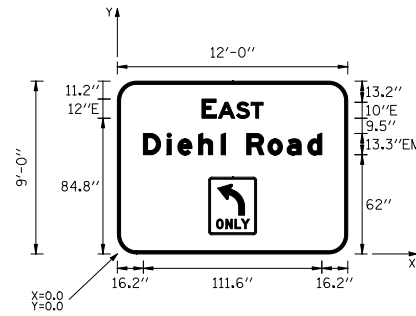


SIGN DETAIL
1:75



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: White/White

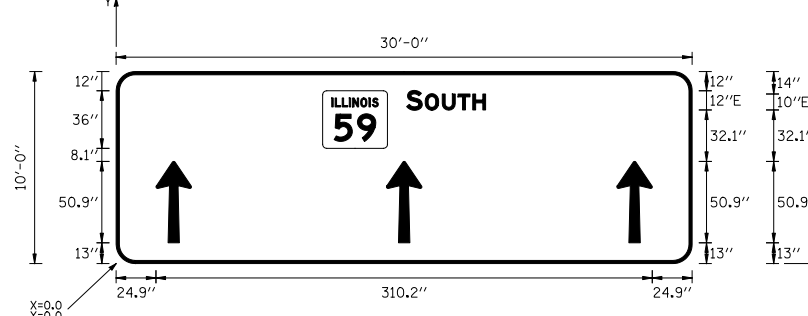
SYMBOL	ROT	X	Y	WID	HT
R3-SL	0	57	12	30	36

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

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
E	A	S	T									E 2000
52.9	63.1	74.4	83.6								38.3	12,10
D	I	E	H	I	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: White/White

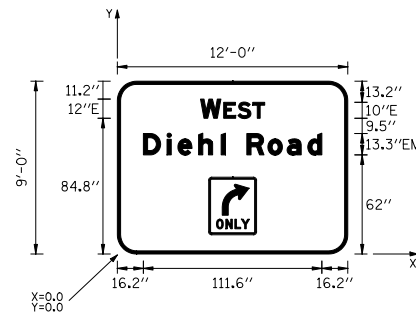
SYMBOL	ROT	X	Y	WID	HT
MI-H004-2-32-ISO	0	129.1	72	40.5	36
AR Type A - Extended	0	24.9	13	22.2	50.9
AR Type A - Extended	0	168.9	13	22.2	50.9
AR Type A - Extended	0	318	13	13.3	50.9

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

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)						LENGTH	SERIES/SIZE
S	O	U	T	H			E 2000
181.6	193.1	203.8	213.6	222.8		49.4	12,10

SIGN DETAIL
1:75



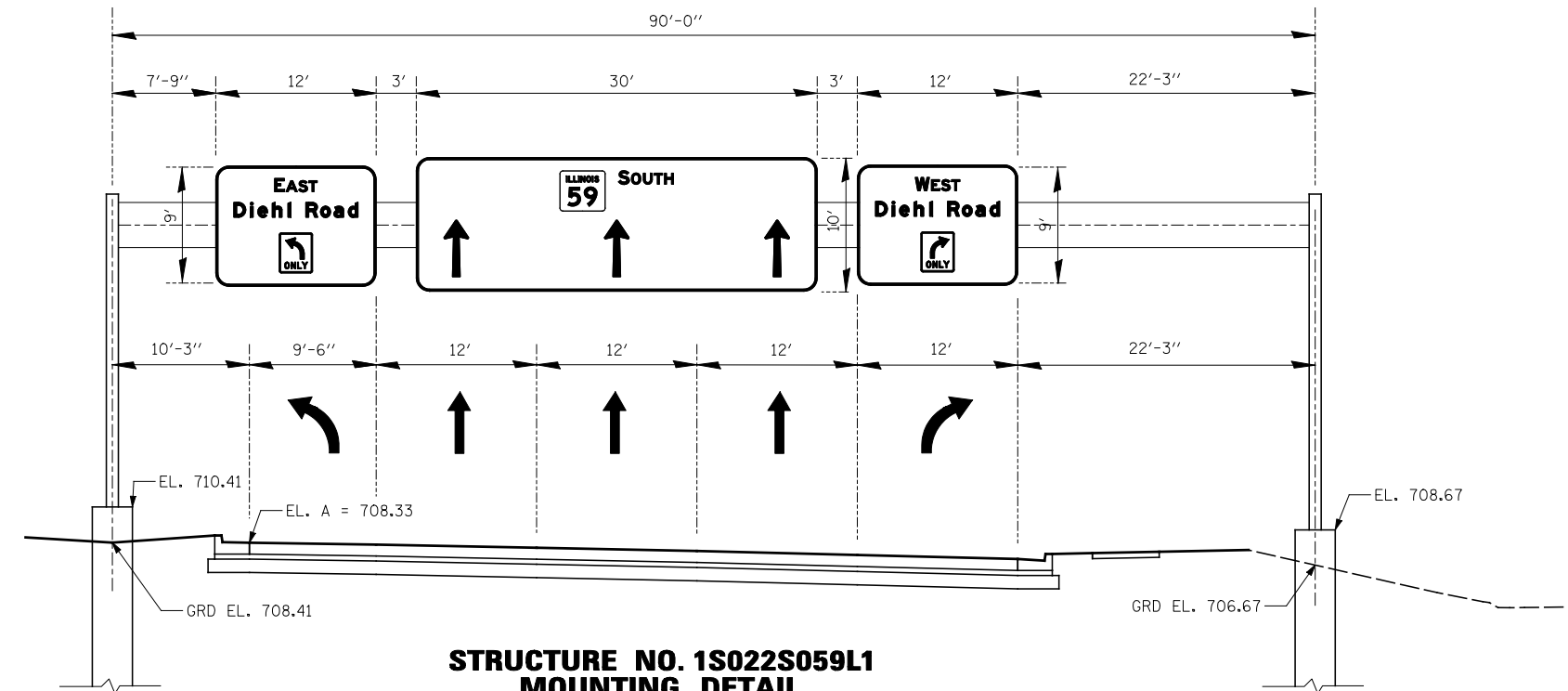
SIGN NUMBER	SB-IL59-TR-9
WIDTH x HGHT.	12'-0" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
R3-SR	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)											LENGTH	SERIES/SIZE
W	E	S	T									E 2000
52	66.5	75.4	84.6								40.1	12,10
D	I	E	H	I	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)**

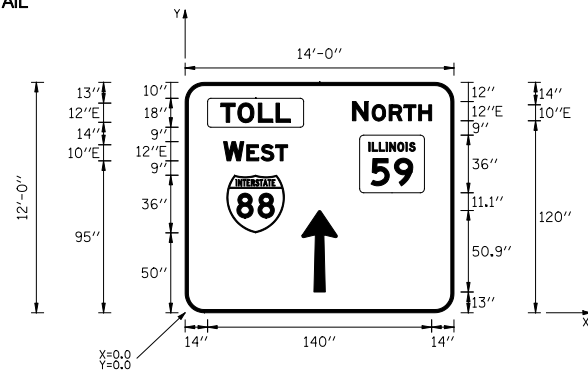
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\$FILEL#		DRAWN KES	REVISED -
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	PLOT DATE = \$DATE*	DATE 10/15/2012	REVISED -

**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

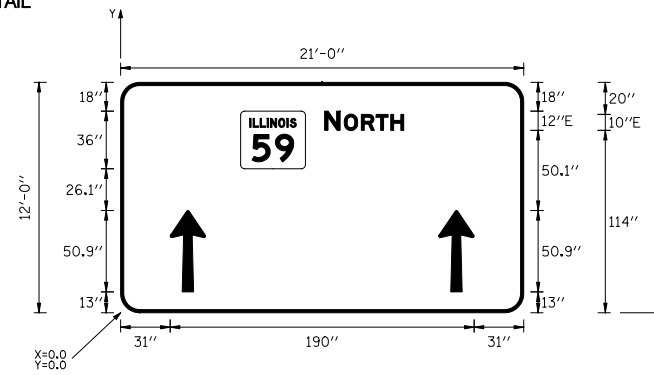
Letter locations are panel edge to lower left corner

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 /BlackWhite

SYMBOL	ROT	X	Y	WID	HT
M1-100A-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

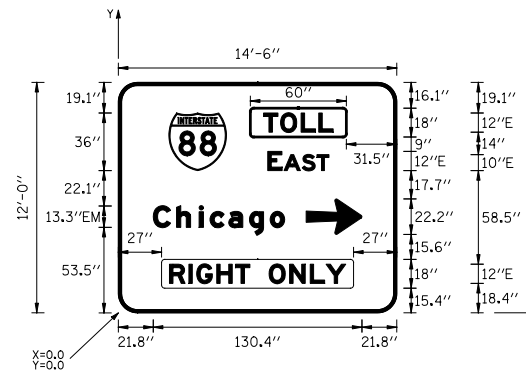
Letter locations are panel edge to lower left corner

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
M1-100A-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



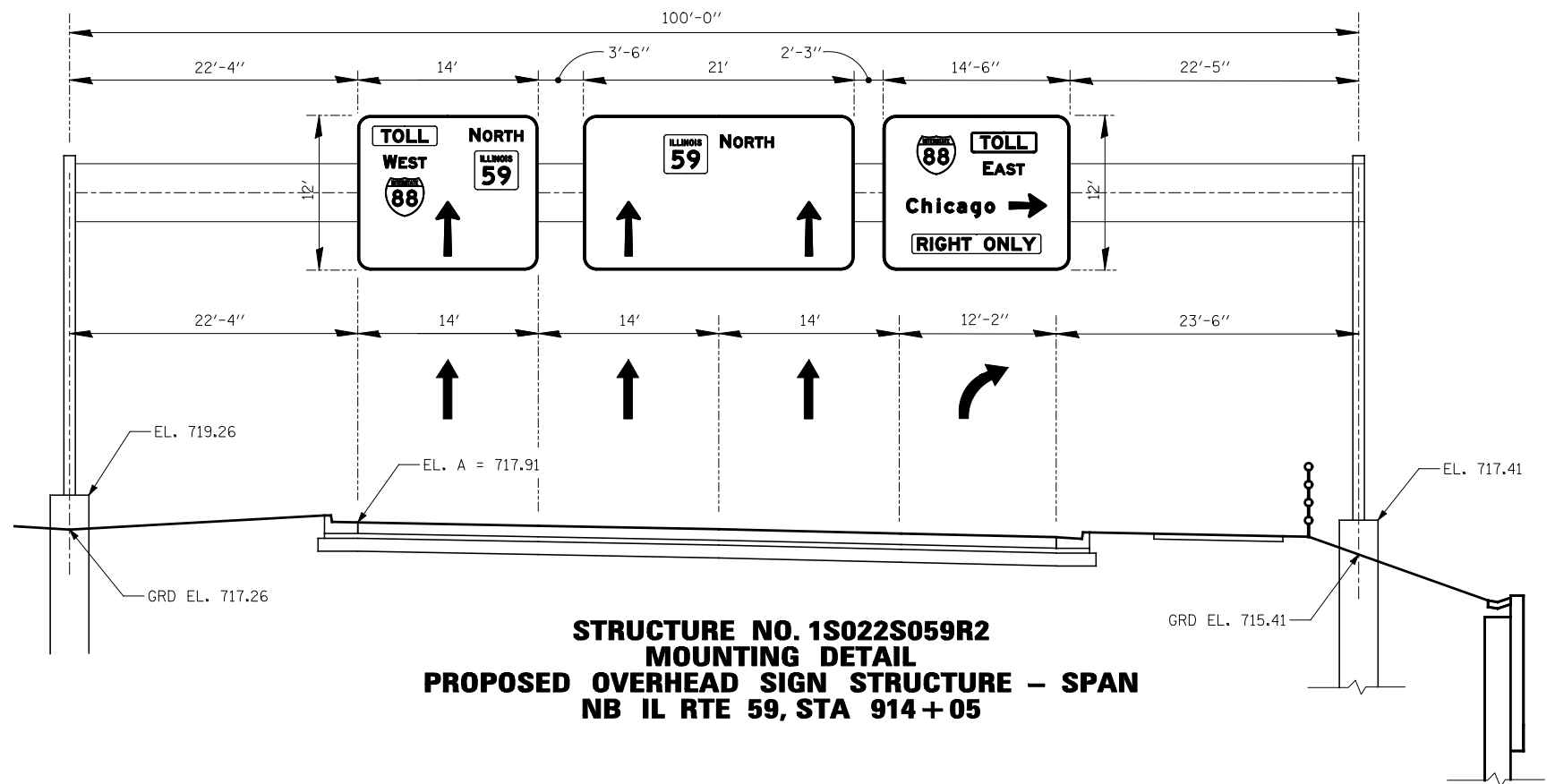
Panel Style: *guide_exp_advance_intermediate.ssi*
Dimensions are in Inches.tenths

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 /BlackWhite

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 <i>PJO</i>	REVISED -
#FILEL#		DRAWN <i>KES</i>	REVISED -
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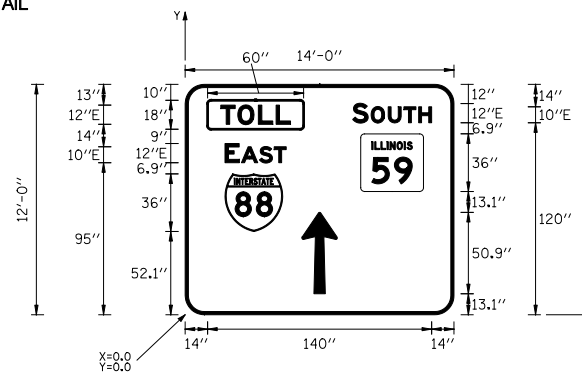
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGN STRUCTURES
SPAN 1S022S059R2 (IDOT)**

SCALE: 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. 60131				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL
1:75



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

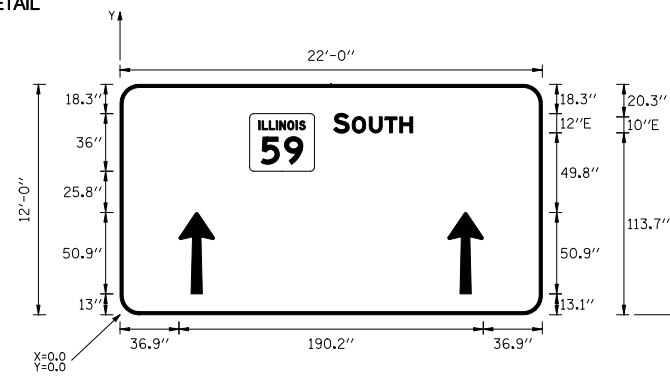
Letter locations are panel edge to lower left corner

SIGN NUMBER	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/BlackWhite

SYMBOL	ROT	X	Y	WID	HT
M1-100A-2-22-100	0	108.7	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

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



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

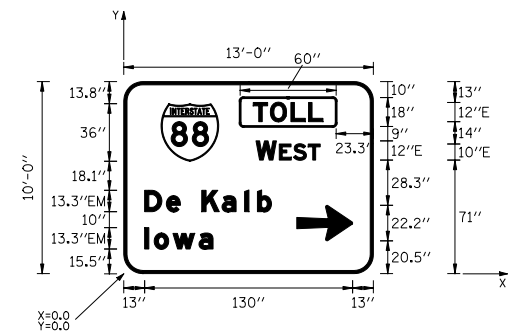
Letter locations are panel edge to lower left corner

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
M1-100A-2-32-150	0	81.1	89.7	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

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



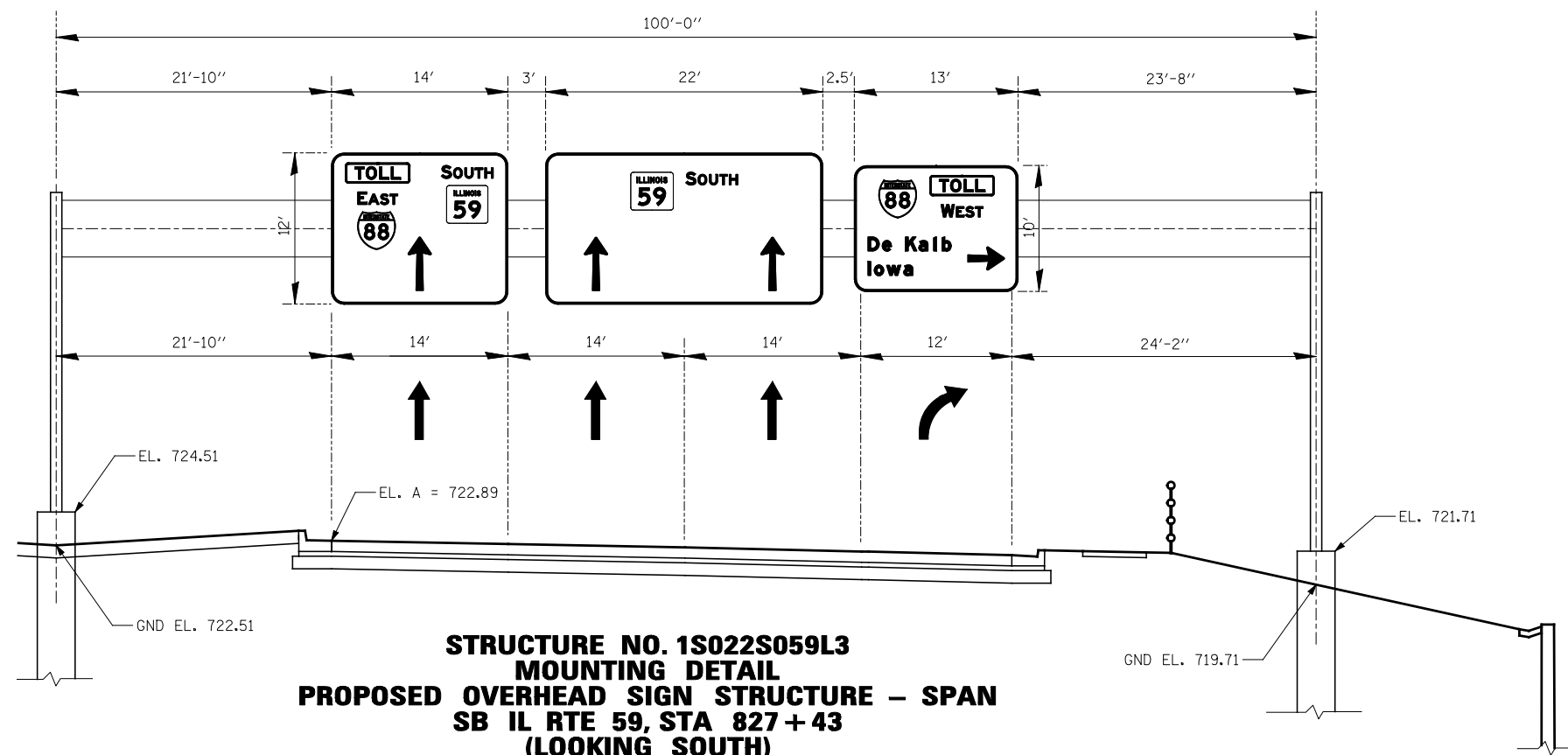
Panel Style: *guide_exp_advance_intermediate.ssi*
Dimensions are in *inches.tenths*

Letter locations are panel edge to lower left corner

SIGN NUMBER	SB-IL59-TR6
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/BlackWhite

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

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	I	b	EM 2000	
13	26.6	35.4	48.7	61.4	75.5	79.3	13.310
I	o	w	a			EM 2000	
13	19	30.7	47			42.8	13.310



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

FILE NAME =	USER NAME = *USER*	DESIGNED <i>PJO</i>	REVISED -
*FILEL#		DRAWN <i>KES</i>	REVISED -
	PLOT SCALE = *SCALE*	CHECKED <i>JCM</i>	REVISED -
	PLOT DATE = *DATE*	DATE <i>10/15/2012</i>	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. 60131				
ILLINOIS FED. AID PROJECT				

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.
f_y = 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 Specifications.

