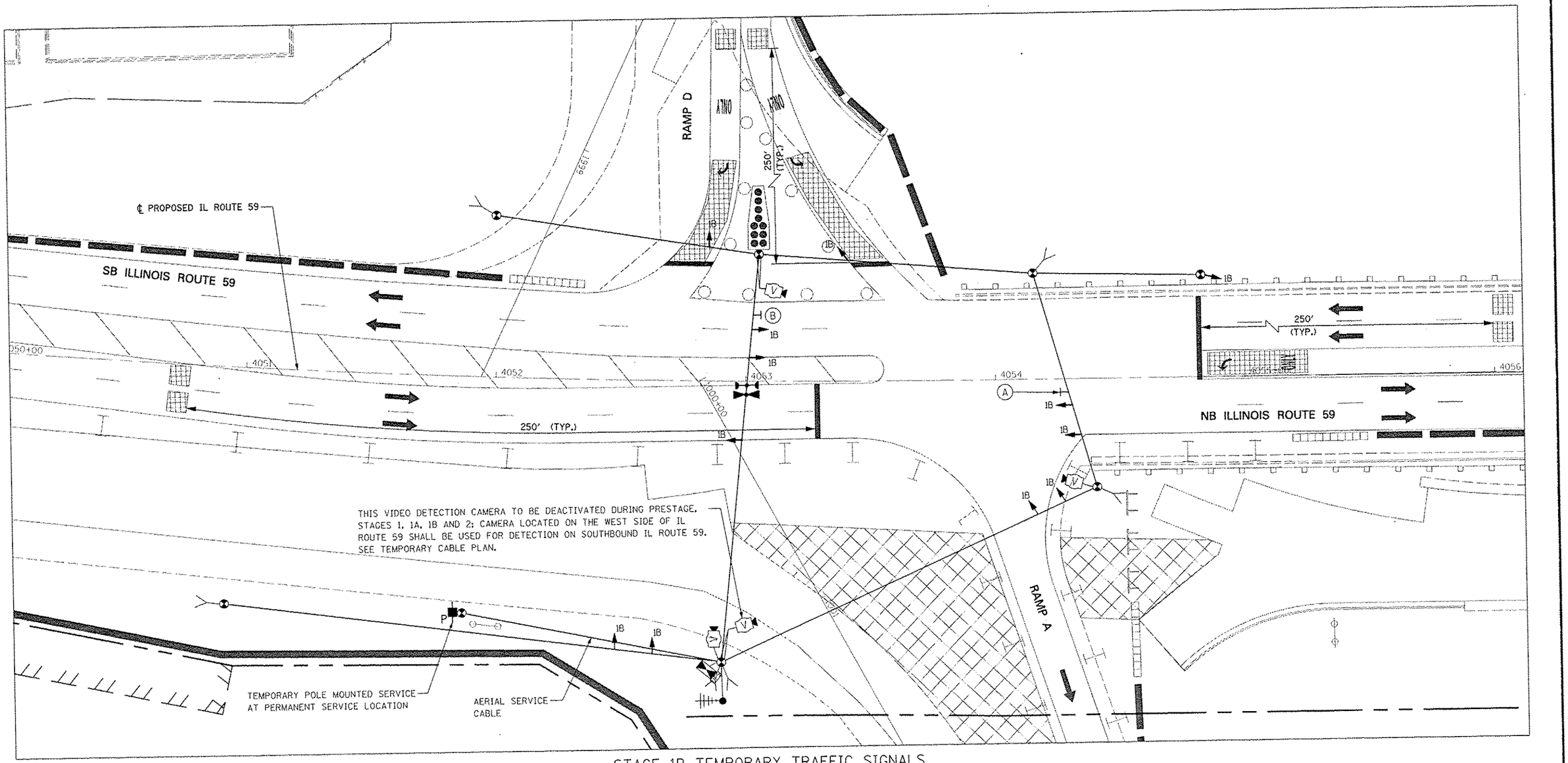
STAGE 1A AND STAGE 1B

FILE NAME = $FILE1$	USER NAME = $USER1$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE1$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE1$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS
SCALE: | SHEET NO. 20 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	435
	TS-20	CONTRACT NO. 60131		
		ILLINOIS FED. AID PROJECT		



STAGE 1B TEMPORARY TRAFFIC SIGNALS

SEE SHEET TS-20 FOR STAGE 1B TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

(A) R3-2, 36" x 36", 1 REQUIRED

(B) R3-1, 36" x 36", 1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

N

20 0 20 40

SCALE IN FEET

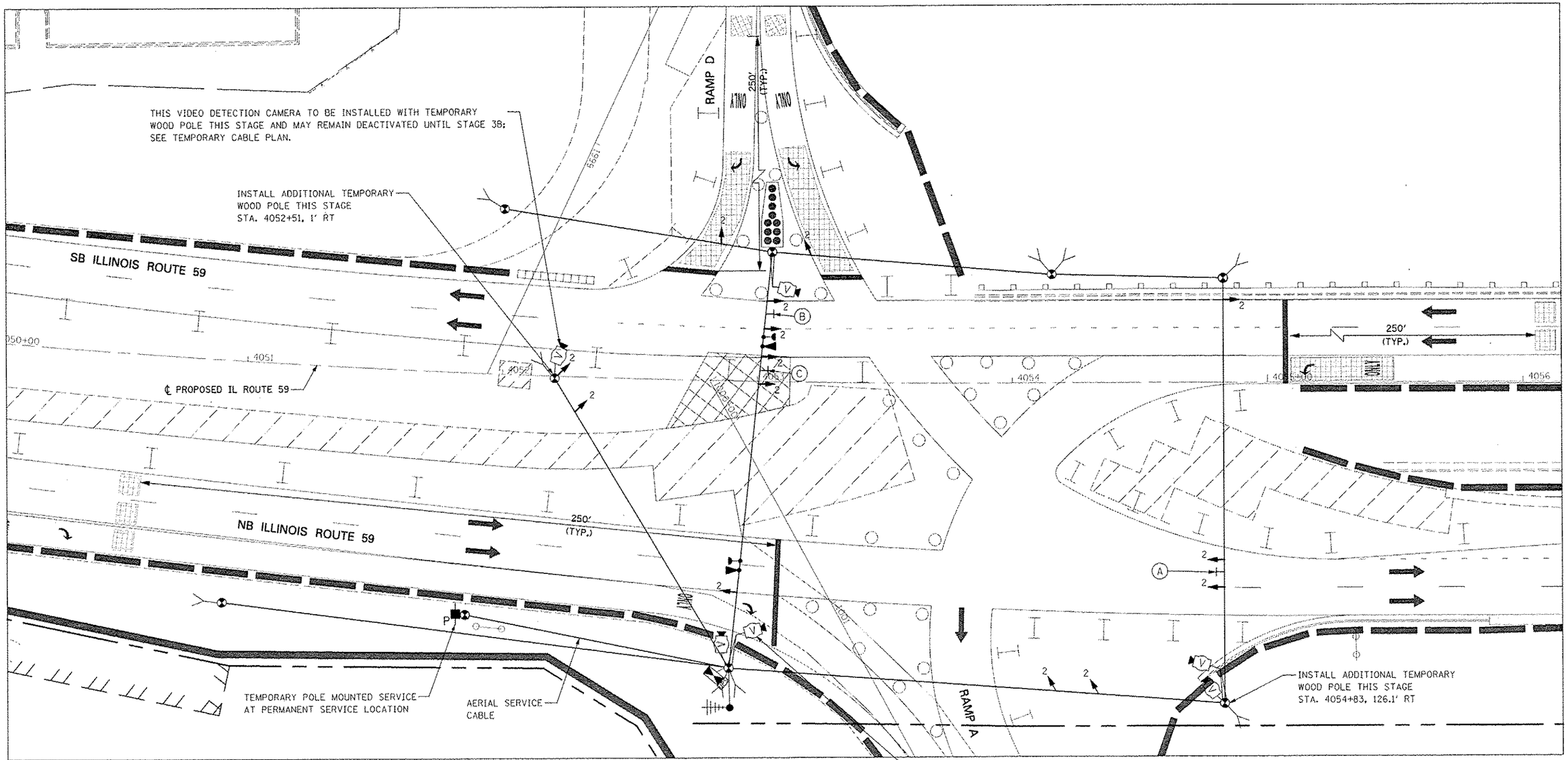
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED M.J.M	REVISED
		DRAWN K.E.S.	REVISED
	PLOT SCALE = $SCALE$	CHECKED J.C.M.	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1B
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS

SCALE: AS SHOWN | SHEET NO. 21 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	436
	TS-21	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



STAGE 2 TEMPORARY TRAFFIC SIGNALS

SEE SHEET TS-23 FOR STAGE 2 TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

(A) R3-2, 36" x 36", 1 REQUIRED

(B) R3-1, 36" x 36", 1 REQUIRED

(C) LEFT ON GREEN ARROW ONLY, R10-5, 30" x 36", 1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

N

20 0 20 40

SCALE IN FEET

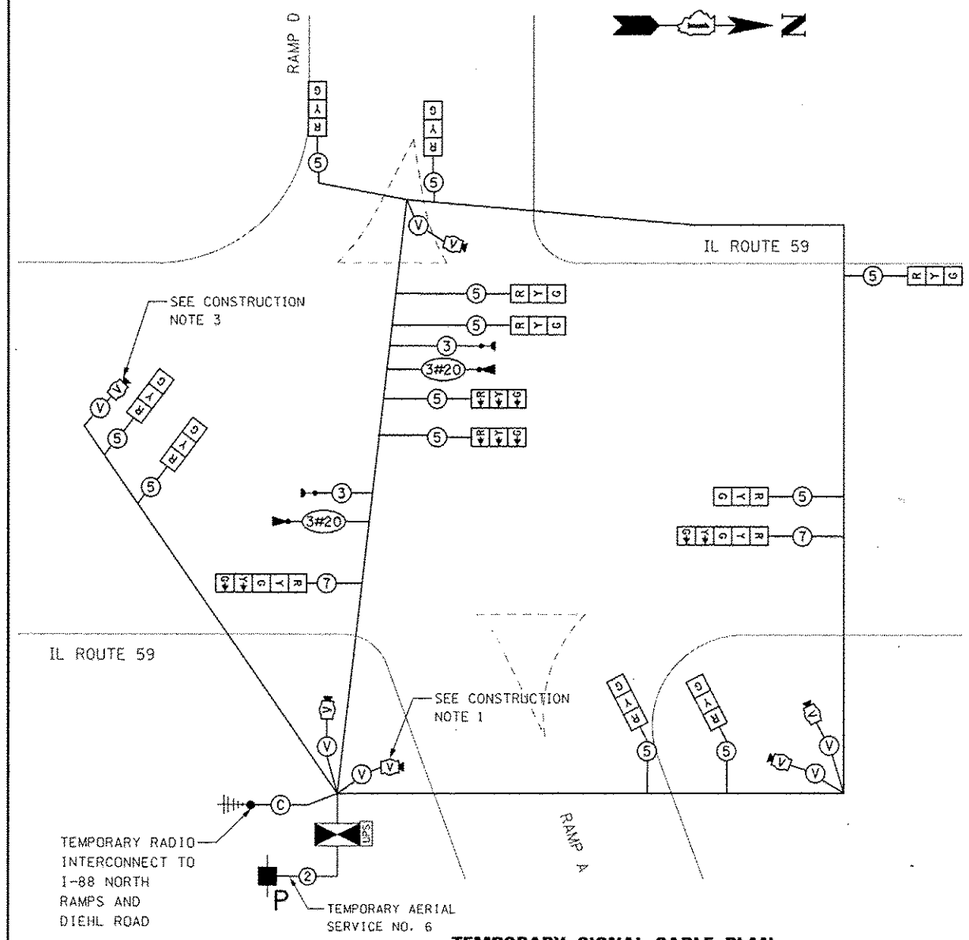
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 2
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS

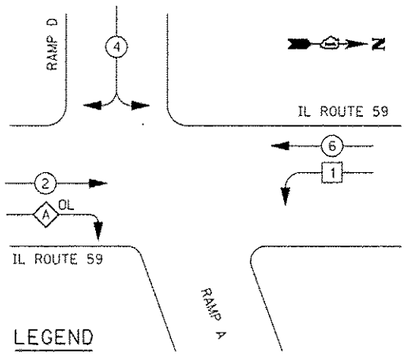
SCALE: AS SHOWN | SHEET NO. 22 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	437
	TS-22	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



TEMPORARY SIGNAL CABLE PLAN

STAGE 2



LEGEND

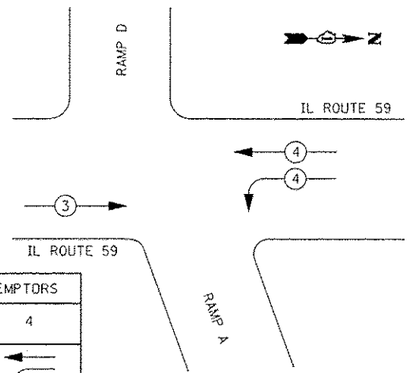
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL — OVERLAP
- * — NUMBER REFERS TO ASSOCIATED PHASE

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	4

NOTE: RIGHT TURN OVERLAP SHALL BE TERMINATED DURING EMERGENCY VEHICLE PREEMPTION SEQUENCE.

TEMPORARY PHASE DESIGNATION DIAGRAM

STAGE 2



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	→	← ↓

EMERGENCY VEHICLE PREEMPTION SEQUENCE

STAGE 2

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, AND IF NO STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY REPSONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

CONSTRUCTION NOTES:

1. THE VIDEO CAMERA LOCATED IN THE SOUTHEAST QUADRANT IS TO BE DEACTIVATED DURING ALL STAGES EXCEPT FOR STAGES 3 AND 3A. THIS CAMERA WILL BE UTILIZED FOR DETECTION OF SOUTHBOUND VEHICULAR TRAFFIC DURING STAGES 3 AND 3A ONLY.
2. ANY TEMPORARY TRAFFIC SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED.
3. THE VIDEO CAMERA LOCATED IN THE SOUTH MEDIAN MAY REMAIN DEACTIVATED UNTIL STAGE 3B. THIS CAMERA WILL BE UTILIZED FOR DETECTION OF RAMP D VEHICULAR TRAFFIC DURING STAGE 3B ONLY.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS x	WATTAGE INCAND.	LED x	% OPERATION	
SIGNAL (RED)	14		17	0.50	119
(YELLOW)	14		25	0.25	87.5
(GREEN)	14		15	0.25	52.5
ARROW	4		12	0.25	12
PED. SIGNAL	—		25	1.00	—
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
FLASHER				0.50	—
ENERGY COSTS TO:				TOTAL =	521

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: BRIAN CHAMBERLAIN
PHONE: 630-420-6653
COMPANY: NAPERVILLE ELECTRIC

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

STAGE 2

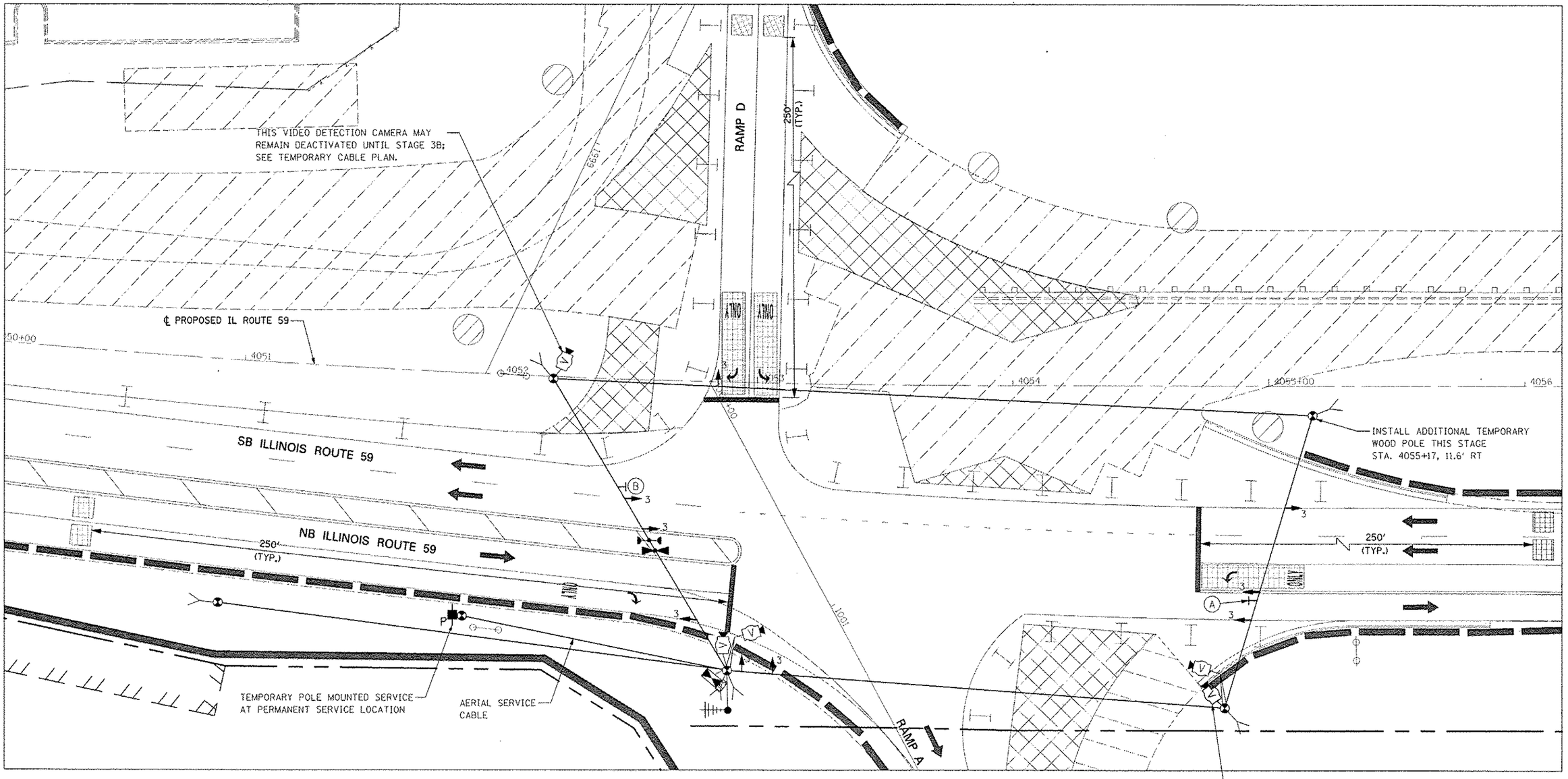
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS

SCALE: | SHEET NO. 23 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	438
	TS-23	CONTRACT NO. 60131		
		ILLINOIS FED. AID PROJECT		



STAGE 3 TEMPORARY TRAFFIC SIGNALS

SEE SHEET TS-25 FOR STAGE 3 TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

(A) R3-2, 36" x 36", 1 REQUIRED

(B) R3-1, 36" x 36", 1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

N

20 0 20 40

SCALE IN FEET

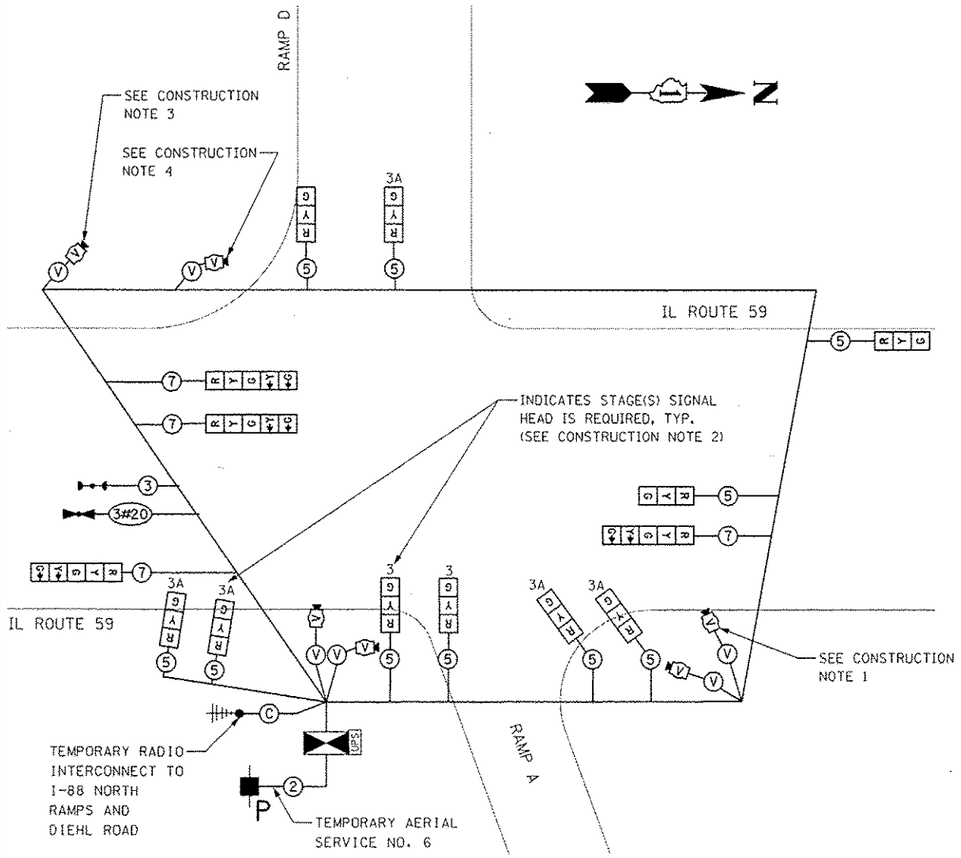
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 3
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS

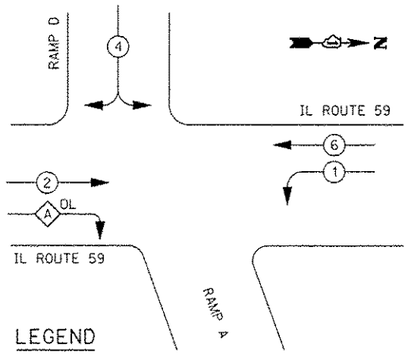
SCALE: AS SHOWN | SHEET NO. 24 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	439
	TS-24	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



TEMPORARY SIGNAL CABLE PLAN

STAGE 3 AND STAGE 3A

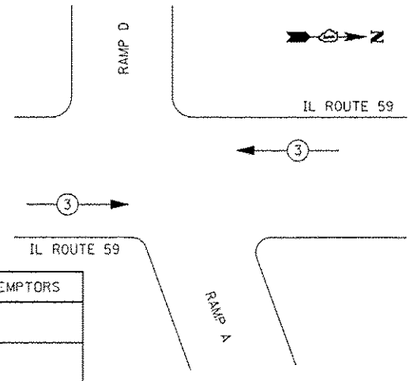


OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	4

NOTE: RIGHT TURN OVERLAP SHALL BE TERMINATED DURING EMERGENCY VEHICLE PREEMPTION SEQUENCE.

TEMPORARY PHASE DESIGNATION DIAGRAM

STAGE 3 AND STAGE 3A



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	
MOVEMENT	←	
	→	

EMERGENCY VEHICLE PREEMPTION SEQUENCE

STAGE 3 AND STAGE 3A

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS x	WATTAGE INCAND.	LED x	% OPERATION	
SIGNAL (RED)	12		17	0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	12		15	0.25	45
ARROW	8		12	0.25	24
PED. SIGNAL	—		25	1.00	—
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
FLASHER				0.50	—
ENERGY COSTS TO:				TOTAL =	496

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: BRIAN CHAMBERLAIN
PHONE: 630-420-6653
COMPANY: NAPERVILLE ELECTRIC

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, AND IF NO STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY REPSONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

CONSTRUCTION NOTES:

1. THE VIDEO CAMERA LOCATED IN THE NORTHEAST QUADRANT IS TO BE DEACTIVATED DURING STAGE 3. THIS CAMERA WILL BE UTILIZED FOR DETECTION OF RAMP D VEHICULAR TRAFFIC DURING STAGE 3A AND STAGE 3B.
2. ANY TEMPORARY TRAFFIC SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED.
3. THE VIDEO CAMERA LOCATED IN THE MEDIAN MAY REMAIN DEACTIVATED UNTIL STAGE 3B. THIS CAMERA WILL BE UTILIZED FOR DETECTION OF RAMP D VEHICULAR TRAFFIC DURING STAGE 3B ONLY.
4. THIS CAMERA TO BE INSTALLED DURING STAGE 3A BUT MAY REMAIN DEACTIVATED UNTIL STAGE 3B. THIS CAMERA WILL BE UTILIZED FOR DETECTION OF SOUTHBOUND IL ROUTE 59 VEHICULAR TRAFFIC DURING STAGE 3B ONLY.

STAGE 3 AND STAGE 3A

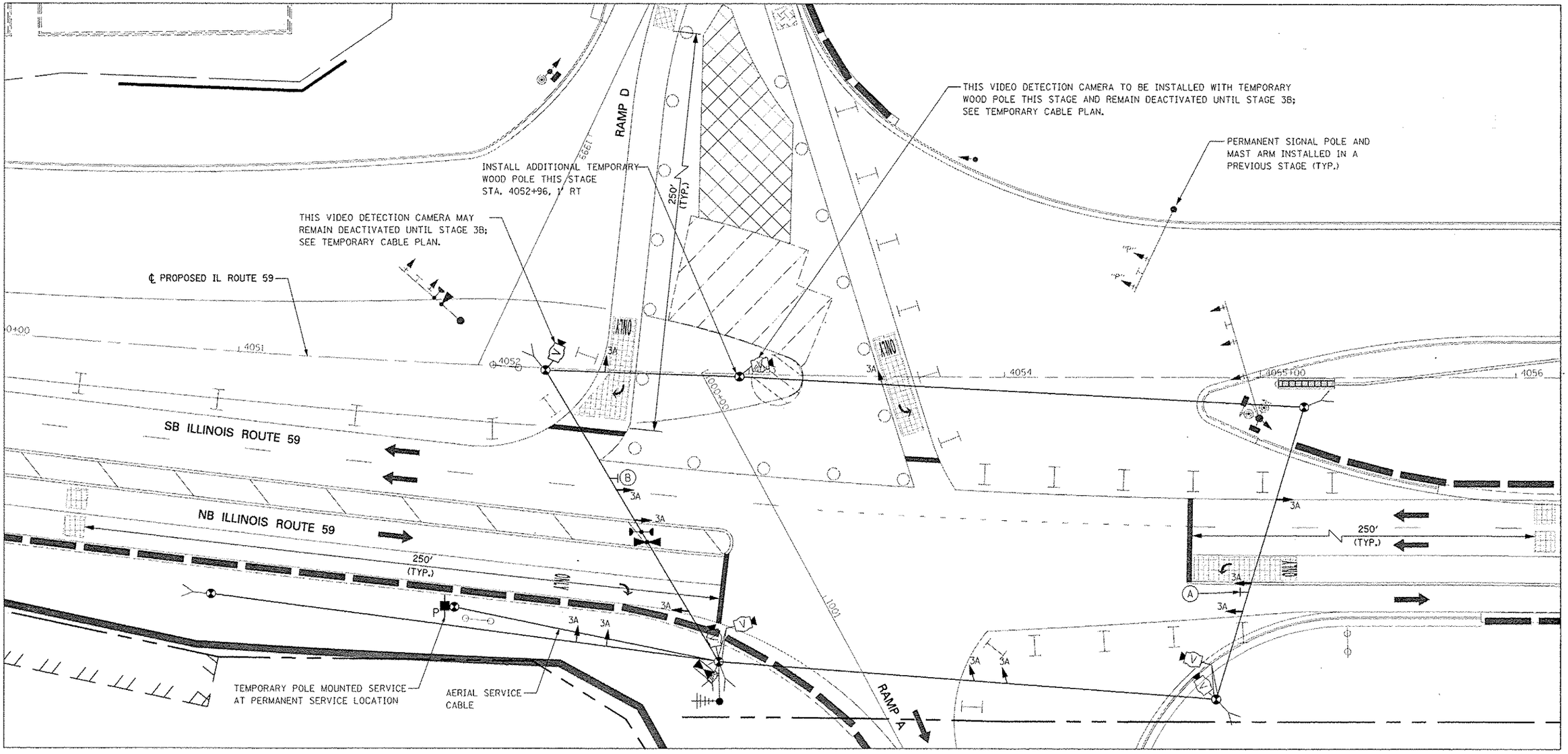
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS

SCALE: | SHEET NO. 25 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	440
	TS-25	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



STAGE 3A TEMPORARY TRAFFIC SIGNALS

SEE SHEET TS-25 FOR STAGE 3A TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

A — R3-2, 36" x 36", 1 REQUIRED

B — R3-1, 36" x 36", 1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

20 0 20 40

SCALE IN FEET

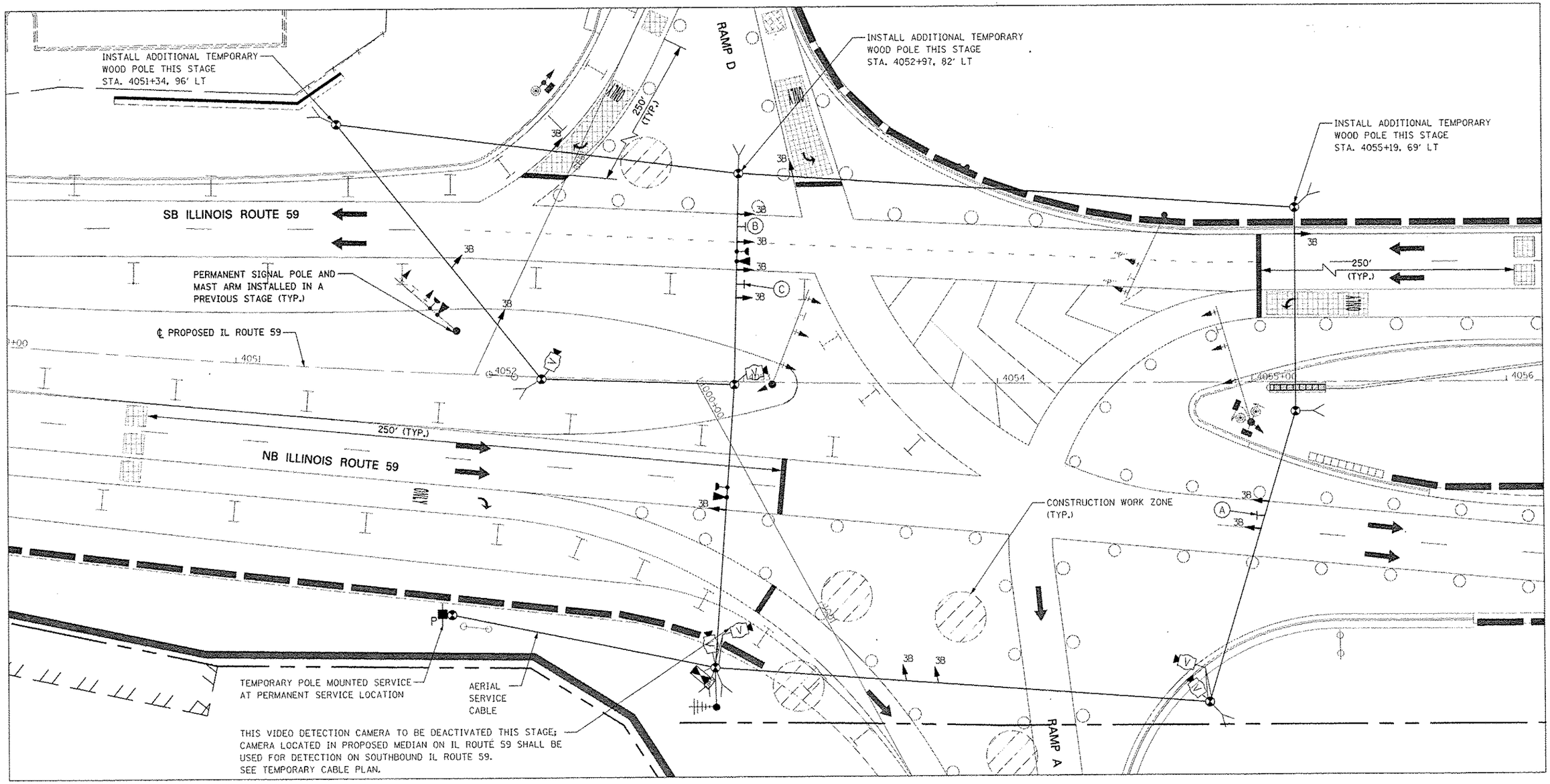
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 3A
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS

SCALE: AS SHOWN | SHEET NO. 26 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	441
	TS-26	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



STAGE 3B TEMPORARY TRAFFIC SIGNALS

SEE SHEET TS-28 FOR STAGE 3B TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

(A) R3-2, 36" x 36", 1 REQUIRED

(B) R3-1, 36" x 36", 1 REQUIRED

(C) LEFT ON GREEN ARROW ONLY, R10-5, 30" x 36", 1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

20 0 20 40
SCALE IN FEET

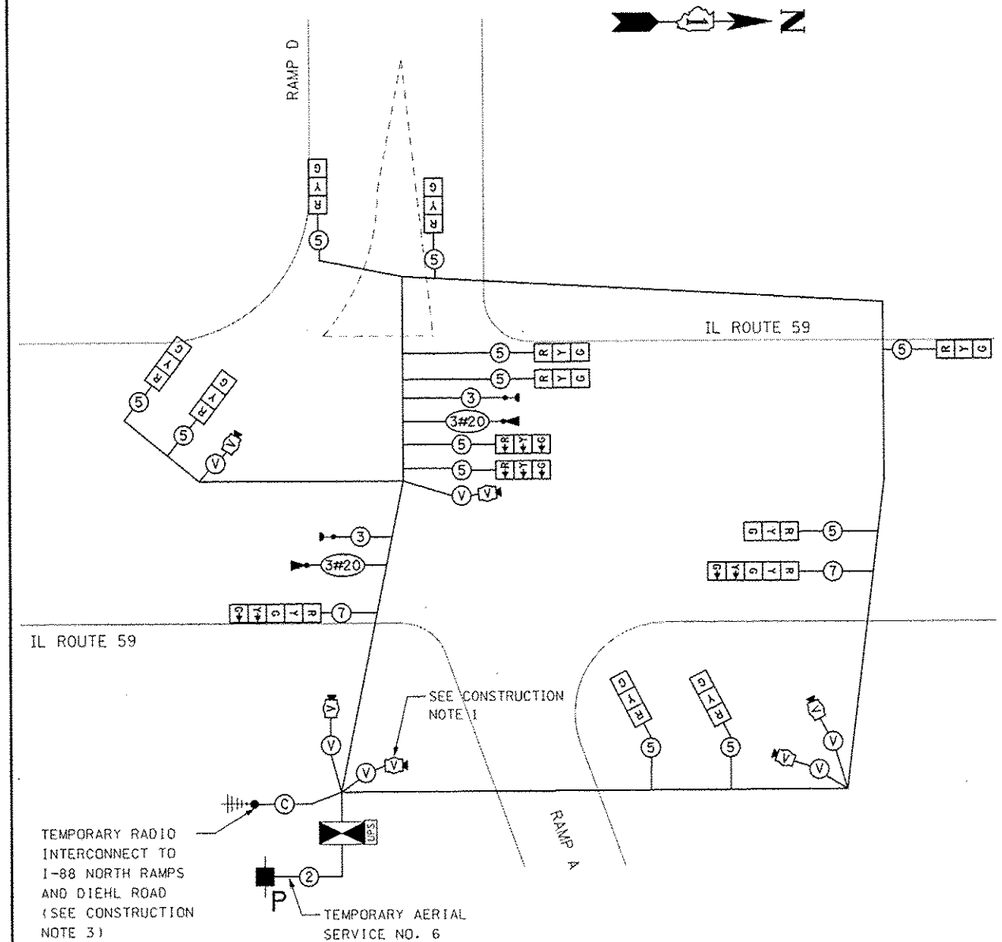
FILE NAME = $FILEL$	USER NAME = $USERN$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 3B
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS

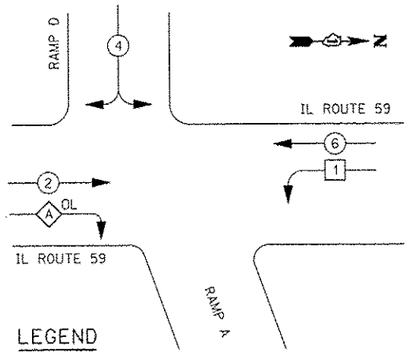
SCALE: AS SHOWN | SHEET NO. 27 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	442
	TS-27	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



TEMPORARY SIGNAL CABLE PLAN

STAGE 3B

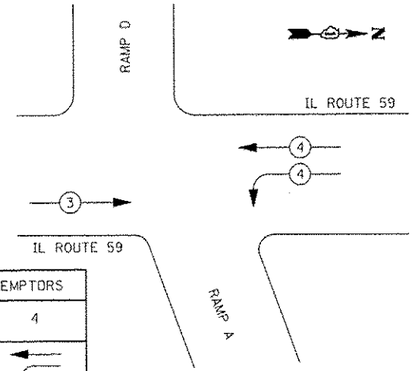


OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	4

NOTE: RIGHT TURN OVERLAP SHALL BE TERMINATED DURING EMERGENCY VEHICLE PREEMPTION SEQUENCE.