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.

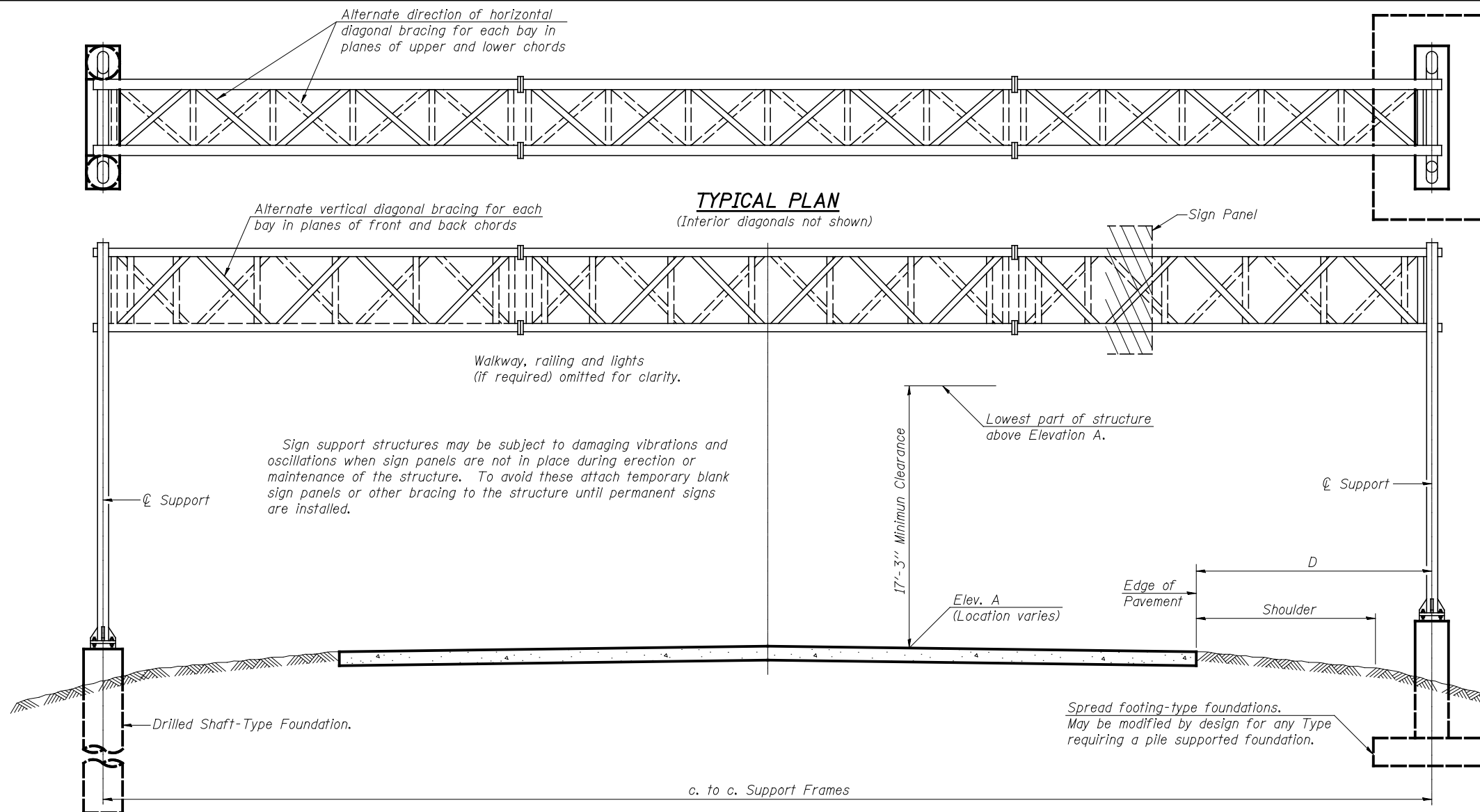
CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Bridge Seat Sealer in accordance with the Standard Specifications.

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



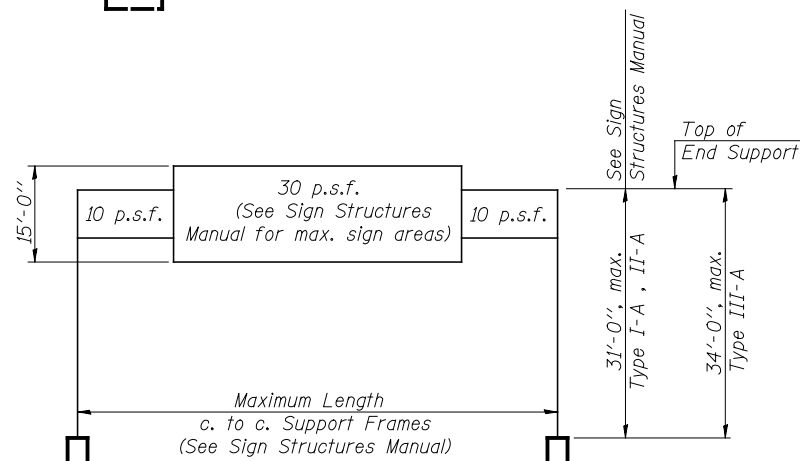
TYPICAL PLAN
(Interior diagonals not shown)

TYPICAL ELEVATION
(Looking at Face of Signs)**)

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
IS022S059L1	810+00	II-A	90	708.33	22.25	10'-0"	516
IS022S059R2	914+05	II-A	100	717.91	23.50	12'-0"	594
IS022S059L3	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.



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.

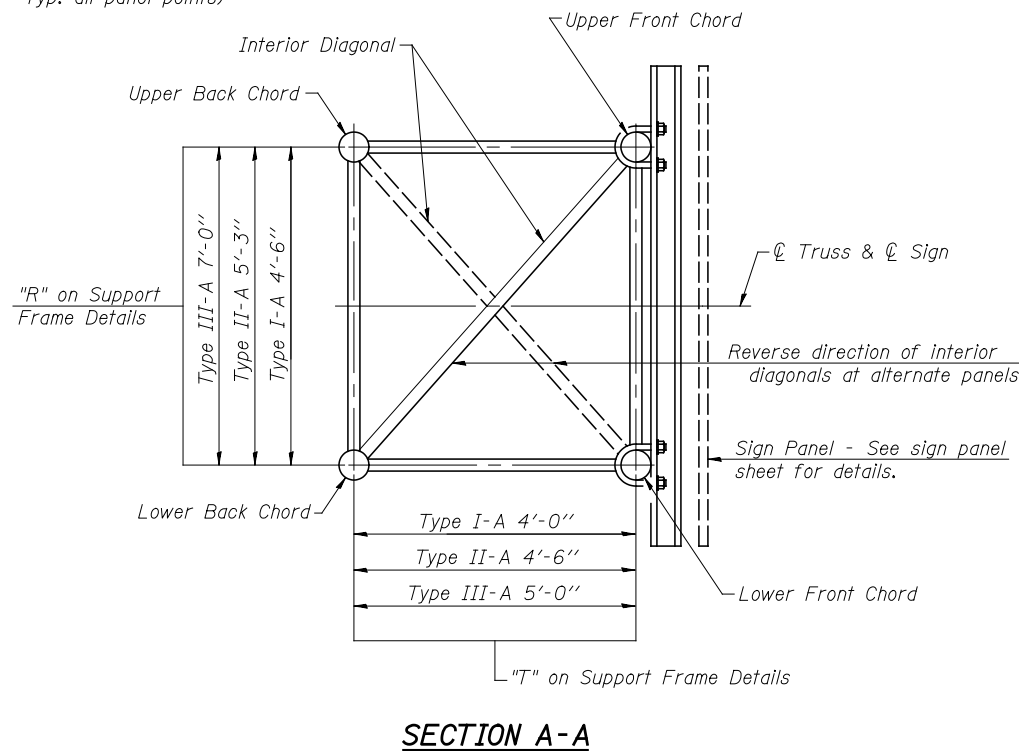
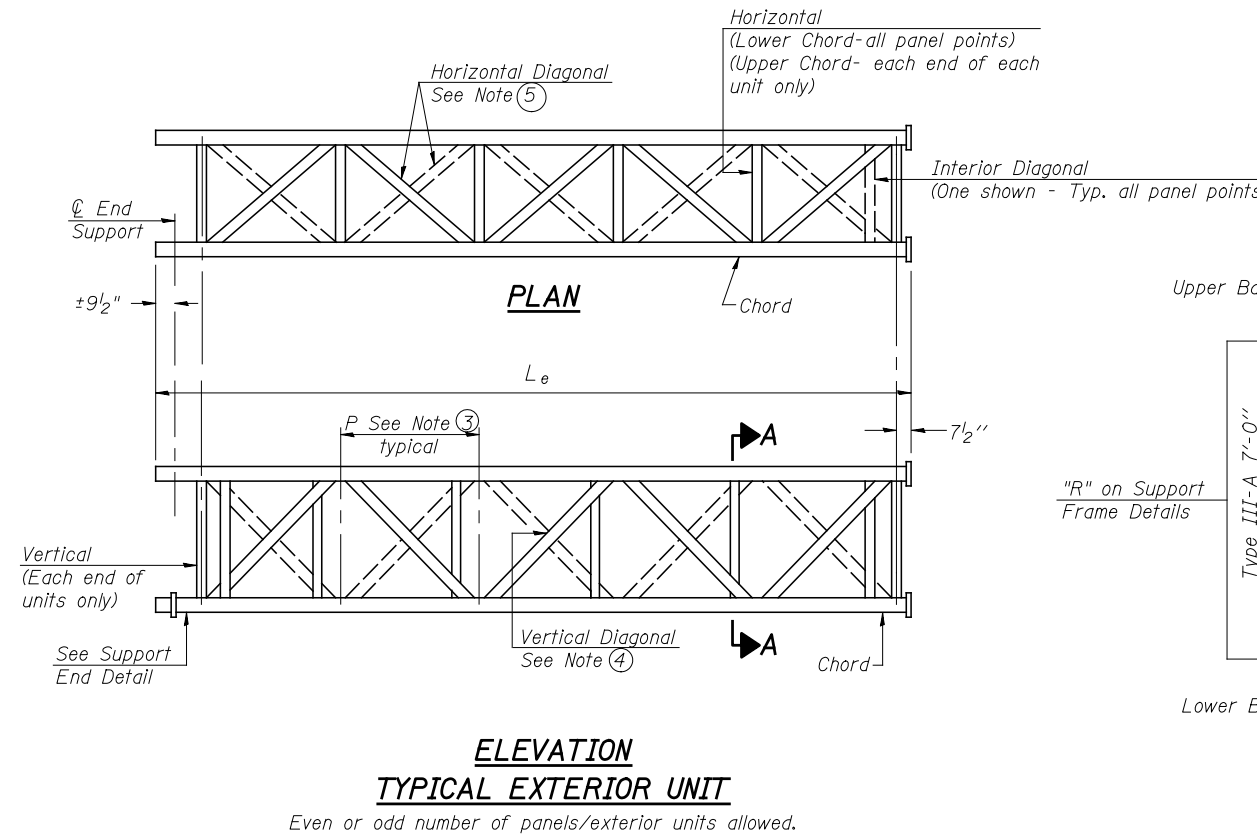
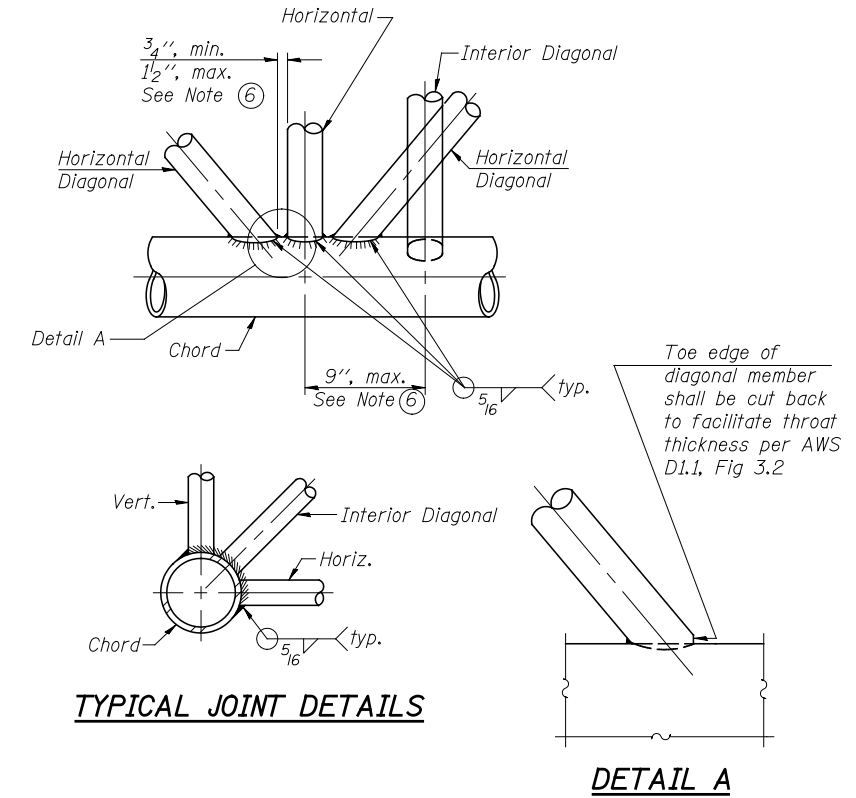
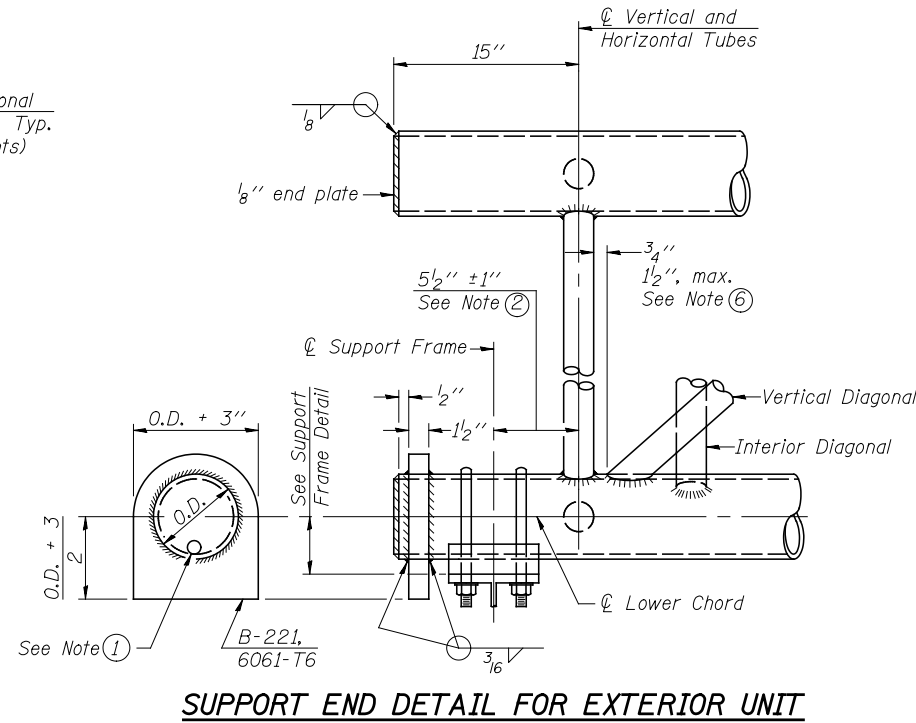
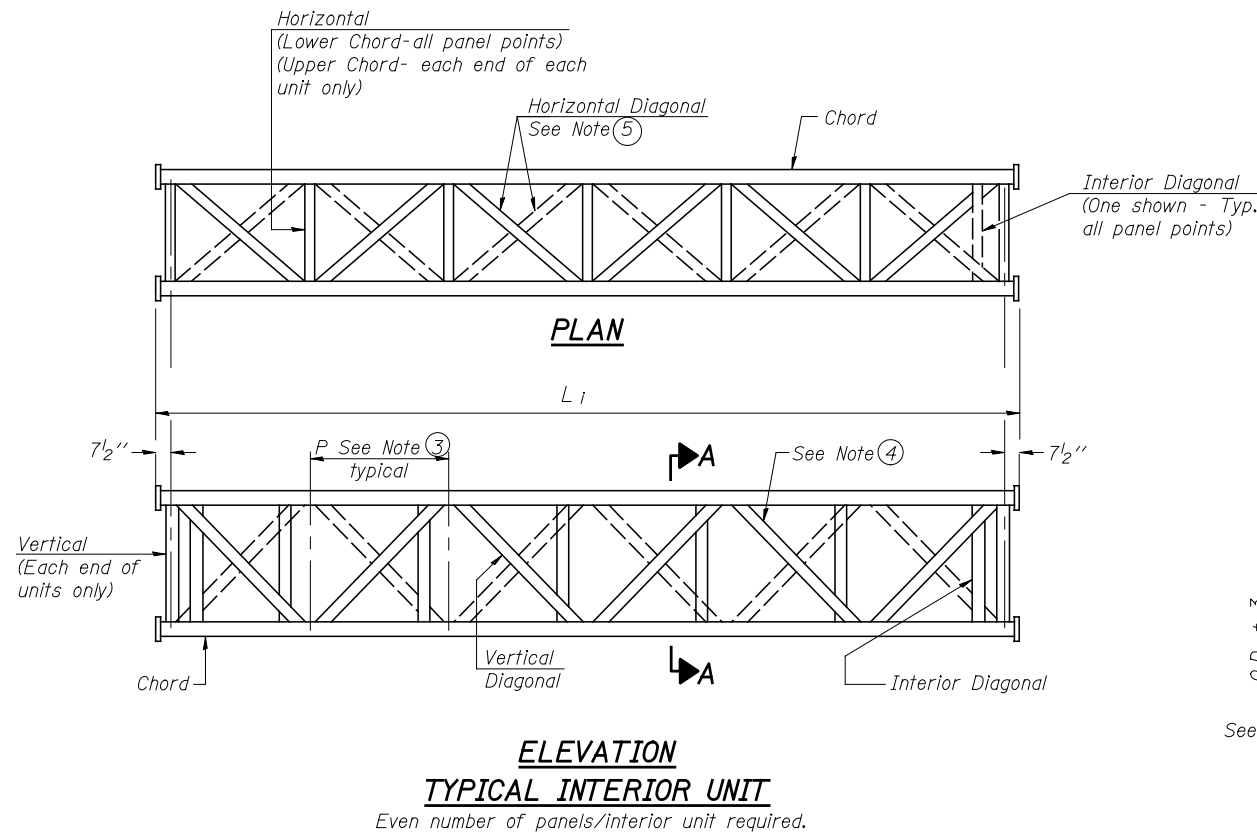
OS-A-1 6-1-12

FILE NAME =	USER NAME = \$USER*	DESIGNED PJO	REVISED -
\$FILEL\$		DRAWN KES	REVISED -
		CHECKED JCM	REVISED -
		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	



- ① Contractor may alternatively use standard aluminum drive-fit cap to close end. 1/2" φ drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
- ② 5 1/2" 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 3/4" minimum to 1 1/2" 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 =	USER NAME = \$USER*	DESIGNED PJO	REVISED -
\$FILEL#		DRAWN KES	REVISED -
		CHECKED JCM	REVISED -
		DATE 10/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

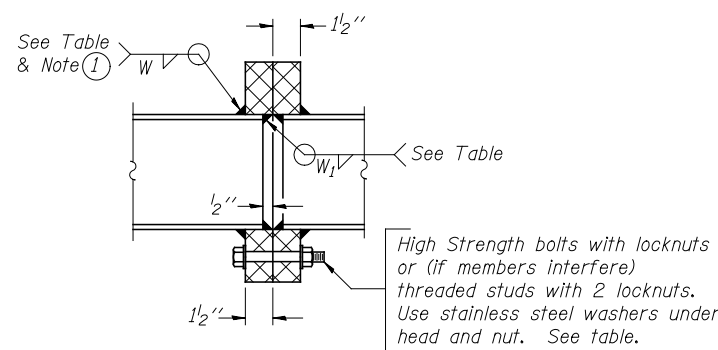
**OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS
DETAILS FOR TRUSS TYPES I-A, II-A AND III-A**

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				

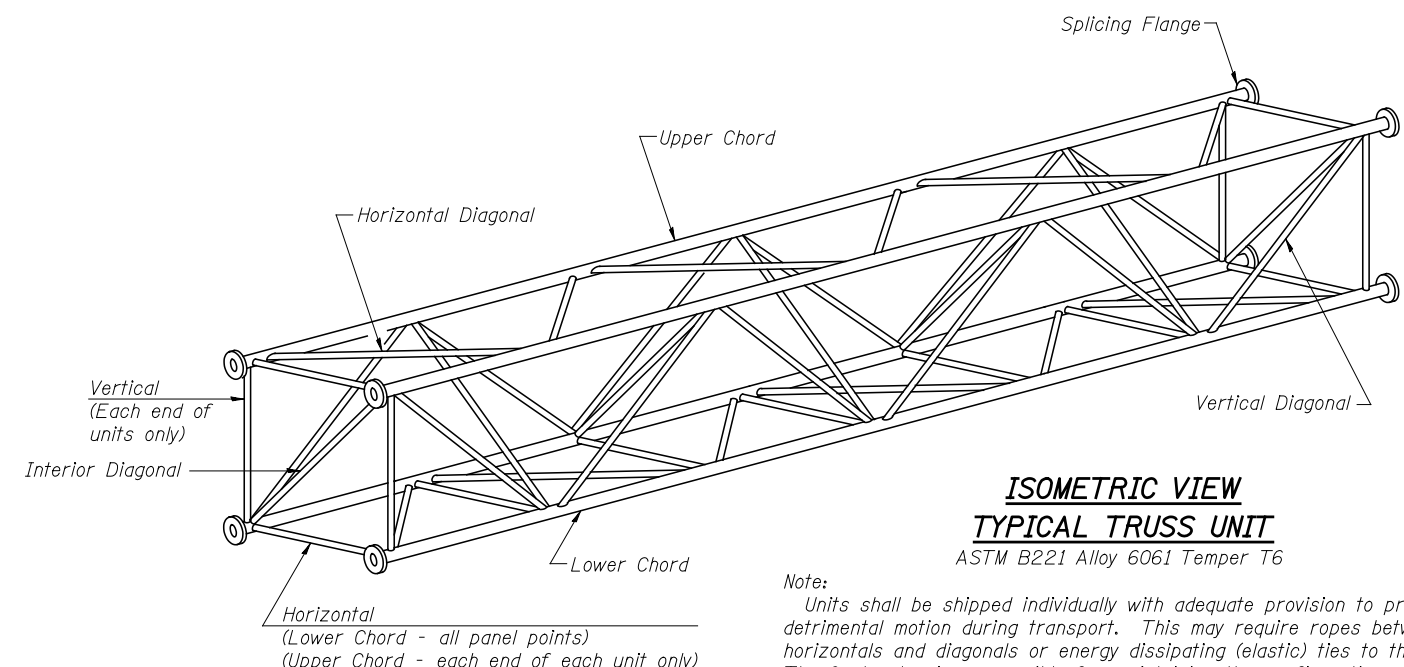
TRUSS UNIT TABLE

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'-11 1/2"	5'-5"	1	6	33'-9"	5'-5"	5 1/2"	5/16"	3"	5/16"	2 1/2"	6	7/8"	3/8"	1/4"	9 1/4"	12 1/4"
IS022S059R2	914+05	II-A	6	34'-1 1/2"	5'-4 1/2"	1	6	33'-6"	5'-4 1/2"	6"	5/16"	3"	5/16"	3"	6	7/8"	3/8"	1/4"	10 1/4"	13 3/4"
IS022S059L3	827+43	II-A	6	34'-1 1/2"	5'-4 1/2"	1	6	33'-6"	5'-4 1/2"	6"	5/16"	3"	5/16"	3"	6	7/8"	3/8"	1/4"	10 1/4"	13 3/4"



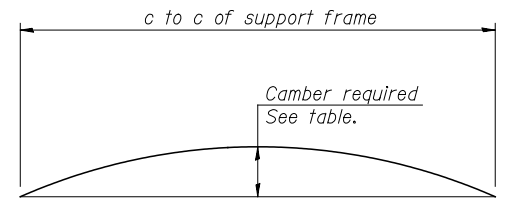
SECTION B-B

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

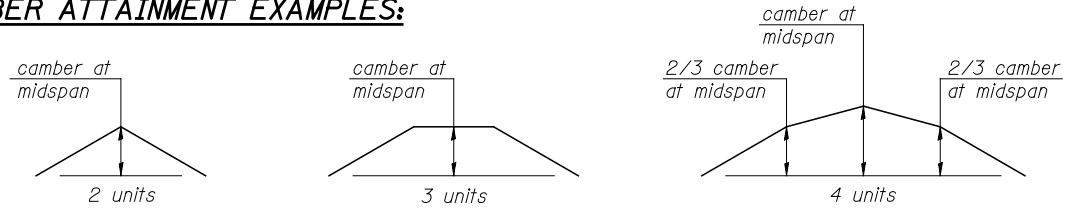
Note:
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection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



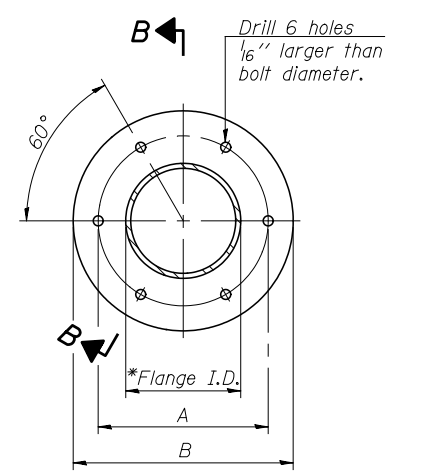
CAMBER DIAGRAM

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

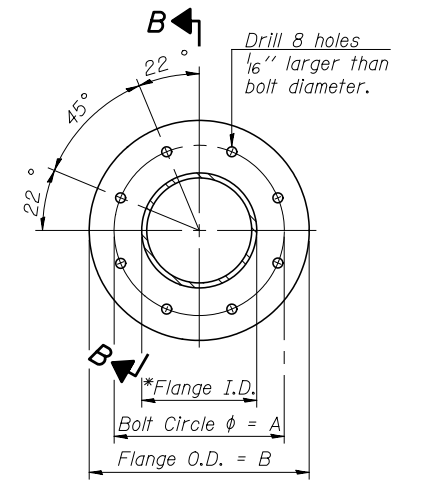
CAMBER ATTAINMENT EXAMPLES:



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

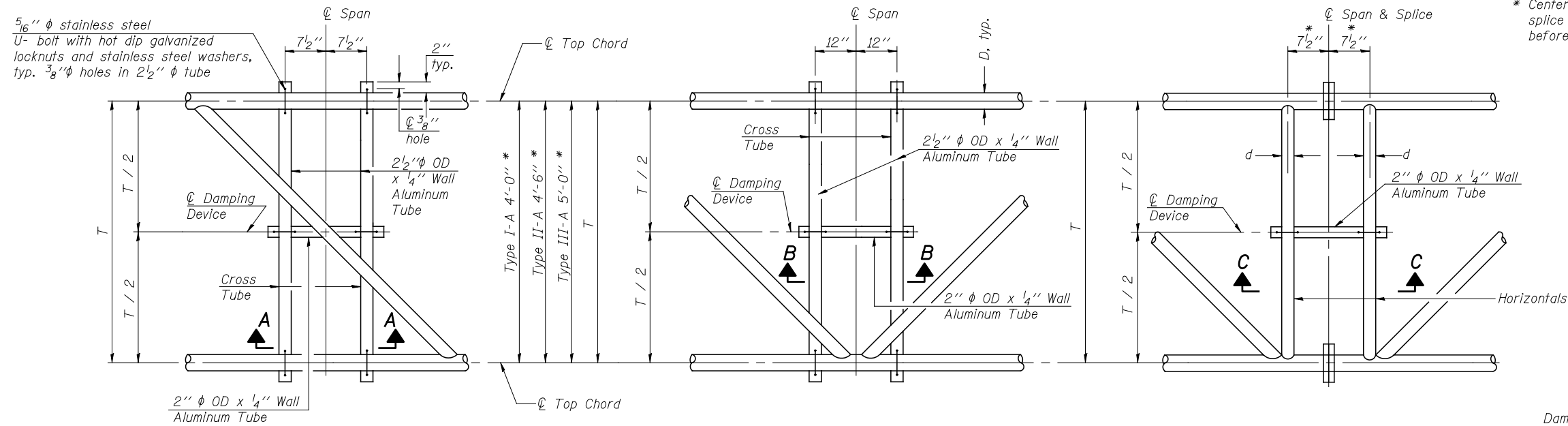
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\$FILE#		DRAWN KES	REVISED -
		CHECKED JCM	REVISED -
		DATE 10/15/2012	REVISED -

**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. 60I31				
ILLINOIS FED. AID PROJECT				



PLAN DETAIL "A"
 ☉ Span between Panel Points

PLAN DETAIL "B"
 ☉ Span at Panel Point

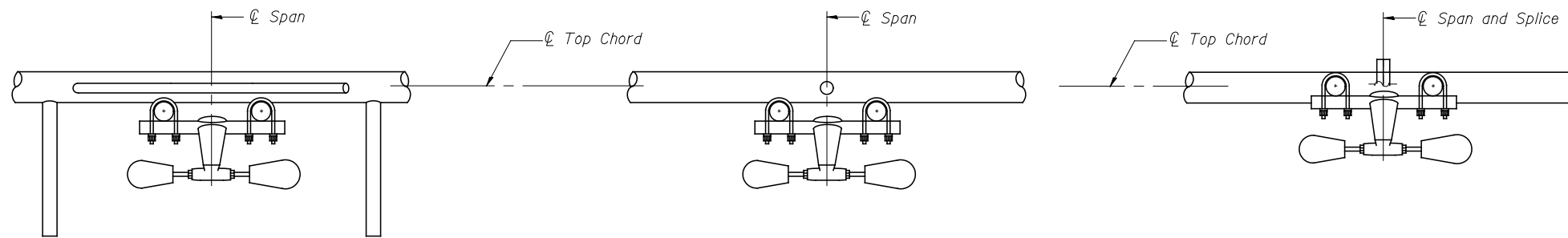
PLAN DETAIL "C"
 ☉ Span at ☉ Chord Splice

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

NOTES

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

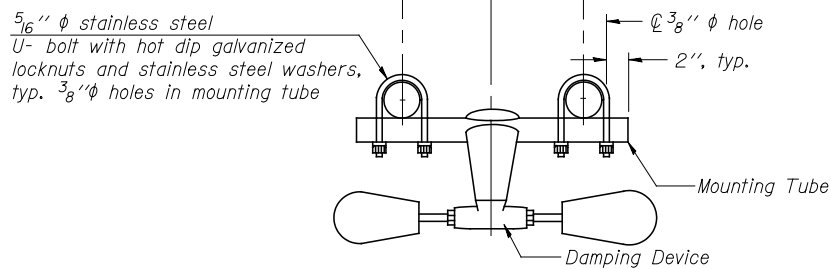
Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



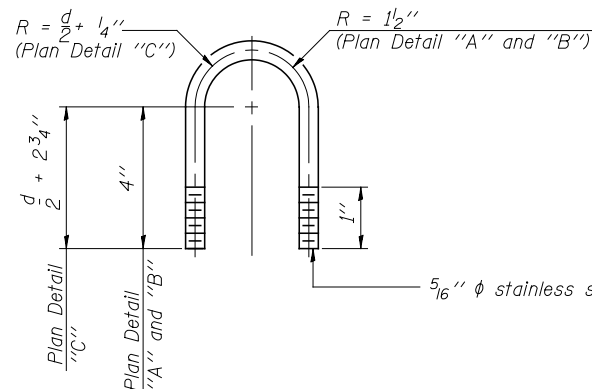
SECTION A-A

SECTION B-B

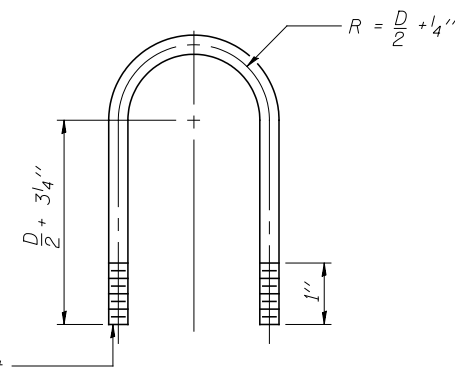
SECTION C-C



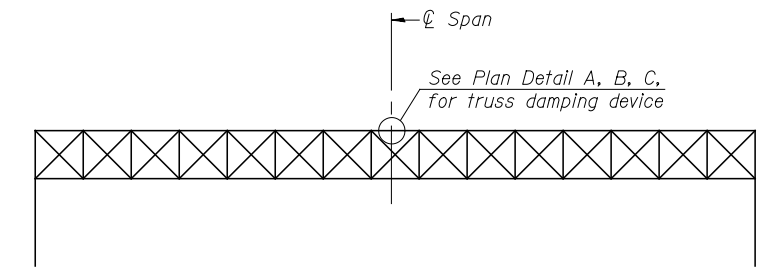
TRUSS DAMPING DEVICE CONNECTION DETAIL
 (Typical)



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

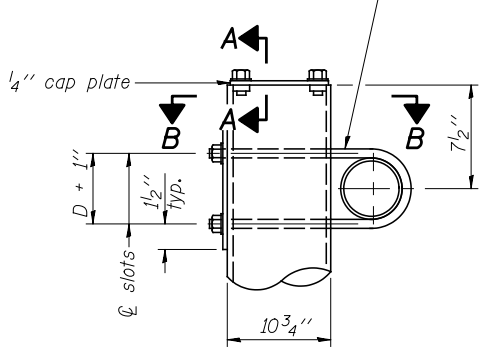
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURE
 DAMPING DEVICE**

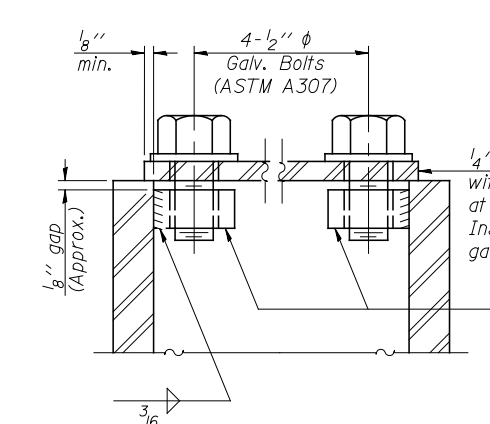
SCALE: SHEET NO. 7 OF 15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	407
CONTRACT NO. 60I31				
ILLINOIS FED. AID PROJECT				

3/4" φ stainless steel U-bolt.
Provide two washers and two hexagon locknuts. ④
13/16" x 2" slots on 10" φ pipe.
(4 slots required per pipe)