TEMPORARY PHASE DESIGNATION DIAGRAM

STAGE 3B



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	→	←

EMERGENCY VEHICLE PREEMPTION SEQUENCE

STAGE 3B

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS x	WATTAGE INCAND.	LED x	% OPERATION	
SIGNAL (RED)	14		17	0.50	119
(YELLOW)	14		25	0.25	87.5
(GREEN)	14		15	0.25	52.5
ARROW	4		12	0.25	12
PED. SIGNAL	—		25	1.00	—
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
FLASHER				0.50	—
ENERGY COSTS TO:				TOTAL =	521

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: BRIAN CHAMBERLAIN
PHONE: 630-420-6653
COMPANY: NAPERVILLE ELECTRIC

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL. AT THE TIME OF THE TURN ON, AND IF NO STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY REPSONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

CONSTRUCTION NOTES:

1. THE VIDEO CAMERA LOCATED IN THE SOUTHEAST QUADRANT IS TO BE DEACTIVATED DURING ALL STAGES EXCEPT FOR STAGES 3 AND 3A. THE CAMERA LOCATED IN THE PROPOSED MEIDAN SHALL BE USED FOR DETECTION OF VEHICULAR TRAFFIC ON SOUTHBOUND IL ROUTE 59 THIS STAGE.
2. ANY TEMPORARY TRAFFIC SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED.
3. THE TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL THE PERMANENT FIBER INTERCONNECT TO DIEHL ROAD AND FERRY ROAD IS INSTALLED AND OPERATIONAL.

STAGE 3B

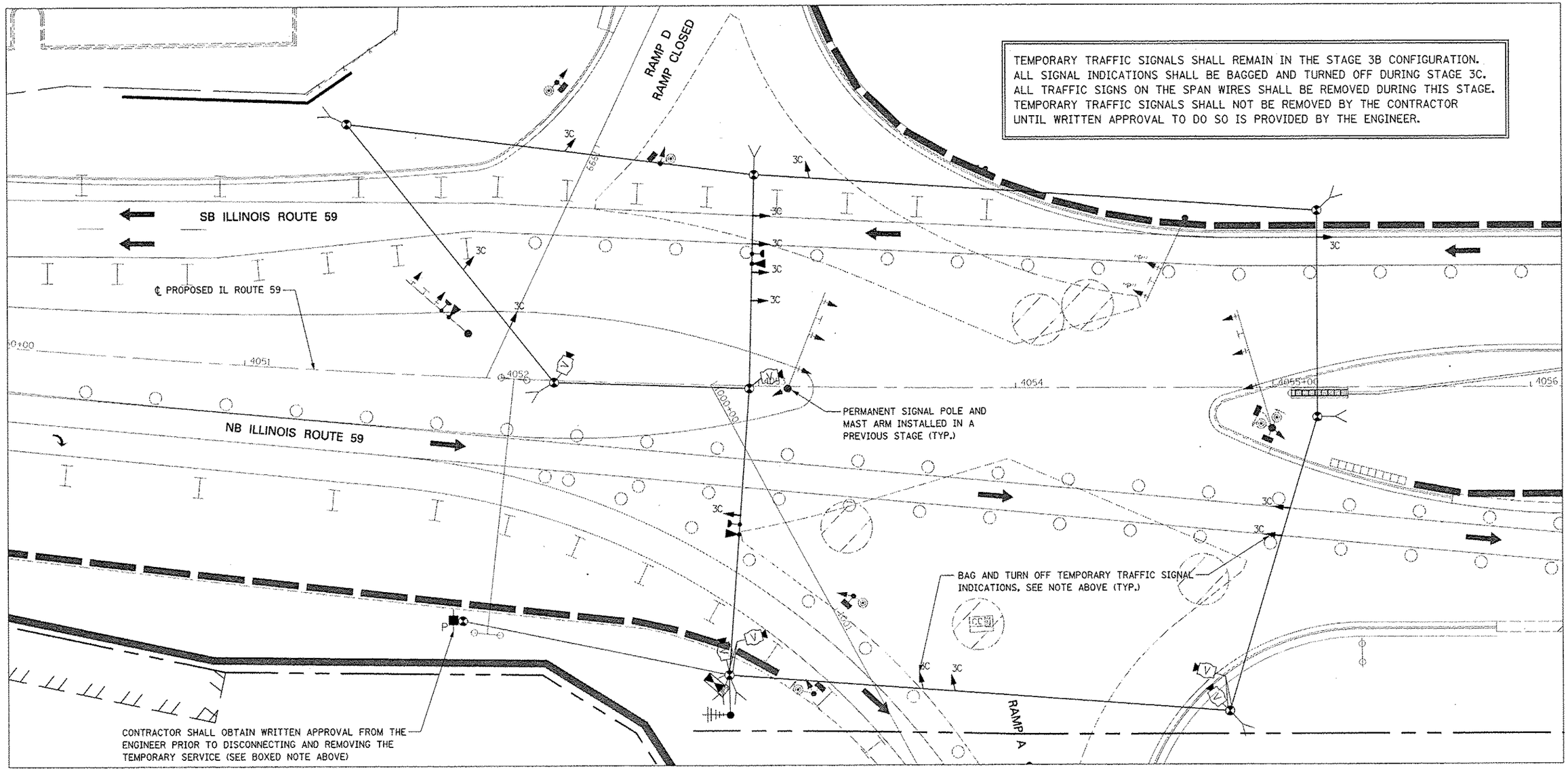
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS

SCALE: | SHEET NO. 28 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	443
	TS-28	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



STAGE 3C TEMPORARY TRAFFIC SIGNALS

NOTE:
STAGES 4, 4A AND 4B OPERATE IN THE PROPOSED DIVERGING DIAMOND TRAFFIC PATTERN. THE INTERSECTION IS CONTROLLED BY THE PERMANENT TRAFFIC SIGNALS IN THESE STAGES.
SEE PERMANENT TRAFFIC SIGNAL PLANS AND MAINTENANCE OF TRAFFIC PLANS.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- DIRECTION OF TRAFFIC
- VIDEO DETECTION ZONE

N

20 0 20 40

SCALE IN FEET

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

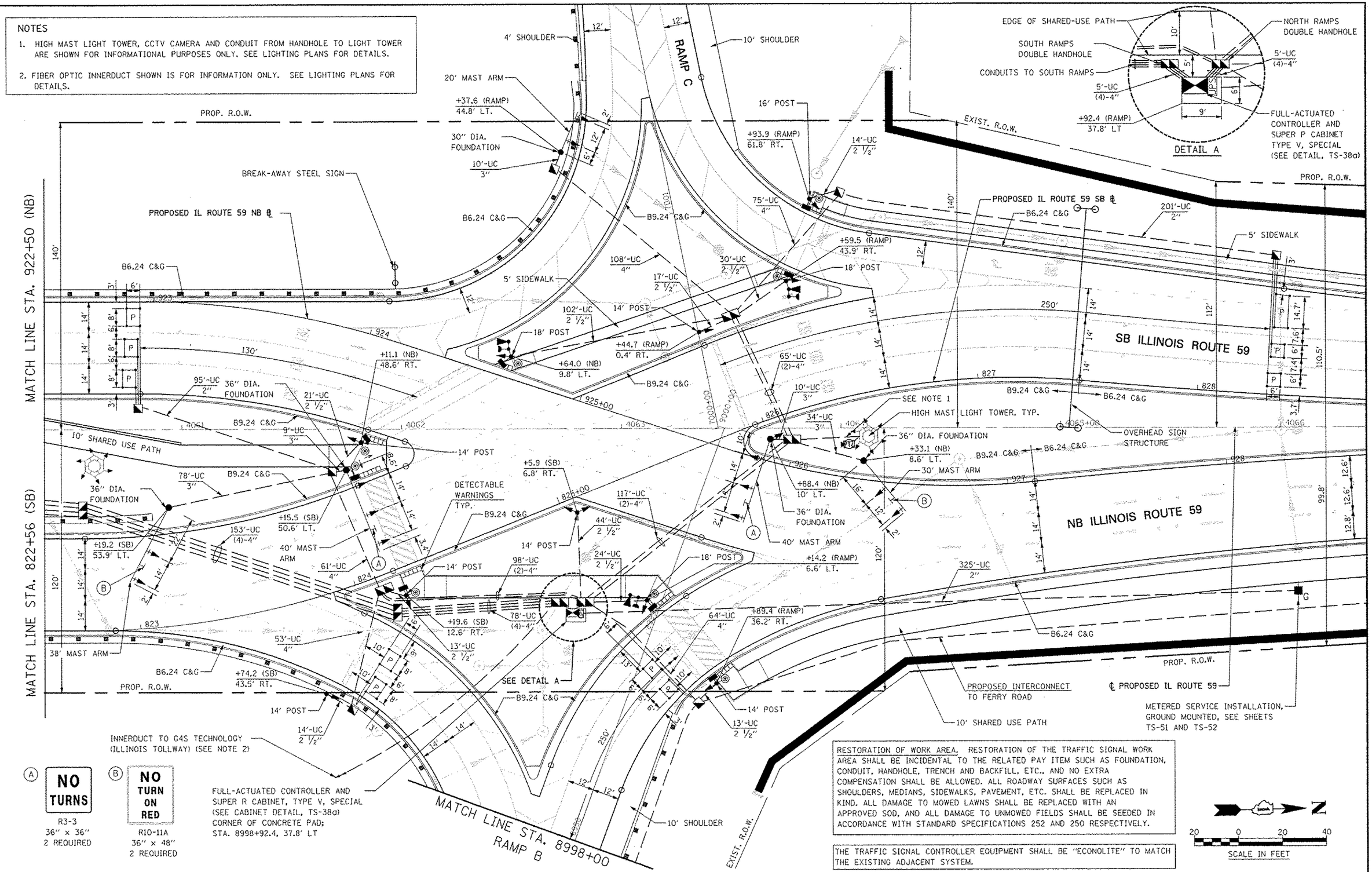
TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 3C
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS

SCALE: AS SHOWN | SHEET NO. 29 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-6	DUPAGE	963	444
	TS-29	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			

NOTES

1. HIGH MAST LIGHT TOWER, CCTV CAMERA AND CONDUIT FROM HANDHOLE TO LIGHT TOWER ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. SEE LIGHTING PLANS FOR DETAILS.
2. FIBER OPTIC INNERDUCT SHOWN IS FOR INFORMATION ONLY. SEE LIGHTING PLANS FOR DETAILS.



Ⓐ **NO TURNS**
R3-3
36" x 36"
2 REQUIRED

Ⓑ **NO TURN ON RED**
R10-11A
36" x 48"
2 REQUIRED

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

20 0 20 40
SCALE IN FEET

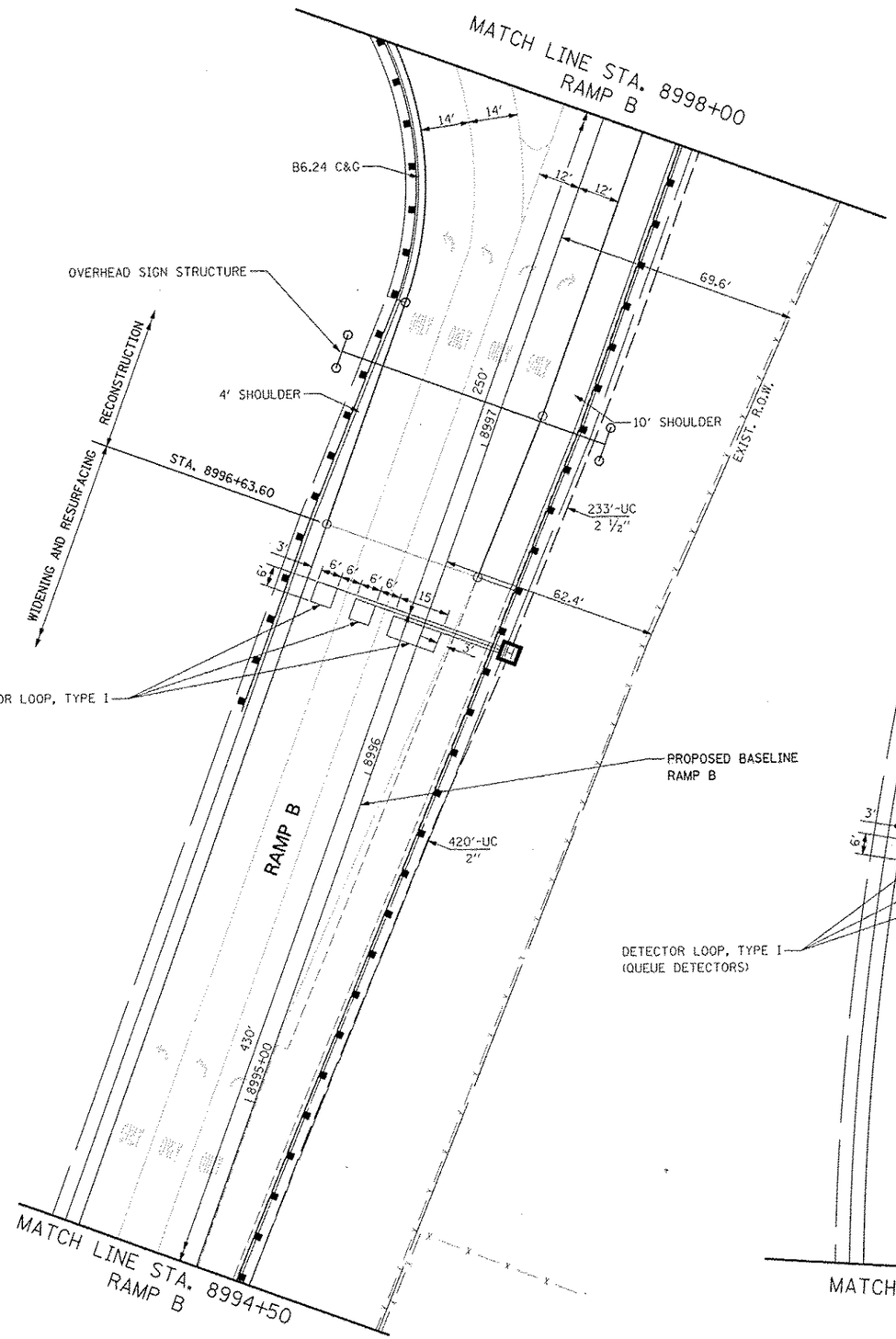
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

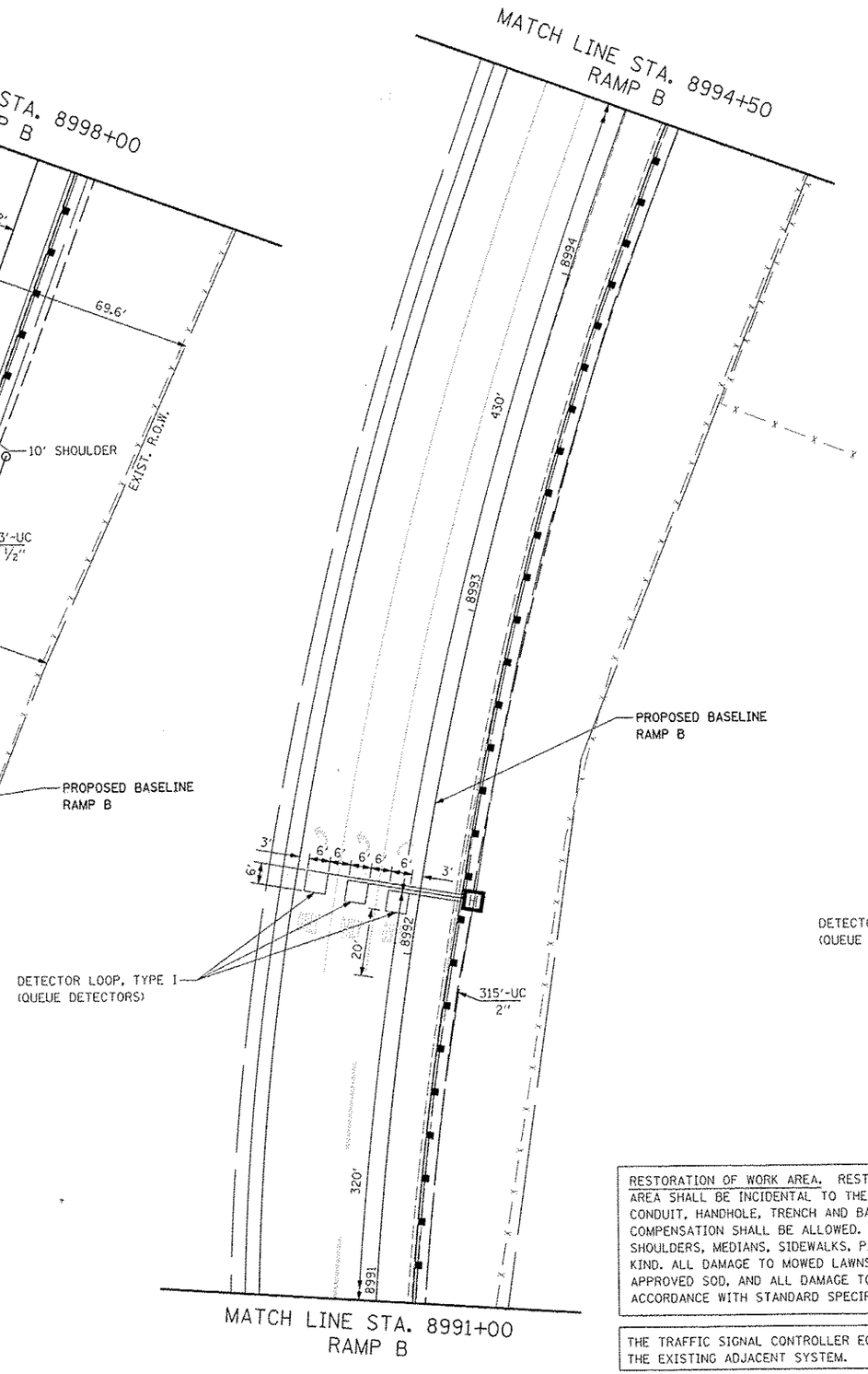
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

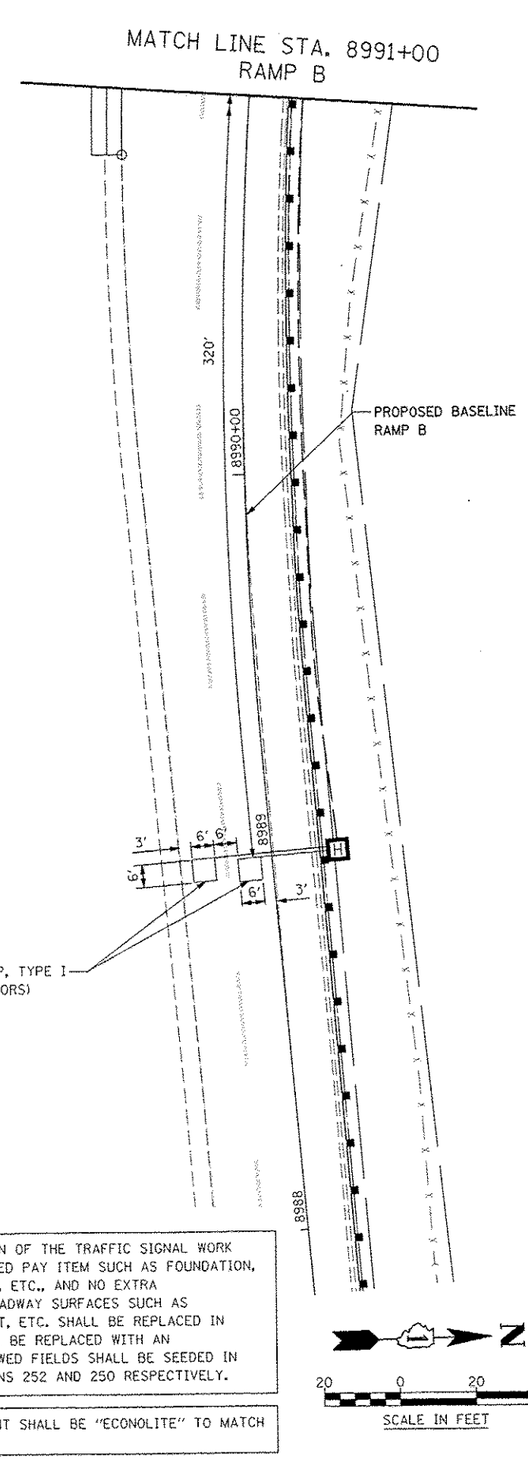
PROPOSED TRAFFIC SIGNAL PLAN
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS

SCALE: AS SHOWN | SHEET NO. 30 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	445
	TS-30	CONTRACT NO. 60I31		
		ILLINOIS FED. AID PROJECT		







RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

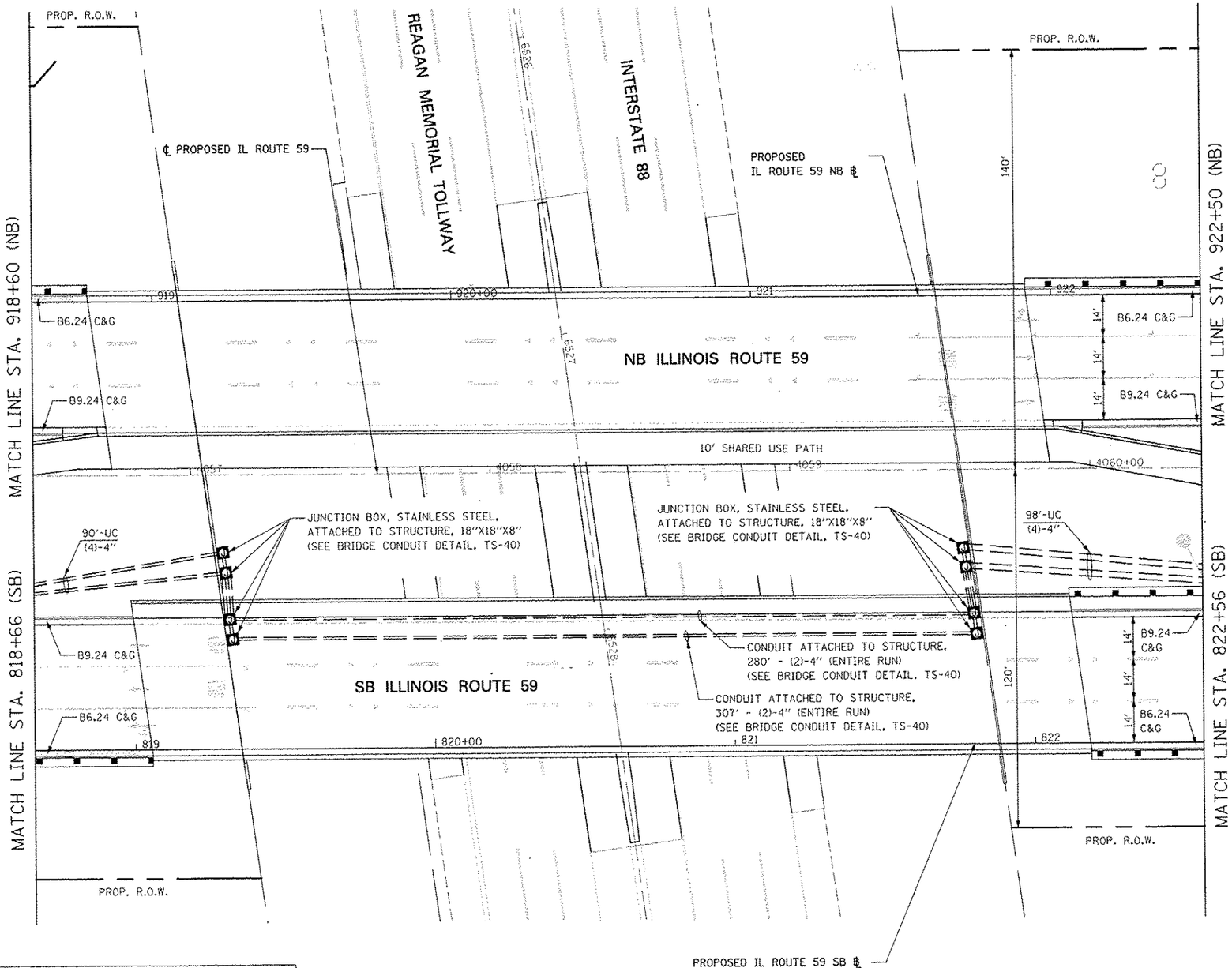
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLAN
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS

SCALE: AS SHOWN | SHEET NO. 31 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	446
	TS-31	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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SCALE IN FEET

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLAN
ILLINOIS ROUTE 59 AND I-88 NORTH/SOUTH RAMPS

SCALE: AS SHOWN | SHEET NO. 32 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	447

TS-32 CONTRACT NO. 60131

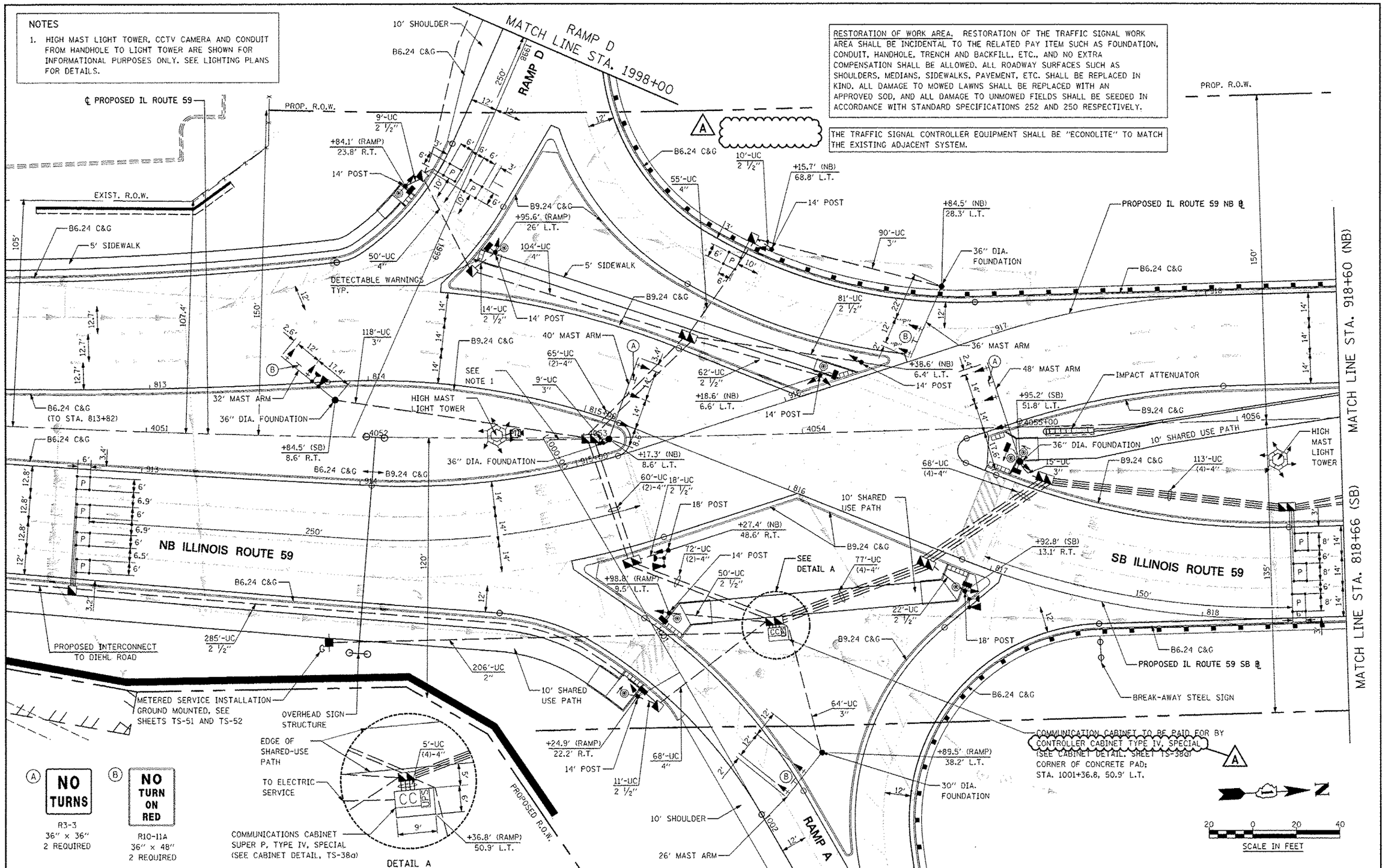
ILLINOIS FED. AID PROJECT

NOTES

1. HIGH MAST LIGHT TOWER, CCTV CAMERA AND CONDUIT FROM HANDHOLE TO LIGHT TOWER ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. SEE LIGHTING PLANS FOR DETAILS.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

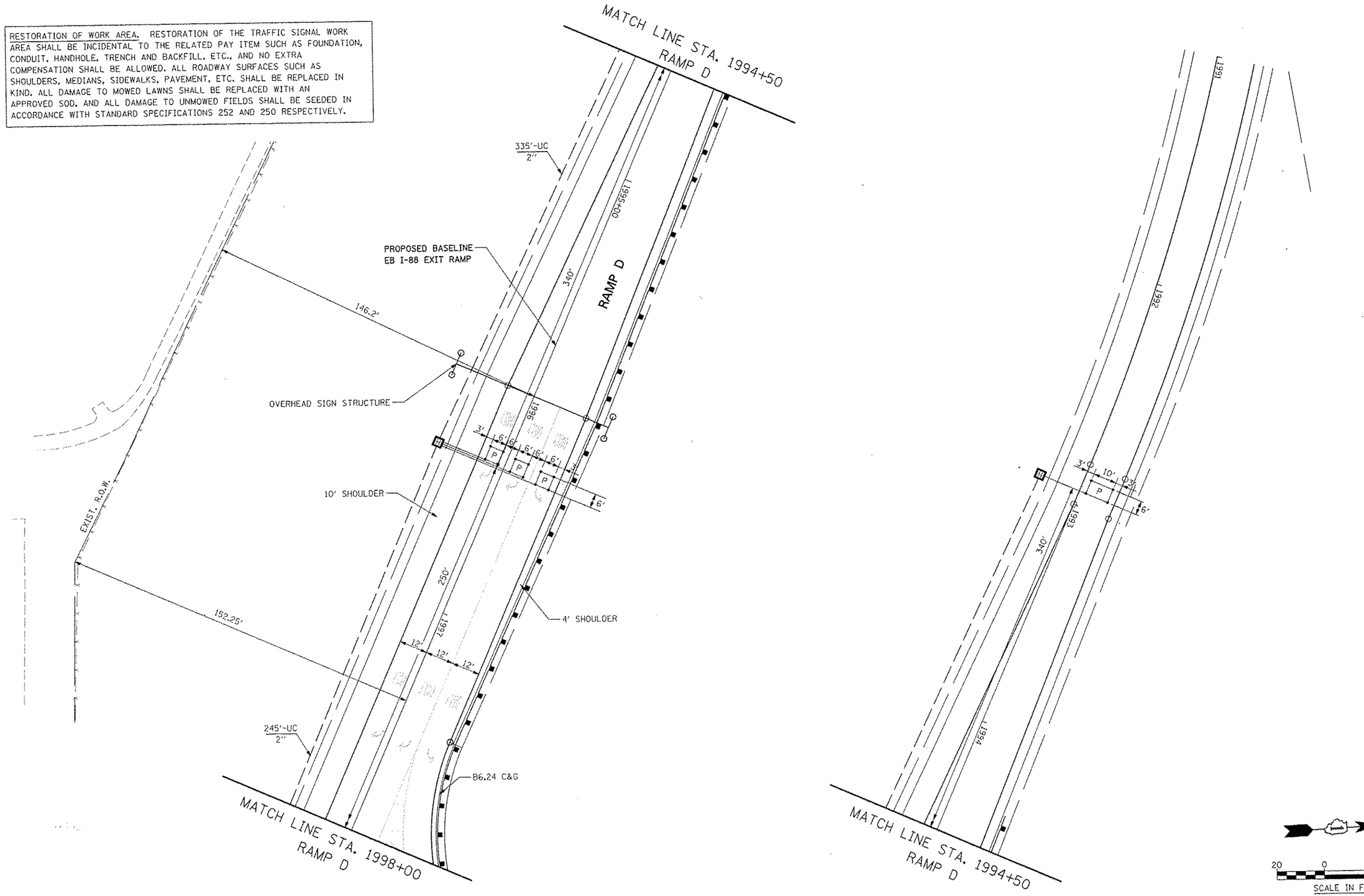
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED ADDENDUM A 12/17/2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TRAFFIC SIGNAL PLAN IL ROUTE 59 AND I-88 SOUTH RAMPS
		DRAWN KES	REVISED		
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED		SCALE: AS SHOWN | SHEET NO. 33 OF 53 SHEETS | STA. TO STA.
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	448
	TS-33	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