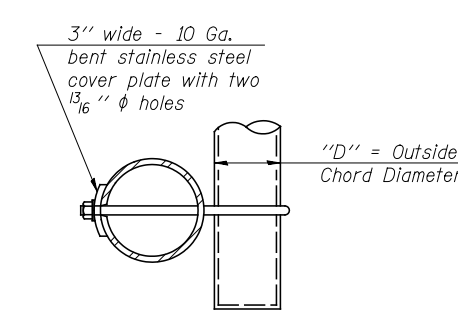


DETAIL A

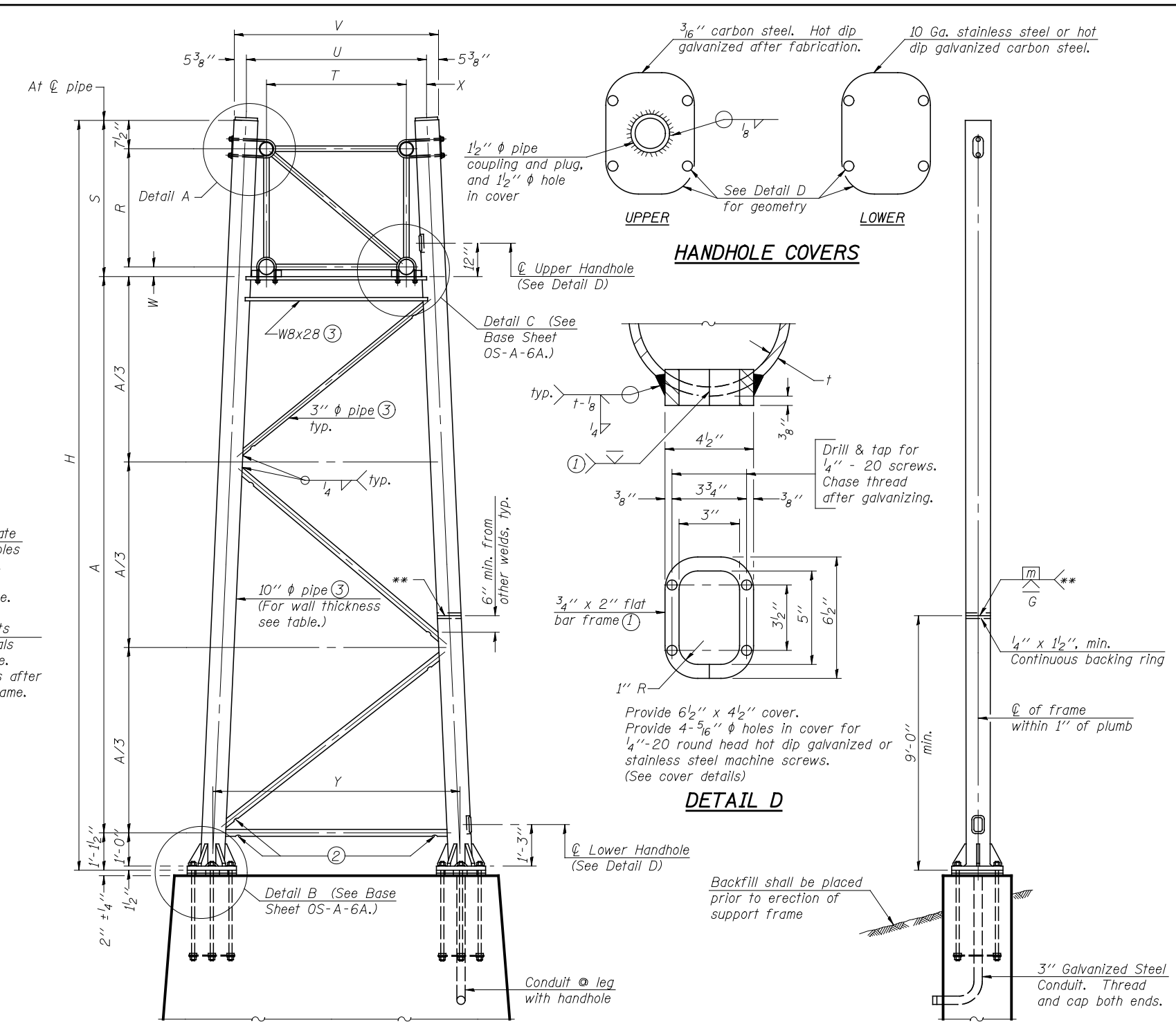


SECTION A-A

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

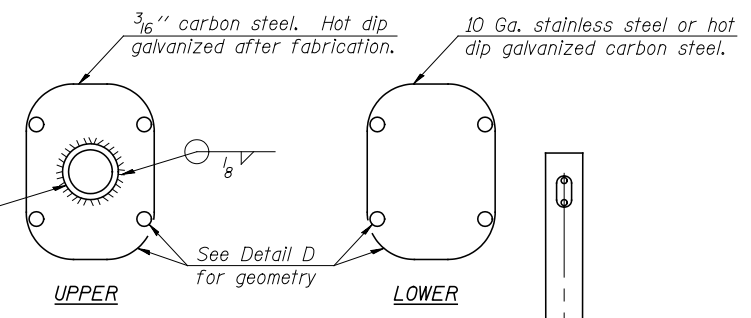


SECTION B-B

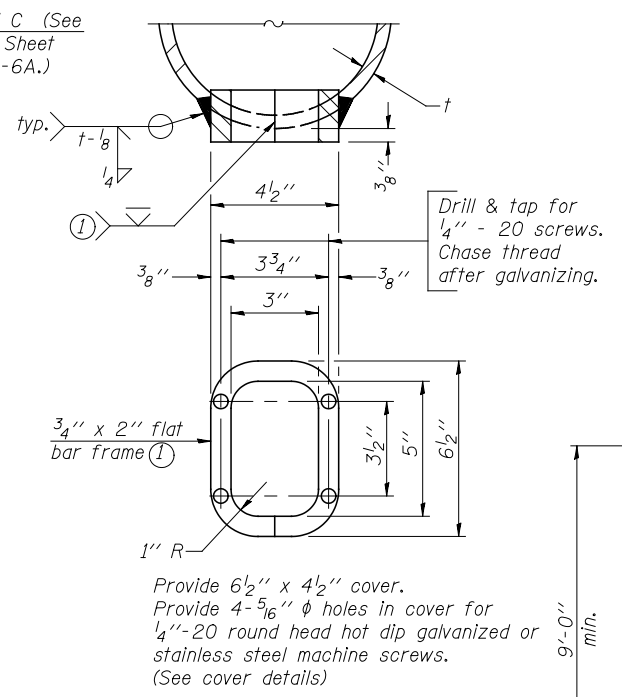


For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION

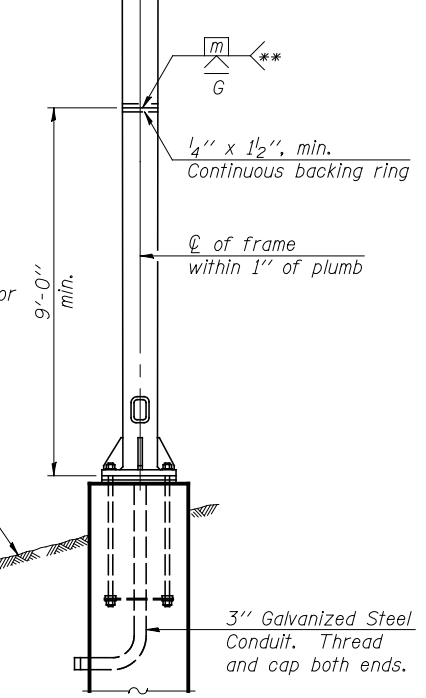


HANDHOLE COVERS



DETAIL D

Backfill shall be placed prior to erection of support frame



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.

OS-A-6

6-1-12

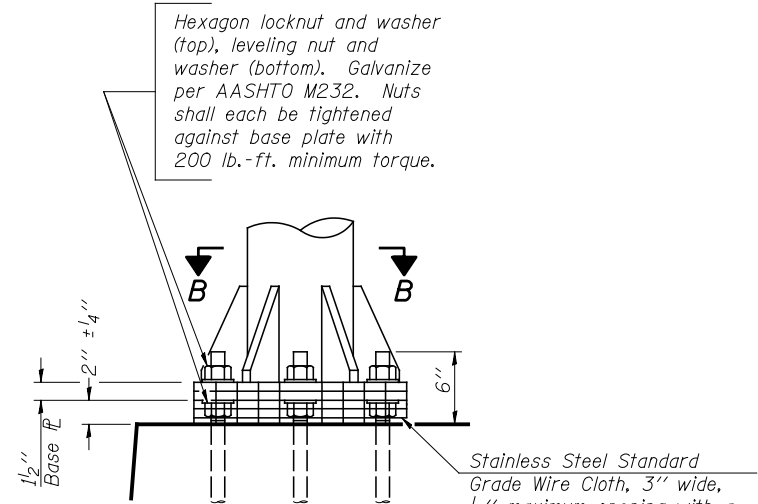
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#FILE#		DRAWN KES	REVISED -
		CHECKED JCM	REVISED -
		DATE 10/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

OVERHEAD SIGN STRUCTURES SUPPORT FRAME FOR ALUMINUM TRUSS			
SCALE:	SHEET NO. 8 OF 15 SHEETS	STA.	TO STA.

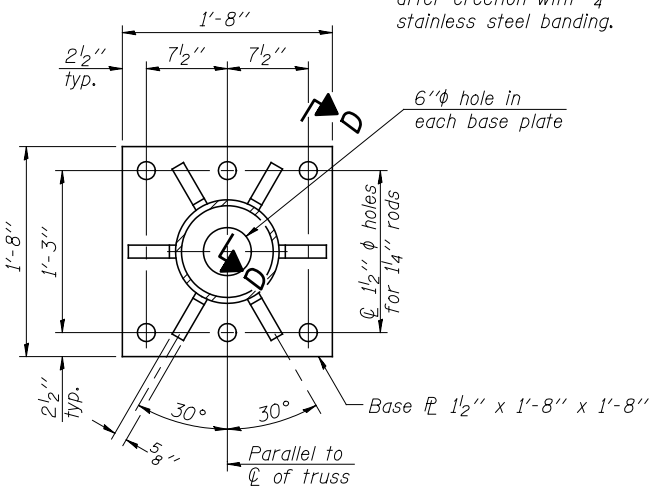
Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H ⑥	A
		Left	Right				
IS022S059L1	810+00	X		II-A	0.365	25.753	18.358
			X		0.365	27.493	20.098
IS022S059R2	914+05	X		II-A	0.365	26.483	19.088
			X		0.365	28.333	20.938
IS022S059L3	827+43	X		II-A	0.365	26.213	18.818
			X		0.365	29.013	21.618

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	408
CONTRACT NO. 60I31				
ILLINOIS FED. AID PROJECT				

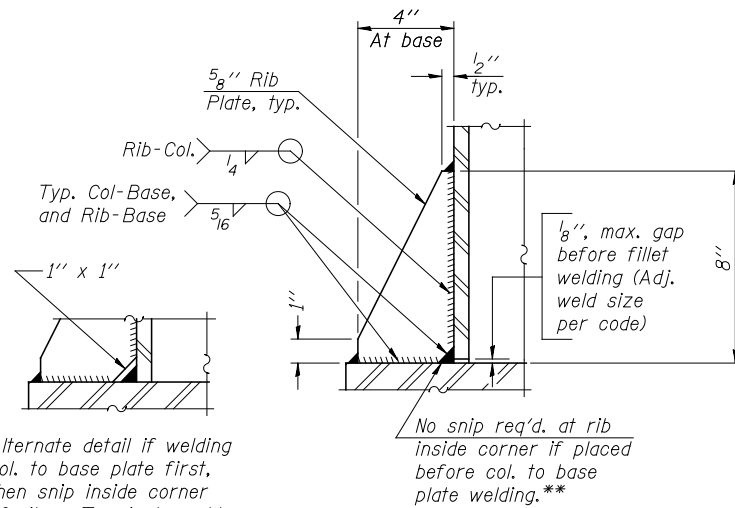


DETAIL B

Ribs shall be cut to fit slope of pipe.
Stainless Steel Standard Grade Wire Cloth, 3" wide, 1/4" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with 3/4" stainless steel banding.

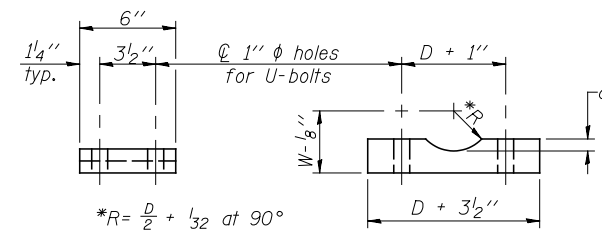


SECTION B-B



SECTION D-D

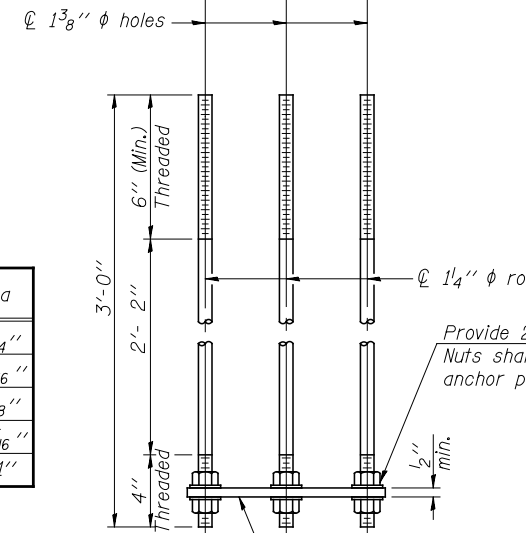
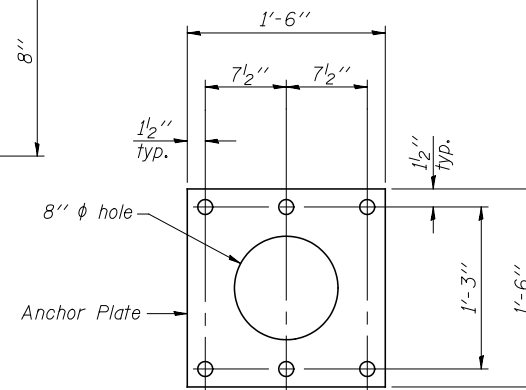
** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.



SADDLE SHIM DETAIL

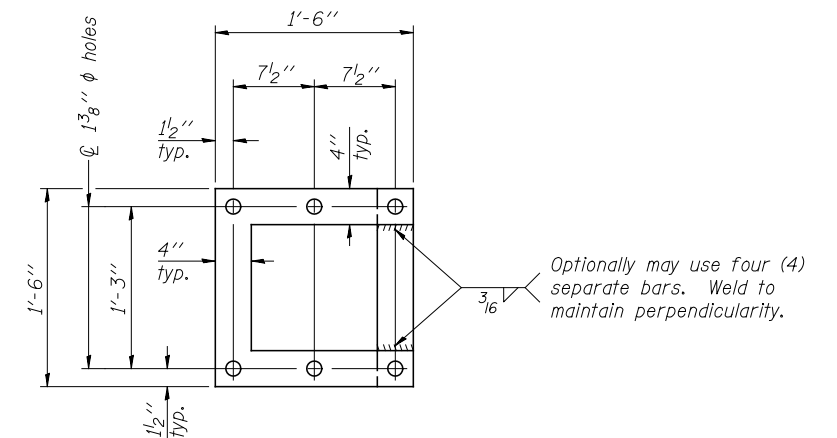
ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

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



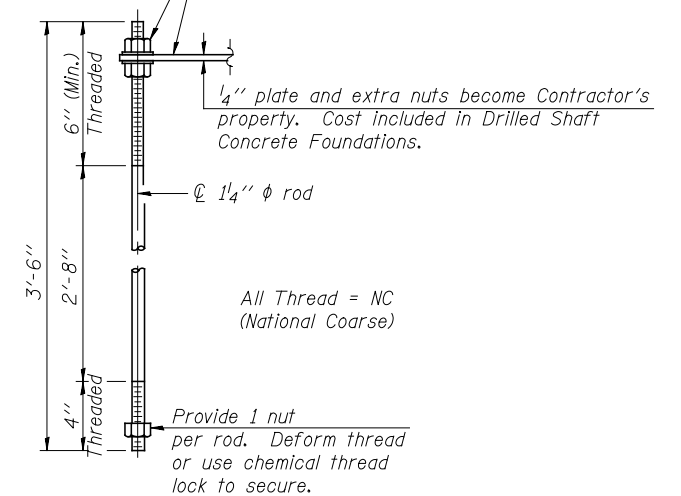
ANCHOR ROD DETAIL
Spread Footing Foundation

All Thread = NC
(National Coarse)



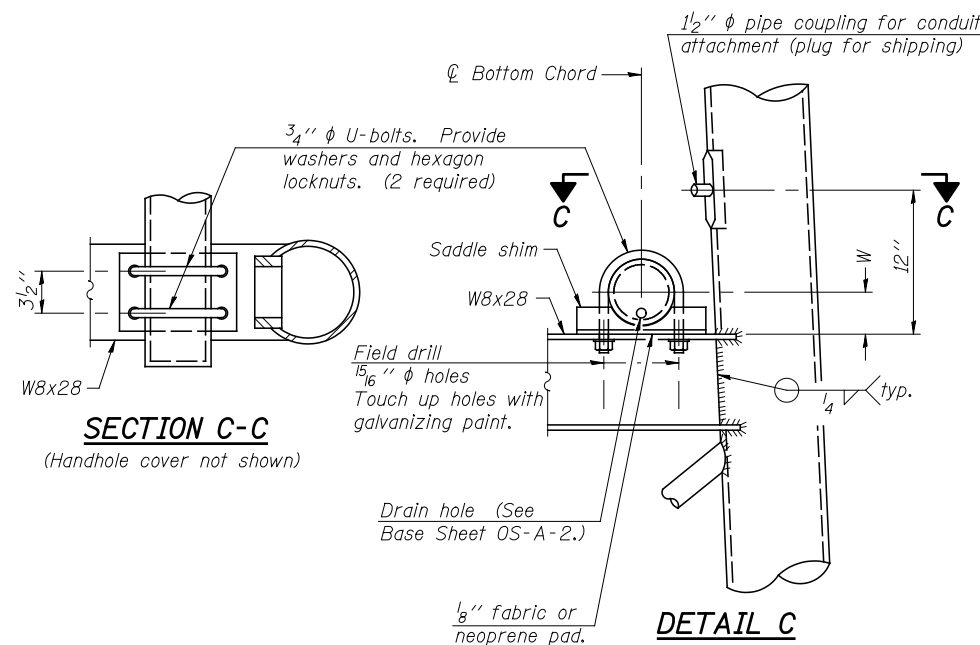
POSITIONING PLATE(S)

At each location, provide 1/4" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.



ANCHOR ROD DETAIL
Drilled Shaft Foundation

All Thread = NC
(National Coarse)



SECTION C-C

(Handhole cover not shown)

DETAIL C

10" Ø PIPE SUPPORT FRAME DETAILS

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

OS-A-6A

6-1-12

FILE NAME =	USER NAME = *USER*	DESIGNED PJO	REVISED -
*FILE#		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 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				

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.

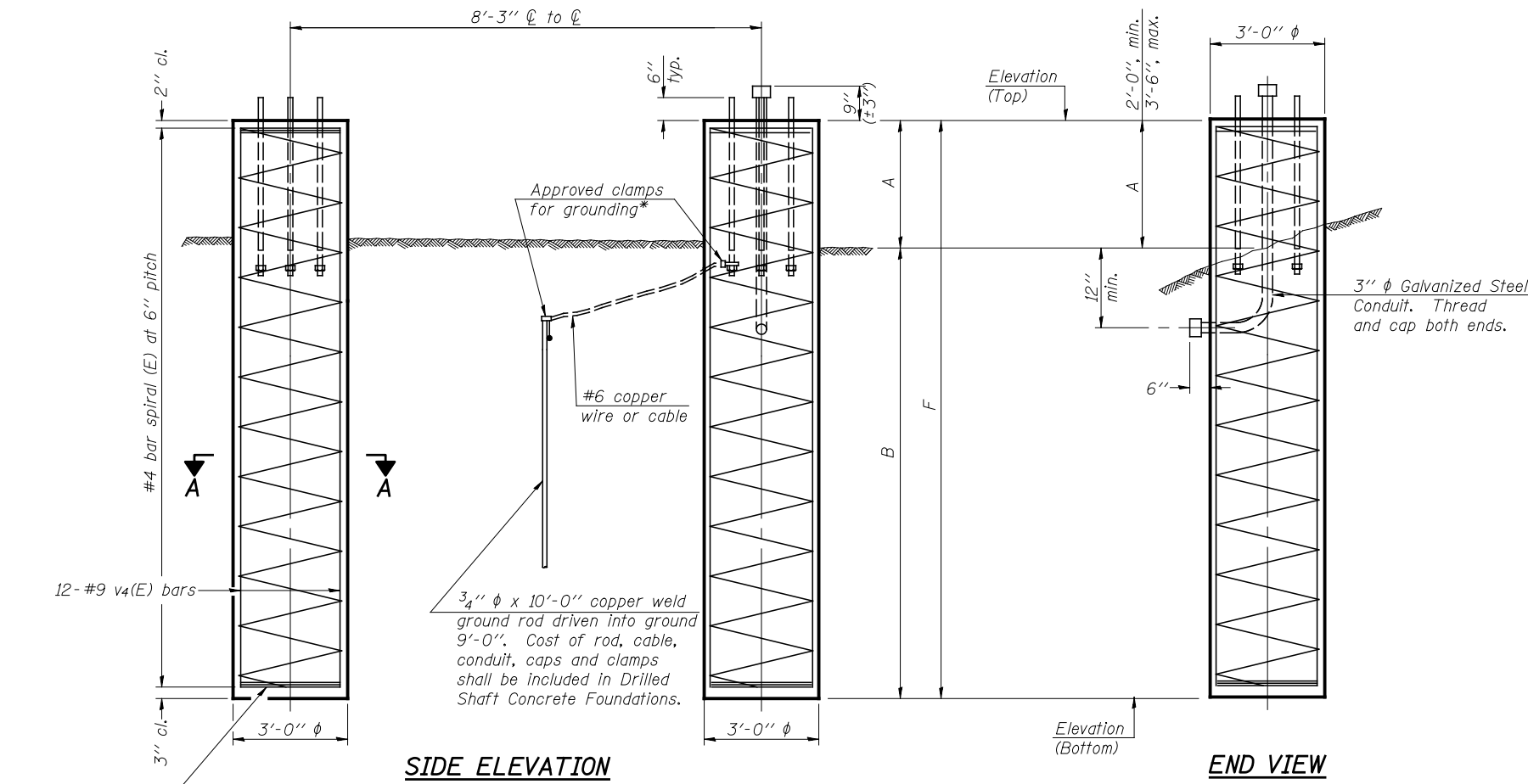
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District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

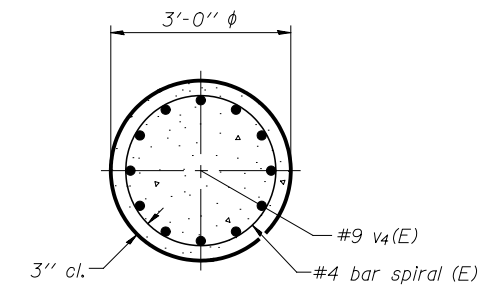
Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

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.

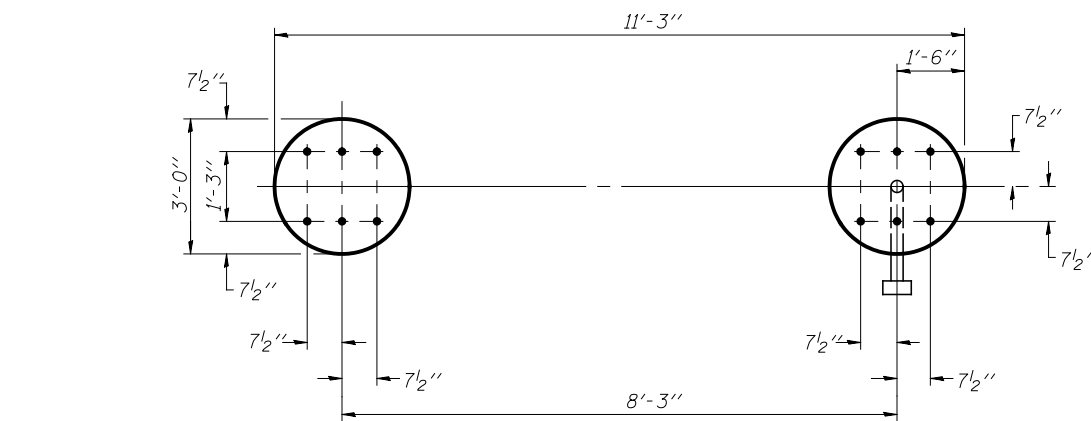


SIDE ELEVATION

END VIEW



SECTION A-A



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.

**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

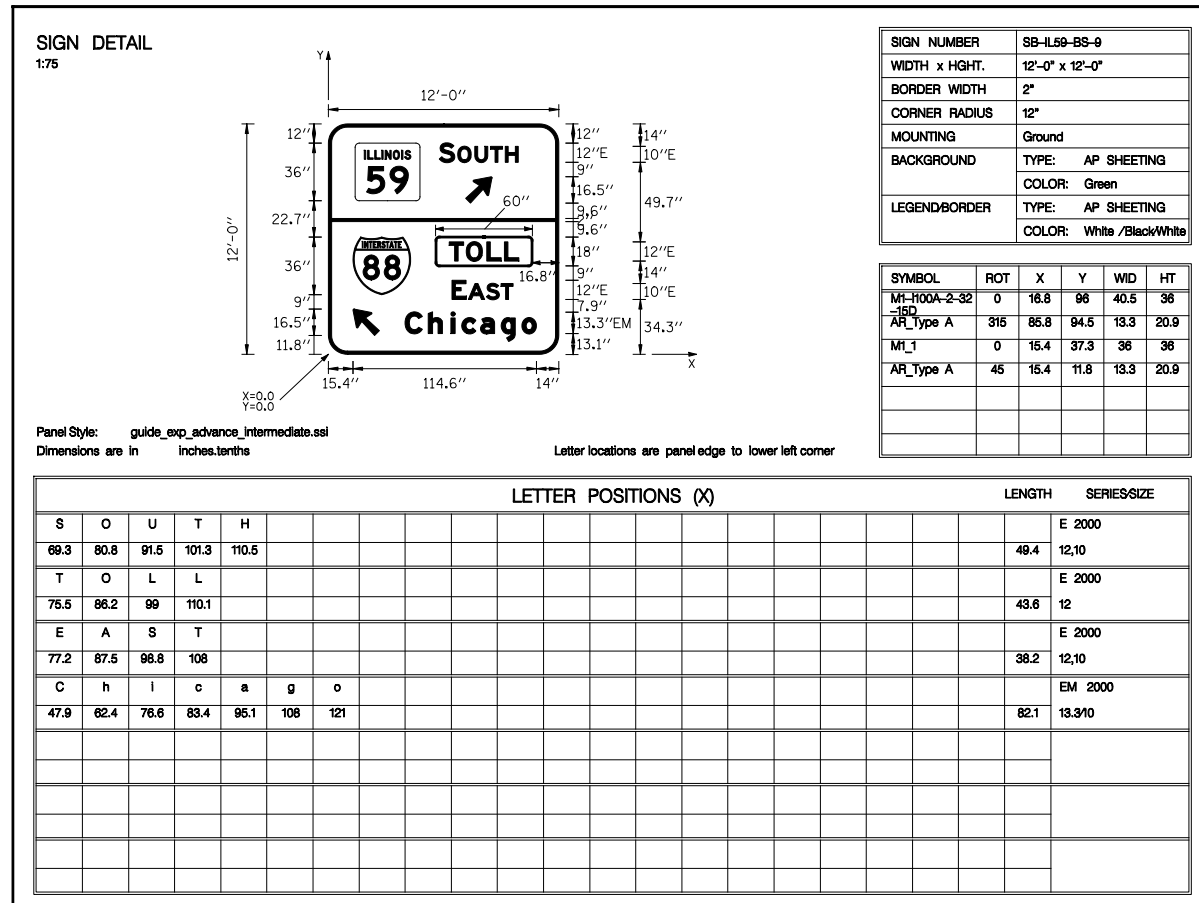
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#FILE#		DRAWN KES	REVISED -
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		DATE 10/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

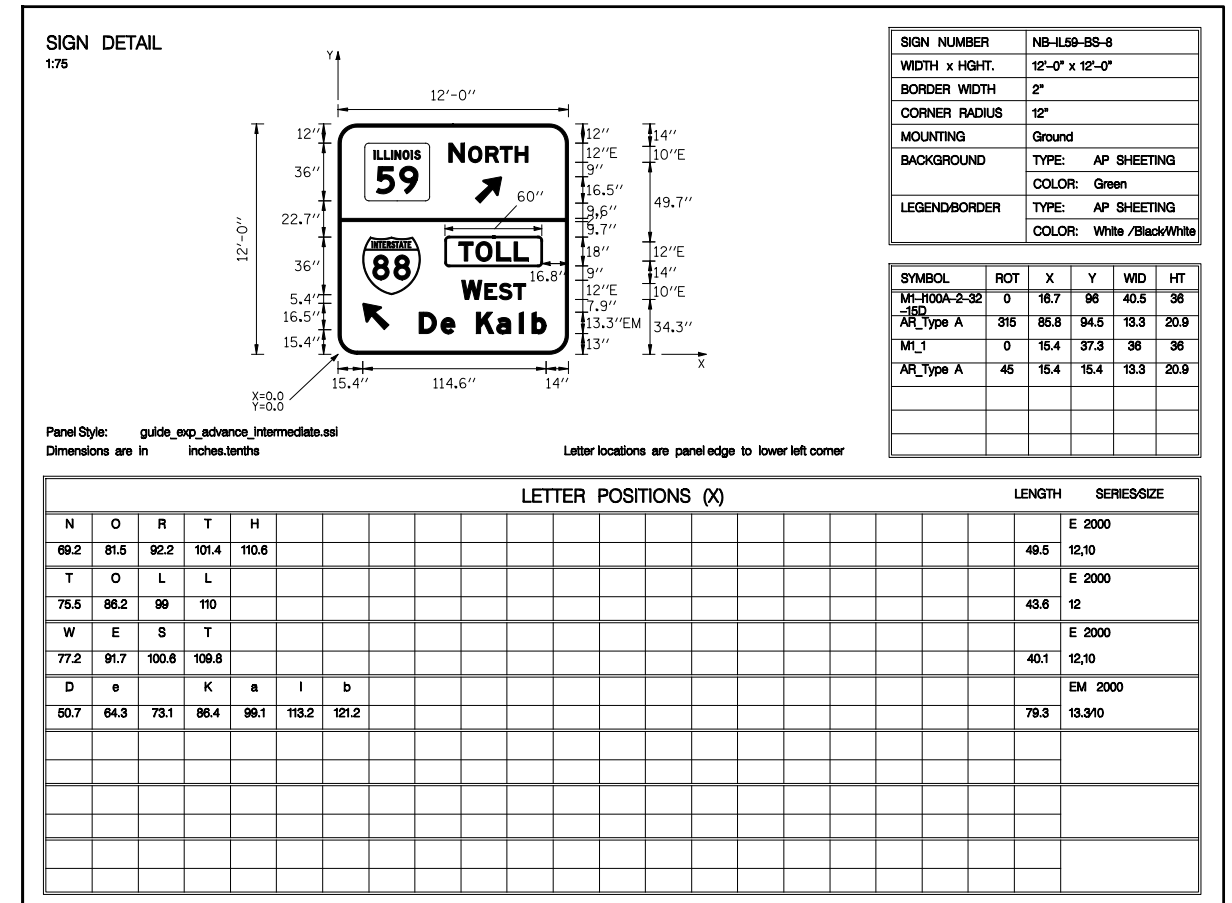
**OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS**

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

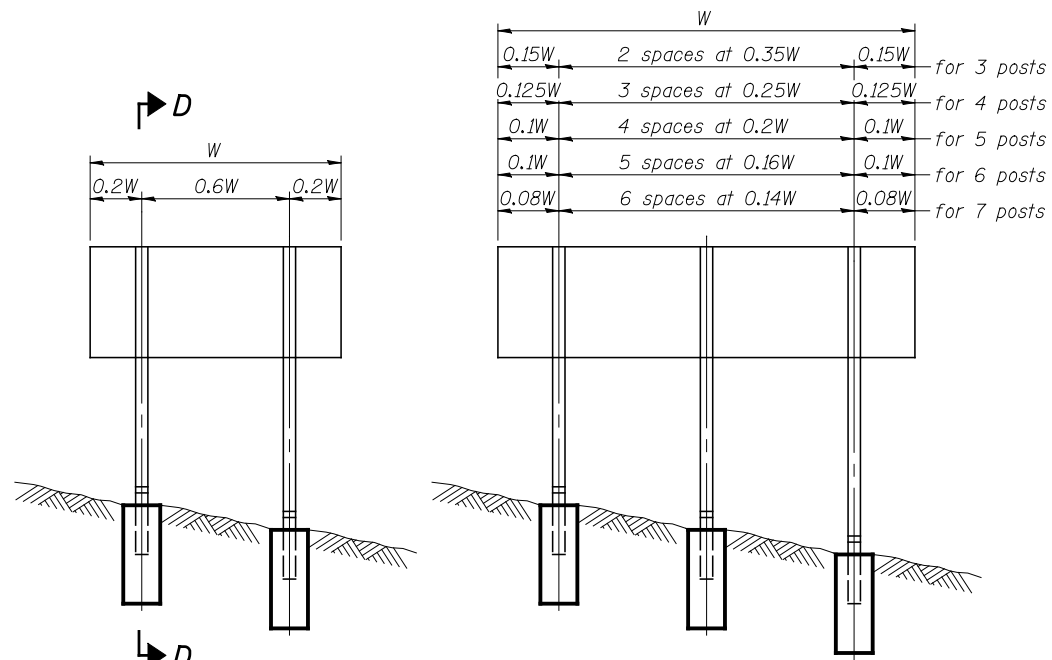
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	410
CONTRACT NO. 60131				
ILLINOIS FED. AID PROJECT				



GM01

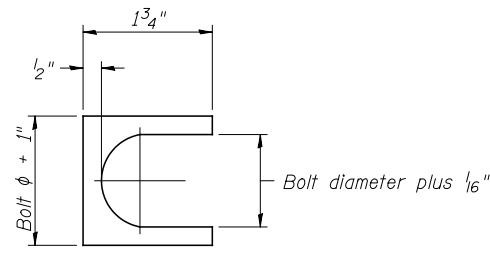


GM02



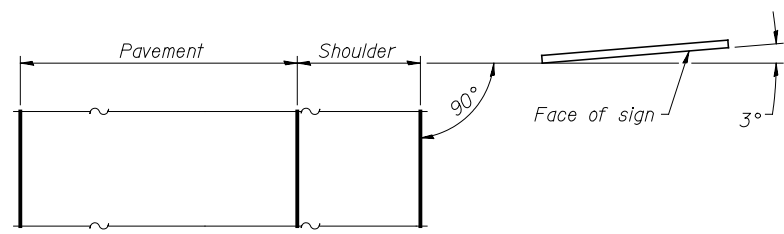
ELEVATION

0.15W	2 spaces at 0.35W	0.15W	for 3 posts
0.125W	3 spaces at 0.25W	0.125W	for 4 posts
0.1W	4 spaces at 0.2W	0.1W	for 5 posts
0.1W	5 spaces at 0.16W	0.1W	for 6 posts
0.08W	6 spaces at 0.14W	0.08W	for 7 posts

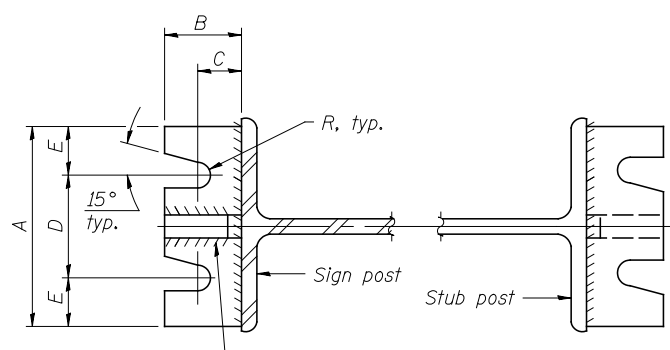


SHIM DETAIL

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

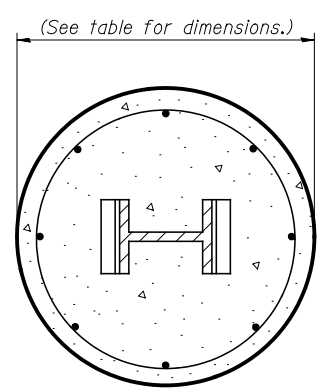


LOCATION SKETCH

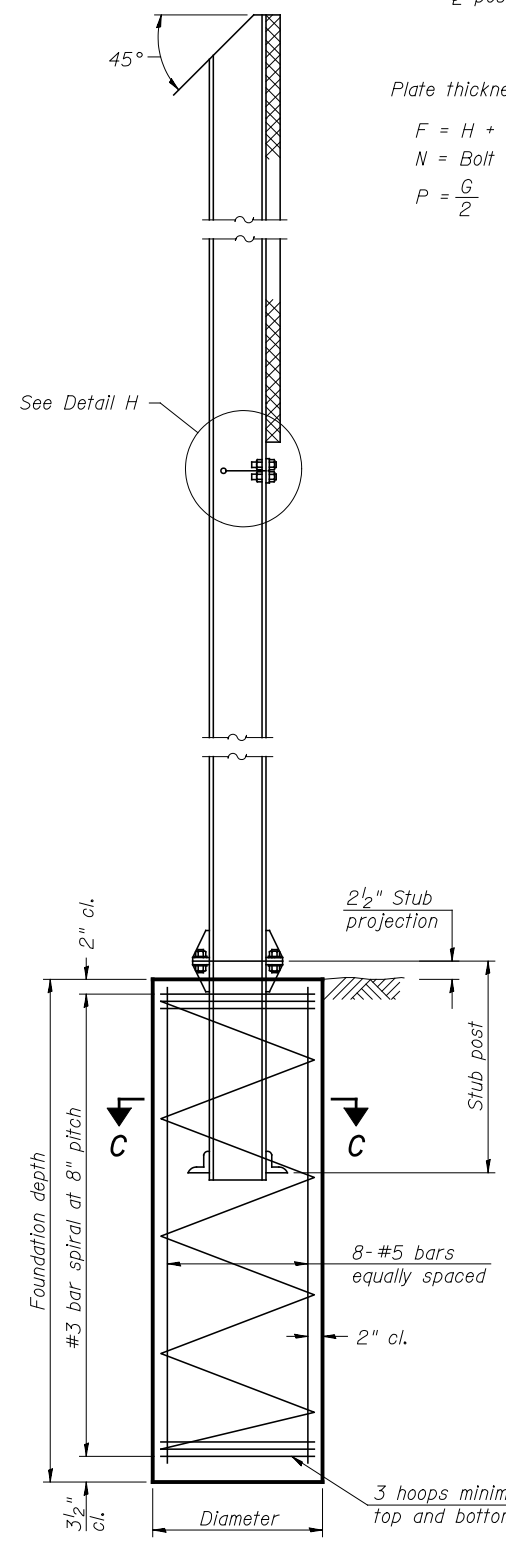


SECTION A-A

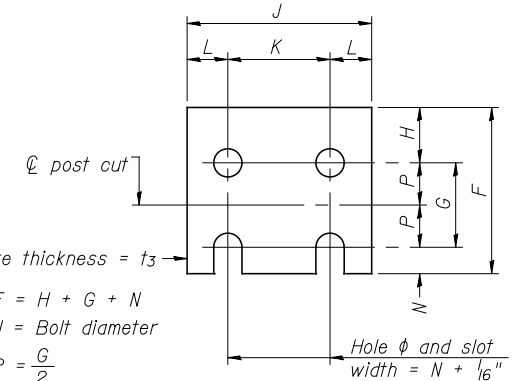
SECTION B-B



SECTION C-C



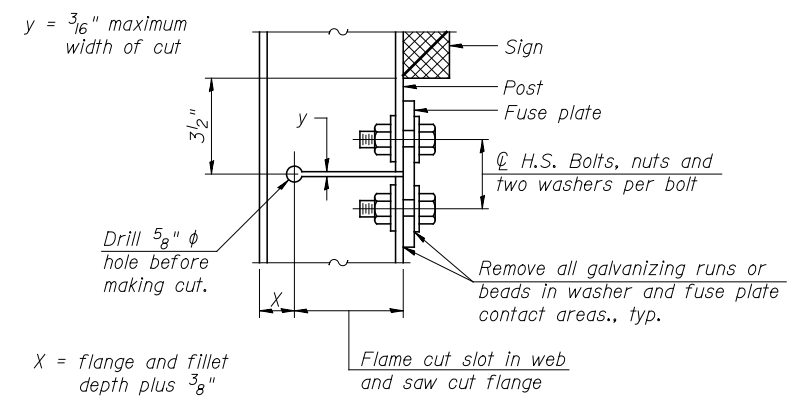
SECTION D-D



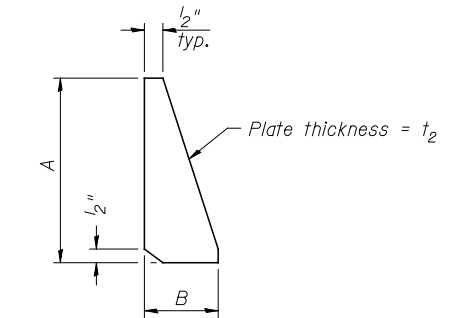
FUSE PLATE DETAIL

(Install with notches down.)