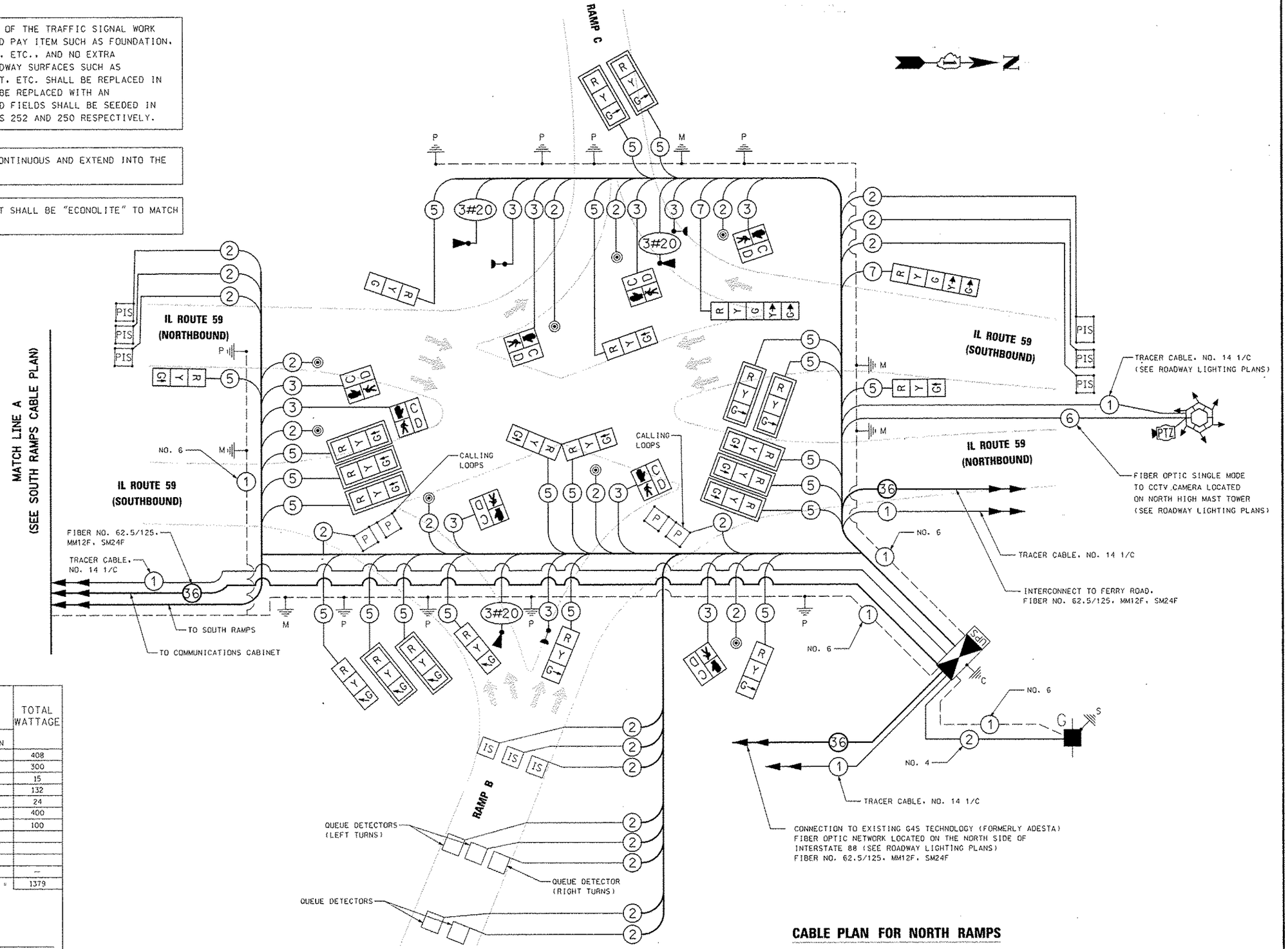


FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TRAFFIC SIGNAL PLAN IL ROUTE 59 AND I-88 SOUTH RAMPS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN KES	REVISED			338	(112 & 113) WRS-5	DUPAGE	963	449
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED				TS-34	CONTRACT NO. 60131		
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED		SCALE: AS SHOWN | SHEET NO. 34 OF 53 SHEETS | STA. TO STA.		ILLINOIS FED. AID PROJECT			

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



CABLE PLAN FOR NORTH RAMPS

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS x	WATTAGE INCAND.	LED x	% OPERATION	
SIGNAL (RED)	48		17	0.50	408
(YELLOW)	48		25	0.25	300
(GREEN)	4		15	0.25	15
ARROW (3-HEAD)	44		12	0.25	132
ARROW (5-HEAD)	4		12	0.50	24
PED. SIGNAL	16		25	1.00	400
CONTROLLER	1		100	1.00	100
FLASHER				0.50	—
ENERGY COSTS TO:				TOTAL =	1379

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: BRIAN CHAMBERLAIN
PHONE: 630-420-6653
COMPANY: NAPERVILLE ELECTRIC

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

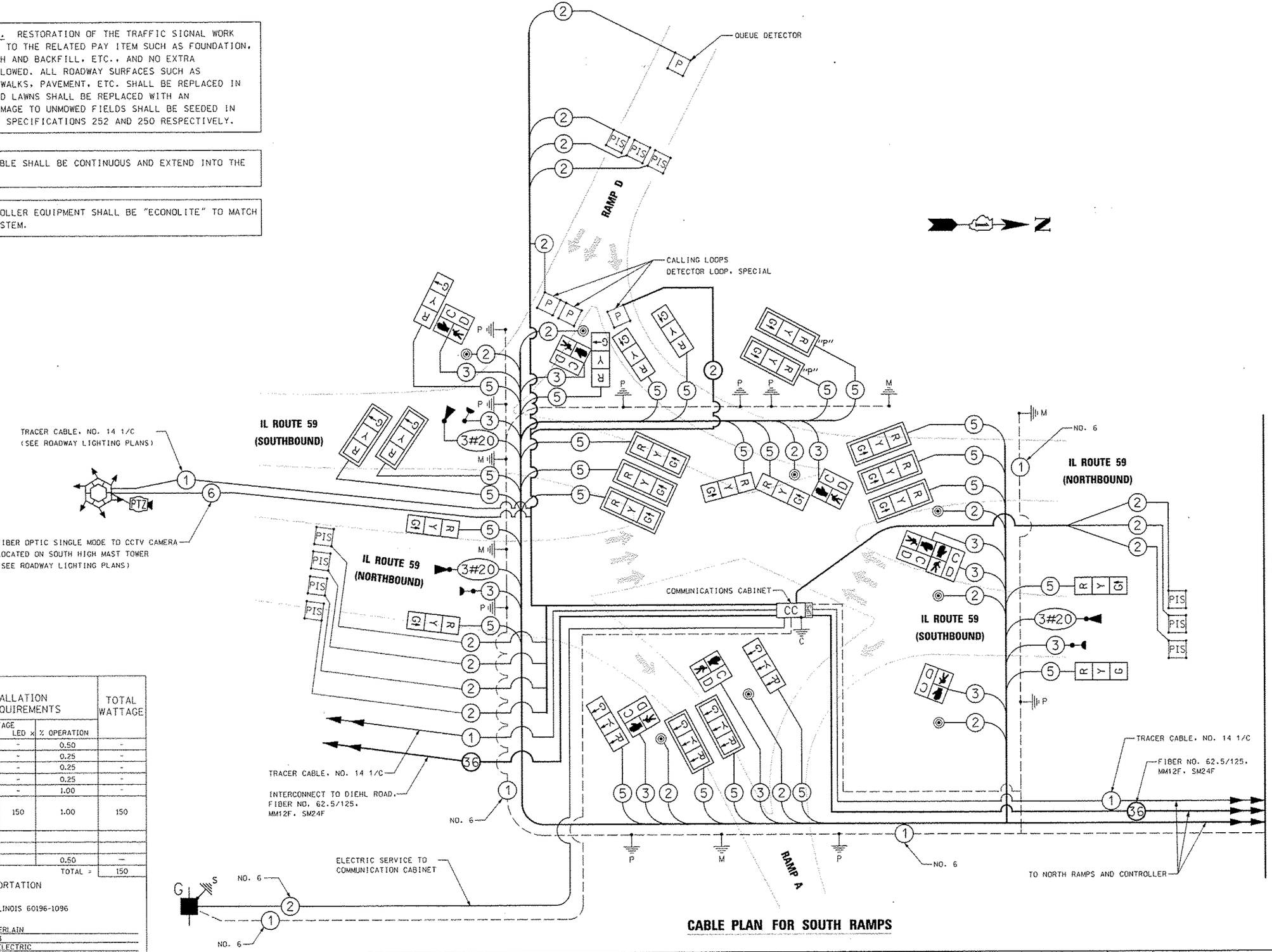
CABLE PLAN
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS
SCALE: | SHEET NO. 35 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	450
	TS-35	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



CABLE PLAN FOR SOUTH RAMPS

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS		WATTAGE			TOTAL WATTAGE
TYPE	NO. OF LAMPS x	INCAND.	LED x	% OPERATION	
SIGNAL (RED)	-		-	0.50	-
(YELLOW)	-		-	0.25	-
(GREEN)	-		-	0.25	-
ARROW (GREEN)	-		-	0.25	-
PED. SIGNAL	-		-	1.00	-
COMMUNICATION CABINET EQUIPMENT	1		150	1.00	150
FLASHER				0.50	—
ENERGY COSTS TO:				TOTAL =	150

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

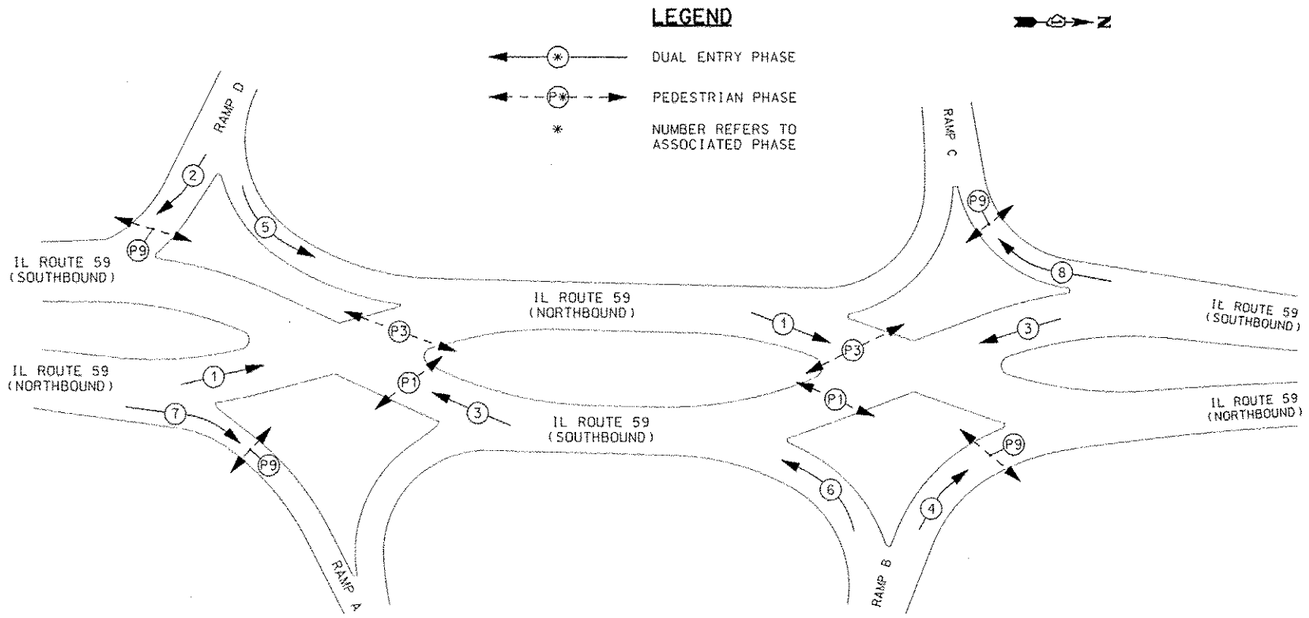
ENERGY SUPPLY: CONTACT: BRIAN CHAMBERLAIN
PHONE: 630-420-6653
COMPANY: NAPERVILLE ELECTRIC

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KCS	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS
SCALE: | SHEET NO. 36 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	451
	TS-36	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			

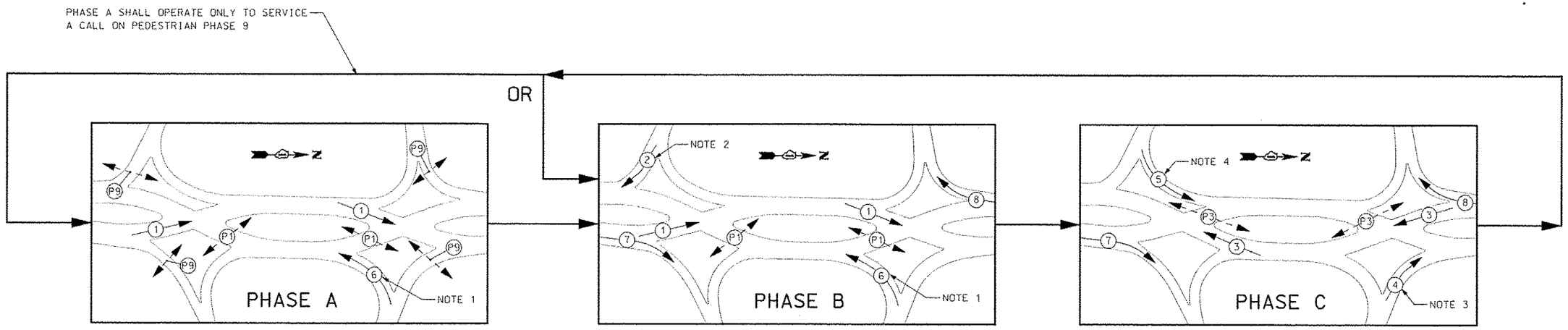


PHASE DESIGNATION DIAGRAM

(SEE CORRESPONDING PHASE SEQUENCE BELOW)

EMERGENCY VEHICLE PREEMPTION SEQUENCE

SEE SHEET TS-38

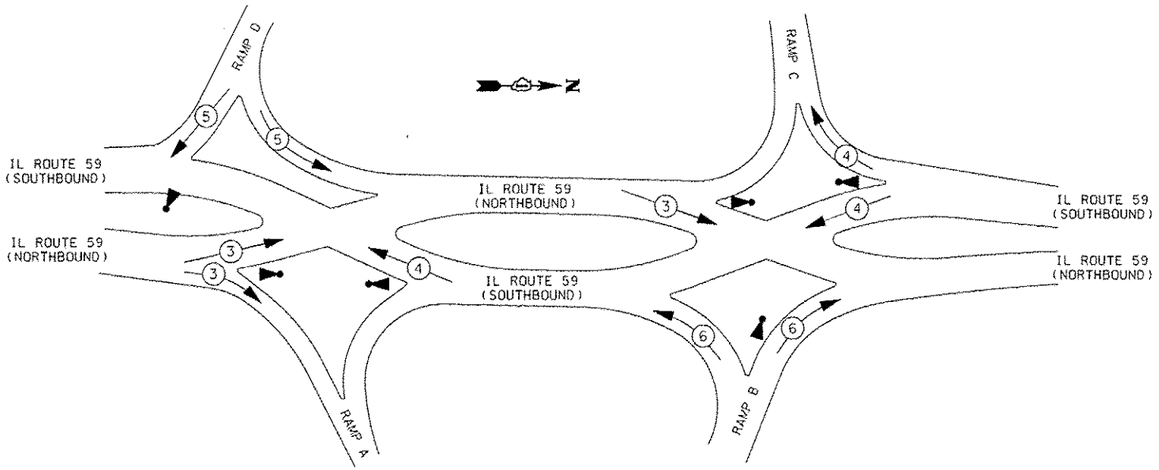


CORRESPONDING PHASE SEQUENCE OF OPERATION

NOTES

1. WHEN GOING FROM PHASE C TO A OR PHASE C TO B, THIS PHASE SHALL USE A DELAY SETTING (ALL-RED CLEARANCE INTERVAL) OF 8 SECONDS PRIOR TO DISPLAYING A GREEN INDICATION.
2. WHEN GOING FROM PHASE C TO B, THIS PHASE SHALL USE A DELAY SETTING (ALL-RED CLEARANCE INTERVAL) OF 9 SECONDS PRIOR TO DISPLAYING A GREEN INDICATION.
3. THIS PHASE SHALL ALWAYS USE A DELAY SETTING (ALL-RED CLEARANCE INTERVAL) OF 8 SECONDS PRIOR TO DISPLAYING A GREEN INDICATION.
4. THIS PHASE SHALL ALWAYS USE A DELAY SETTING (ALL-RED CLEARANCE INTERVAL) OF 7 SECONDS PRIOR TO DISPLAYING A GREEN INDICATION.

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED M.J.M	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PHASE DESIGNATION DIAGRAM AND SEQUENCE OF OPERATION ILLINOIS ROUTE 59 AND INTERSTATE 88	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN K.E.S	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	452
	PLOT SCALE = $SCALE$	CHECKED J.C.M	REVISED -				TS-37		CONTRACT NO. 60131	
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -		SCALE: SHEET NO. 37 OF 53 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		



PROPOSED EMERGENCY VEHICLE PREEMPTORS								
EMERGENCY VEHICLE PREEMPTORS	3		4		5		6	
INTERSECTION	SOUTH	NORTH	SOUTH	NORTH	SOUTH	NORTH	SOUTH	NORTH
MOVEMENT								

EMERGENCY VEHICLE PREEMPTION SEQUENCE

TRAFFIC SIGNALS SCHEDULE OF QUANTITIES - IL ROUTE 59 AND I-88 RAMPS

ITEM	UNIT	TOTAL
SIGN PANEL - TYPE 1	SQ FT	36
SIGN PANEL - TYPE 2	SQ FT	60
SERVICE INSTALLATION - GROUND MOUNTED	EACH	2
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2142
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	1087
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	437
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	4380
CONDUIT ATTACHED TO STRUCTURE, 4" DIA., GALVANIZED STEEL	FOOT	1174
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	8
HANDHOLE	EACH	12
HEAVY-DUTY HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	14
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	11092
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	15492
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	33,771
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	623
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	19108
✳ EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	4357
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 4 2 C	FOOT	340
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	221
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	4003
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	13
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	5
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	84
CONCRETE FOUNDATION, TYPE C	FOOT	8
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	96
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	22
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	18
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	24
INDUCTIVE LOOP DETECTOR	EACH	29
DETECTOR LOOP, TYPE I	FOOT	336
PREFORMED DETECTOR LOOP	FOOT	1002
✳ LIGHT DETECTOR	EACH	6
✳ LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	16
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2
REMOVE EXISTING HANDHOLE	EACH	33
REMOVE EXISTING DOUBLE HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	17
FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1
CONTROLLER CABINET TYPE IV, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1

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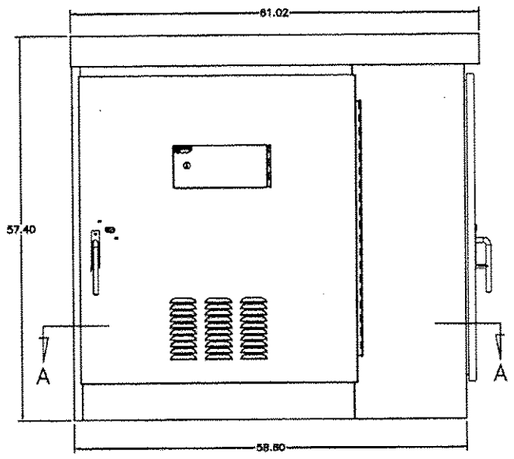
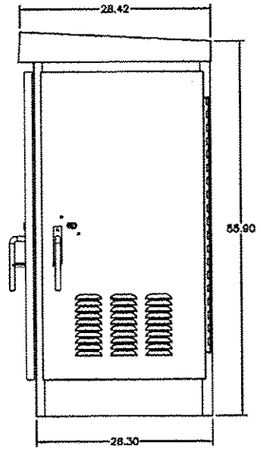
✳ 100% COST TO THE CITY OF NAPERVILLE

FILE NAME = ♦FILEL♦	USER NAME = ♦USER♦	DESIGNED MJM	REVISED ADDENDUM A 12/17/2012	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SCHEDULE OF QUANTITIES & EMERGENCY VEHICLE PREEMPTION SEQUENCE ILLINOIS ROUTE 59 AND INTERSTATE 88**
		DRAWN KES	REVISED		
	PLOT SCALE = ♦SCALE♦	CHECKED JCM	REVISED -		SCALE: SHEET NO. 38 OF 53 SHEETS STA. TO STA.
	PLOT DATE = ♦DATE♦	DATE 10/15/2012	REVISED -		

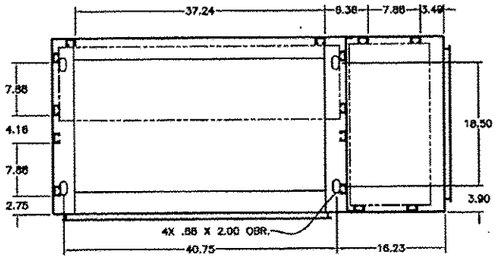
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	453
	TS-38	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



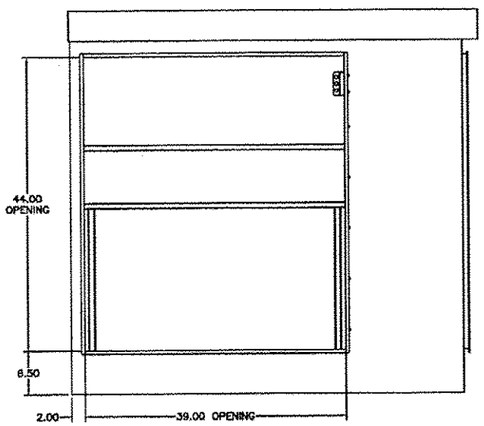
FRONT VIEW



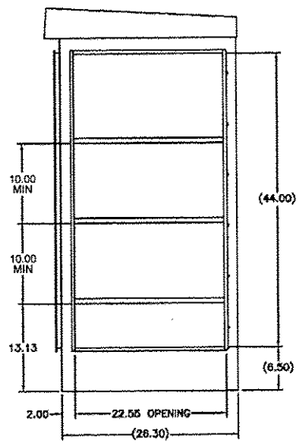
SIDE VIEW



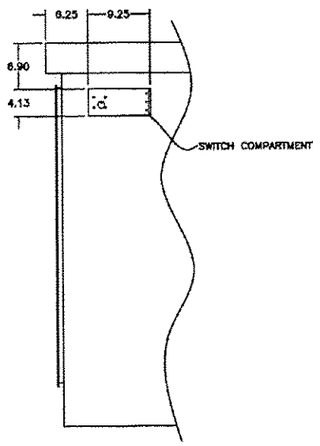
SECTION A–A
DOORS REMOVED FOR CLARITY



FRONT VIEW
LESS DOOR



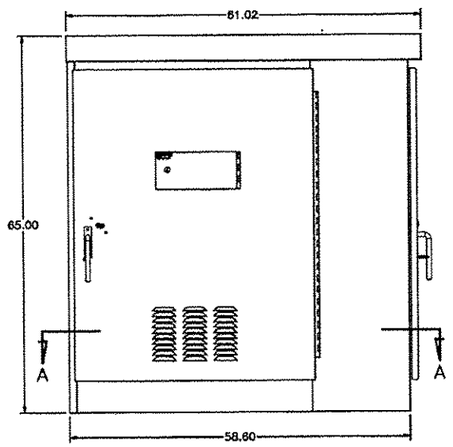
SIDE VIEW
LESS DOOR



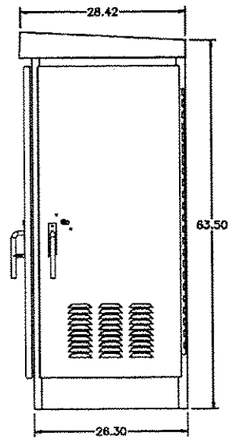
REAR VIEW
PARTIAL

SUPER P TRAFFIC SIGNAL CABINET, TYPE IV, SPECIAL

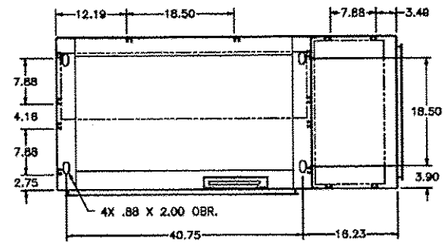
58.6" W x 57.4" H x 26.3" D
(DIMENSIONS SHOWN IN INCHES)



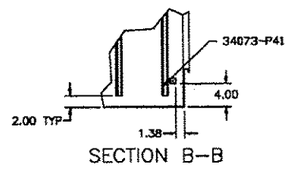
FRONT VIEW



SIDE VIEW

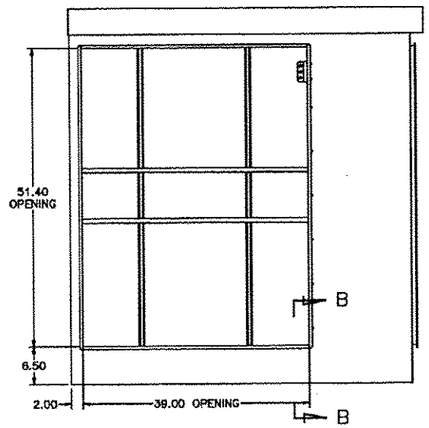


DOORS REMOVED FOR CLARITY

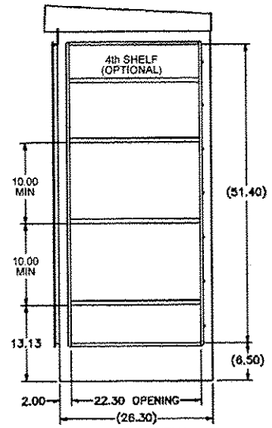


SECTION B–B

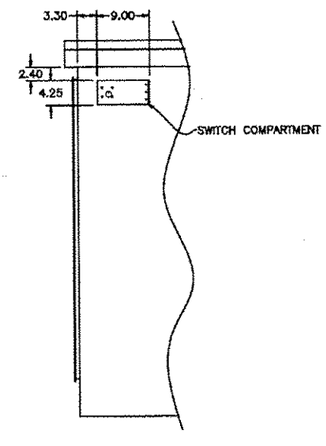
SECTION A–A



FRONT VIEW
LESS DOOR



SIDE VIEW
LESS DOOR



REAR VIEW
PARTIAL

SUPER R TRAFFIC SIGNAL CABINET, TYPE V, SPECIAL

58.6" W x 65.0" H x 26.3" D
(DIMENSIONS SHOWN IN INCHES)

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL CABINET DETAILS ILLINOIS ROUTE 59
		DRAWN KFS	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -		
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -		SCALE: SHEET NO. 39 OF 53 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	454
	TS-38a	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			

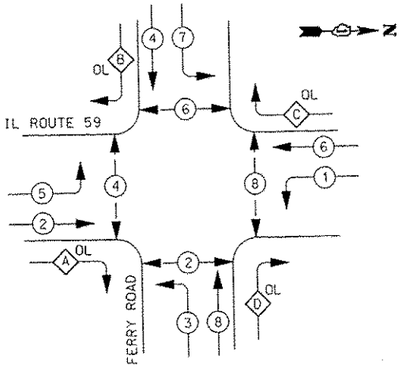
LEGEND

DUAL ENTRY PHASE

OVERLAP

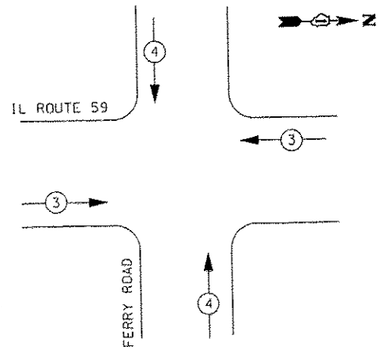
PEDESTRIAN PHASE

NUMBER REFERS TO ASSOCIATED PHASE



PHASE DESIGNATION DIAGRAM

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1



EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	↓ ↑

EMERGENCY VEHICLE PREEMPTION SEQUENCE

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS x	WATTAGE INCAND.	WATTAGE LED x	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20		17	0.50	170
(YELLOW)	20		25	0.25	125
(GREEN)	20		15	0.25	75
ARROW	32		12	0.10	38.4
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
FLASHER				0.50	--
				TOTAL =	708.4

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: _____

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

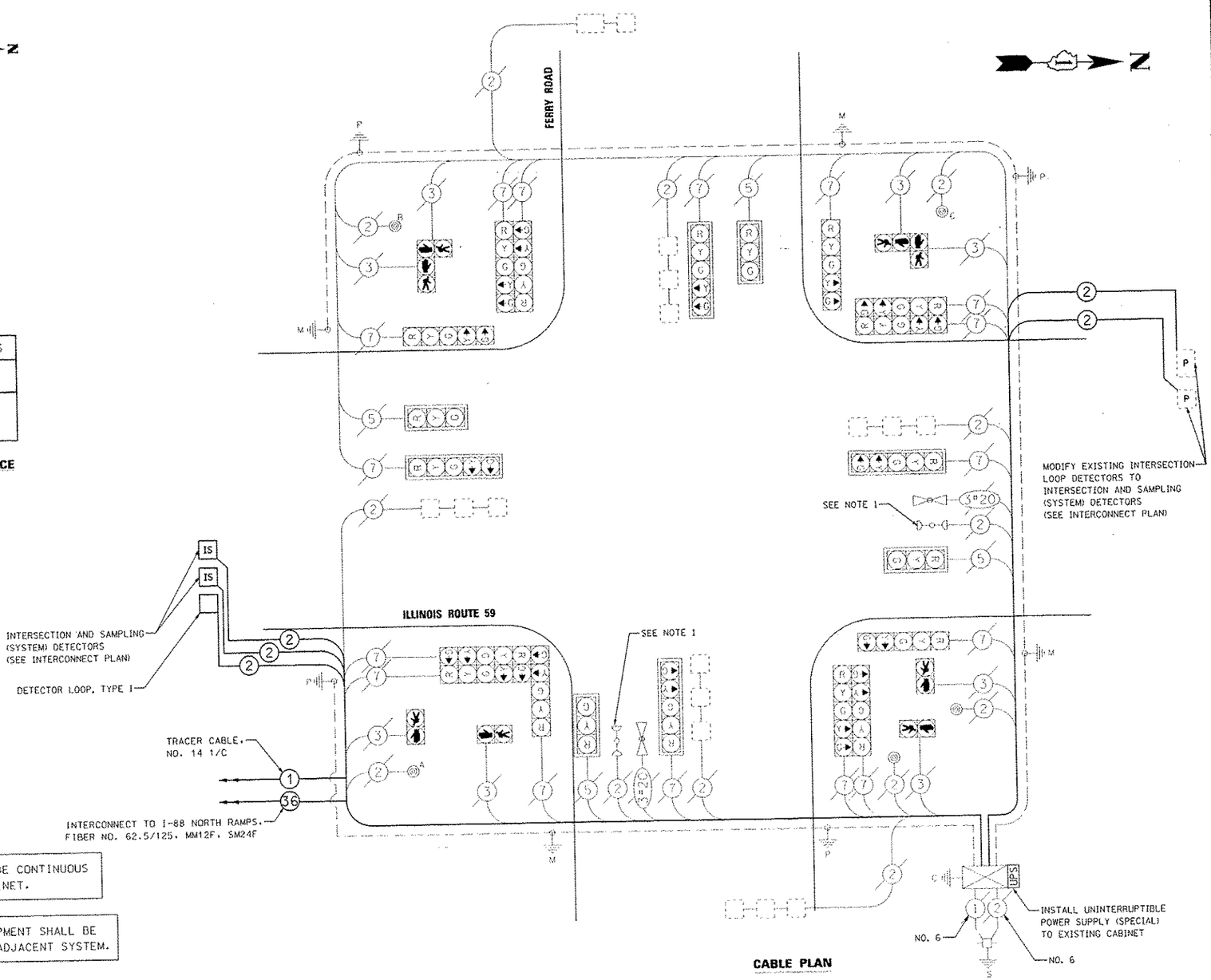
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

PUSH-BUTTON NOTES

PUSH-BUTTON "A" SHALL PLACE A CALL ON PHASES 2 AND 4
PUSH-BUTTON "B" SHALL PLACE A CALL ON PHASES 4 AND 6
PUSH-BUTTON "C" SHALL PLACE A CALL ON PHASES 6 AND 8

NOTES

1. EXISTING INCANDESCENT CONFIRMATION BEACONS SHALL BE REPLACED WITH 6 WATT PAR 38 LED FLOOD LAMP. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE FOR UNINTERUPTIBLE POWER SUPPLY (SPECIAL) AND SHALL NOT BE PAID FOR SEPARATELY.



CABLE PLAN

SCHEDULE OF QUANTITIES

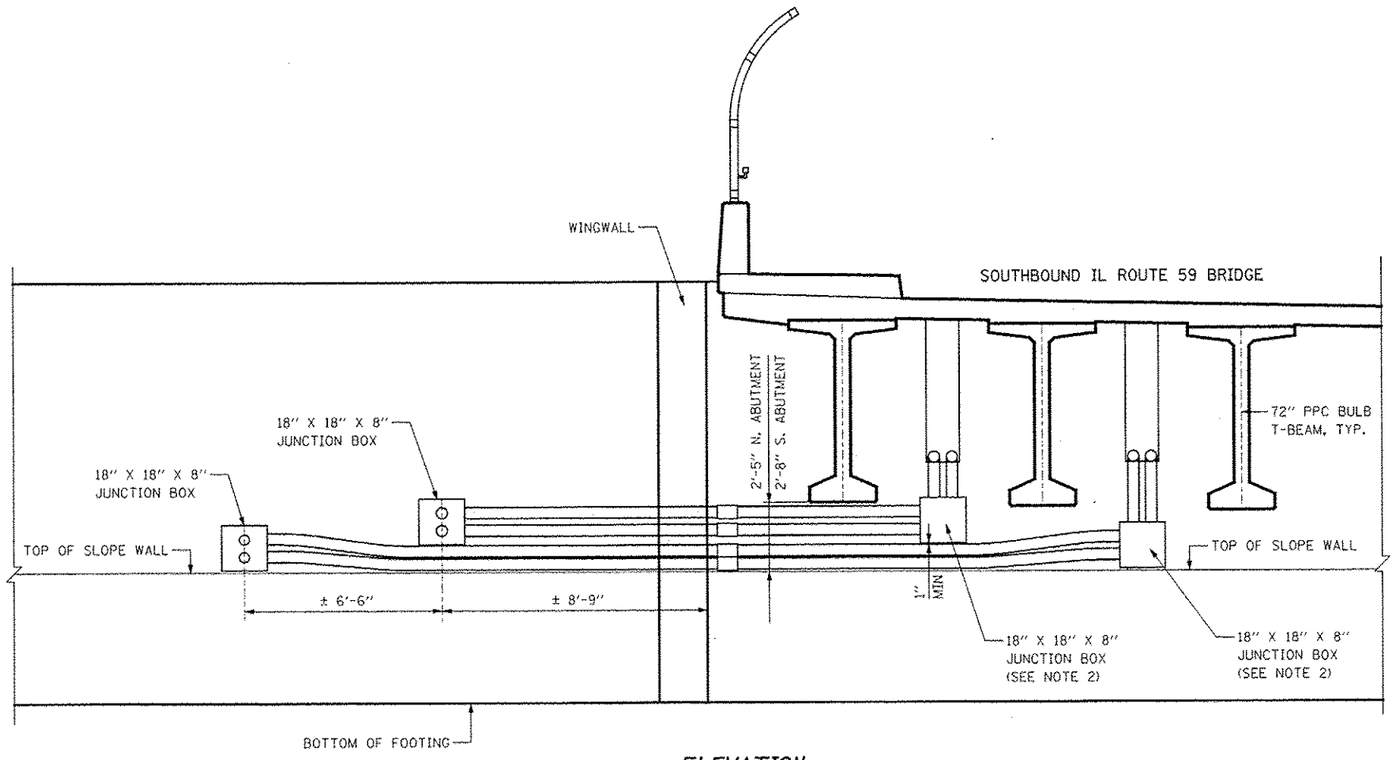
ITEM	UNIT	QUANTITY
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	918
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	117
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO 14 1 PAIR	FOOT	2500
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED -
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ILLINOIS ROUTE 59 AND FERRY ROAD
SCALE: | SHEET NO. 40 OF 53 SHEETS | STA. | TO STA.

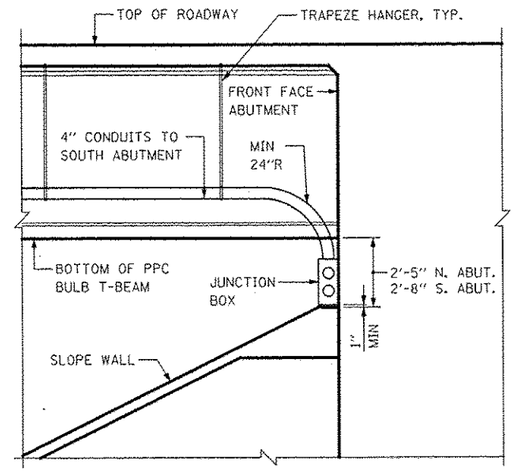
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	455
	TS-39	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



ELEVATION

(Looking North)

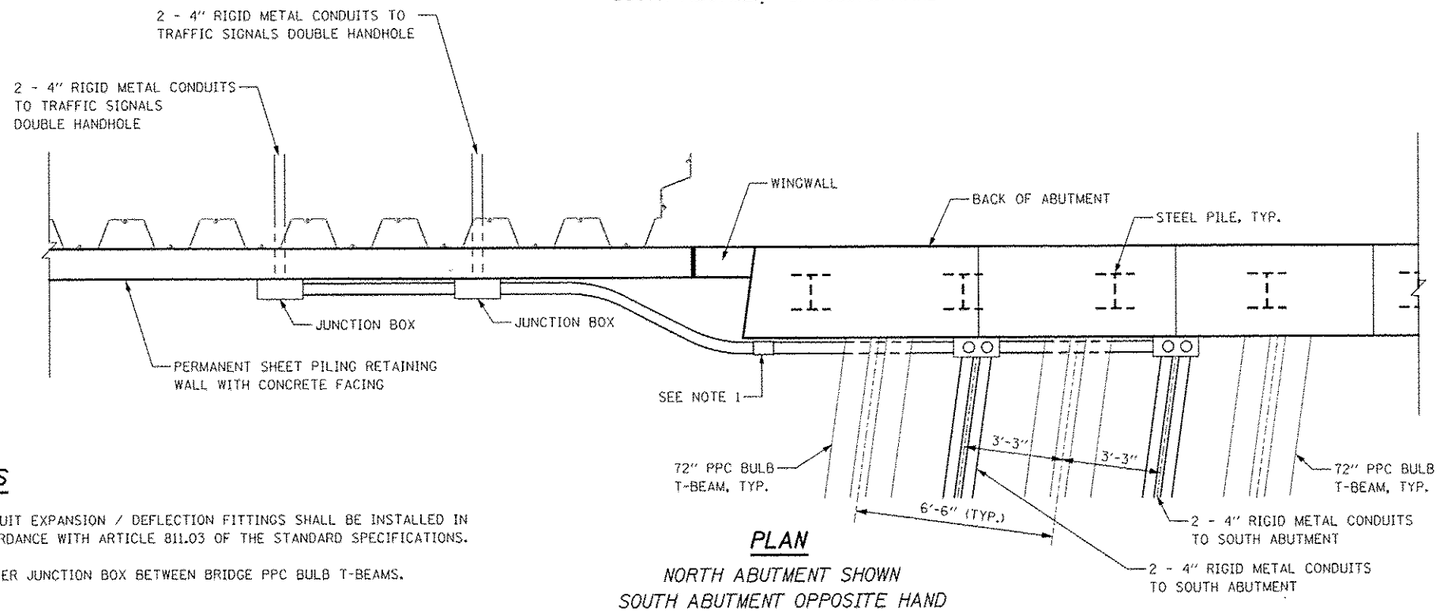
NORTH ABUTMENT SHOWN
SOUTH ABUTMENT OPPOSITE HAND



ELEVATION

(Looking West)

NORTH ABUTMENT SHOWN
SOUTH ABUTMENT OPPOSITE HAND



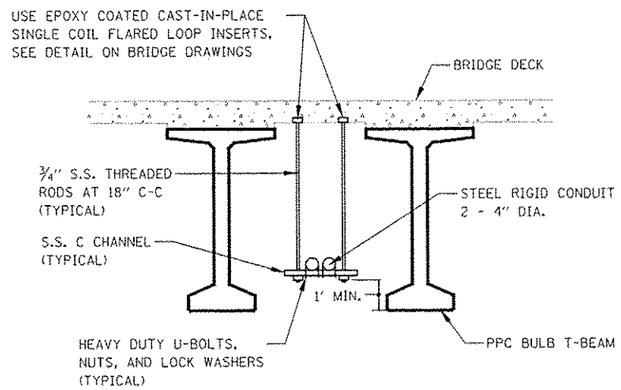
PLAN

NORTH ABUTMENT SHOWN
SOUTH ABUTMENT OPPOSITE HAND

N

NOTES

1. CONDUIT EXPANSION / DEFLECTION FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 811.03 OF THE STANDARD SPECIFICATIONS.
2. CENTER JUNCTION BOX BETWEEN BRIDGE PPC BULB T-BEAMS.



TYPICAL CONDUIT SUPPORT ATTACHED TO BRIDGE DECK DETAIL

NOT TO SCALE

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		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNALS CONDUIT ATTACHMENT TO STRUCTURE DETAIL

SCALE: NONE | SHEET NO. 41 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	456
	TS-40	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

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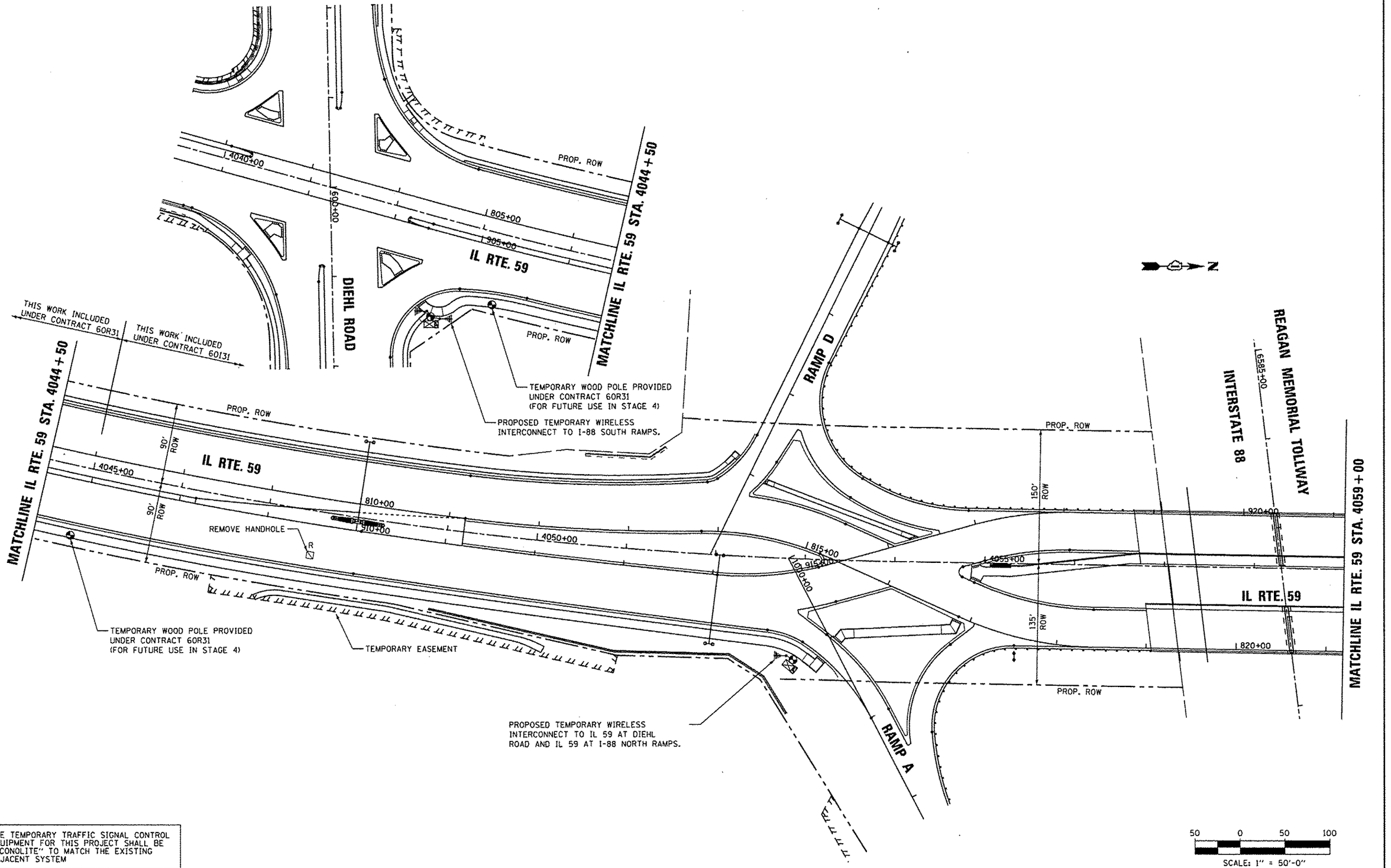
www.RWAengineers.com



THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

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		DRAWN - JDH	REVISED -
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	PLOT DATE = 10/11/2012	DATE - 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN IL ROUTE 59
FROM DIEHL ROAD TO FERRY ROAD (PRESTAGE TO STAGE 3C)

SCALE: 1"=50' | SHEET NO. 42 OF 53 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	457
	TS-41	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

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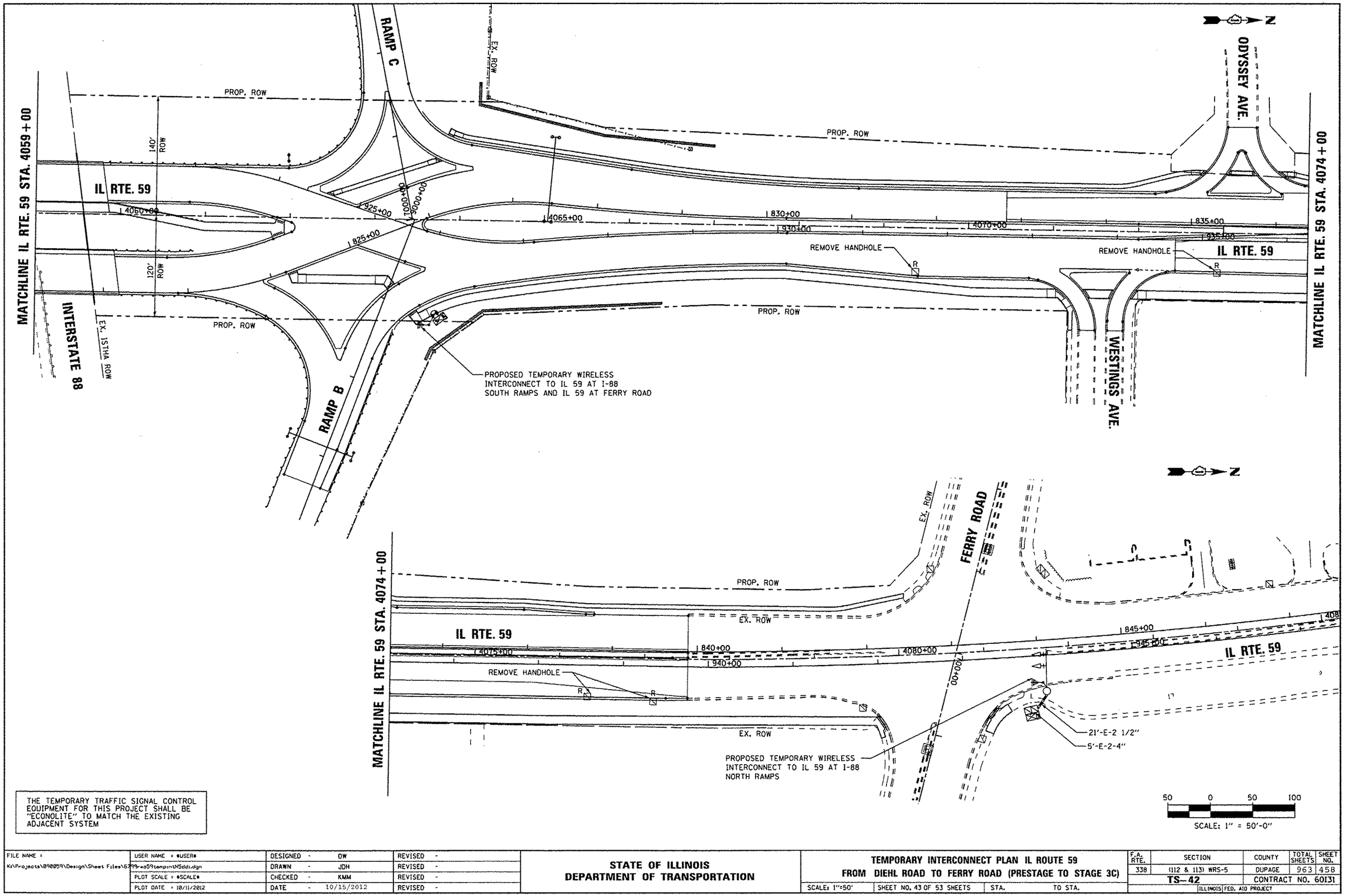

THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

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		DRAWN - JDH	REVISED -
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	PLOT DATE = 10/11/2012	DATE - 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN IL ROUTE 59
FROM DIEHL ROAD TO FERRY ROAD (PRESTAGE TO STAGE 3C)

SCALE: 1"=50' | SHEET NO. 43 OF 53 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	458
	TS-42	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

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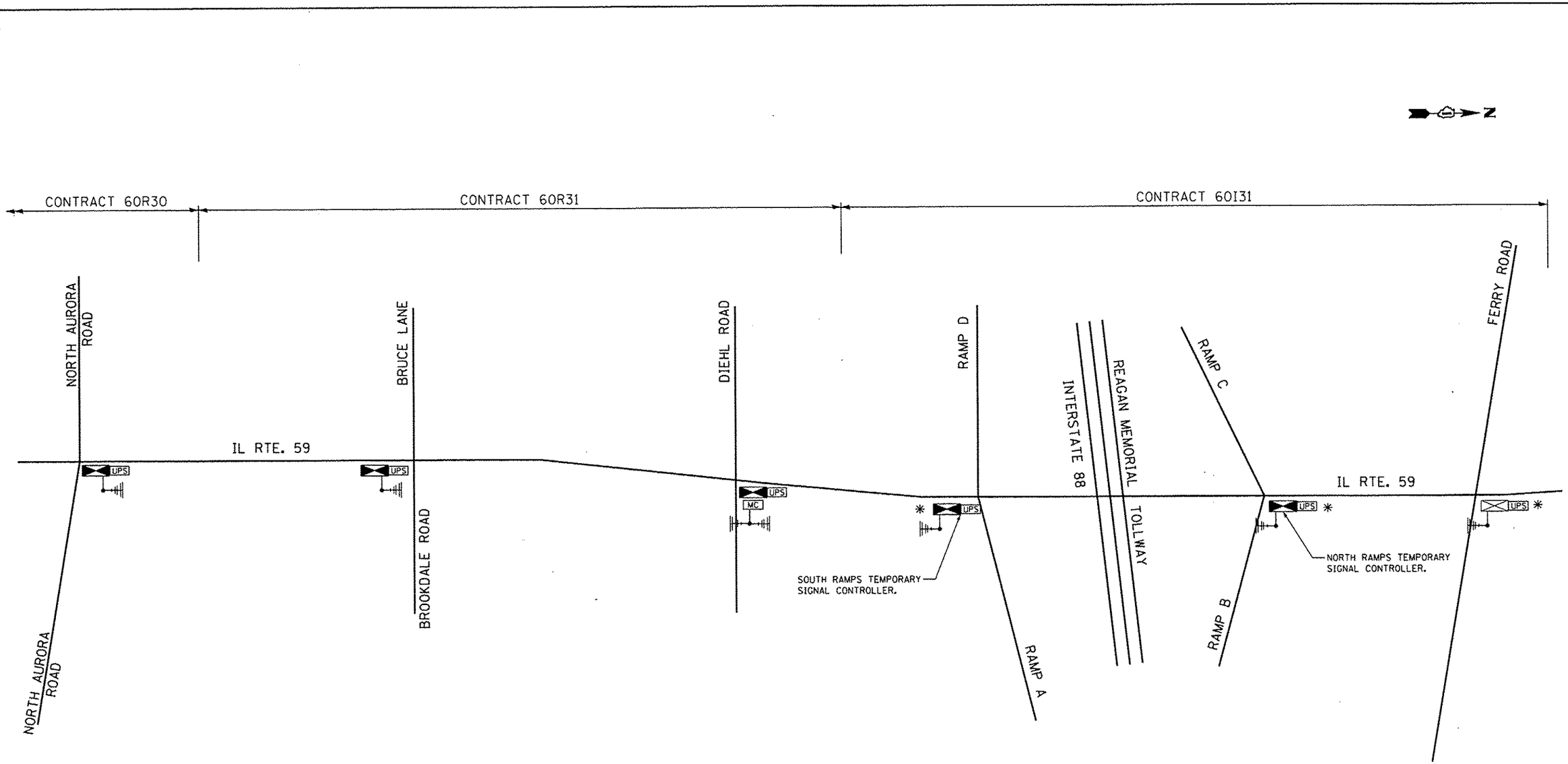

TEMPORARY INTERCONNECT
FOR MOT STAGES (PRESTAGE -STAGE 3C)

* THIS LOCATION IS PART OF THE SPECIFIED CONTRACT WITHIN THE SHOWN INTERCONNECT SYSTEM

NOTE:
A FIBER OPTIC CABLE CONNECTION IS REQUIRED BETWEEN DIEHL ROAD AND FERRY ROAD FOR ALL STAGES AFTER 3C. SEE TEMPORARY INTERCONNECT PLAN (STAGE 4 TO STAGE 4B).

THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

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		DRAWN - JDH	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - KMM	REVISED -
	PLOT DATE = 10/11/2012	DATE - 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC
IL RTE 59–NORTH AURORA RD TO FERRY RD (PRESTAGE – STAGE 3C)
SCALE: NONE | SHEET NO. 44 OF 53 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	459
	TS–43	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			

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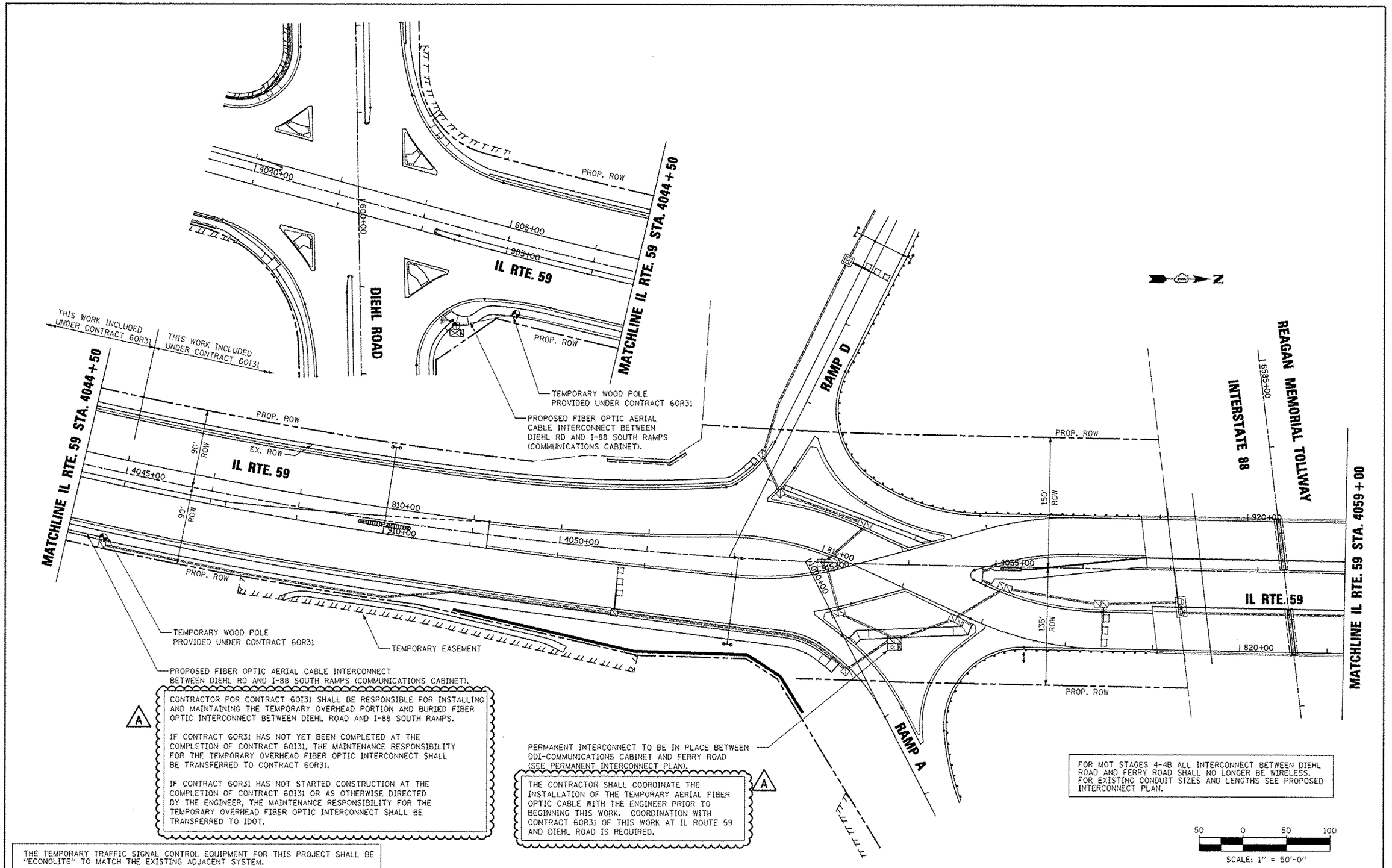

A

CONTRACTOR FOR CONTRACT 60I31 SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE TEMPORARY OVERHEAD PORTION AND BURIED FIBER OPTIC INTERCONNECT BETWEEN DIEHL ROAD AND I-88 SOUTH RAMPS.

IF CONTRACT 60R31 HAS NOT YET BEEN COMPLETED AT THE COMPLETION OF CONTRACT 60I31, THE MAINTENANCE RESPONSIBILITY FOR THE TEMPORARY OVERHEAD FIBER OPTIC INTERCONNECT SHALL BE TRANSFERRED TO CONTRACT 60R31.

IF CONTRACT 60R31 HAS NOT STARTED CONSTRUCTION AT THE COMPLETION OF CONTRACT 60I31 OR AS OTHERWISE DIRECTED BY THE ENGINEER, THE MAINTENANCE RESPONSIBILITY FOR THE TEMPORARY OVERHEAD FIBER OPTIC INTERCONNECT SHALL BE TRANSFERRED TO IDOT.

A

THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE TEMPORARY AERIAL FIBER OPTIC CABLE WITH THE ENGINEER PRIOR TO BEGINNING THIS WORK. COORDINATION WITH CONTRACT 60R31 OF THIS WORK AT IL ROUTE 59 AND DIEHL ROAD IS REQUIRED.

FOR MOT STAGES 4-4B ALL INTERCONNECT BETWEEN DIEHL ROAD AND FERRY ROAD SHALL NO LONGER BE WIRELESS. FOR EXISTING CONDUIT SIZES AND LENGTHS SEE PROPOSED INTERCONNECT PLAN.

THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - DW	REVISED - ADDENDUM A 12/17/2012
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	PLOT SCALE = $SCALE$	CHECKED - KMM	REVISED -
	PLOT DATE = $DATE$	DATE - 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN IL ROUTE 59
FROM DIEHL ROAD TO FERRY ROAD (STAGE 4 TO STAGE 4B)

SCALE: 1"=50' | SHEET NO. 45 OF 53 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	460
	TS-44	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			

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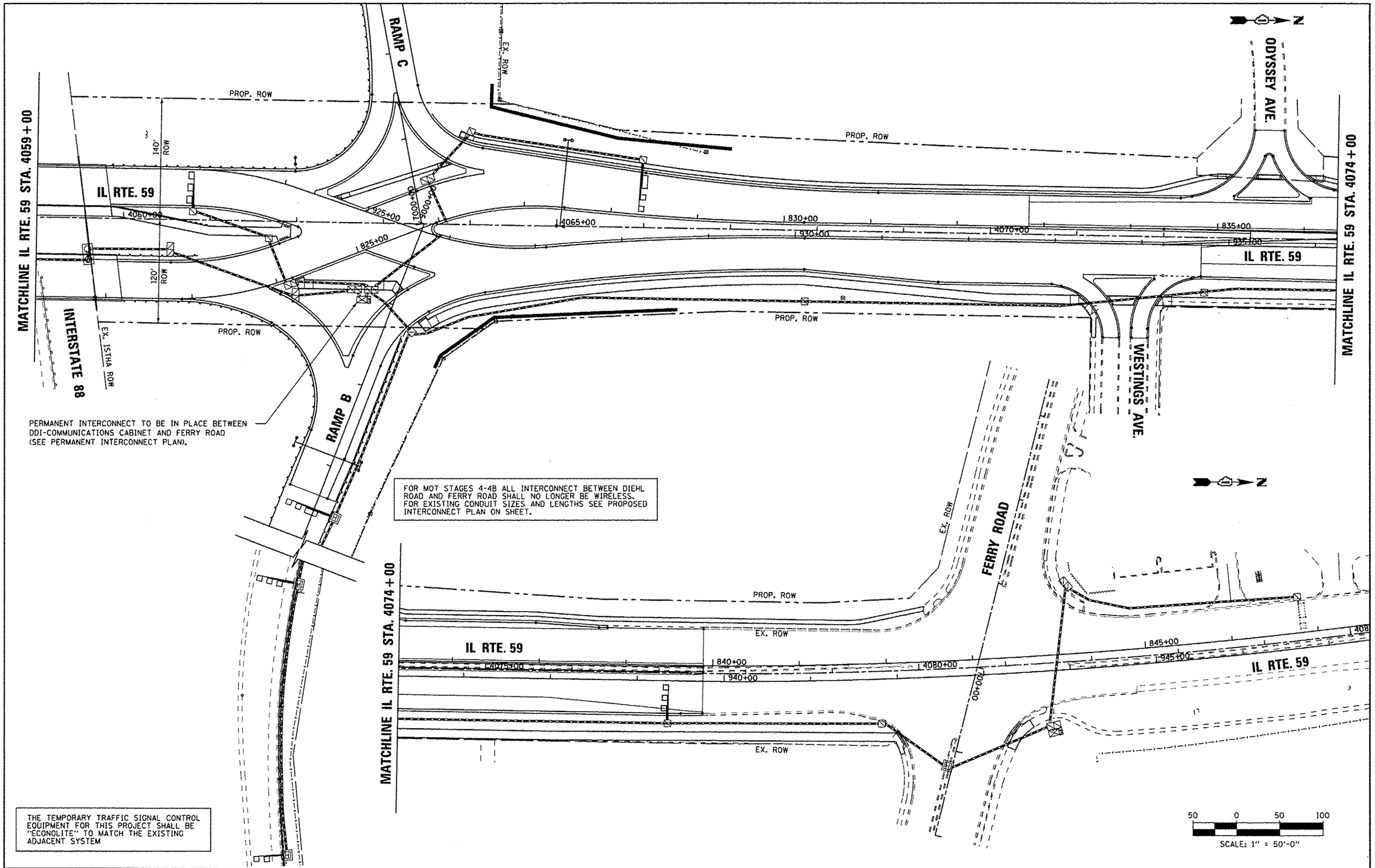

THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

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		DRAWN - JDH	REVISED -
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	PLOT DATE = 10/11/2012	DATE - 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN IL ROUTE 59
FROM DIEHL ROAD TO FERRY ROAD (STAGE 4 TO STAGE 4B)

SCALE: 1"=50' | SHEET NO. 46 OF 53 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	461
	TS-45	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

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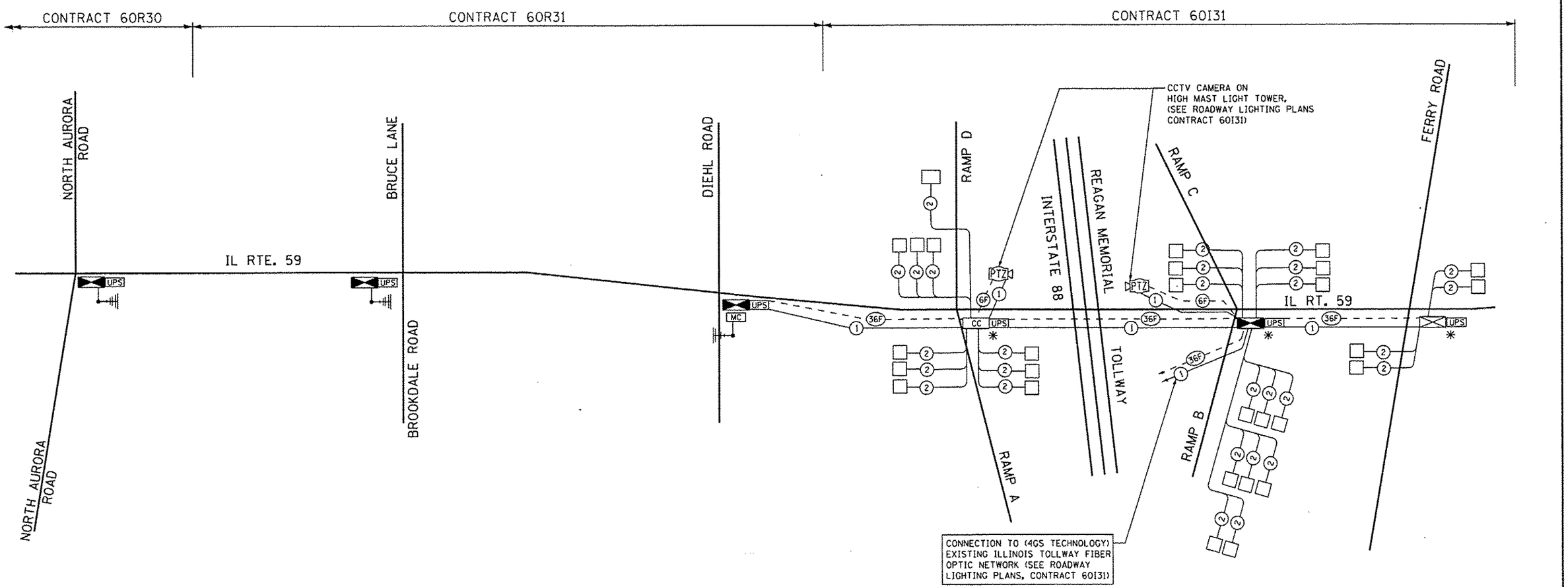

TEMPORARY INTERCONNECT
FOR MOT STAGES (STAGE 4 -STAGE 4B)

* THIS LOCATION IS PART OF THE SPECIFIED CONTRACT WITHIN THE SHOWN INTERCONNECT SYSTEM

NOTE:
PERMANENT FIBER OPTIC CABLE SHALL BE IN PLACE BETWEEN THE DDI-COMMUNICATIONS CABINET AND FERRY ROAD, AND A TEMPORARY FIBER OPTIC CONNECTION SHALL BE IN PLACE IS BETWEEN THE DDI-COMMUNICATIONS CABINET AND DIEHL ROAD FOR ALL STAGES AFTER 3C.

THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

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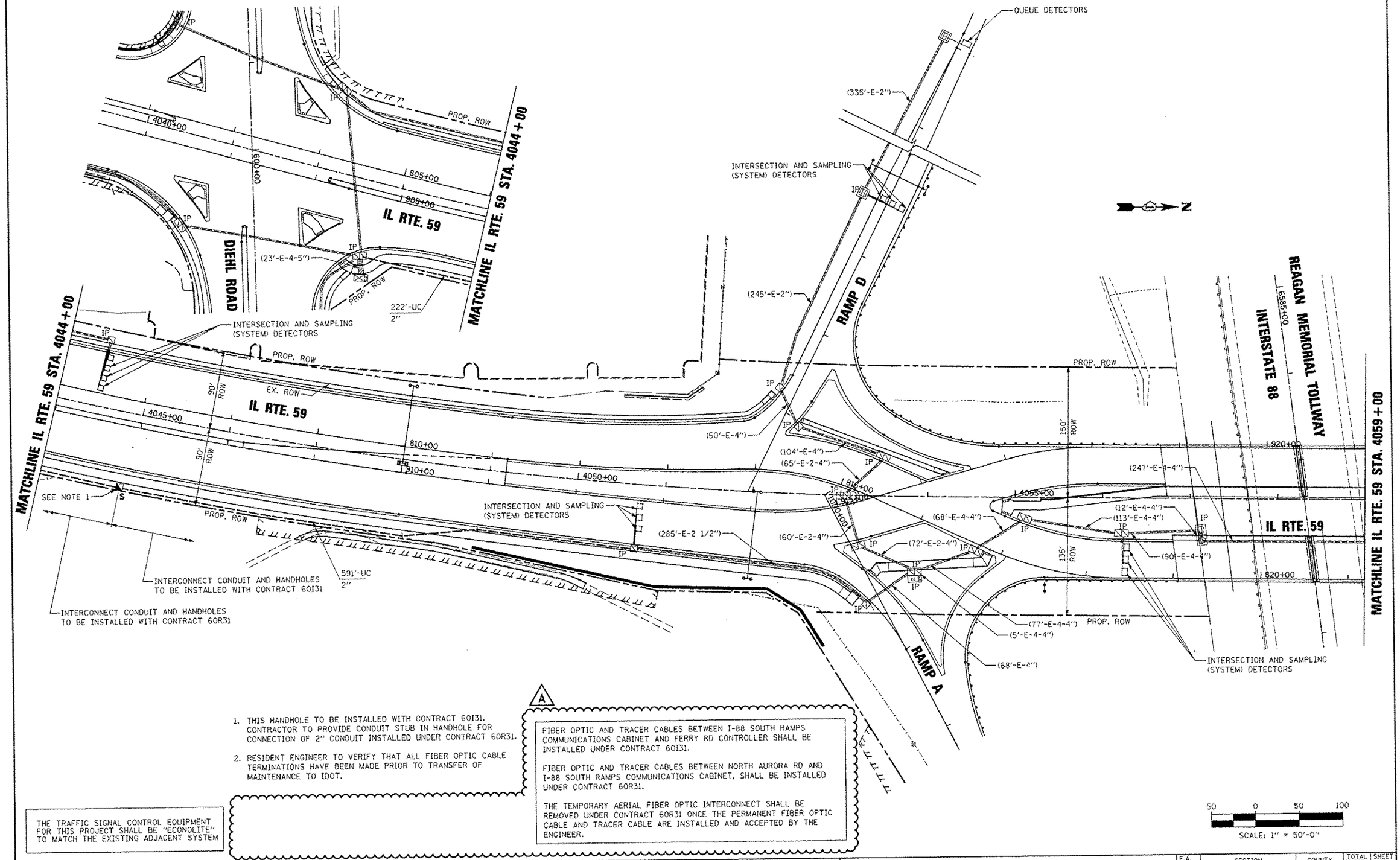
		DRAWN - JDH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - KMM	REVISED -
	PLOT DATE = 10/11/2012	DATE - 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC
IL RTE 59-NORTH AURORA RD TO FERRY ROAD (STAGE 4 TO STAGE 4B)

SCALE: NONE | SHEET NO. 47 OF 53 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	462
	TS-46	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



1. THIS HANDHOLE TO BE INSTALLED WITH CONTRACT 60I31. CONTRACTOR TO PROVIDE CONDUIT STUB IN HANDHOLE FOR CONNECTION OF 2" CONDUIT INSTALLED UNDER CONTRACT 60R31.
2. RESIDENT ENGINEER TO VERIFY THAT ALL FIBER OPTIC CABLE TERMINATIONS HAVE BEEN MADE PRIOR TO TRANSFER OF MAINTENANCE TO IDOT.

A

FIBER OPTIC AND TRACER CABLES BETWEEN I-88 SOUTH RAMPS COMMUNICATIONS CABINET AND FERRY RD CONTROLLER SHALL BE INSTALLED UNDER CONTRACT 60I31.

FIBER OPTIC AND TRACER CABLES BETWEEN NORTH AURORA RD AND I-88 SOUTH RAMPS COMMUNICATIONS CABINET, SHALL BE INSTALLED UNDER CONTRACT 60R31.