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"



DETAIL H



STIFFENER PLATE DETAIL

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 M11. 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 =	USER NAME = \$USER*	DESIGNED PJO	REVISED -
\$FILEL#		DRAWN KES	REVISED -
	PLOT SCALE = \$SCALE*	CHECKED JCM	REVISED -
	PLOT DATE = \$DATE*	DATE 10/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

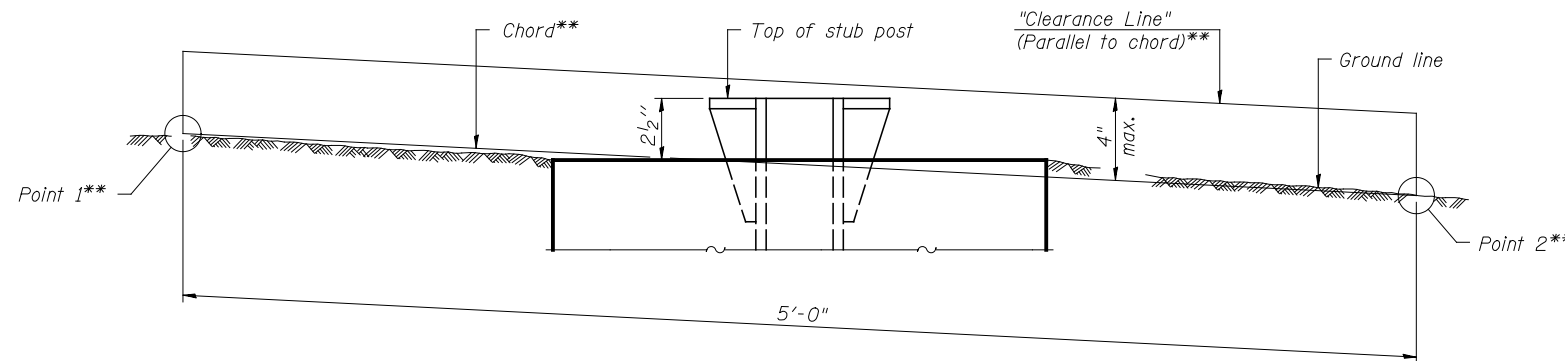
**BREAK-AWAY WIDE FLANGE
STEEL SIGN POST DETAILS**

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 Length	Bolt Size	A	B	C	D	E	t ₁	t ₂	R	W	J	K	L	t ₃	
	Diameter	*Minimum Depth	Concrete (1) cu. yds.)	Vertical Bars Length	Bar Spirals Diameter	Length																lbs. (2)
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

*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	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—	—
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—	—	—	—	—
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—	—
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—	—
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W16x45	—	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"



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.

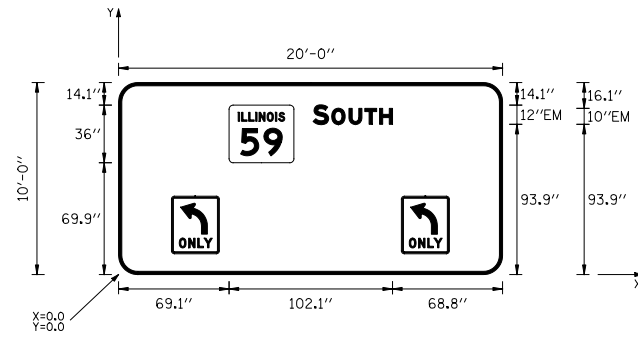
BAW-A-2

6-1-12

(Sheet 2 of 2)

FILE NAME =	USER NAME = *USER*	DESIGNED PJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BREAK-AWAY WIDE FLANGE STEEL SIGN POST TABLES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL	DRAWN KES	REVISED -	338			(112 & 113) WRS-5	DUPAGE	963	413	
PLOT SCALE = *SCALE*	CHECKED JCM	REVISED -	CONTRACT NO. 60I31							
PLOT DATE = *DATE*	DATE 10/15/2012	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE:		SHEET NO. 13 OF 15 SHEETS		STA. TO STA.						

SIGN DETAIL
1:75



SIGN NUMBER	G-IT-01A
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

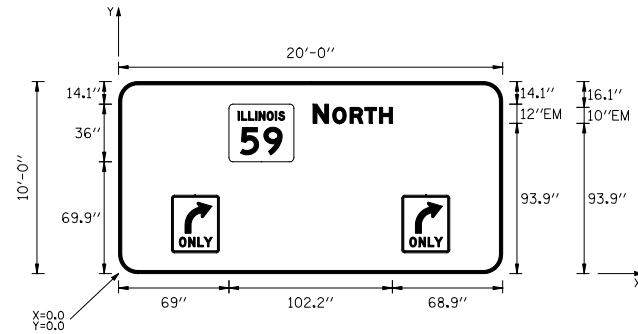
SYMBOL	ROT	X	Y	WID	HT
M1-1100A-2-32-15D	0	69.1	69.9	40.5	36
R3-SL	0	33	13	30	36
R3-SL	0	177	13	30	36

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

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)						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.							

SIGN DETAIL
1:75



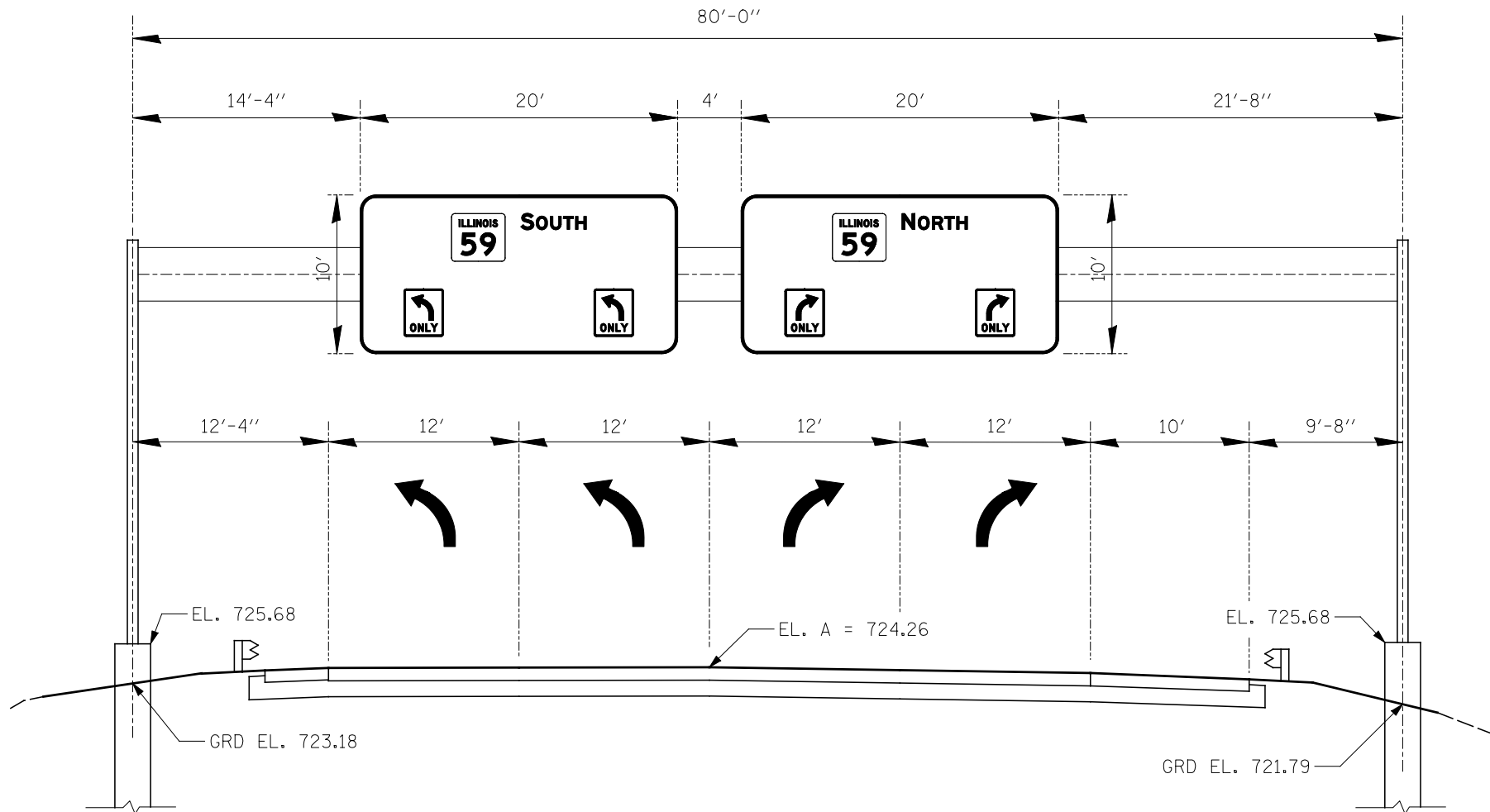
SIGN NUMBER	G-IT-01B
WIDTH x HGHT.	20'-0" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-1100A-2-32-15D	0	69	69.9	40.5	36
R3-SR	0	33	13	30	36
R3-SR	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)						LENGTH	SERIES/SIZE
N	O	R	T	H			EM 2000
121.5	133.8	144.6	153.8	163		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 01
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
RAMP B, STA 8997 + 12**

FILE NAME =	USER NAME = #USER#	DESIGNED <i>PJO</i>	REVISED -
#FILE#		DRAWN <i>KES</i>	REVISED -
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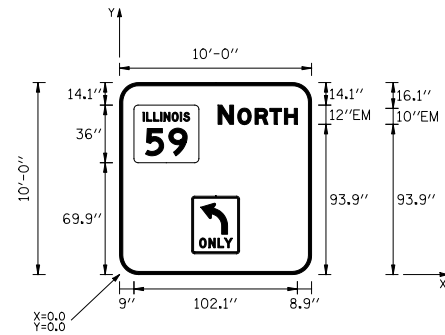
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**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. 60I31				
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: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-1100A-2-32-15D	0	9	69.9	40.5	36
R3-SL	0	45	13	30	36

Panel Style: guide_exp_advance_intermediata.ssi
Dimensions are in Inches.tenths

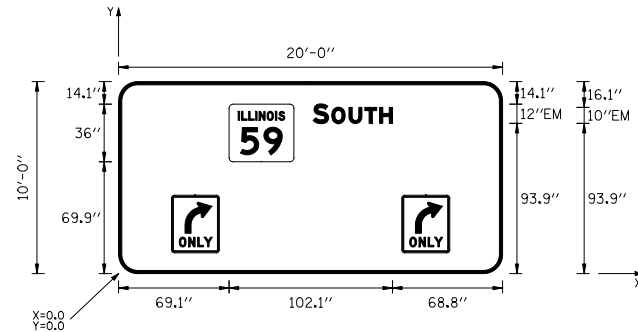
Letter locations are panel edge to lower left corner

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: White/White

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

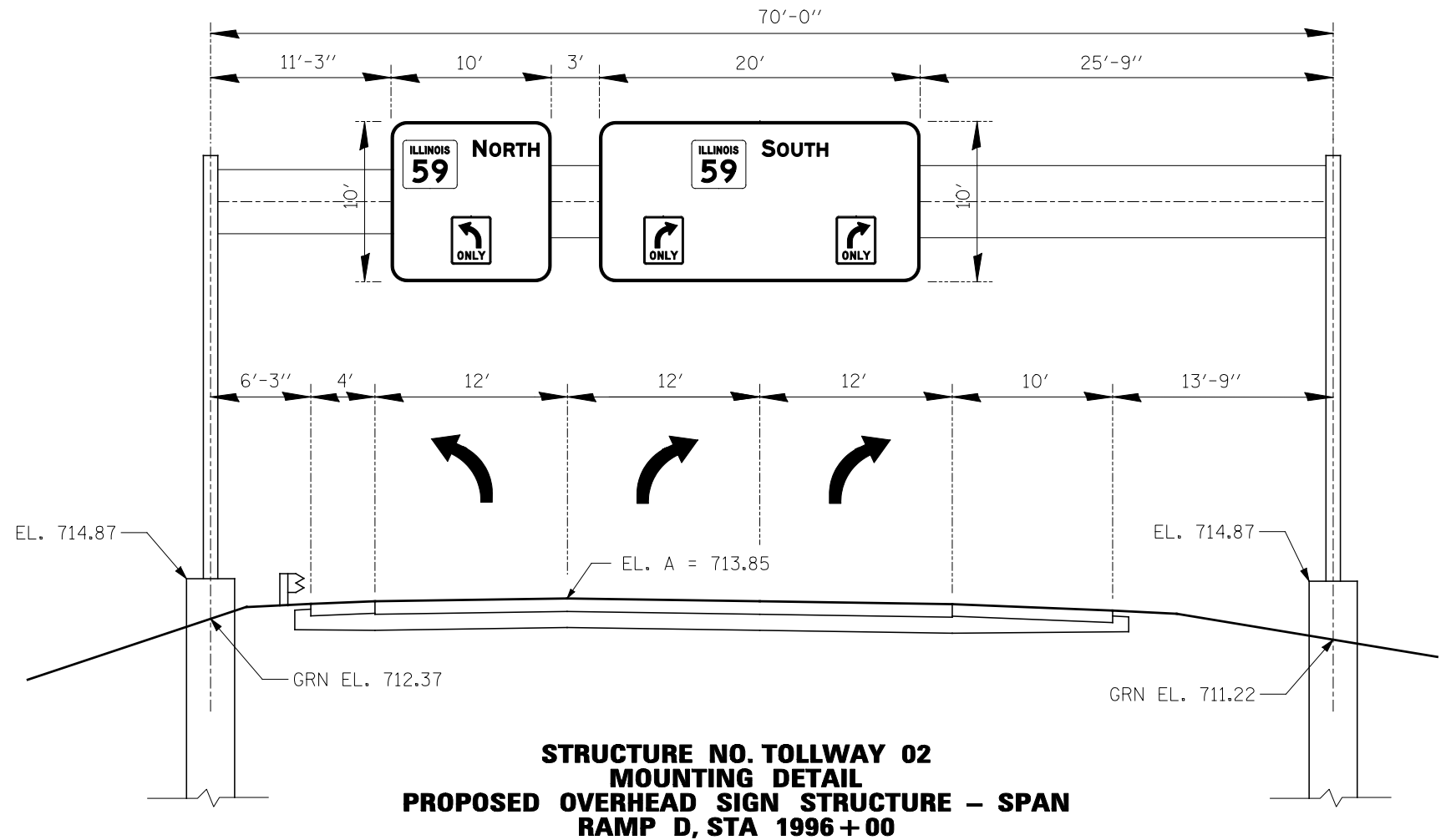
Panel Style: guide_exp_advance_intermediata.ssi
Dimensions are in Inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)					LENGTH	SERIES/SIZE
S	O	U	T	H		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.