THE TEMPORARY AERIAL FIBER OPTIC INTERCONNECT SHALL BE REMOVED UNDER CONTRACT 60R31 ONCE THE PERMANENT FIBER OPTIC CABLE AND TRACER CABLE ARE INSTALLED AND ACCEPTED BY THE ENGINEER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

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		DRAWN - JDH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - KMM	REVISED -
	PLOT DATE = $DATE$	DATE - 10/15/2012	REVISED -

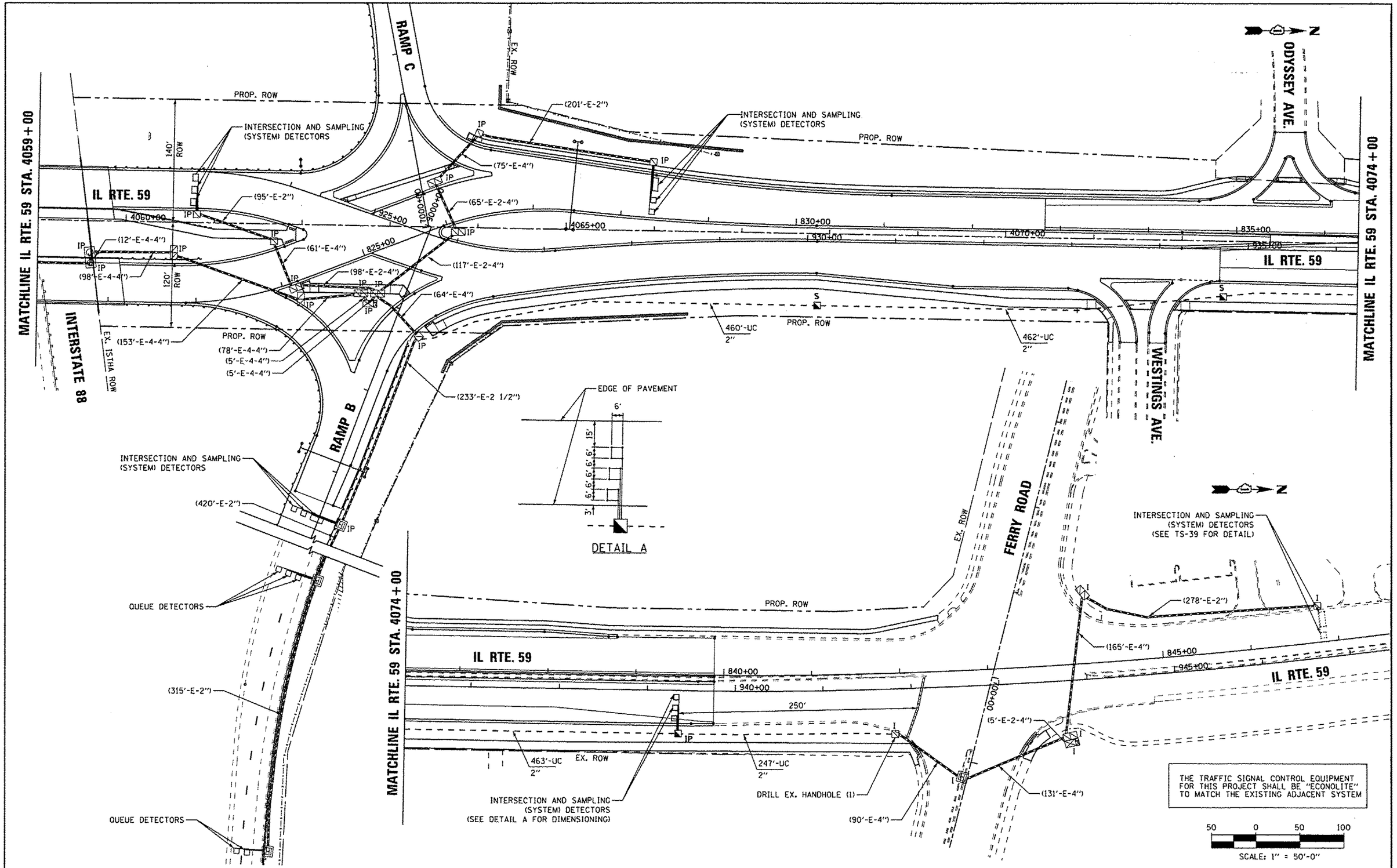
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN IL ROUTE 59
FROM DIEHL ROAD TO FERRY ROAD

SCALE: 1"=50' | SHEET NO. 48 OF 53 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	(112 & 113) WRS-5	DUPAGE	963	463
	TS-47	CONTRACT NO. 60I31		
		ILLINOIS FED. AID PROJECT		

CIVIL ENGINEERING CONSULTANTS
RWA
8619 W. Bryn Mawr Ave., Suite 602
Chicago, IL 60631-3551
773-283-2600 Fax 773-283-2602
www.RWAengineers.com
Regina Webster & Associates, Inc



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		DRAWN - JDH	REVISED -
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	PLOT DATE = 10/11/2012	DATE - 10/15/2012	REVISED -

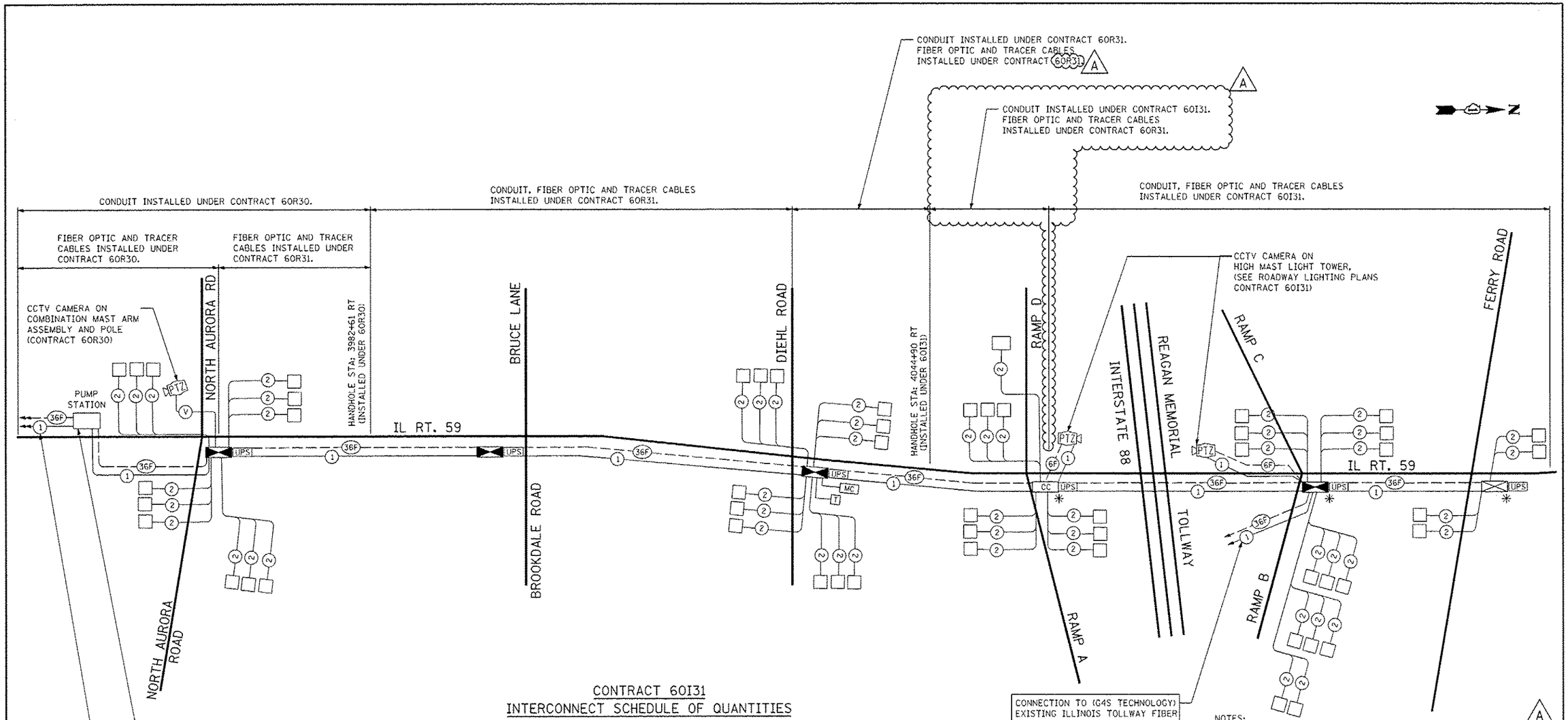
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN IL ROUTE 59
FROM DIEHL ROAD TO FERRY ROAD

SCALE: 1"=50' | SHEET NO. 49 OF 53 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	464
	TS-48	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

CIVIL ENGINEERING CONSULTANTS
RWA
Regina Webster & Associates, Inc.
8619 W. Bryn Mawr Ave., Suite 602
Chicago, IL 60631-3551
773-283-2600 Fax 773-283-2602
www.RWAengineers.com



SEE PUMP STATION FIBER CABLE TERMINATION DETAIL, (CONTRACT 60R30)

FIBER OPTIC CABLE AND TRACER CABLE TO IL ROUTE 59 AT GLACIER PARK AVE/MERIDIAN PARKWAY (SEE NOTE 6)

CONNECTION TO (G4S TECHNOLOGY) EXISTING ILLINOIS TOLLWAY FIBER OPTIC NETWORK (SEE ROADWAY LIGHTING PLANS, CONTRACT 60I31)

CONTRACT 60I31
INTERCONNECT SCHEDULE OF QUANTITIES

	ITEM	UNIT	QUANTITY
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2223
	HANDHOLE	EACH	4
	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4412
	DRILL EXISTING HANDHOLE	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	5
A	OPTIMIZE TRAFFIC SIGNAL SYSTEM, SPECIAL	EACH	1
	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	4412
	FIBER OPTIC CABLE ON MESSENGER, NO. 62.5/125, MM12F SM24F	FOOT	1289

* THIS LOCATION IS PART OF THE SPECIFIED CONTRACT WITHIN THE SHOWN INTERCONNECT SYSTEM

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

NOTES:

1. ALL FIBER OPTIC AND TRACER CABLE BETWEEN NORTH AURORA RD. AND I-88 SOUTH RAMPS COMMUNICATIONS CABINET SHALL BE INSTALLED UNDER CONTRACT 60R31. ALL FIBER OPTIC AND TRACER CABLE BETWEEN I-88 SOUTH RAMPS COMMUNICATIONS CABINET AND FERRY RD. SHALL BE INSTALLED UNDER CONTRACT 60I31. (A)
2. ALL CONDUIT AND HANDHOLES SOUTH OF IL RTE 59 STA. 3982+61, INCLUDING HANDHOLE AT STA. 3982+61, SHALL BE INSTALLED UNDER CONTRACT 60R30.
3. ALL CONDUIT AND HANDHOLES NORTH OF STA. 4044+90, INCLUDING HANDHOLE AT STA. 4044+90, SHALL BE INSTALLED UNDER CONTRACT 60I31.
4. ALL CONDUIT AND HANDHOLES BETWEEN STA. 3982+61 AND 4044+90 SHALL BE INSTALLED UNDER CONTRACT 60R31.
5. RESIDENT ENGINEER TO VERIFY THAT ALL FIBER OPTIC CABLE TERMINATIONS HAVE BEEN MADE PRIOR TO TRANSFER OF MAINTENANCE TO IDOT.
6. ECONOLITE SYSTEM #106 AND ECONOLITE SYSTEM #25 SHALL NOT BE MERGED AND WILL FUNCTION AS COMPLETELY INDEPENDENT SYSTEMS.

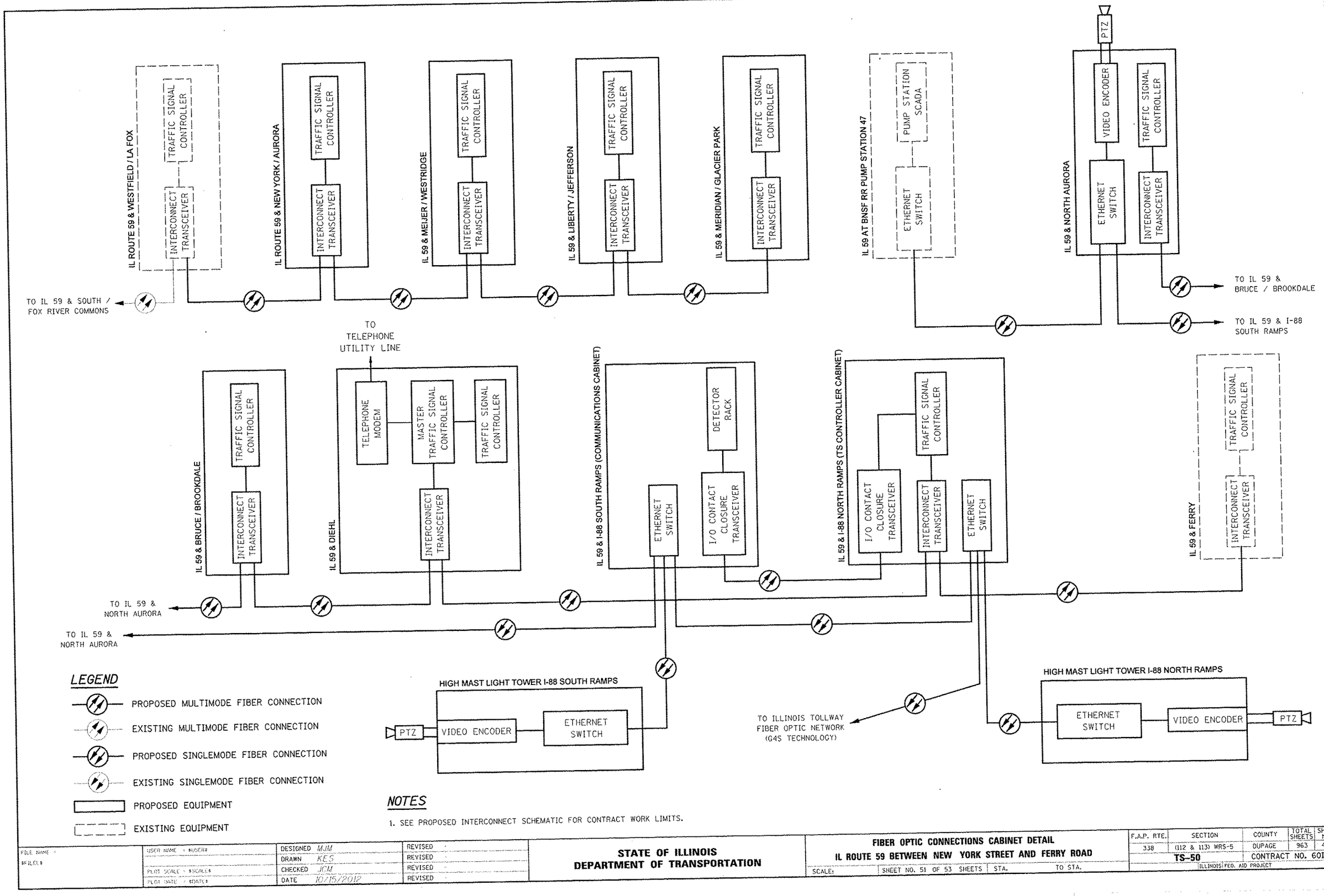
FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - DW	REVISED - ADDENDUM A 12/17/2012
		DRAWN - JDH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - KMM	REVISED -
	PLOT DATE = $DATE$	DATE - 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATIC
IL ROUTE 59–NORTH AURORA ROAD TO FERRY ROAD

SCALE: NONE | SHEET NO. 50 OF 53 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	465
	TS-49	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



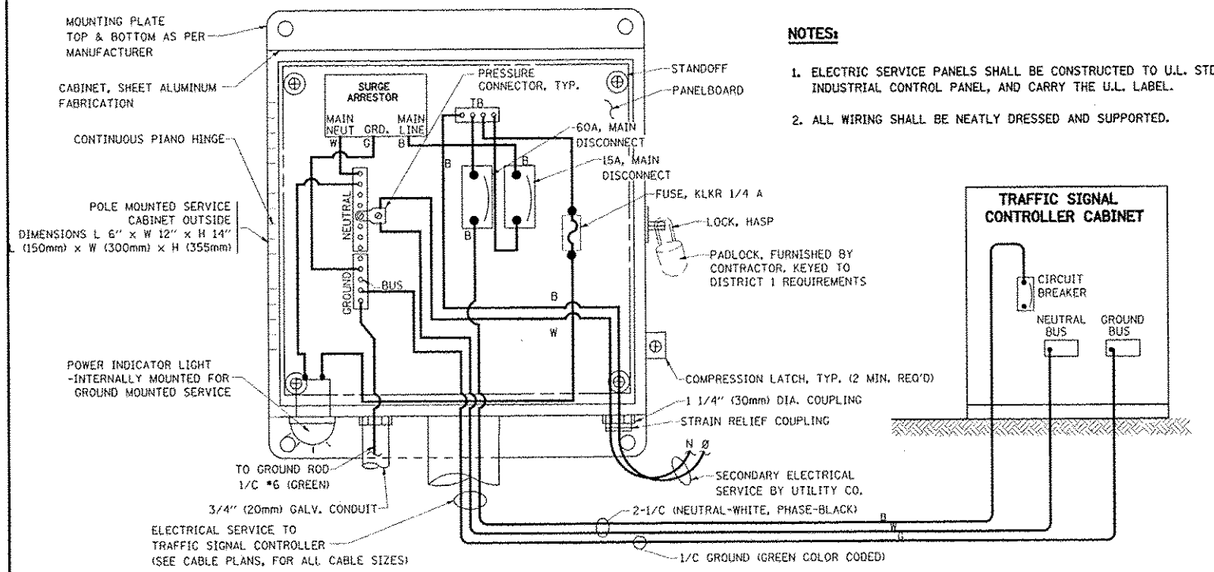
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC CONNECTIONS CABINET DETAIL
IL ROUTE 59 BETWEEN NEW YORK STREET AND FERRY ROAD

SCALE: | SHEET NO. 51 OF 53 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	466
	TS-50	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



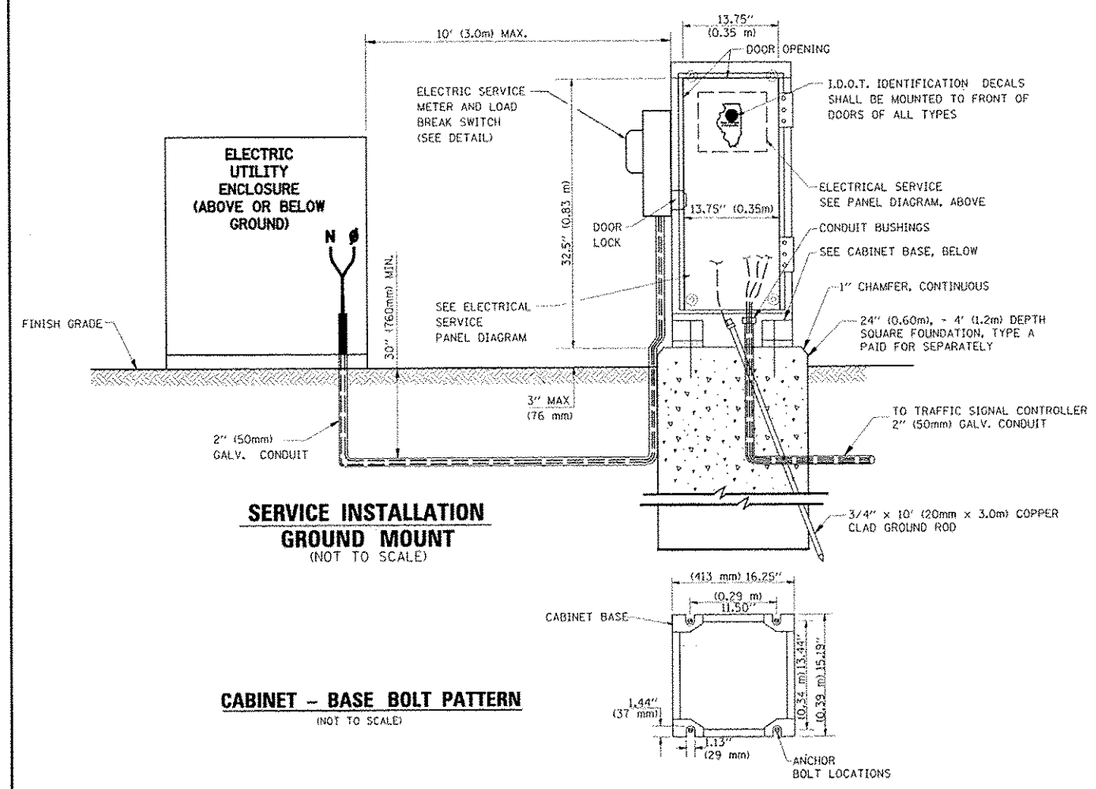
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)

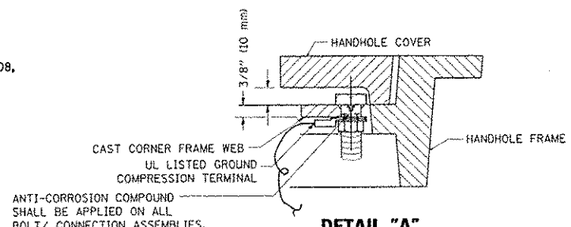


SERVICE INSTALLATION GROUND MOUNT

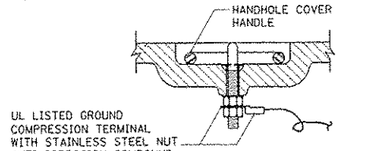
(NOT TO SCALE)

CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



DETAIL "A"

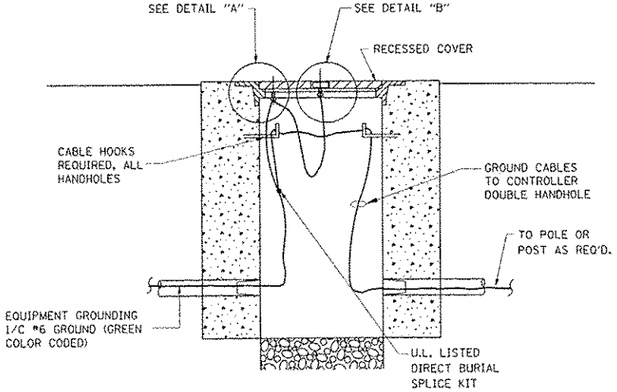


DETAIL "B"

NOTES:

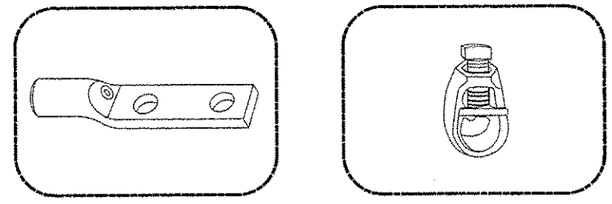
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



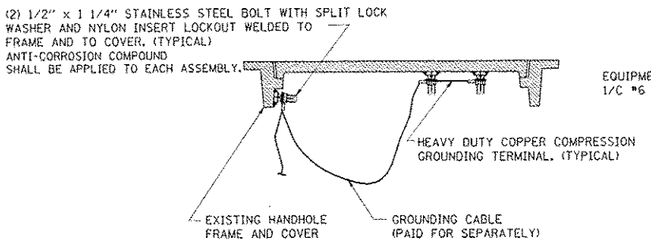
HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



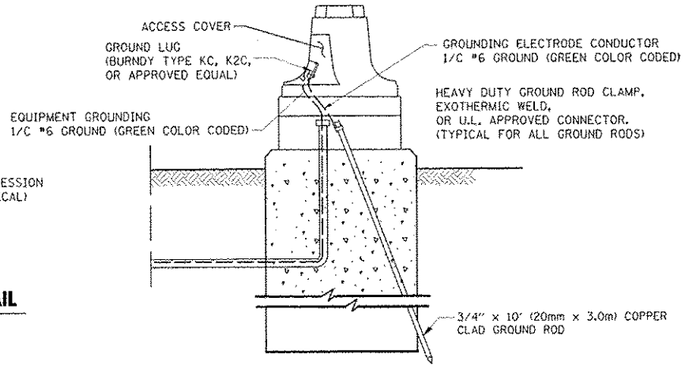
NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

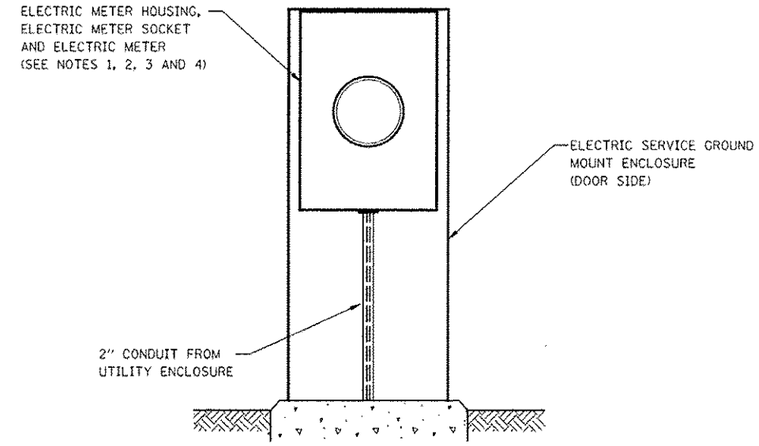
(NOT TO SCALE)



MAST ARM POLE / POST–GROUNDING DETAIL

(NOT TO SCALE)

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	METERED ELECTRIC SERVICE TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN KES	REVISED			338	(112 & 113) WRS-5	DUPAGE	963 / 467
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED		SCALE: NONE / SHEET NO. 52 OF 53 SHEETS / STA. / TO STA.		TS-51	CONTRACT NO. 60131	
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED				ILLINOIS FED. AID PROJECT		



NOTES

1. THE ELECTRIC METER HOUSING AND ELECTRIC METER SOCKET SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR. THE ELECTRIC METER HOUSING AND ELECTRIC METER SOCKET SHALL BE IN ACCORDANCE WITH NAPERVILLE ELECTRIC'S REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH NAPERVILLE ELECTRIC FOR THESE ITEMS.
2. NAPERVILLE ELECTRIC WILL SUPPLY THE ELECTRIC METER TO BE INSTALLED BY THE CONTRACTOR.
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE SUPPORTS AND ATTACHMENT PLANS FOR APPROVAL BY THE ENGINEER. THE ELECTRIC METER HOUSING SHALL BE INSTALLED FLUSH WITH THE TOP OF THE ELECTRIC SERVICE GROUND MOUNT CABINET.
4. ALL WORK SHOWN IN THIS DETAIL SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR SERVICE INSTALLATION - GROUND MOUNTED.

A

A

ELECTRICAL SERVICE METER AND LOAD BREAK SWITCH DETAIL

TRAFFIC SIGNALS SERVICE

(NOT TO SCALE)

FILE NAME = ♦FILE♦	USER NAME = ♦USER♦	DESIGNED PJO	REVISED - ADDENDUM A 12/17/2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	METERED ELECTRIC SERVICE AND LOAD BREAK SWITCH DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN KES	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	468
	PLOT SCALE = ♦SCALE♦	CHECKED JCM	REVISED -				TS-52		CONTRACT NO. 60I31	
	PLOT DATE = ♦DATE♦	DATE 10/15/2012	REVISED -		SCALE: NONE / SHEET NO. 53 OF 53 SHEETS / STA. / TO STA.			ILLINOIS	FED. AID PROJECT	

CONSTRUCTION NOTES

1. ALL EXISTING MAST ARM MOUNTED SIGNAL HEADS SHALL BE REMOVED FROM THE MAST ARMS AND SHALL REMAIN PROPERTY OF THE DUPAGE COUNTY DIVISION OF TRANSPORTATION. THE CONTRACTOR SHALL SAFELY STORE THE EQUIPMENT AND SHALL REINSTALL THE EQUIPMENT UPON REMOVAL OF THE TEMPORARY TRAFFIC SIGNAL OR WHEN OTHERWISE DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

2. ALL EXISTING TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNALS AND PEDESTRIAN PUSH-BUTTONS SHALL BE BAGGED AND DEACTIVATED WHILE THE TEMPORARY TRAFFIC SIGNAL INSTALLATION IS OPERATIONS.

3. TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL BE OPERATIONAL FOR ALL MAINTENANCE OF TRAFFIC STAGES ALONG IL ROUTE 59 AND FOR THE ENTIRE DURATION OF CONTRACT 60I31.

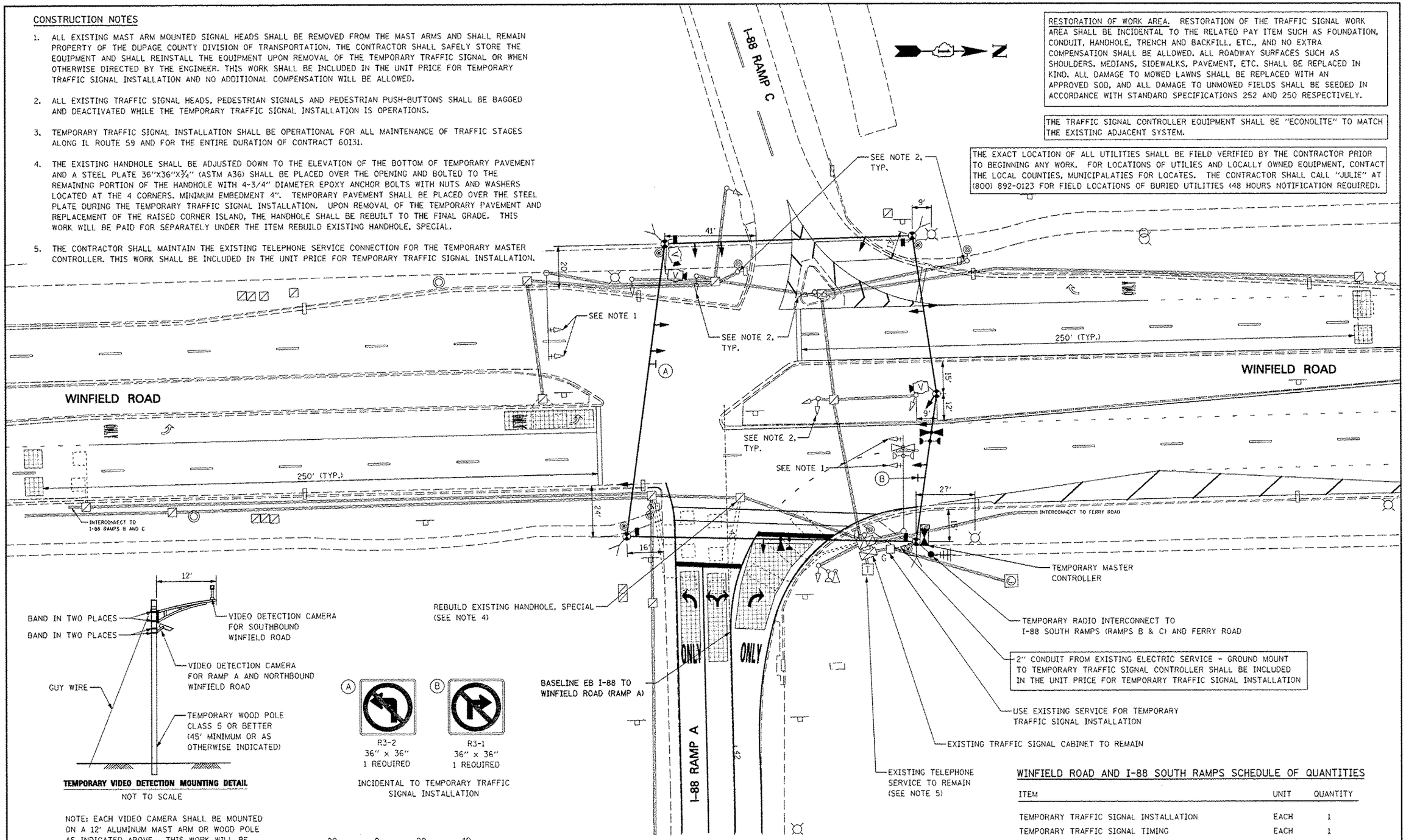
4. THE EXISTING HANDHOLE SHALL BE ADJUSTED DOWN TO THE ELEVATION OF THE BOTTOM OF TEMPORARY PAVEMENT AND A STEEL PLATE 36"X36"X¾" (ASTM A36) SHALL BE PLACED OVER THE OPENING AND BOLTED TO THE REMAINING PORTION OF THE HANDHOLE WITH 4-3/4" DIAMETER EPOXY ANCHOR BOLTS WITH NUTS AND WASHERS LOCATED AT THE 4 CORNERS. MINIMUM EMBEDMENT 4". TEMPORARY PAVEMENT SHALL BE PLACED OVER THE STEEL PLATE DURING THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. UPON REMOVAL OF THE TEMPORARY PAVEMENT AND REPLACEMENT OF THE RAISED CORNER ISLAND, THE HANDHOLE SHALL BE REBUILT TO THE FINAL GRADE. THIS WORK WILL BE PAID FOR SEPARATELY UNDER THE ITEM REBUILD EXISTING HANDHOLE, SPECIAL.

5. THE CONTRACTOR SHALL MAINTAIN THE EXISTING TELEPHONE SERVICE CONNECTION FOR THE TEMPORARY MASTER CONTROLLER. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY WORK. FOR LOCATIONS OF UTILIES AND LOCALLY OWNED EQUIPMENT, CONTACT THE LOCAL COUNTIES, MUNICIPALATIES FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).