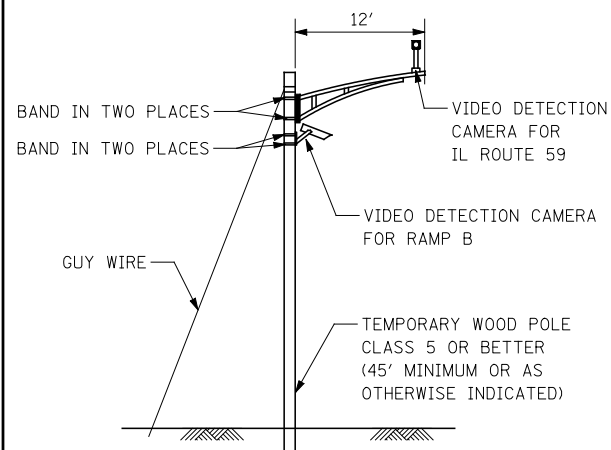
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	PLOT DATE = #DATE#	DATE <i>10/15/2012</i>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGN STRUCTURES
SPAN [TOLLWAY 02]**

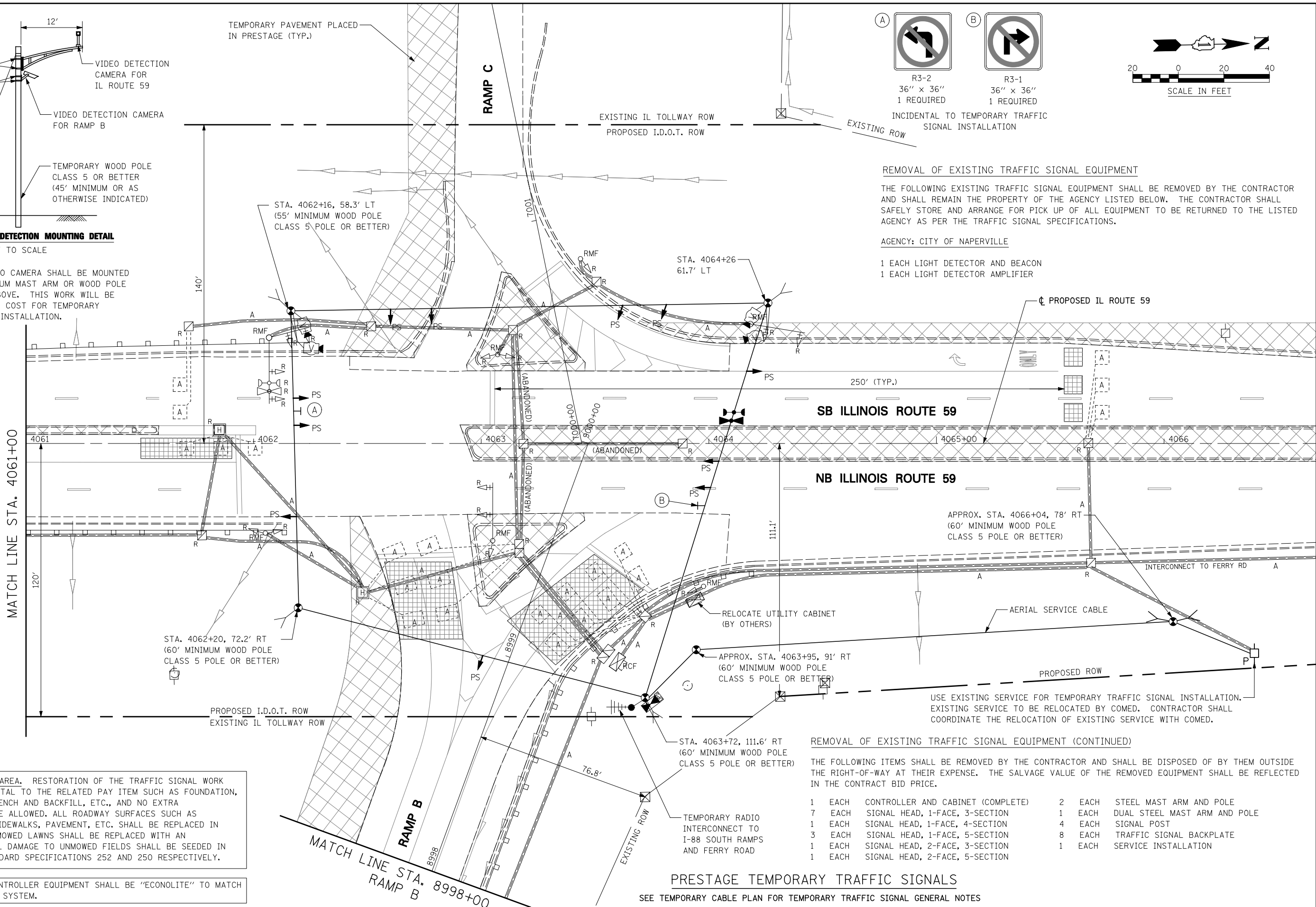
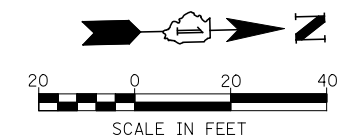
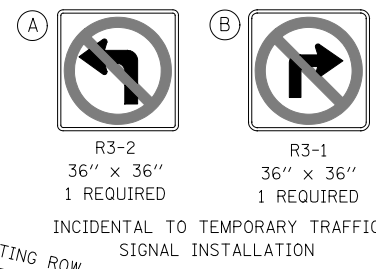
SCALE: SHEET NO. 15 OF 15 SHEETS STA. 1996+00 TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	415
CONTRACT NO. 60I31				
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

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 SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

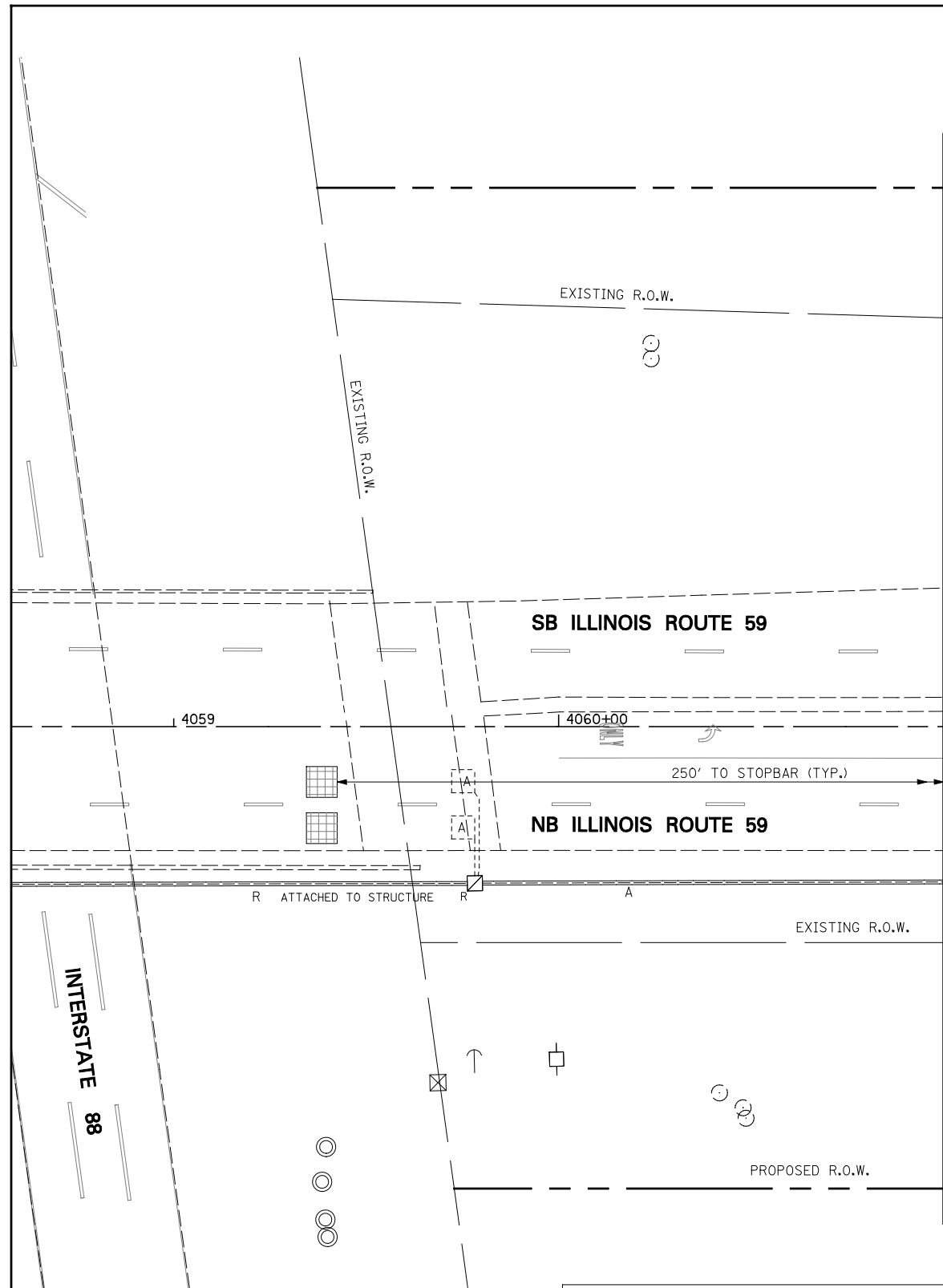
PRESTAGE TEMPORARY TRAFFIC SIGNALS
SEE TEMPORARY CABLE PLAN FOR TEMPORARY TRAFFIC SIGNAL GENERAL NOTES

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#FILE#		DRAWN <i>KES</i>	REVISED -
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	PLOT DATE = #DATE#	DATE <i>10/15/2012</i>	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.

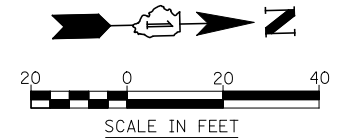
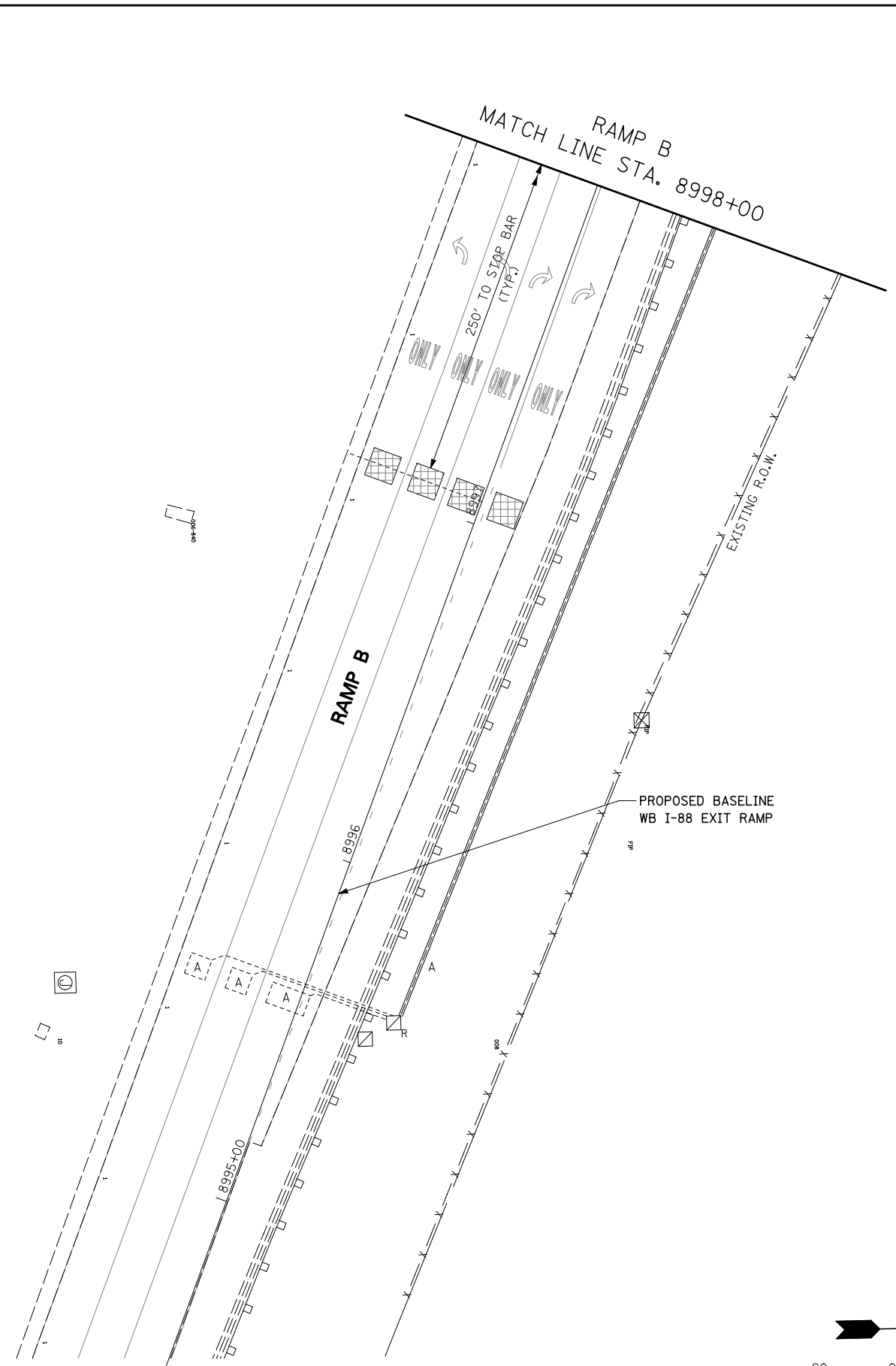
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	416
TS-1			CONTRACT NO. 60131	
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 4061+00

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.

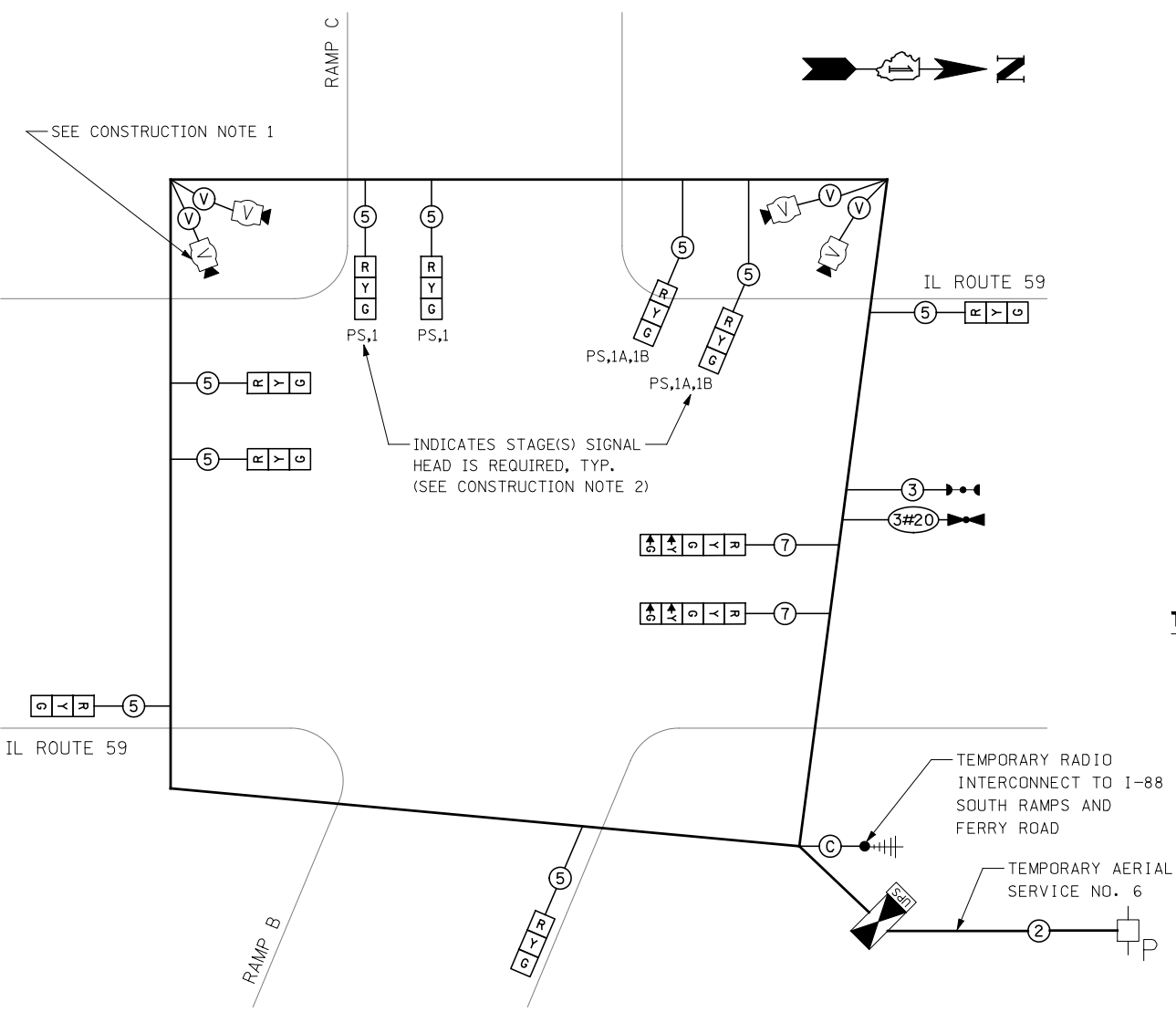


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	PLOT DATE = #DATE#	DATE <i>10/15/2012</i>	REVISED -

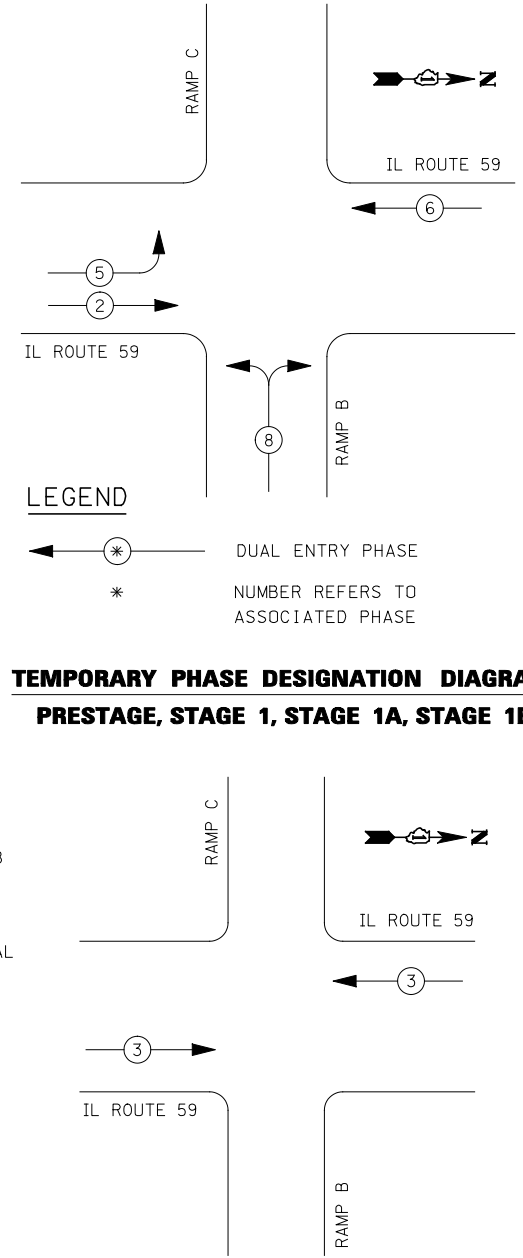
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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**

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 RESPONSIBLE 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.