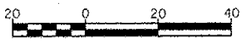


TEMPORARY VIDEO DETECTION MOUNTING DETAIL

NOT TO SCALE

NOTE: EACH VIDEO CAMERA SHALL BE MOUNTED ON A 12' ALUMINUM MAST ARM OR WOOD POLE AS INDICATED ABOVE. THIS WORK WILL BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



WINFIELD ROAD AND I-88 SOUTH RAMPS SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
REBUILD EXISTING HANDHOLE, SPECIAL	EACH	1

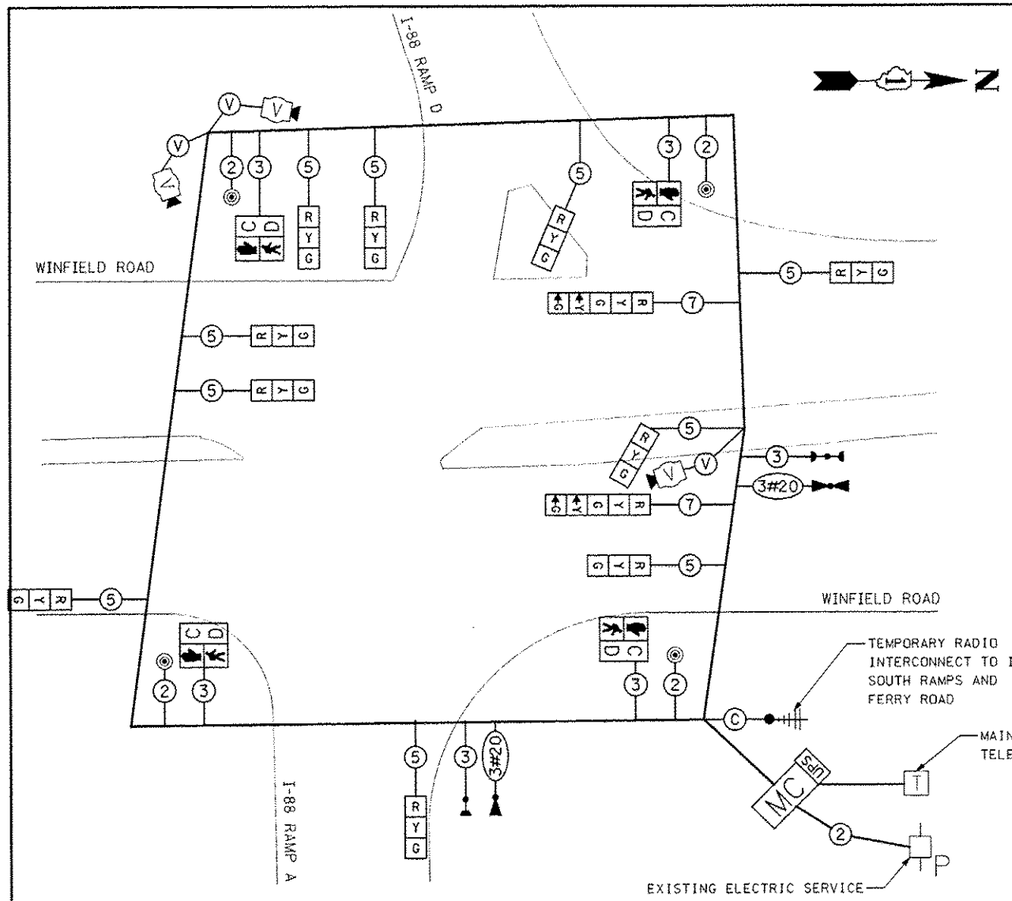
TEMPORARY TRAFFIC SIGNALS - ALL STAGES

SEE TEMPORARY CABLE PLAN FOR TEMPORARY TRAFFIC SIGNAL GENERAL NOTES

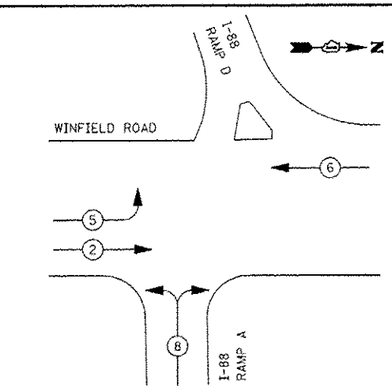
TEMPORARY TRAFFIC SIGNAL TO BE OPERATIONAL FOR THE ENTIRE DURATION OF CONTRACT 60I31

A

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED - ADDENDUM A 12/17/2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION AND EXISTING SIGNAL EQUIPMENT PLAN WINFIELD ROAD AND I-88 NORTH RAMPS (RAMPS A & D)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN KES	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	468A
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -				TS-52A	CONTRACT NO. 60I31		
	PLOT DATE = $DATE$	DATE 12/17/2012	REVISED -		SCALE: AS SHOWN SHEET NO. 53A OF 53 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		



TEMPORARY SIGNAL CABLE PLAN
ALL STAGES

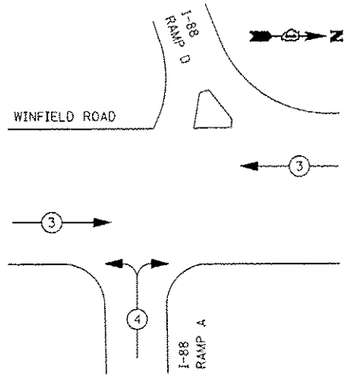


LEGEND

DUAL ENTRY PHASE

* NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM
ALL STAGES



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS		WATTAGE			TOTAL WATTAGE
TYPE	NO. OF LAMPS ×	INCAND.	LED ×	% OPERATION	
SIGNAL (RED)	12		17	0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	12		15	0.25	45
ARROW	4		12	0.25	12
PED. SIGNAL	4		25	1.00	100
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
FLASHER				0.50	—
ENERGY COSTS TO:				TOTAL =	584

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMED

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	← ↰

EMERGENCY VEHICLE PREEMPTION SEQUENCE
ALL STAGES

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.

2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.

3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.

4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.

5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.

6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, AND IF NO STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.

8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY REPSONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.

9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.

10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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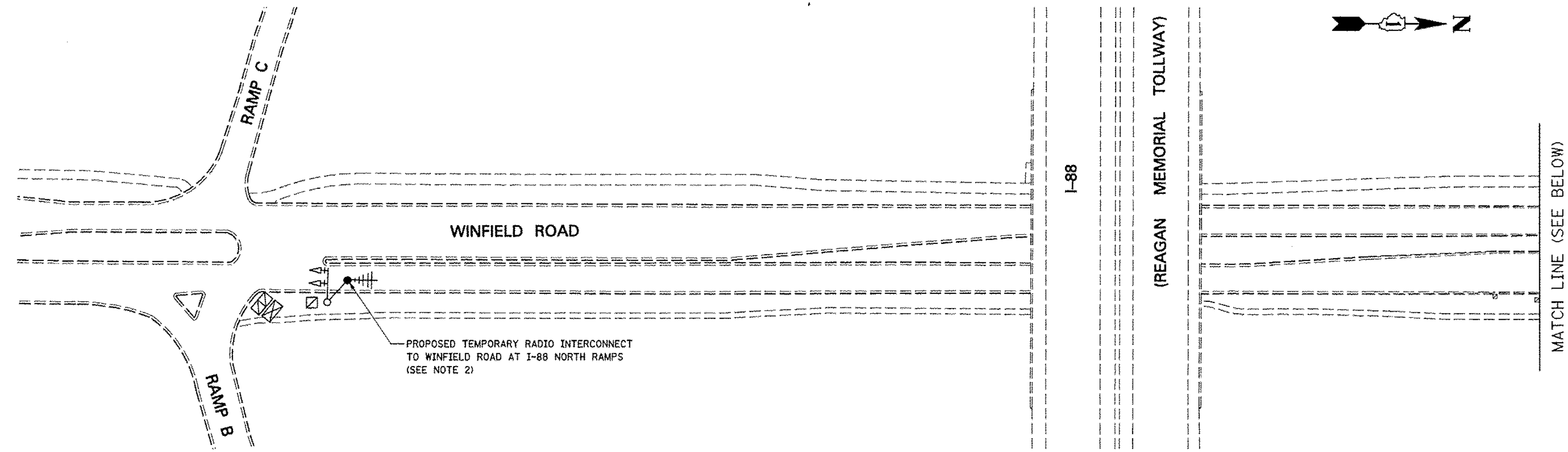
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED MJM	REVISED - ADDENDUM A 12/17/2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE WINFIELD ROAD AND I-88 NORTH RAMPS (RAMPS A & D)
		DRAWN KES	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -		SCALE: NTS | SHEET NO. 53B OF 53 SHEETS | STA. | TO STA.
	PLOT DATE = $DATE$	DATE 12/17/2012	REVISED -		

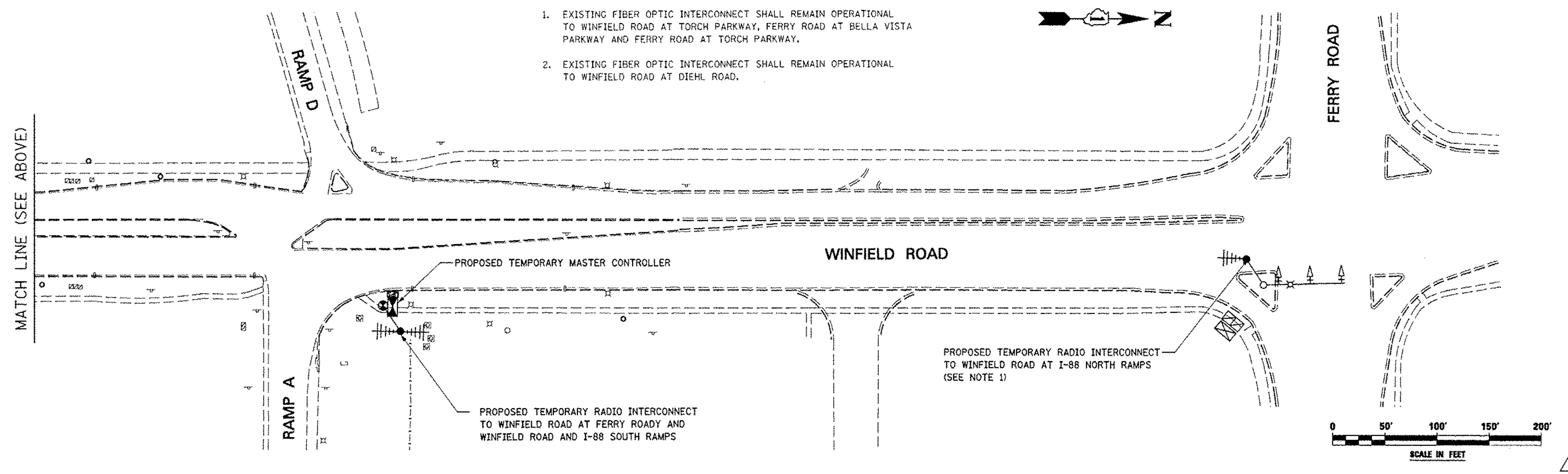
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	468B
TS-52B		CONTRACT NO. 60131		
ILLINOIS	FED. AID PROJECT			



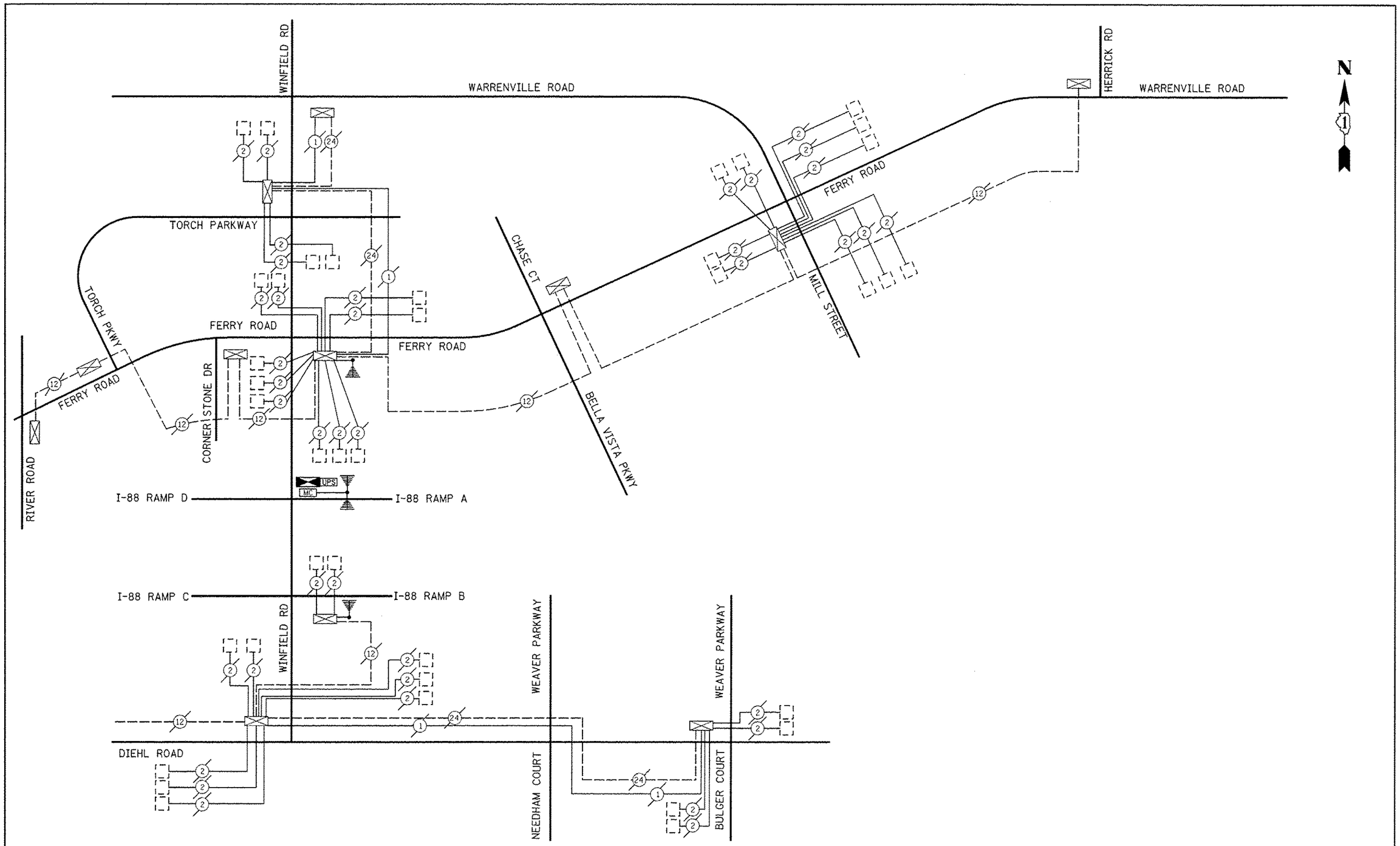
NOTES

1. EXISTING FIBER OPTIC INTERCONNECT SHALL REMAIN OPERATIONAL TO WINFIELD ROAD AT TORCH PARKWAY, FERRY ROAD AT BELLA VISTA PARKWAY AND FERRY ROAD AT TORCH PARKWAY.

2. EXISTING FIBER OPTIC INTERCONNECT SHALL REMAIN OPERATIONAL TO WINFIELD ROAD AT DIEHL ROAD.



FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED PJO	REVISED - ADDENDUM A 12/17/2012	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TEMPORARY INTERCONNECT PLAN WINFIELD ROAD FROM I-88 SOUTH RAMPS TO FERRY ROAD**	F.A.P. RTE. 338 / SECTION (112 & 113) WRS-5 / COUNTY DUPAGE / TOTAL SHEETS 963 / SHEET NO. 468C
		DRAWN KES	REVISED -			TS-52C
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -		SCALE: 1" = 50' / SHEET NO. 53C OF 53 SHEETS / STA. / TO STA.	CONTRACT NO. 60I31
	PLOT DATE = $DATE$	DATE 12/17/2012	REVISED -			ILLINOIS FED. AID PROJECT



FILE NAME = #FILE1#	USER NAME = #USER#	DESIGNED PJO	REVISED - ADDENDUM A 12/17/2012	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TEMPORARY INTERCONNECT SCHEMATIC WINFIELD ROAD – DIEHL ROAD TO WARRENVILLE ROAD**
		DRAWN KES	REVISED -		
	PLOT SCALE = #SCALE#	CHECKED JCM	REVISED -		SCALE: NTS | SHEET NO. 53D OF 53 SHEETS | STA. | TO STA.
	PLOT DATE = #DATE#	DATE 12/17/2012	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	663	4680
TS-52D		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

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DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	IL 59 AND LA FOX DRIVE / WESTFIELD SHOPPINGTOWN ENTRANCE		
DISTRIBUTION CABLE DESIGNATION	DCF-			DESTINATION	IL 59 AND FERRY ROAD		
BUFFER TUBE	FIBER	FIBER NO	ASSIGNMENT	BUFFER TUBE	FIBER NO	FIBER NO	ASSIGNMENT
BLUE	Blue 1	1		SLATE	Blue 1	49	
	Orange 2	2			Orange 2	50	
	Green 3	3			Green 3	51	
	Brown 4	4			Brown 4	52	
	Slate 5	5			Slate 5	53	
	White 6	6			White 6	54	
	Red 7	7			Red 7	55	
	Black 8	8			Black 8	56	
	Yellow 9	9			Yellow 9	57	
	Violet 10	10			Violet 10	58	
	Rose 11	11			Rose 11	59	
	Aqua 12	12			Aqua 12	60	
ORANGE	Blue 1	13		WHITE	Blue 1	61	
	Orange 2	14			Orange 2	62	
	Green 3	15			Green 3	63	
	Brown 4	16			Brown 4	64	
	Slate 5	17			Slate 5	65	
	White 6	18			White 6	66	
	Red 7	19			Red 7	67	
	Black 8	20			Black 8	68	
	Yellow 9	21			Yellow 9	69	
	Violet 10	22			Violet 10	70	
	Rose 11	23			Rose 11	71	
	Aqua 12	24			Aqua 12	72	
GREEN	Blue 1	25		RED	Blue 1	73	
	Orange 2	26			Orange 2	74	
	Green 3	27			Green 3	75	
	Brown 4	28			Brown 4	76	
	Slate 5	29			Slate 5	77	
	White 6	30			White 6	78	
	Red 7	31			Red 7	79	
	Black 8	32			Black 8	80	
	Yellow 9	33			Yellow 9	81	
	Violet 10	34			Violet 10	82	
	Rose 11	35			Rose 11	83	
	Aqua 12	36			Aqua 12	84	
BROWN	Blue 1	37		BLACK	Blue 1	85	
	Orange 2	38			Orange 2	86	
	Green 3	39			Green 3	87	
	Brown 4	40			Brown 4	88	
	Slate 5	41			Slate 5	89	
	White 6	42			White 6	90	
	Red 7	43			Red 7	91	
	Black 8	44			Black 8	92	
	Yellow 9	45			Yellow 9	93	
	Violet 10	46			Violet 10	94	
	Rose 11	47			Rose 11	95	
	Aqua 12	48			Aqua 12	96	

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRIBUTION CABLE FIBER ASSIGNMENTS
IL ROUTE 59 (LA FOX TO FERRY)

SCALE: NONE | SHEET NO. 1 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	469
	BE-2110	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	IL 59 AND I-88 NORTH RAMPS DDI SIGNAL CONTROLLER CABINET		
DISTRIBUTION CABLE DESIGNATION	DCF-			DESTINATION	COMMUNICATIONS VAULT (4GS TECHNOLOGY) ILLINOIS TOLLWAY FIBER		
BUFFER TUBE	FIBER	FIBER NO	ASSIGNMENT	BUFFER TUBE	FIBER NO	FIBER NO	ASSIGNMENT
BLUE	Blue 1	1		SLATE	Blue 1	49	
	Orange 2	2			Orange 2	50	
	Green 3	3			Green 3	51	
	Brown 4	4			Brown 4	52	
	Slate 5	5			Slate 5	53	
	White 6	6			White 6	54	
	Red 7	7			Red 7	55	
	Black 8	8			Black 8	56	
	Yellow 9	9			Yellow 9	57	
	Violet 10	10			Violet 10	58	
	Rose 11	11			Rose 11	59	
	Aqua 12	12			Aqua 12	60	
ORANGE	Blue 1	13		WHITE	Blue 1	61	
	Orange 2	14			Orange 2	62	
	Green 3	15			Green 3	63	
	Brown 4	16			Brown 4	64	
	Slate 5	17			Slate 5	65	
	White 6	18			White 6	66	
	Red 7	19			Red 7	67	
	Black 8	20			Black 8	68	
	Yellow 9	21			Yellow 9	69	
	Violet 10	22			Violet 10	70	
	Rose 11	23			Rose 11	71	
	Aqua 12	24			Aqua 12	72	
GREEN	Blue 1	25		RED	Blue 1	73	
	Orange 2	26			Orange 2	74	
	Green 3	27			Green 3	75	
	Brown 4	28			Brown 4	76	
	Slate 5	29			Slate 5	77	
	White 6	30			White 6	78	
	Red 7	31			Red 7	79	
	Black 8	32			Black 8	80	
	Yellow 9	33			Yellow 9	81	
	Violet 10	34			Violet 10	82	
	Rose 11	35			Rose 11	83	
	Aqua 12	36			Aqua 12	84	
BROWN	Blue 1	37		BLACK	Blue 1	85	
	Orange 2	38			Orange 2	86	
	Green 3	39			Green 3	87	
	Brown 4	40			Brown 4	88	
	Slate 5	41			Slate 5	89	
	White 6	42			White 6	90	
	Red 7	43			Red 7	91	
	Black 8	44			Black 8	92	
	Yellow 9	45			Yellow 9	93	
	Violet 10	46			Violet 10	94	
	Rose 11	47			Rose 11	95	
	Aqua 12	48			Aqua 12	96	

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRIBUTION CABLE FIBER ASSIGNMENTS IL ROUTE 59 AND I-88 (REAGAN MEMORIAL TOLLWAY)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN KES	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	470
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -				BE-2110	CONTRACT NO. 60131		
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -		SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-	TRAFFIC SIGNAL CABINET: IL 59 AND LA FOX / WESTFIELD ENTRANCE	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-	TRAFFIC SIGNAL CABINET: IL 59 AND MEIJER / WESTRIDGE ENTRANCE	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-	TRAFFIC SIGNAL CABINET: IL 59 AND NEW YORK / AURORA	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-	TRAFFIC SIGNAL CABINET: IL 59 AND LIBERTY / JEFFERSON	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TWELVE FIBER LATERAL CABLE FIBER ASSIGNMENTS
IL ROUTE 59 (LA FOX TO FERRY)

SCALE: NONE | SHEET NO. 3 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	471
	BE-2130	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

LATERAL CABLE FIBER ASSIGNMENTS

LCF- TRAFFIC SIGNAL CABINET: IL 59 AND MERIDIAN / GLACIER PARK

FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS

LCF- PUMP STATION #47 AT BNSF RR

FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS

LCF- TRAFFIC SIGNAL CABINET: IL 59 AND NORTH AURORA (SINGLE-MODE)

FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS

LCF- TRAFFIC SIGNAL CABINET: IL 59 AND NORTH AURORA (MULTI-MODE)

FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

FILE NAME = $FILE$

USER NAME = $USER$

PLOT SCALE = $SCALE$

PLOT DATE = $DATE$

DESIGNED	PJO	REVISED
DRAWN	KES	REVISED
CHECKED	JCM	REVISED
DATE	10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TWELVE FIBER LATERAL CABLE FIBER ASSIGNMENTS
IL ROUTE 59 (LA FOX TO FERRY)

SCALE: NONE | SHEET NO. 4 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	472
	BE-2130	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-	TRAFFIC SIGNAL CABINET: IL 59 AND BRUCE / BROOKDALE	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-	TRAFFIC SIGNAL CABINET: IL 59 AND DIEHL	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-	TRAFFIC SIGNAL COMMUNICATIONS CABINET: IL 59 AND I-88 SOUTH RAMPS (SINGLE-MODE)	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-	TRAFFIC SIGNAL COMMUNICATIONS CABINET: IL 59 AND I-88 SOUTH RAMPS (MULTI-MODE)	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

FILE NAME = $FILE$

USER NAME = $USER$

PLOT SCALE = $SCALE$

PLOT DATE = $DATE$

DESIGNED PJO

DRAWN KES

CHECKED JCM

DATE 10/15/2012

REVISED

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TWELVE FIBER LATERAL CABLE FIBER ASSIGNMENTS
IL ROUTE 59 (LA FOX TO FERRY)

SCALE: NONE | SHEET NO. 5 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	473
	BE-2130	CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-	TRAFFIC SIGNAL DDI CONTROLLER CABINET: IL 59 AND I-88 NORTH RAMPS (SINGLE-MODE)	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-	TRAFFIC SIGNAL CABINET: IL 59 AND FERRY	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-	TRAFFIC SIGNAL DDI CONTROLLER CABINET: IL 59 AND I-88 NORTH RAMPS (MULTI-MODE)	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
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11		
12		

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TWELVE FIBER LATERAL CABLE FIBER ASSIGNMENTS
IL ROUTE 59 (LA FOX TO FERRY)

SCALE: NONE | SHEET NO. 6 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	474
	BE-2130	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-	HIGH MAST LIGHT TOWER CABINET I-88 NORTH RAMPS	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-	HIGH MAST LIGHT TOWER CABINET I-88 SOUTH RAMPS	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIX FIBER LATERAL CABLE FIBER ASSIGNMENTS
IL ROUTE 59 (LA FOX TO FERRY)

SCALE: NONE | SHEET NO. 7 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	475
	BE-2120	CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			

EROSION CONTROL GENERAL NOTES

1. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.

2. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORM WATER AND SHALL FOLLOW IEPA & IDOT CONSTRUCTION MEMORANDUM NO. 02-60.

3. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

4. THE MAINTENANCE AND REPAIR OR REPLACEMENT OF EROSION CONTROL ITEMS, WHEN DIRECTED BY THE ENGINEER, WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED PAY ITEMS.

5. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.

6. INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES.

7. TEMPORARY EROSION CONTROL SEEDING MIXTURE WILL DEPEND ON THE TIME OF YEAR SEED IS TO BE APPLIED AND SHALL BE IN ACCORDANCE WITH ARTICLE 1081.15(G) OF THE STANDARD SPECIFICATION. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITHIN SEVEN (7) DAYS OF TEMPORARY EROSION CONTROL SEEDING.

8. DUST CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 107.36 OF THE STANDARD SPECIFICATIONS.

9. THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: PROTECTED WETLAND - NO INTRUSION. THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY FENCE STAKES AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE.

10. WHENEVER DURING CONSTRUCTION OPERATIONS, LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC., SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THE CONTRACTORS FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIAL CREATED AS A RESULT THERE OF.

11. BROADCASTING OF THE SEED BY MACHINE, HAND METHODS, HYDRAULIC SEEDING OR OTHER METHODS APPROVED BY THE ENGINEER WILL BE ALLOWED FOR TEMPORARY EROSION CONTROL SEEDING.

12. TOPSOIL AND FERTILIZER NUTRIENTS ARE NOT REQUIRED FOR TEMPORARY EROSION CONTROL SEEDING.

13. SEED BED PREPARATION WILL NOT BE REQUIRED FOR TEMPORARY EROSION CONTROL SEEDING IF THE SOIL IS IN A LOOSE CONDITION. LIGHT DISKING SHALL BE DONE IF THE SOIL IS HARD PACKED OR CAKED.

14. ALL PERIMETER EROSION BARRIER AND TEMPORARY FENCE SHALL BE INSTALLED WITHIN THE TEMPORARY EASEMENT, PROPOSED RIGHT-OF-WAY OR EXISTING RIGHT-OF-WAY.

15. TEMPORARY EROSION CONTROL BLANKET SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AFTER TEMPORARY EROSION CONTROL SEEDING HAS BEEN COMPLETED ON ALL AREAS WITH SLOPES OF 1:3 (V:H) OR STEEPER.

16. THE CONSTRUCTION LIMITS WILL BE STAKED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.

17. ALL EXISTING STRUCTURES OR PIPES NOT SHOWN ON EROSION CONTROL PLANS SHALL BE REMOVED (OR PLUGGED UNTIL REMOVAL IS POSSIBLE) DURING THE CONSTRUCTION SO THAT NO SEDIMENT CAN ENTER THE DRAINAGE SYSTEM. THIS SHALL BE CONSIDERED IN THE COST OF THE REMOVAL OF EXISTING STRUCTURES.

18. ANY REQUIRED ADJUSTMENT AND/OR RECONSTRUCTION OF THE PROPOSED STRUCTURE TO FINAL RIM ELEVATION SHALL NOT BE PAID FOR SEPERATELY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED STRUCTURE.

19. ALL TEMPORARY CONNECTIONS FOR TEMPORARY PIPE CULVERTS INTO EXISTING/PROPOSED STRUCTURES/PIPES SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE FOR PIPE CULVERT OF THE CLASS, TYPE, SIZE (TEMPORARY).

20. ALL RIM AND INVERTS FOR TEMPORARY DRAINAGE STRUCTURES ARE ESTIMATES AND NEED TO BE FIELD VERIFIED. NOTIFY THE ENGINEER OF ANY DISCREPENCIES PRIOR TO INSTALLATION. NO EXTRA COMPENSATION WILL BE PROVIDED FOR ANY DISCREPENCIES DETERMINED IN THE FIELD.

21. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND LIVE STREAMS OR WETLANDS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE, AND STABILIZED IMMEDIATELY AFTER FINAL SHAPING OF THE PILE IN ACCORDANCE WITH MULCH, METHOD 2. THE CONTRACTOR WILL PROVIDE AN ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCK PILE.

22. SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING MEASURE PRIOR TO RELEASE FROM THE SITE.

EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION
- PROPOSED STORM SEWER
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

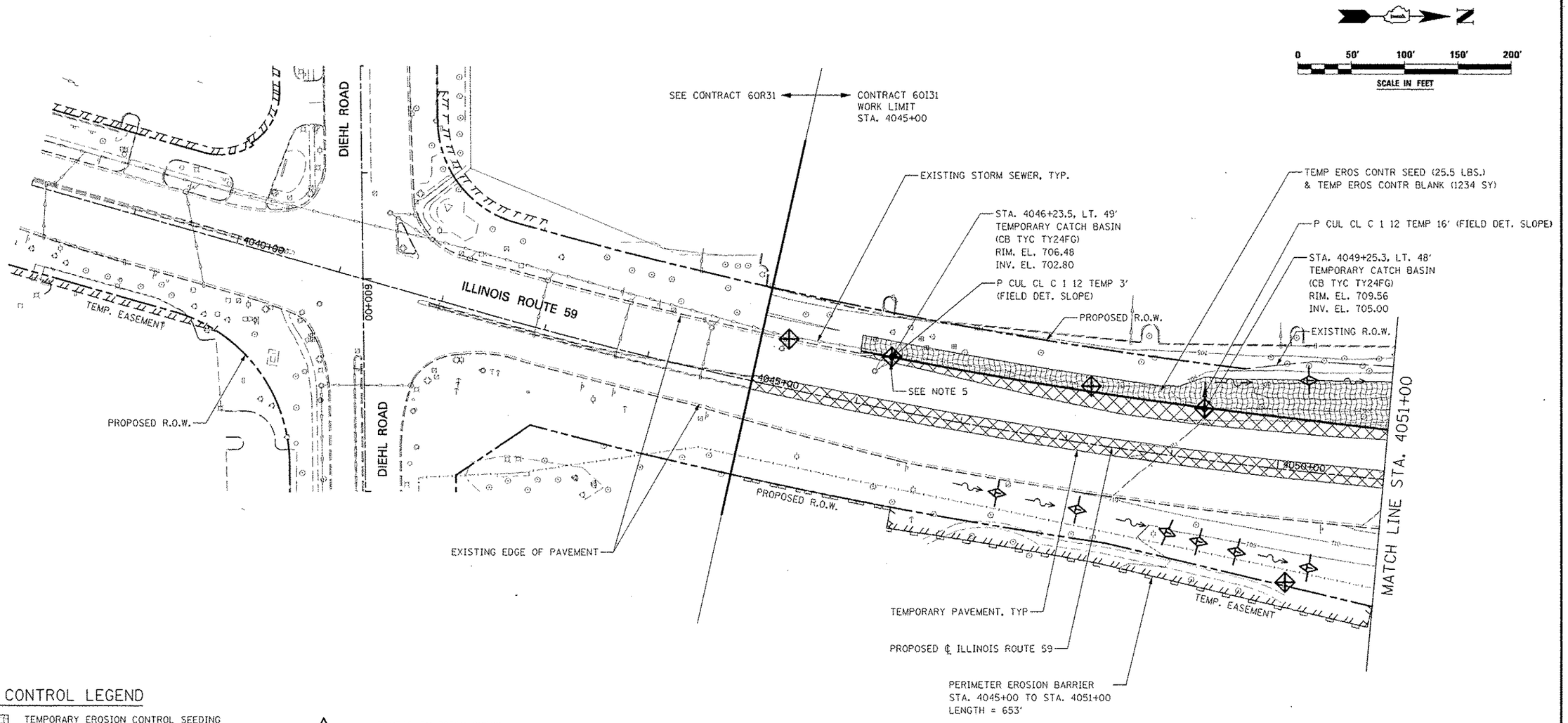
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – GENERAL NOTES
ILLINOIS ROUTE 59

SCALE: | SHEET NO. 1 OF 66 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	476
		CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE PRE-STAGE CROSS SECTIONS FOR GRADING INFORMATION.
5. REMOVING INLETS/CATCH BASINS/MANHOLES TO MAINTAIN FLOW.

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KFS	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – PRESTAGE
ILLINOIS ROUTE 59

SCALE: | SHEET NO. 2 OF 66 SHEETS | STA. 4045+00 TO STA. 4051+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	477
		CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			

EXISTING EDGE OF PAVEMENT TYP.

TEMP EROS CONTR SEED (28.9 LBS.) & TEMP EROS CONTR BLANK (1399.5 SY)

TEMPORARY PAVEMENT TYP.

PROPOSED ℄ RAMP D

EXISTING R.O.W.

P CUL CL C 1 12
TEMP 29' @ .5%

MATCH LINE STA. 1995+50

PERIMETER EROSION BARRIER
RAMP D STA. 1995+50 TO
MAIN LINE STA. 4056+39.2
LENGTH = 395'

TEMPORARY FENCE
LENGTH=951'
(MINIMUM 2 "WETLAND NO INTRUSION" SIGNS TO BE PLACED ON FENCE)

WETLAND NO. 4
(SEE EROSION CONTROL GENERAL NOTE 9)

PROPOSED R.O.W.

MATCH LINE STA. 4051+00

357

SEE NOTE 5

4055+00

ILLINOIS ROUTE 59

4060+00

PROPOSED ℄ ILLINOIS ROUTE 59

6525+00

EXISTING STORM SEWER, TYP.

RONALD REAGAN MEMORIAL TOLLWAY
INTERSTATE 88

6530+00

MATCH LINE STA. 7004+50

TEMP EROS CONTR SEED (31 LBS.) & TEMP EROS CONTR BLANK (1503 SY)

EXISTING EDGE OF PAVEMENT, TYP.

PROPOSED ℄ RAMP C

PERIMETER EROS BAR
STA. 7001+07 TO
STA. 7004+73.5
LENGTH = 440'

EXISTING R.O.W.

TEMP EROS CONTR SEED (19.2 LBS.) & TEMP EROS CONTR BLANK (931 SY)

7000+00

PROPOSED R.O.W.

TEMPORARY FENCE
(LENGTH= 69')

MATCH LINE STA. 4065+00

STA. 4051+16.5, LT. 46.3'
TEMPORARY CATCH BASIN
(CB TYC TY24FG)
RIM. EL. 714.25
INV. EL. 709.00

PERIMETER EROSION BARRIER
STA. 4051+00 TO STA. 1002+10
LENGTH = 271'

PROPOSED ℄ RAMP A

PERIMETER EROSION BARRIER
STA. 6528+84.8 TO STA. 6531+00.0
LENGTH = 242'

EX CONCRETE PAVED DITCH

EXISTING ℄ I-88

MATCH LINE STA. 1005+00

TEMP EROS CONTR SEED (17.6 LBS.) & TEMP EROS CONTR BLANK (854 SY)

SEE EC SHEET 13 FOR PERIMETER EROS BAR ALONG I-88, TYP.

MATCH LINE STA. 8995+50

STA. 4064+90.8, LT. 53.0'
TEMPORARY CATCH BASIN
(CB TYC TY24FG)
RIM. EL. 722.39
INV. EL. 719.25

PROPOSED ℄ RAMP B

PERIMETER EROSION BARRIER
RAMP B STA. 8996+62.9 TO
MAIN LINE STA. 4065+00
LENGTH = 343'

N

0 50' 100' 150' 200'

SCALE IN FEET

NOTES

REFER TO PREVIOUS PAGE FOR LEGEND AND NOTES

FILE NAME = $FILEL$	USER NAME = $USERS$	DESIGNED P.JO	REVISED -
		DRAWN K.E.S.	REVISED
	PLOT SCALE = $SCALE$	CHECKED J.C.M.	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – PRESTAGE
ILLINOIS ROUTE 59

SCALE: | SHEET NO. 3 OF 66 SHEETS | STA. 4051+00 TO STA. 4065+00

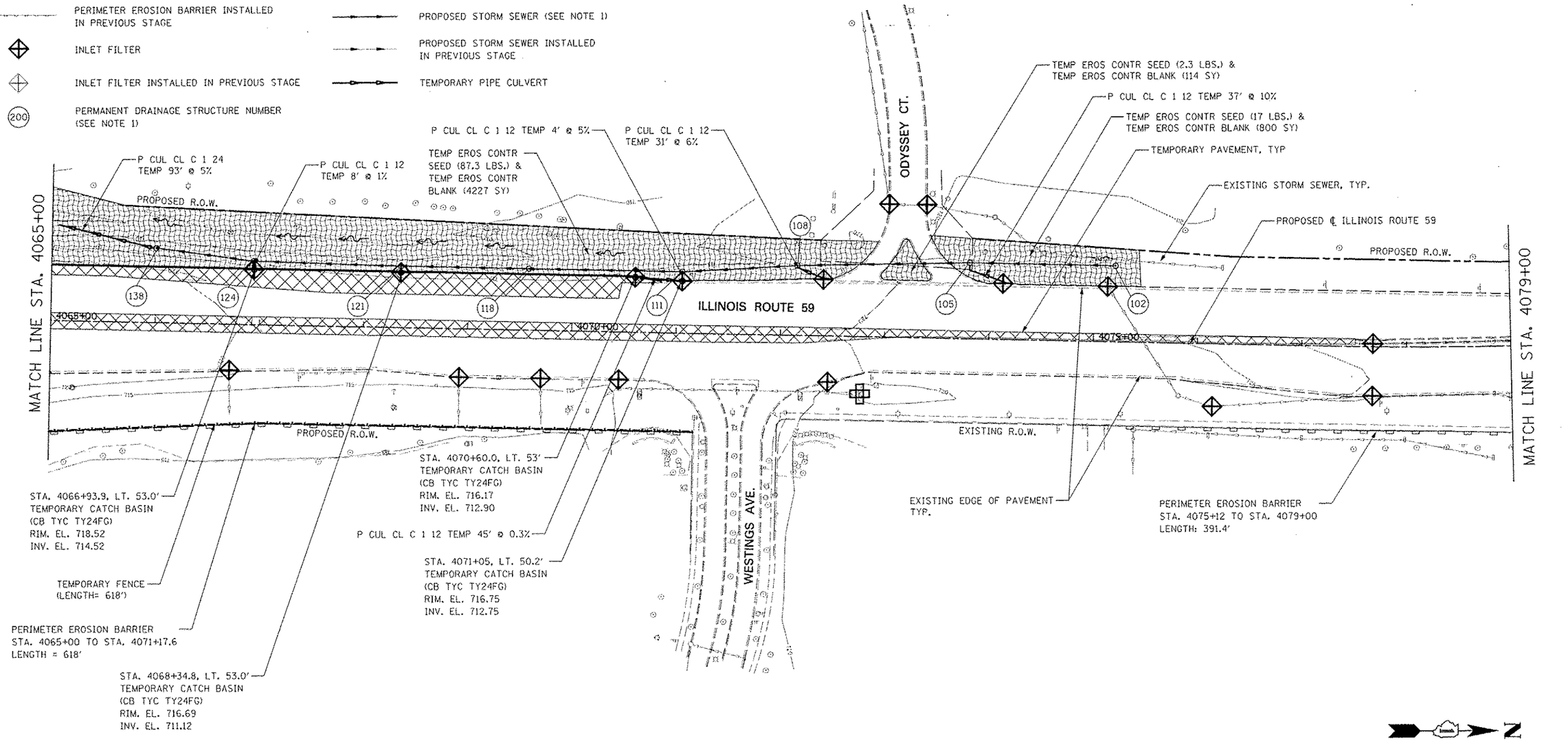
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	478
		CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			

EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE PRE-STAGE CROSS SECTIONS FOR GRADING INFORMATION.



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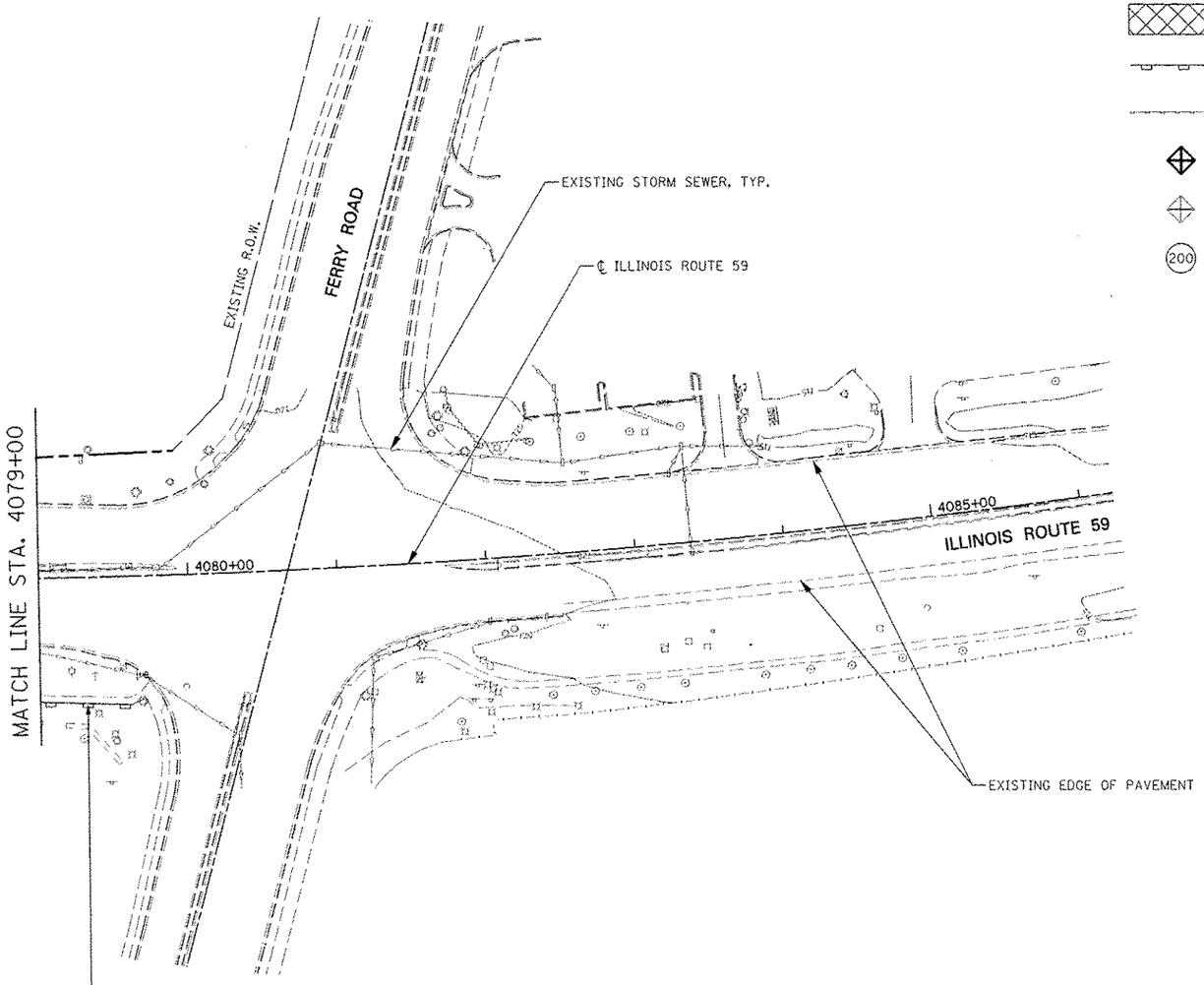
		DRAWN KES	REVISED			338	(112 & 113) WRS-5	DUPAGE	963	479
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED						CONTRACT NO. 60131	
	PLOT DATE = $DATE$	DATE 10/15/2018	REVISED		SCALE:	SHEET NO. 4 OF 66 SHEETS	STA. 4065+00 TO STA. 4079+00	ILLINOIS FED. AID PROJECT		



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

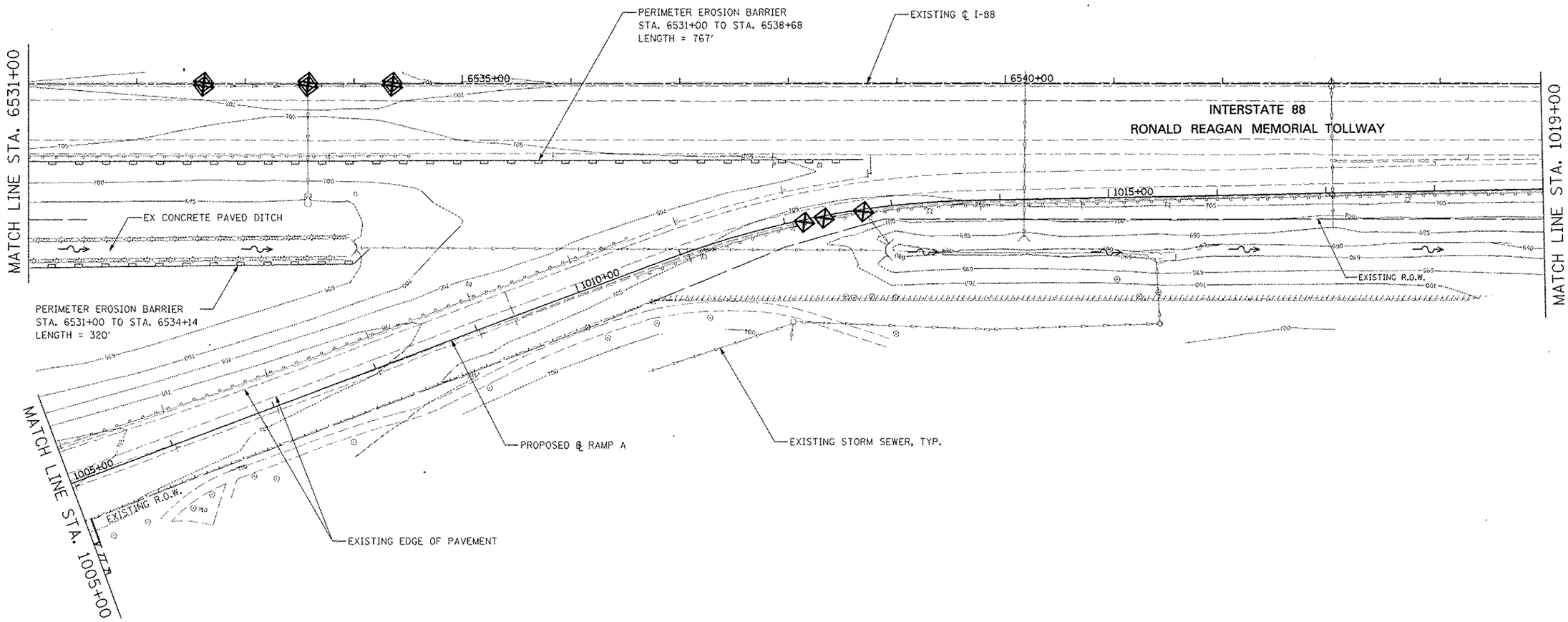
1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE PRE-STAGE CROSS SECTIONS FOR GRADING INFORMATION.

N

0 50' 100' 150' 200'

SCALE IN FEET

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL – PRESTAGE ILLINOIS ROUTE 59	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN KES	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	480
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -					CONTRACT NO. 60131		
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -		SCALE: SHEET NO. 5 OF 66 SHEETS STA. 4079+00 TO STA. 4086+00			ILLINOIS FED. AID PROJECT		



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE PRE-STAGE CROSS SECTIONS FOR GRADING INFORMATION.

N

0 50' 100' 150' 200'

SCALE IN FEET

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

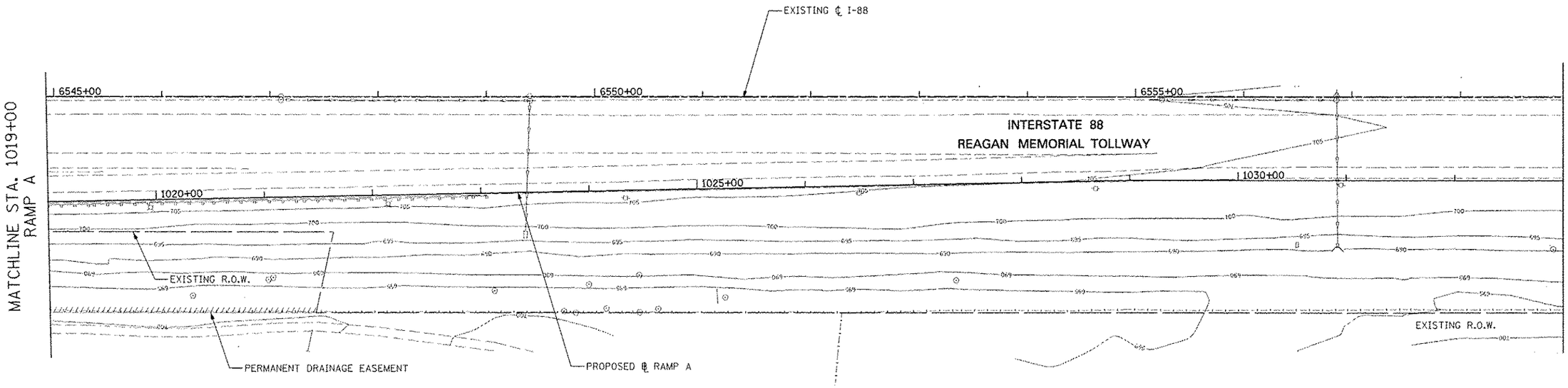
EROSION CONTROL - PRESTAGE
RAMP A

SCALE: | SHEET NO. 6 OF 66 SHEETS | STA. 1005+00 TO STA. 1019+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	481

CONTRACT NO. 60I31

ILLINOIS FED. AID PROJECT



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE PRE-STAGE CROSS SECTIONS FOR GRADING INFORMATION.

N

0 50' 100' 150' 200'

SCALE IN FEET

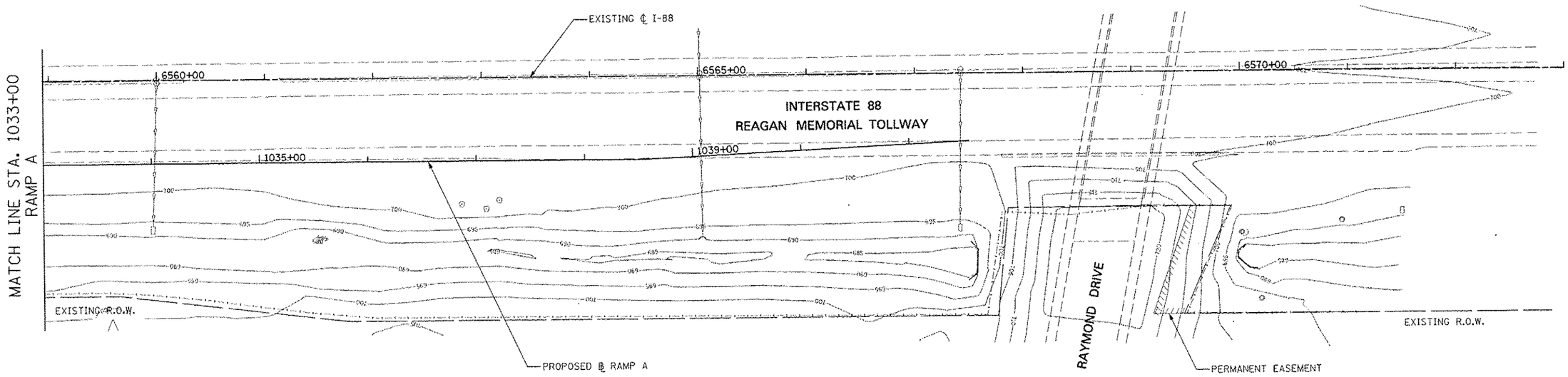
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – PRESTAGE
RAMP A

SCALE: | SHEET NO. 7 OF 66 SHEETS | STA. 1019+00 | TO STA. 1033+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	482
		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE PRE-STAGE CROSS SECTIONS FOR GRADING INFORMATION.

N

0 50' 100' 150' 200'

SCALE IN FEET

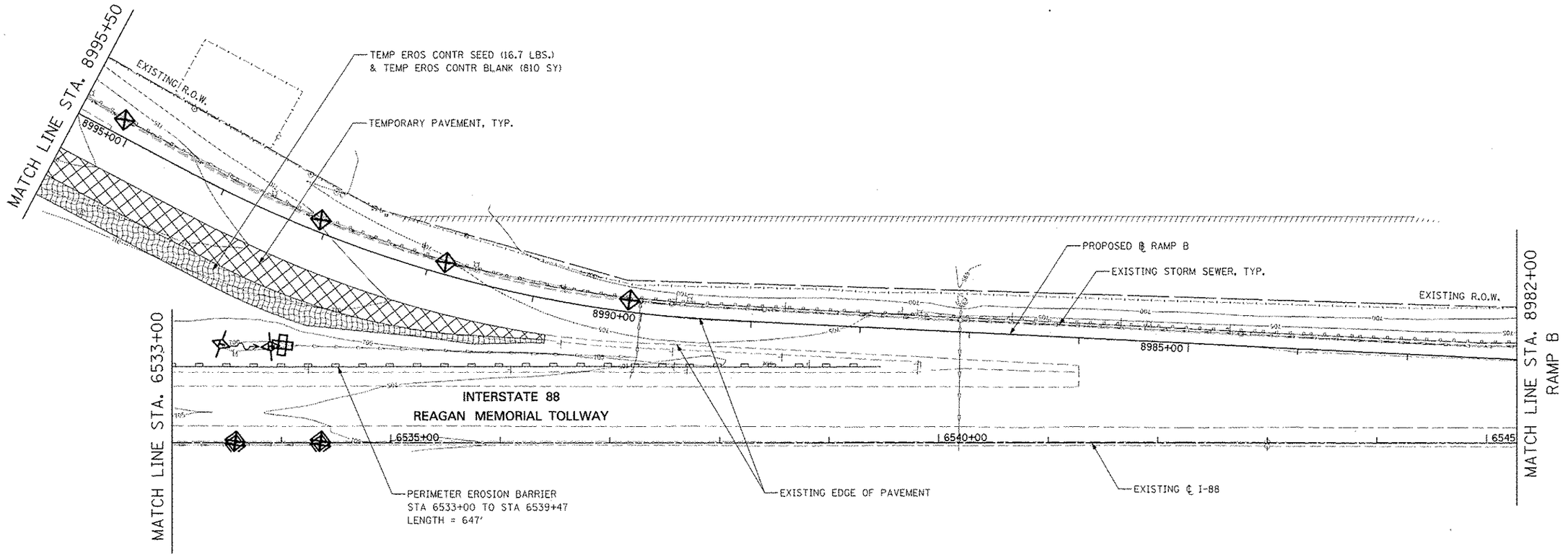
FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED PJO	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – PRESTAGE
RAMP A

SCALE: | SHEET NO. 8 OF 66 SHEETS | STA. 1033+00 TO STA. 1041+55

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	483
		CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE PRE-STAGE CROSS SECTIONS FOR GRADING INFORMATION.

N

0 50' 100' 150' 200'

SCALE IN FEET

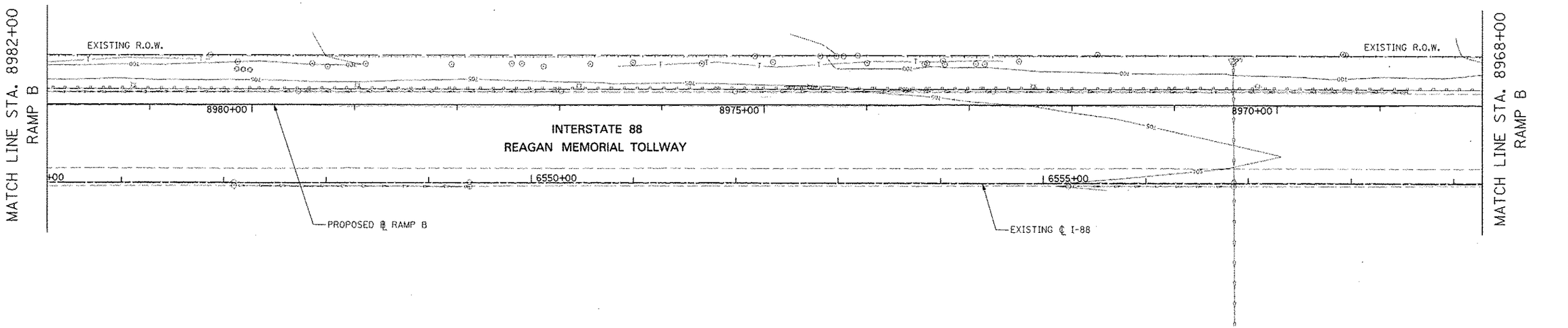
FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED PJO	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – PRESTAGE
RAMP B

SCALE: | SHEET NO. 9 OF 66 SHEETS | STA. 8982+00 TO STA. 8995+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	484
		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE PRE-STAGE CROSS SECTIONS FOR GRADING INFORMATION.

N

0 50' 100' 150' 200'

SCALE IN FEET

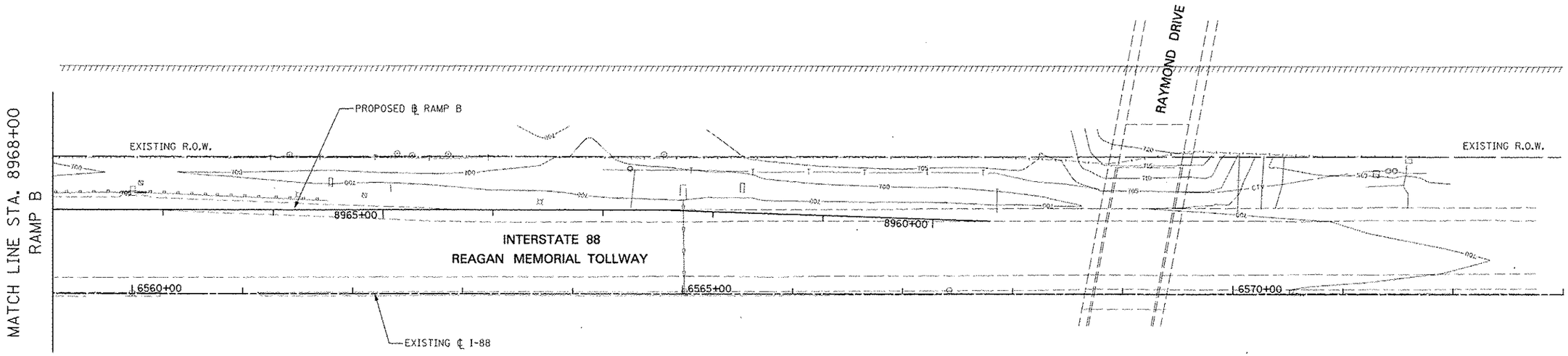
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – PRESTAGE
RAMP B

SCALE: | SHEET NO. 10 OF 66 SHEETS | STA. 8968+00 TO STA. 8982+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	485
		CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE PRE-STAGE CROSS SECTIONS FOR GRADING INFORMATION.

N

0 50' 100' 150' 200'

SCALE IN FEET

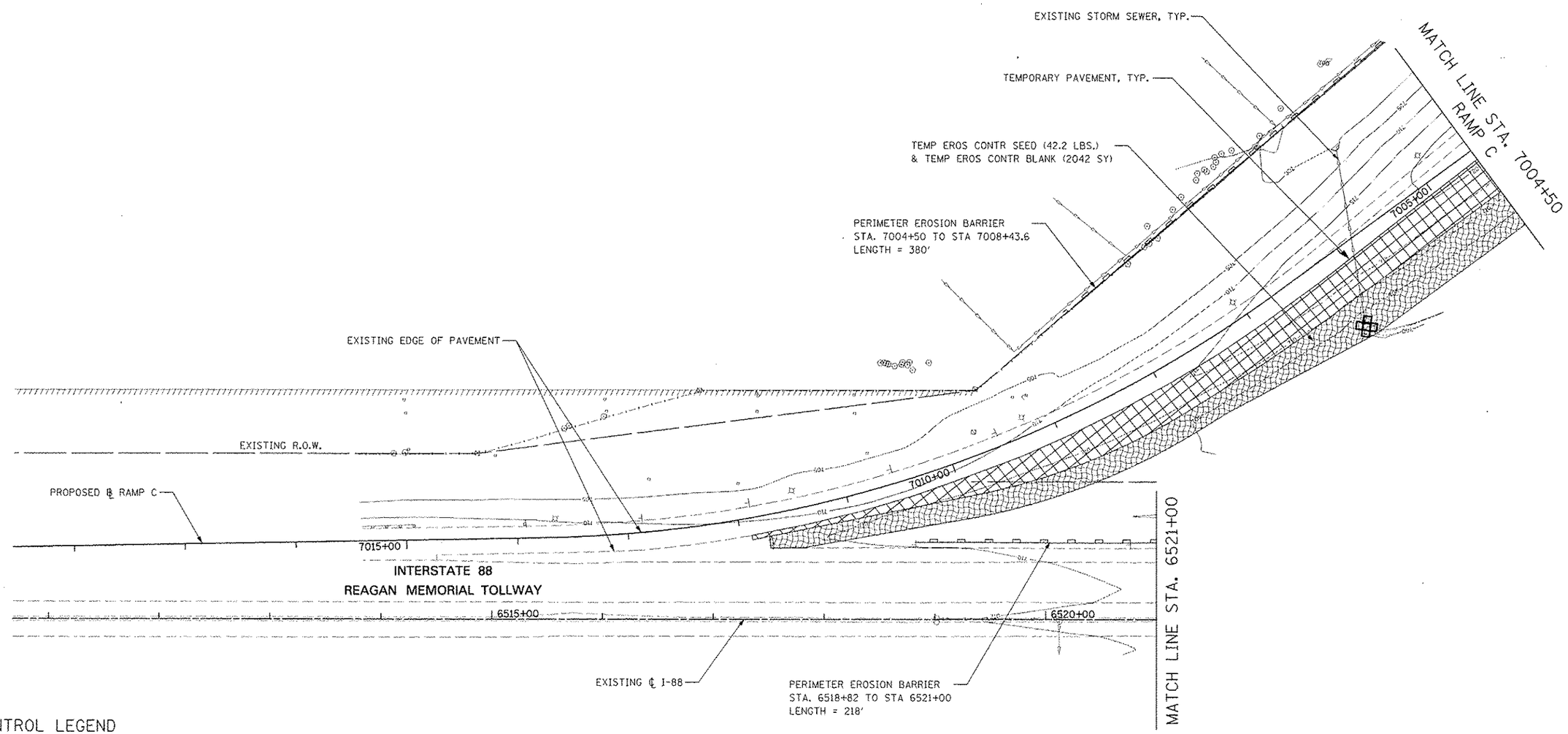
FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = #SCALE#	CHECKED JCM	REVISED -
	PLOT DATE = #DATE#	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – PRESTAGE
RAMP B

SCALE: | SHEET NO. 11 OF 66 SHEETS | STA. 8959+48 TO STA. 8968+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	486
		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE PRE-STAGE CROSS SECTIONS FOR GRADING INFORMATION.

N

0 50' 100' 150' 200'

SCALE IN FEET

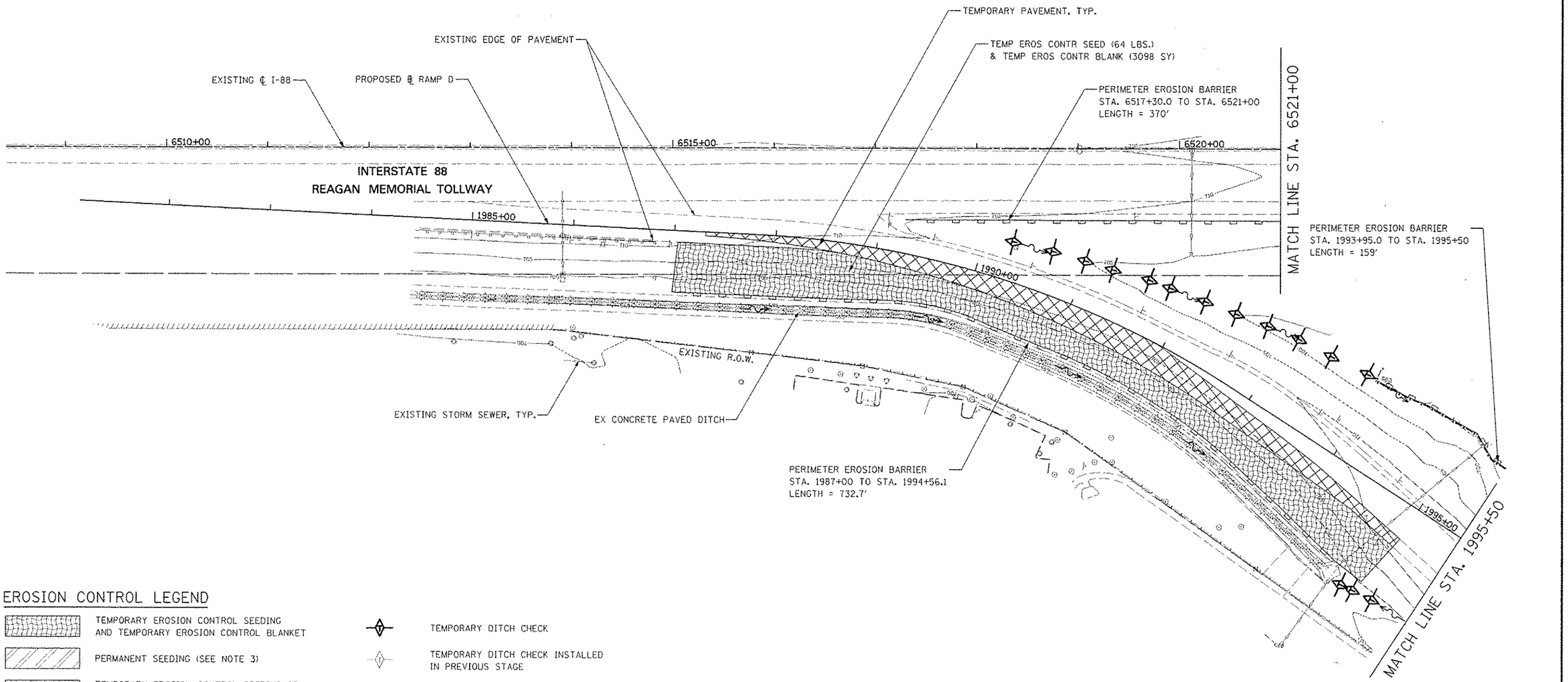
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – PRESTAGE
RAMP C

SCALE: | SHEET NO. 12 OF 66 SHEETS | STA. 7004+50 TO STA. 7018+55

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	487
		CONTRACT NO. 60131		
		ILLINOIS FED. AID PROJECT		



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE PRE-STAGE CROSS SECTIONS FOR GRADING INFORMATION.

N

0 50' 100' 150' 200'

SCALE IN FEET

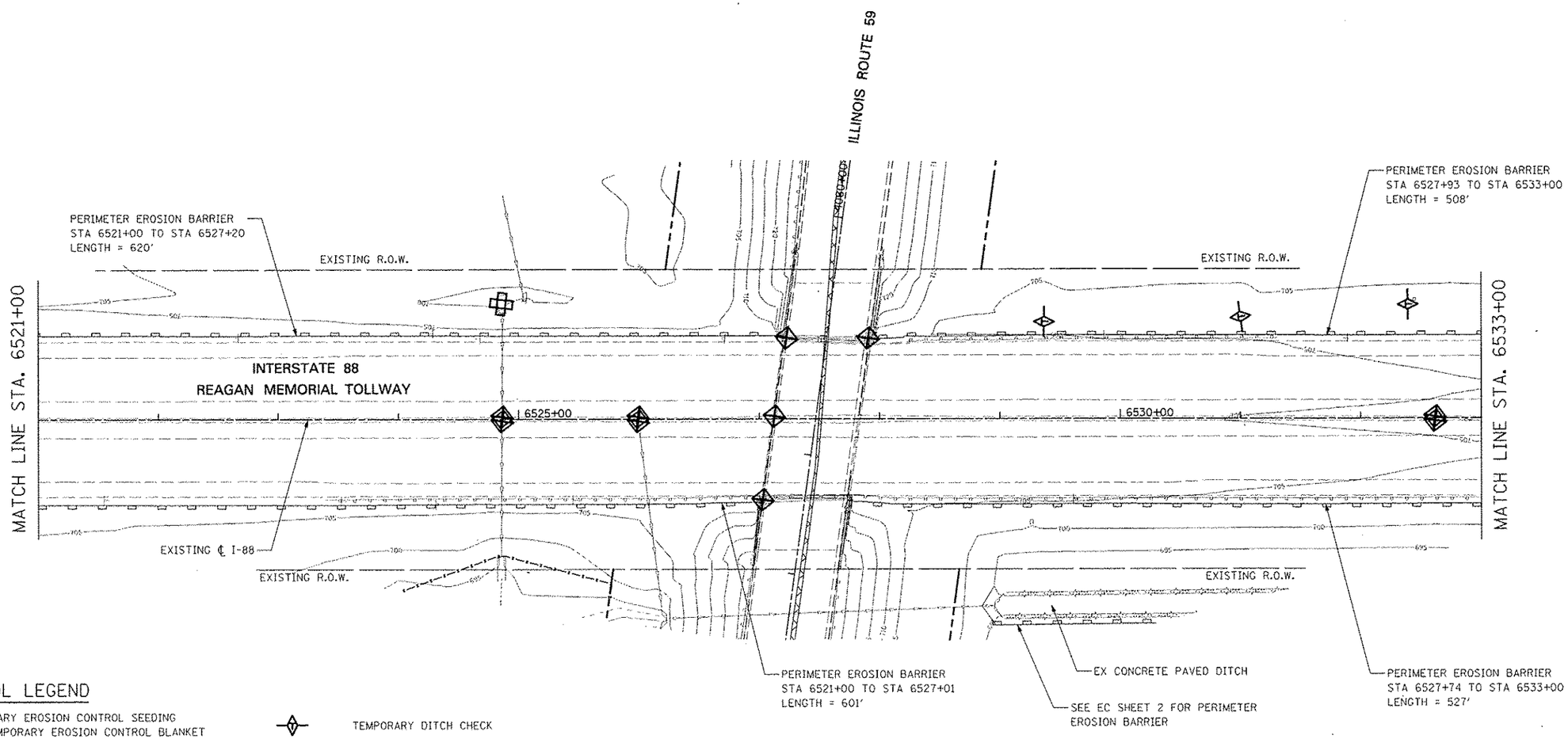
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – PRESTAGE
RAMP D

SCALE: | SHEET NO. 13 OF 66 SHEETS | STA. 1981+22 TO STA. 1995+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	488
		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE PRE-STAGE CROSS SECTIONS FOR GRADING INFORMATION.

N

0 50' 100' 150' 200'
SCALE IN FEET

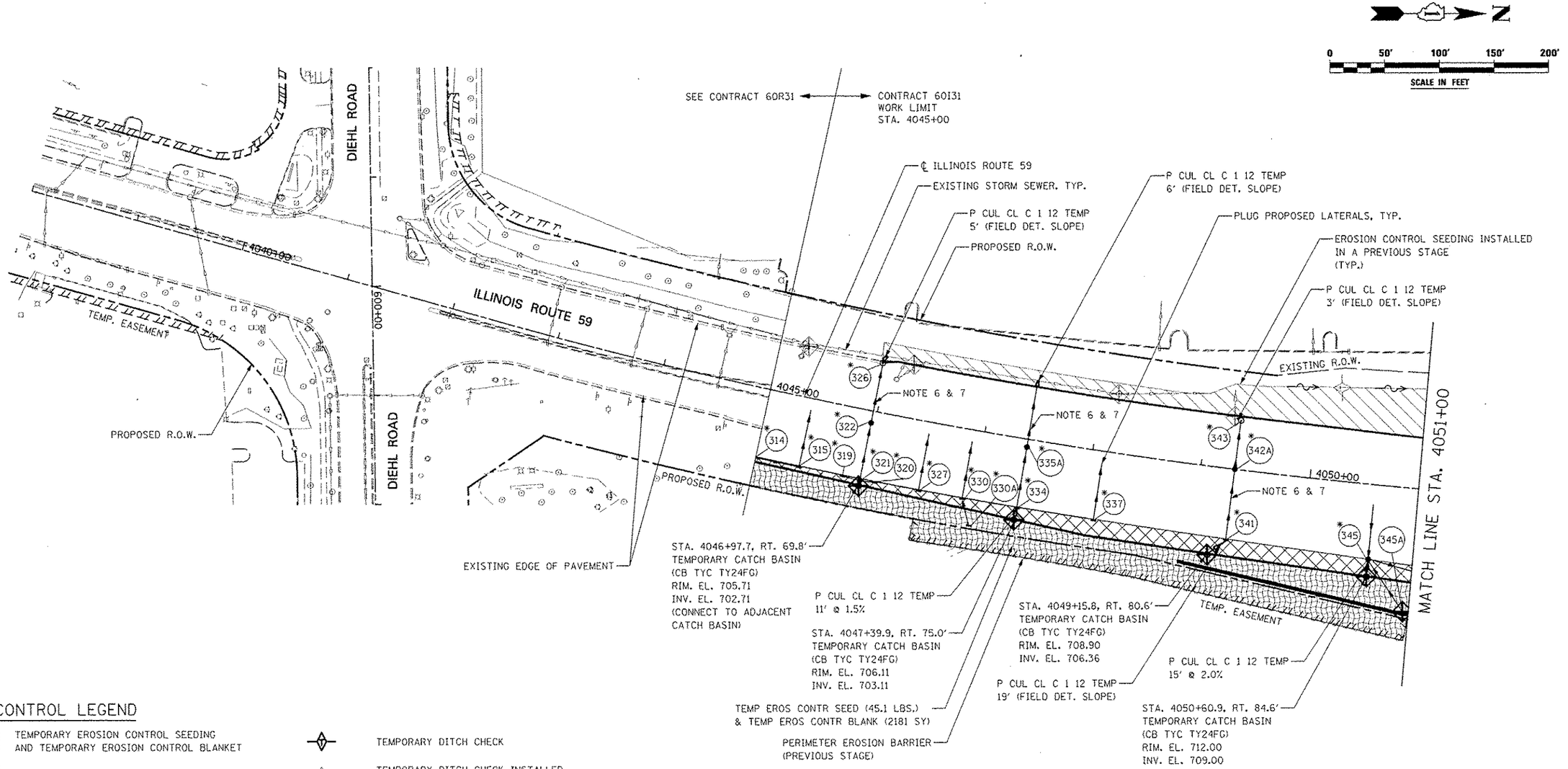
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – PRESTAGE
INTERSTATE 88

SCALE: | SHEET NO. 14 OF 66 SHEETS | STA. 6521+00 TO STA. 6533+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	489
		CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

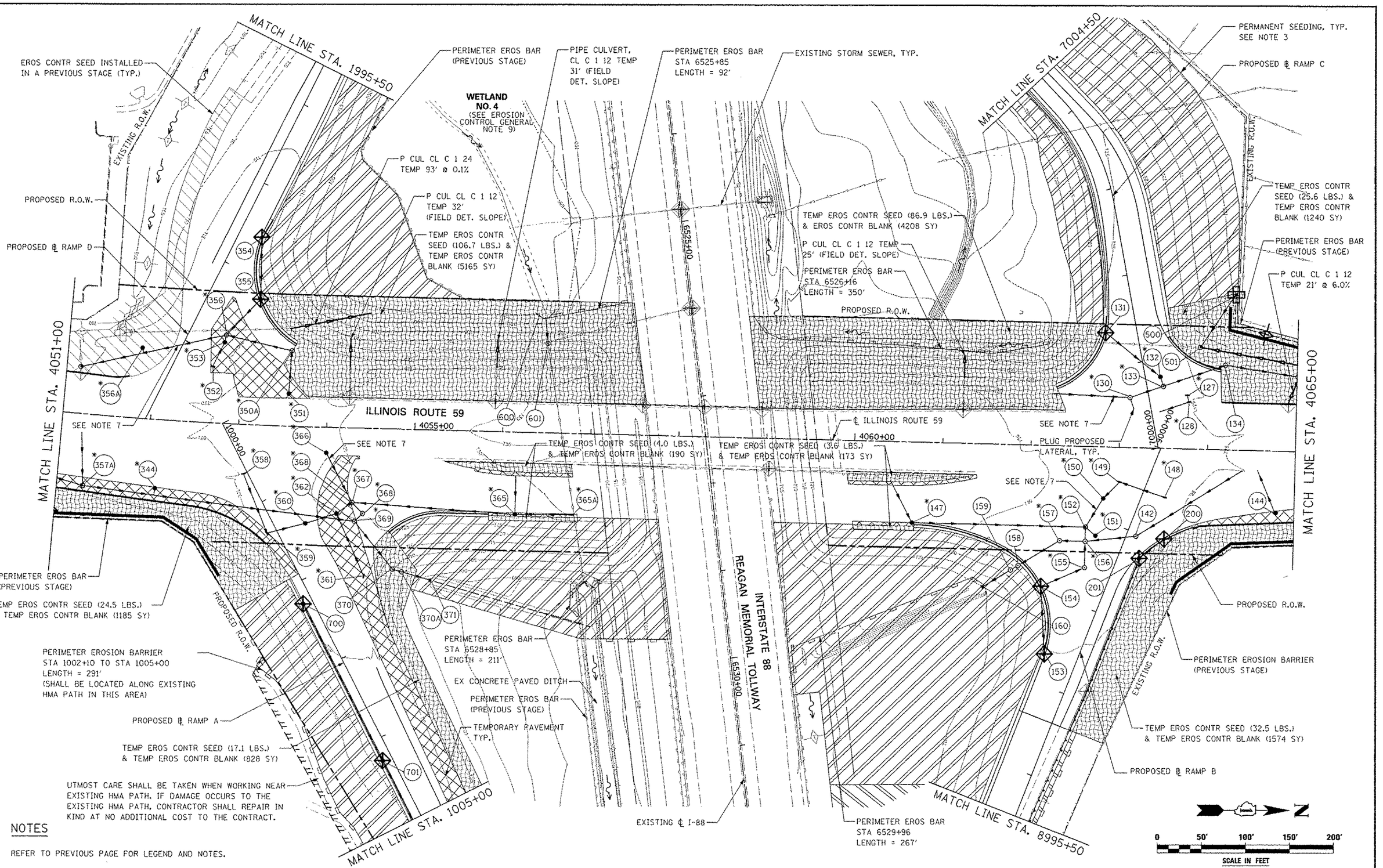
- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

(*) - SEE NOTE 5

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE STAGE 1 CROSS SECTIONS FOR GRADING INFORMATION.
5. PROPOSED STRUCTURE SHALL BE BURIED AND TEMPORARILY COVERED/CLOSED WITH STEEL PLATE OF THICKNESS SPECIFIED AND APPROVED BY THE ENGINEER. PAYMENT FOR THIS TEMPORARY COVER INSTALLATION AND REMOVAL SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED STRUCTURE.
6. STORM SEWER TO BE FULLY CONSTRUCTED ACROSS ENTIRE ROADWAY, USING A SINGLE LANE NIGHT TIME CLOSURE.
7. WHEN TEMPORARY OR PERMANENT STORM SEWER IS TO BE PLACED BELOW EXISTING PAVEMENT OR TEMPORARY PAVEMENT, THE EXISTING PAVEMENT OR TEMPORARY PAVEMENT WITHIN THE LIMITS OF THE TRENCHING OPERATION, SHALL BE REMOVED AND REPLACED. PAID FOR AS "CLASS D PATCHES, TYPE III, 15 INCH (SPECIAL)".

FILE NAME = $FILE1$	USER NAME = $USER$	DESIGNED PJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL – STAGE 1, 1A, AND 1B ILLINOIS ROUTE 59	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN KES	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	490
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -							CONTRACT NO. 60I31
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -		SCALE:	SHEET NO. 15 OF 66 SHEETS	STA. 4045+00 TO STA. 4051+00		ILLINOIS	FED. AID PROJECT



NOTES

REFER TO PREVIOUS PAGE FOR LEGEND AND NOTES.

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		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

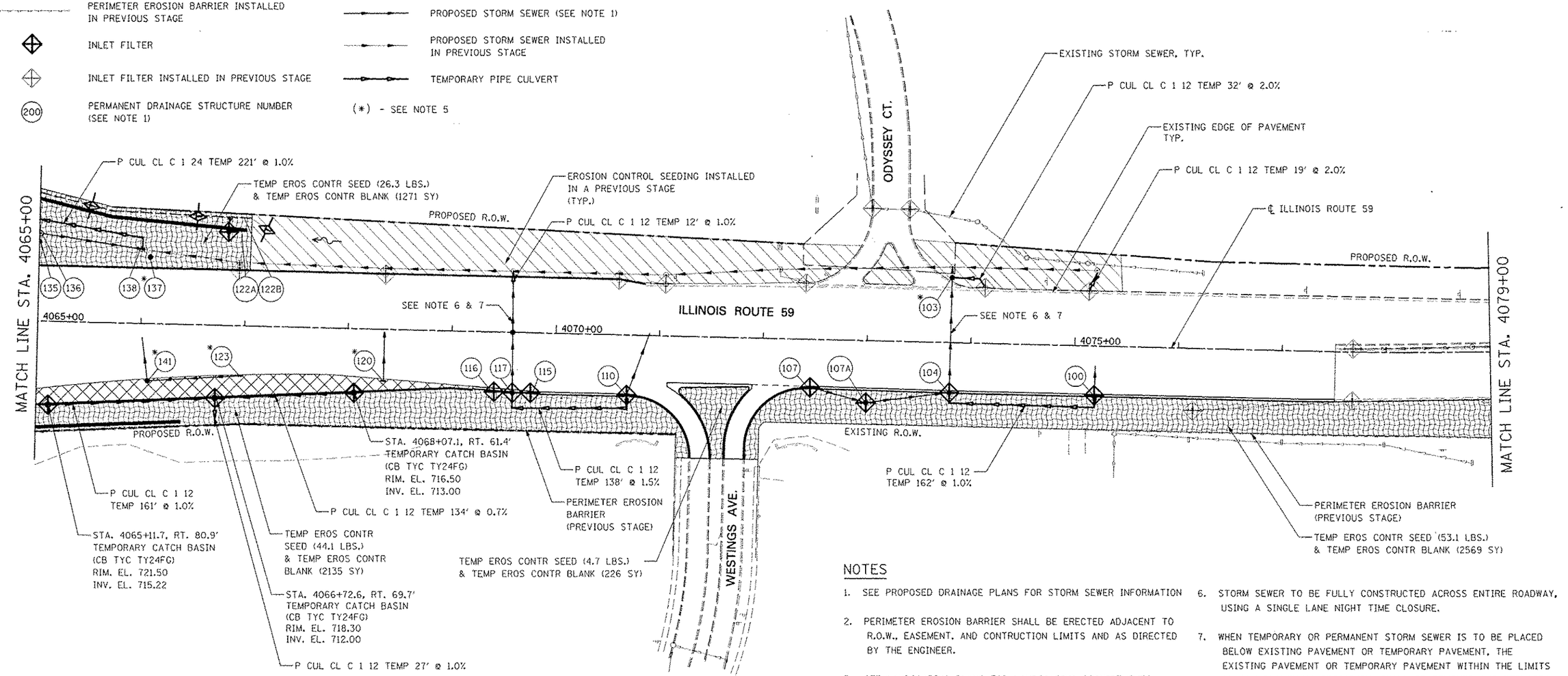
EROSION CONTROL – STAGE 1, 1A, AND 1B
ILLINOIS ROUTE 59

SCALE: | SHEET NO. 16 OF 66 SHEETS | STA. 4051+00 TO STA. 4065+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	491
		CONTRACT NO. 60131		
	ILLINOIS FED. AID PROJECT			

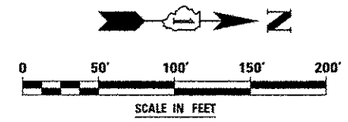
EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT
- (*) - SEE NOTE 5

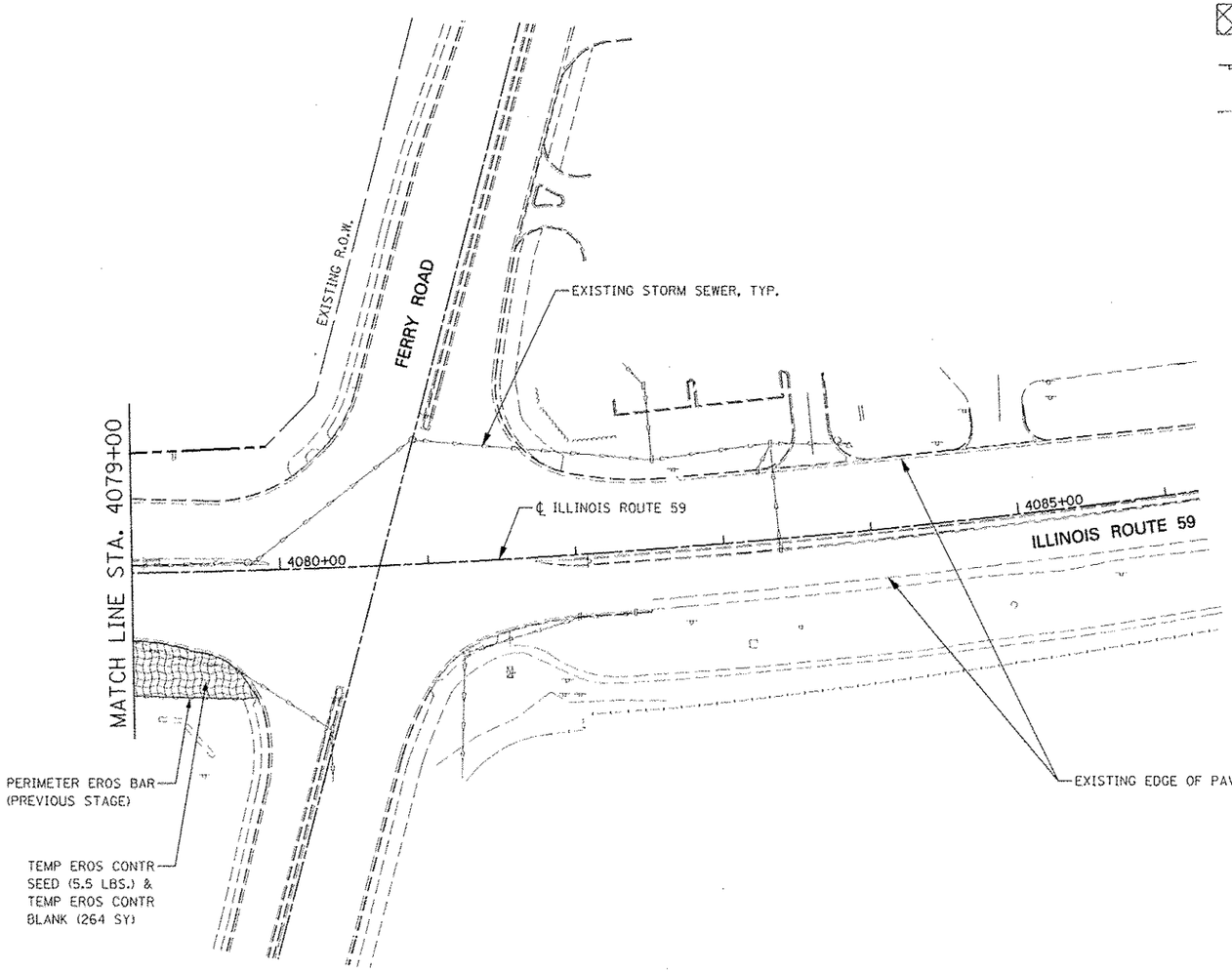


NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE STAGE 1 CROSS SECTIONS FOR GRADING INFORMATION.
5. PROPOSED STRUCTURE SHALL BE BURIED AND TEMPORARILY COVERED/CLOSED WITH STEEL PLATE OF THICKNESS SPECIFIED AND APPROVED BY THE ENGINEER. PAYMENT FOR THIS TEMPORARY COVER INSTALLATION AND REMOVAL SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED STRUCTURE.
6. STORM SEWER TO BE FULLY CONSTRUCTED ACROSS ENTIRE ROADWAY, USING A SINGLE LANE NIGHT TIME CLOSURE.
7. WHEN TEMPORARY OR PERMANENT STORM SEWER IS TO BE PLACED BELOW EXISTING PAVEMENT OR TEMPORARY PAVEMENT, THE EXISTING PAVEMENT OR TEMPORARY PAVEMENT WITHIN THE LIMITS OF THE TRENCHING OPERATION, SHALL BE REMOVED AND REPLACED. PAID FOR AS "CLASS D PATCHES, TYPE III, 15 INCH (SPECIAL)".



FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL – STAGE 1, 1A, AND 1B ILLINOIS ROUTE 59	F.A.P. RTE. 338	SECTION (112 & 113) WRS-5	COUNTY DUPAGE	TOTAL SHEETS 963	SHEET NO. 492
		DRAWN KES	REVISED -					CONTRACT NO. 60131		
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -					ILLINOIS FED. AID PROJECT		
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -		SCALE:	SHEET NO. 17 OF 66 SHEETS	STA. 4065+00 TO STA. 4079+00			



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE STAGE 1 CROSS SECTIONS FOR GRADING INFORMATION.

N

0 50' 100' 150' 200'

SCALE IN FEET

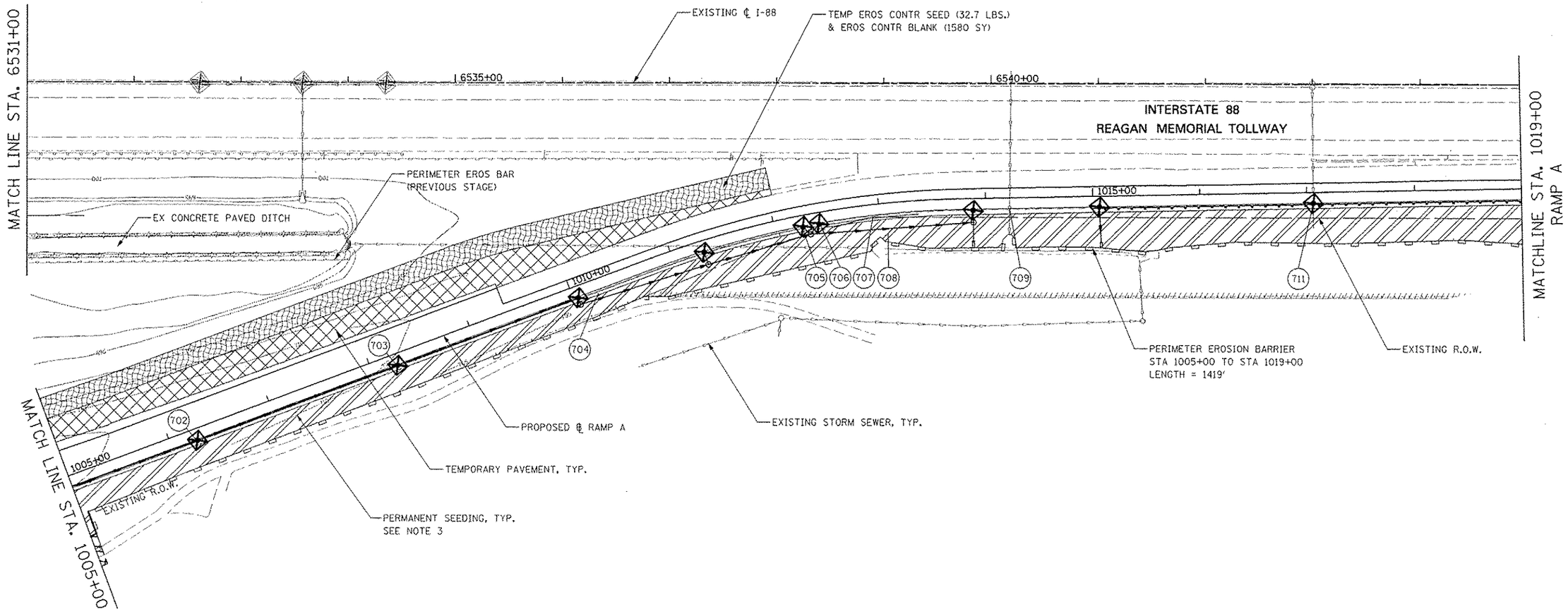
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJD	REVISED
		DRAWN KES	REVISED
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – STAGE 1, 1A, AND 1B
ILLINOIS ROUTE 59

SCALE: | SHEET NO. 18 OF 66 SHEETS | STA. 4079+00 TO STA. 4086+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	493
		CONTRACT NO. 60131		
ILLINOIS FED. AID PROJECT				



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE STAGE 1 CROSS SECTIONS FOR GRADING INFORMATION.

N

0 50' 100' 150' 200'

SCALE IN FEET

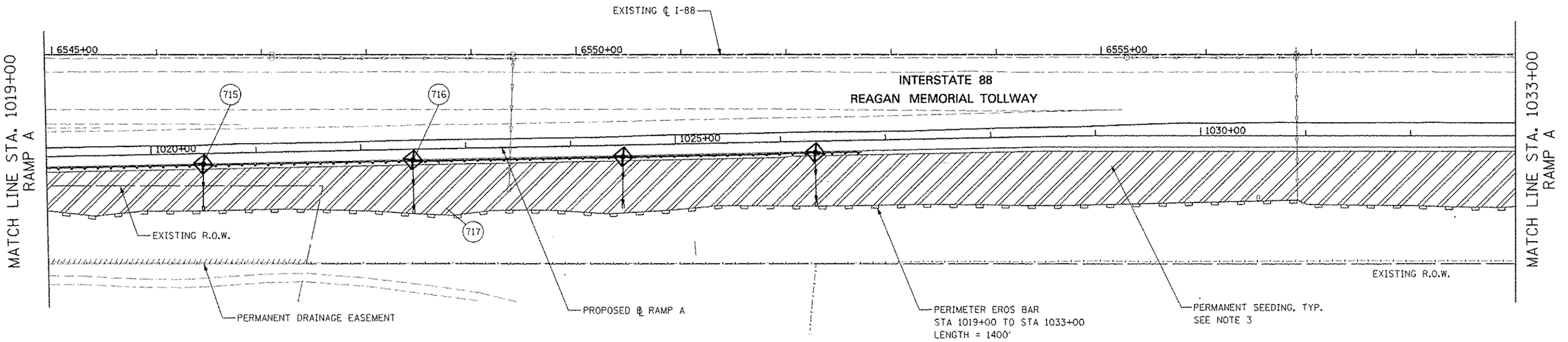
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL - STAGE 1, 1A, AND 1B
RAMP A

SCALE: | SHEET NO. 19 OF 66 SHEETS | STA. 1005+00 TO STA. 1019+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	494
		CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
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N

0 50' 100' 150' 200'

SCALE IN FEET

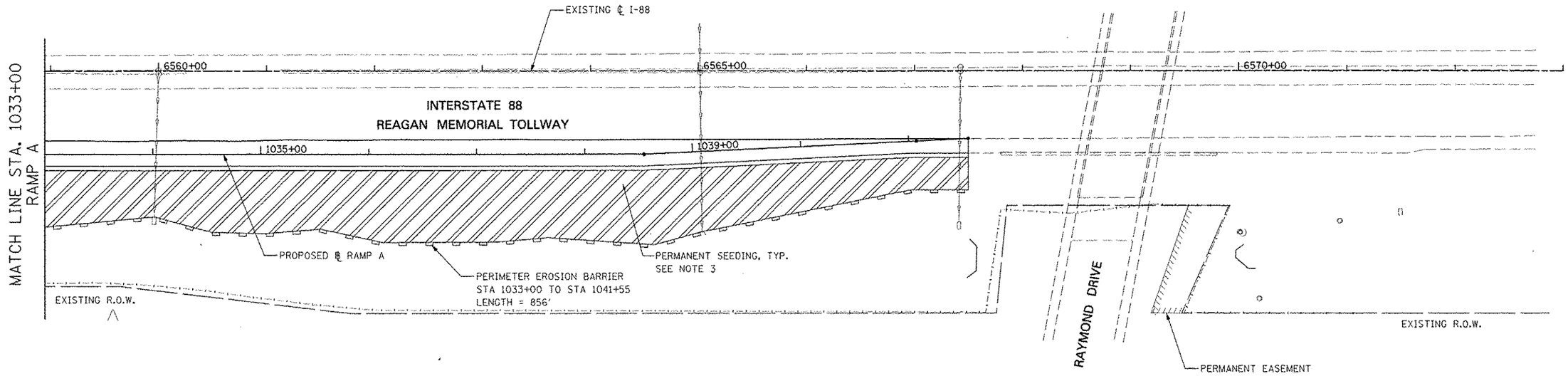
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – STAGE 1, 1A, AND 1B
RAMP A

SCALE: | SHEET NO. 20 OF 66 SHEETS | STA. 1019+00 | TO STA. 1033+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	495
		CONTRACT NO. 60I31		
		ILLINOIS FED. AID PROJECT		



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE STAGE 1 CROSS SECTIONS FOR GRADING INFORMATION.

N

0 50' 100' 150' 200'
SCALE IN FEET

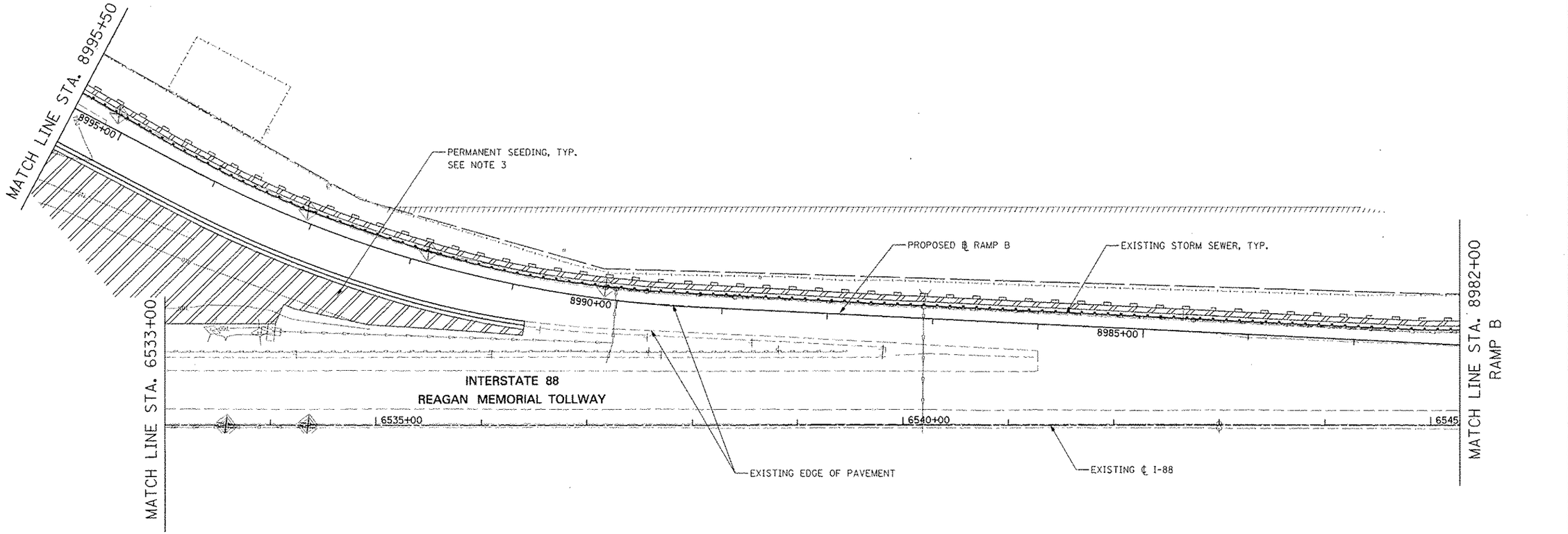
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – STAGE 1, 1A, AND 1B
RAMP A

SCALE: | SHEET NO. 21 OF 66 SHEETS | STA. 1033+00 TO STA. 1041+55

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	496
		CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
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4. SEE STAGE 1 CROSS SECTIONS FOR GRADING INFORMATION.

N

0 50' 100' 150' 200'

SCALE IN FEET

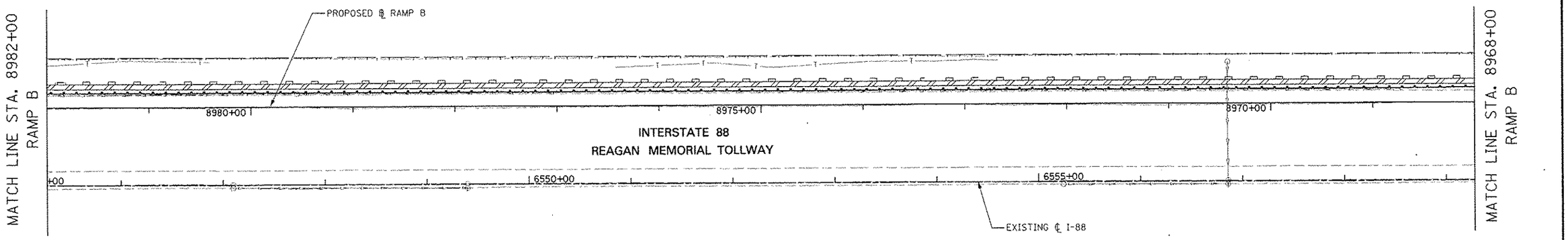
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – STAGE 1, 1A, AND 1B
RAMP B

SCALE: | SHEET NO. 22 OF 66 SHEETS | STA. 8982+00 TO STA. 8995+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	497
		CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
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N

0 50' 100' 150' 200'

SCALE IN FEET

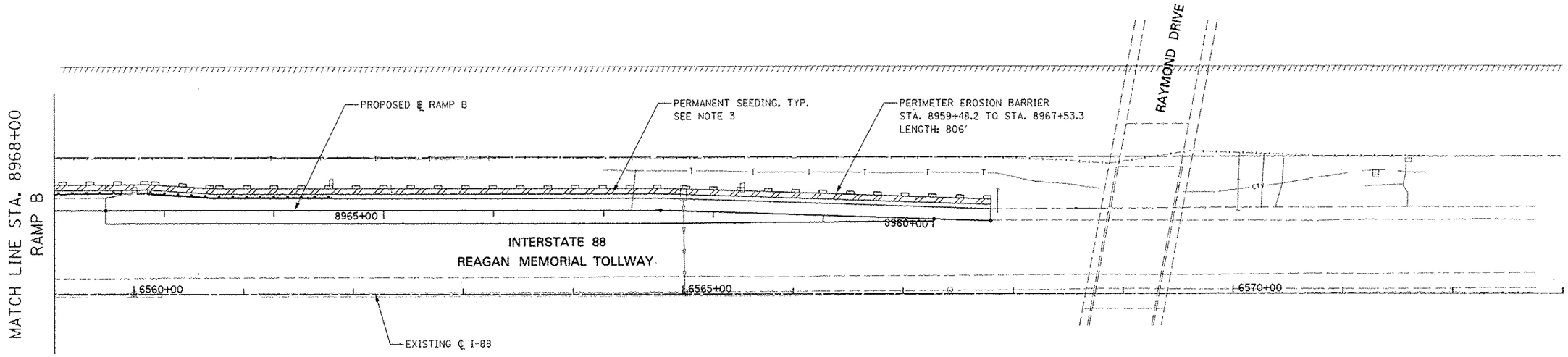
FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – STAGE 1, 1A, AND 1B
RAMP B

SCALE: | SHEET NO. 23 OF 66 SHEETS | STA. 8968+00 TO STA. 8982+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	498
		CONTRACT NO. 60131		
ILLINOIS FED. AID PROJECT				



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

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N

0 50' 100' 150' 200'

SCALE IN FEET

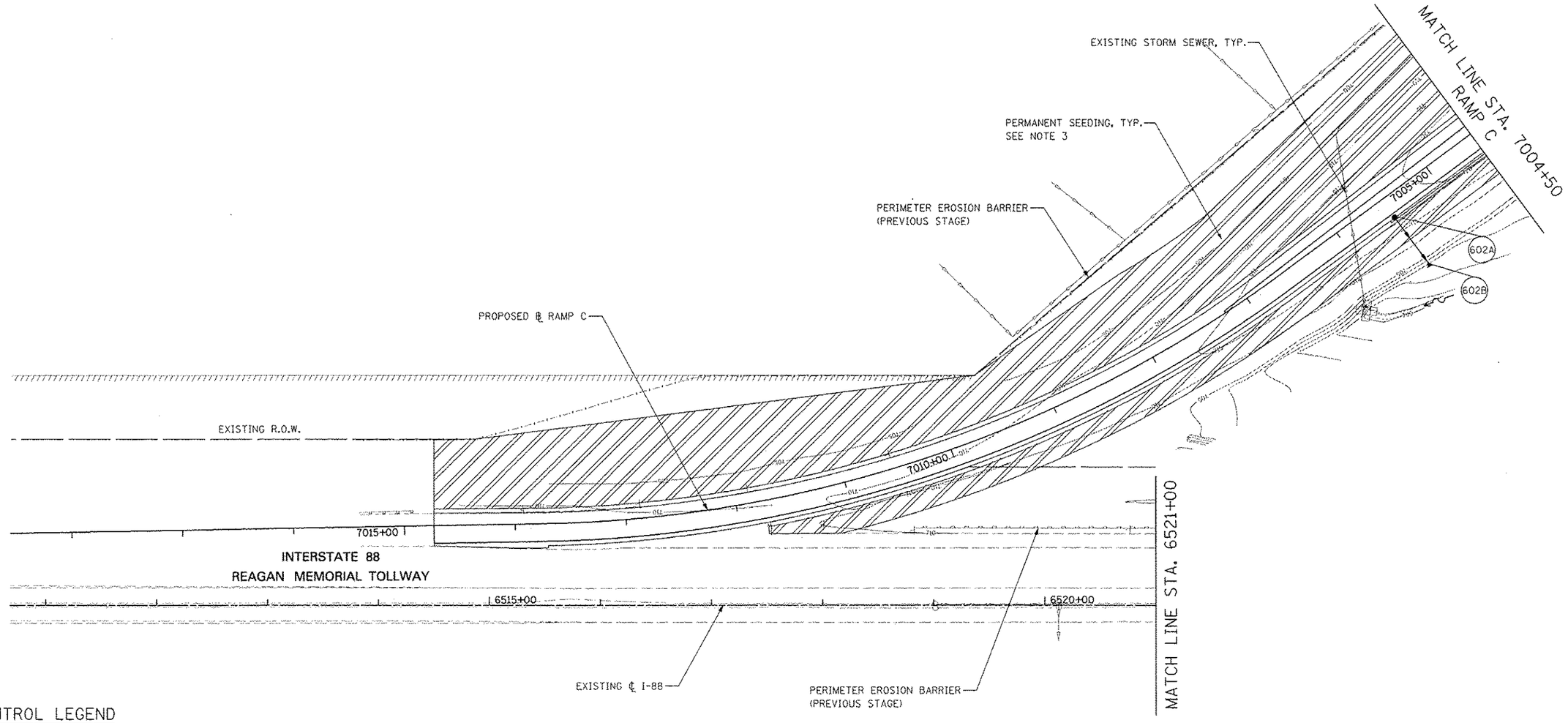
FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – STAGE 1, 1A, AND 1B
RAMP B

SCALE: | SHEET NO. 24 OF 66 SHEETS | STA. 8959+48 TO STA. 8968+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	499
		CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- PERMANENT SEEDING (SEE NOTE 3)
- TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE
- TEMPORARY PAVEMENT
- PERIMETER EROSION BARRIER (SEE NOTE 2)
- PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
- INLET FILTER
- INLET FILTER INSTALLED IN PREVIOUS STAGE
- (200) PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
- INLET & PIPE PROTECTION
- INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
- FLOW DIRECTION (SEE NOTE 4)
- PROPOSED STORM SEWER (SEE NOTE 1)
- PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
- TEMPORARY PIPE CULVERT

NOTES

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N

0 50' 100' 150' 200'

SCALE IN FEET

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED PJO	REVISED -
		DRAWN KES	REVISED -
	PLOT SCALE = $SCALE$	CHECKED JCM	REVISED -
	PLOT DATE = $DATE$	DATE 10/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL – STAGE 1, 1A, AND 1B
RAMP C

SCALE: | SHEET NO. 25 OF 66 SHEETS | STA. 7004+50 TO STA. 7018+55

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	500
		CONTRACT NO. 60I31		
	ILLINOIS FED. AID PROJECT			