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	
MOVEMENT	←	→

**EMERGENCY VEHICLE PREEMPTION SEQUENCE
PRESTAGE, STAGE 1, STAGE 1A, STAGE 1B**

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.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	INCAND.	LED	% OPERATION	
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

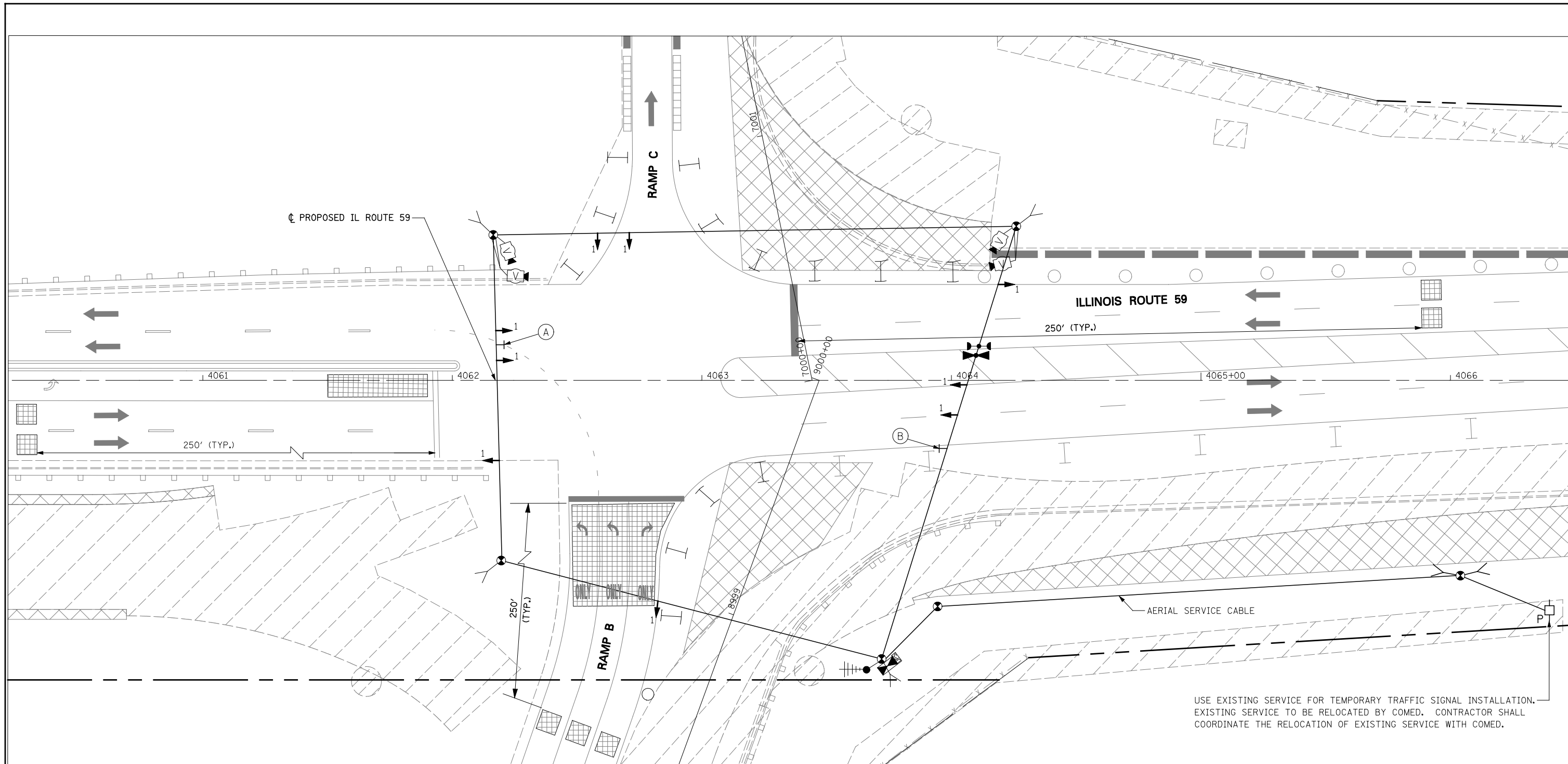
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

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

FILE NAME =	USER NAME = #USER#	DESIGNED <i>MJM</i>	REVISED -
#FILE#		DRAWN <i>KES</i>	REVISED -
		CHECKED <i>JCM</i>	REVISED -
		DATE <i>10/15/2012</i>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PRESTAGE, STAGE 1, STAGE 1A, STAGE 1B TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				338	(112 & 113) WRS-5	DUPAGE	963	418
				TS-3		CONTRACT NO. 60131		
SCALE:				SHEET NO. 3 OF 53 SHEETS		STA. TO STA.		
				ILLINOIS FED. AID PROJECT				







STAGE 1 TEMPORARY TRAFFIC SIGNALS

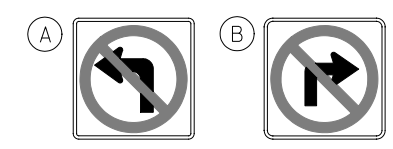
SEE SHEET TS-3 FOR STAGE 1 TEMPORARY CABLE PLAN

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.

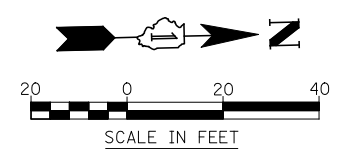
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

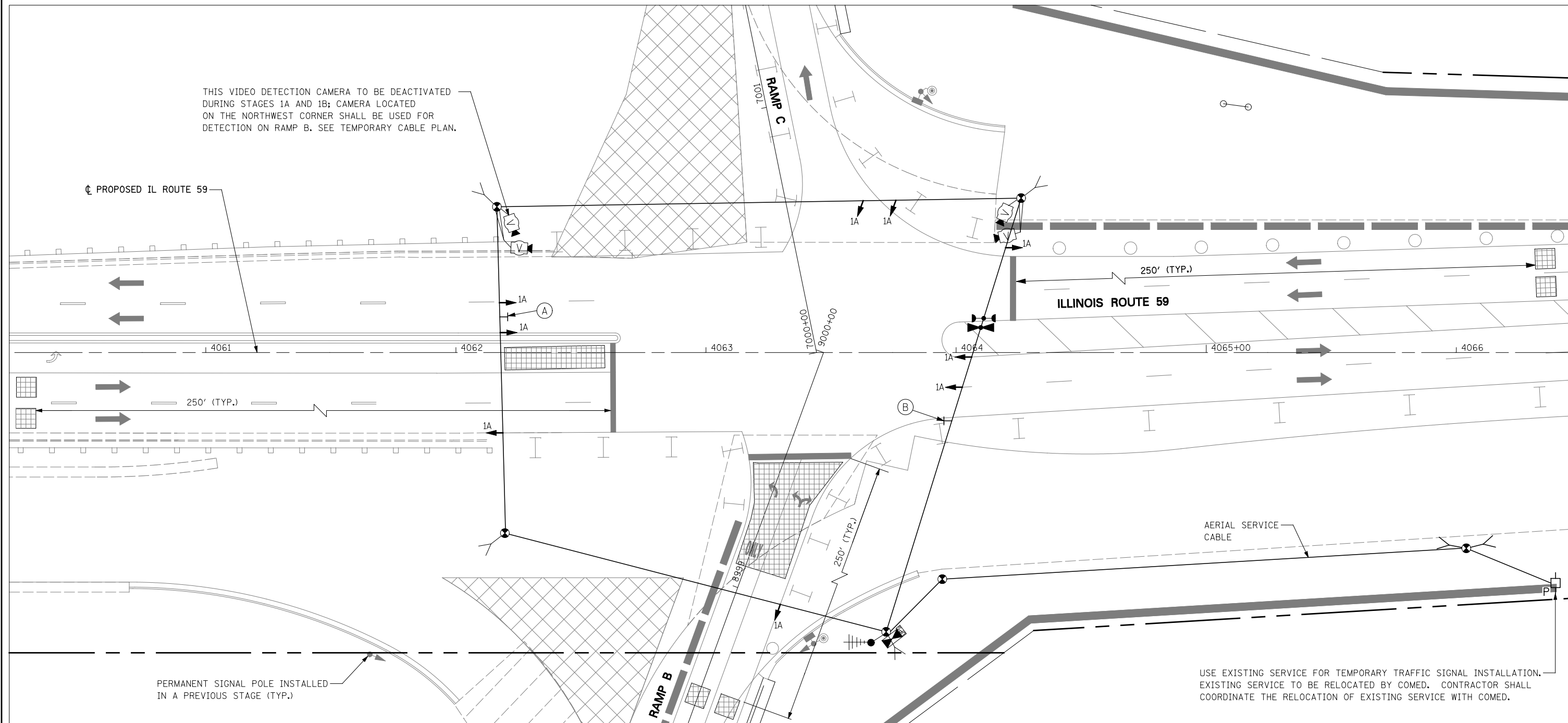
-  CONSTRUCTION WORK ZONE
-  TEMPORARY PAVEMENT PLACED IN THIS STAGE
-  DIRECTION OF TRAFFIC
-  VIDEO DETECTION ZONE



INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED <i>MJM</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION MOT STAGE 1 ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS			F.A.P. RTE. 338	SECTION (112 & 113) WRS-5	COUNTY DUPAGE	TOTAL SHEETS 963	SHEET NO. 419
	PLOT SCALE = #SCALE#	DRAWN <i>KES</i>	REVISED -		SCALE: AS SHOWN	SHEET NO. 4 OF 53 SHEETS	STA.	TO STA.	TS-4		CONTRACT NO. 60131	
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		DATE <i>10/15/2012</i>	REVISED -									







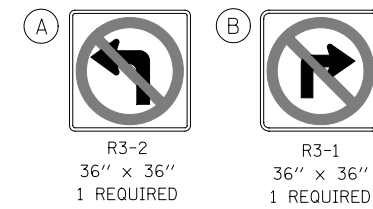
STAGE 1A TEMPORARY TRAFFIC SIGNALS
SEE SHEET TS-3 FOR STAGE 1A TEMPORARY CABLE PLAN

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 SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

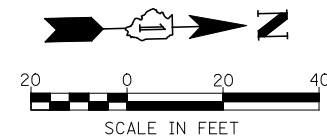
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

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



INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



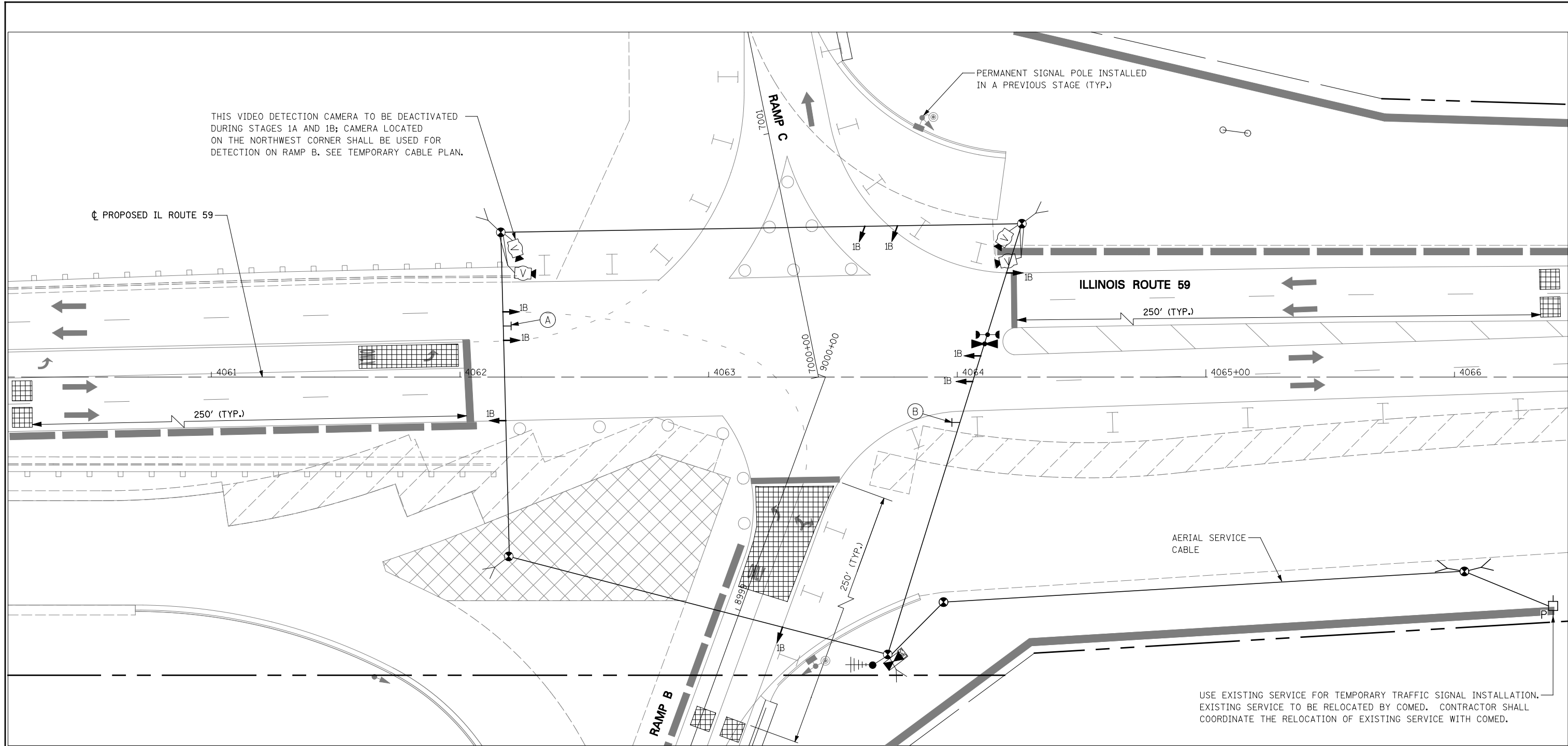
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	PLOT DATE = #DATE#	DATE <i>10/15/2012</i>	REVISED -

**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				



THIS VIDEO DETECTION CAMERA TO BE DEACTIVATED DURING STAGES 1A AND 1B; CAMERA LOCATED ON THE NORTHWEST CORNER SHALL BE USED FOR DETECTION ON RAMP B. SEE TEMPORARY CABLE PLAN.

CL PROPOSED IL ROUTE 59

PERMANENT SIGNAL POLE INSTALLED IN A PREVIOUS STAGE (TYP.)

ILLINOIS ROUTE 59

250' (TYP.)

4061

4062

4063

1000+00
900+00

4064

4065+00

4066

250' (TYP.)

AERIAL SERVICE CABLE

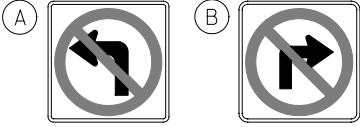
USE EXISTING SERVICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION. EXISTING SERVICE TO BE RELOCATED BY COMED. CONTRACTOR SHALL COORDINATE THE RELOCATION OF EXISTING SERVICE WITH COMED.

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 SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

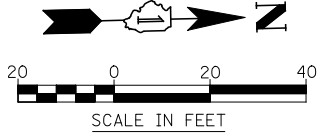
- LEGEND**
- CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT PLACED IN THIS STAGE
 - DIRECTION OF TRAFFIC
 - VIDEO DETECTION ZONE



R3-2
36" x 36"
1 REQUIRED

R3-1
36" x 36"
1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

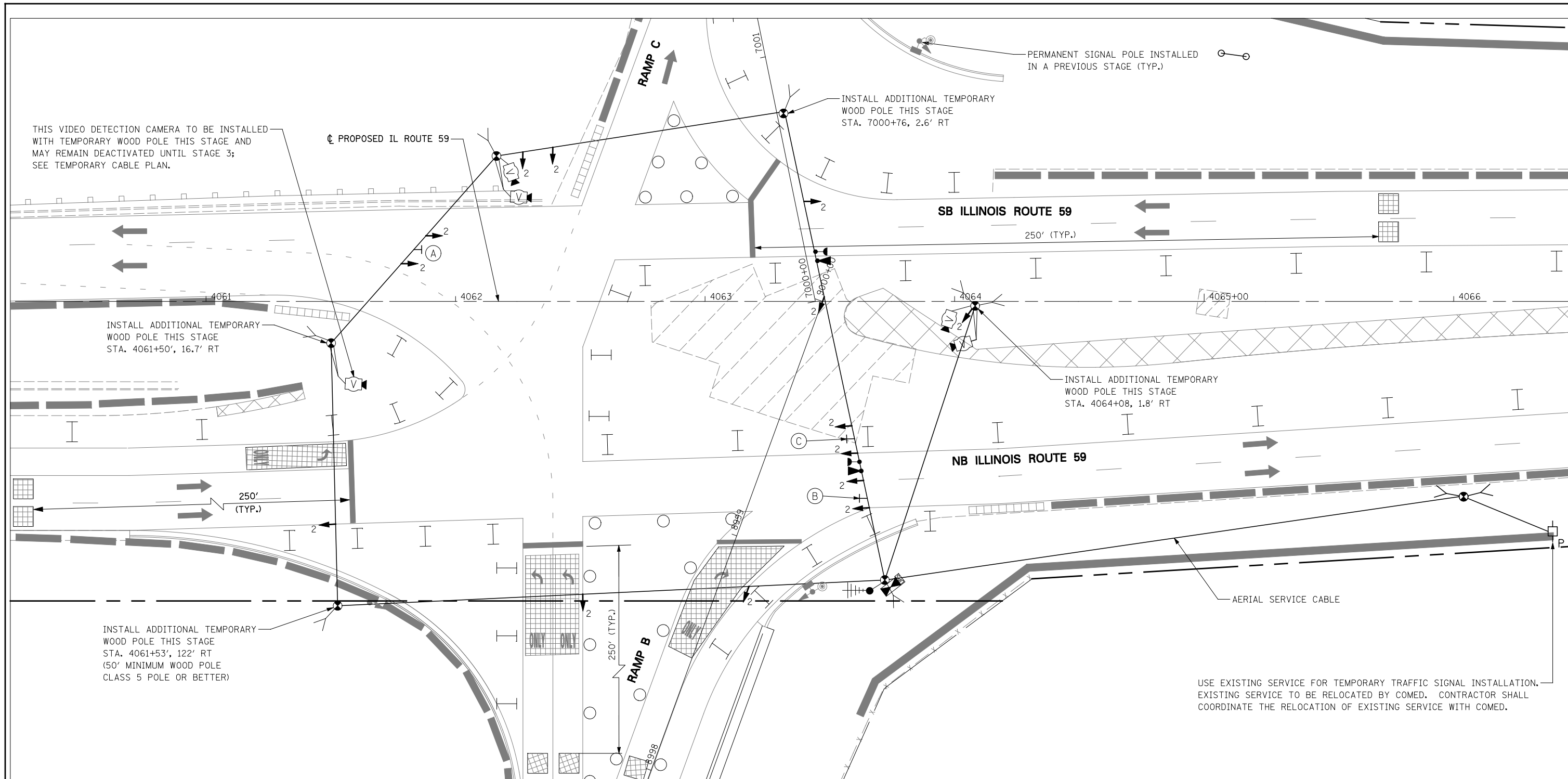


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	PLOT DATE = #DATE#	DATE <i>10/15/2012</i>	REVISED -

**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 SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

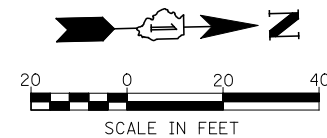
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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
-  R10-5
30" x 36"
1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



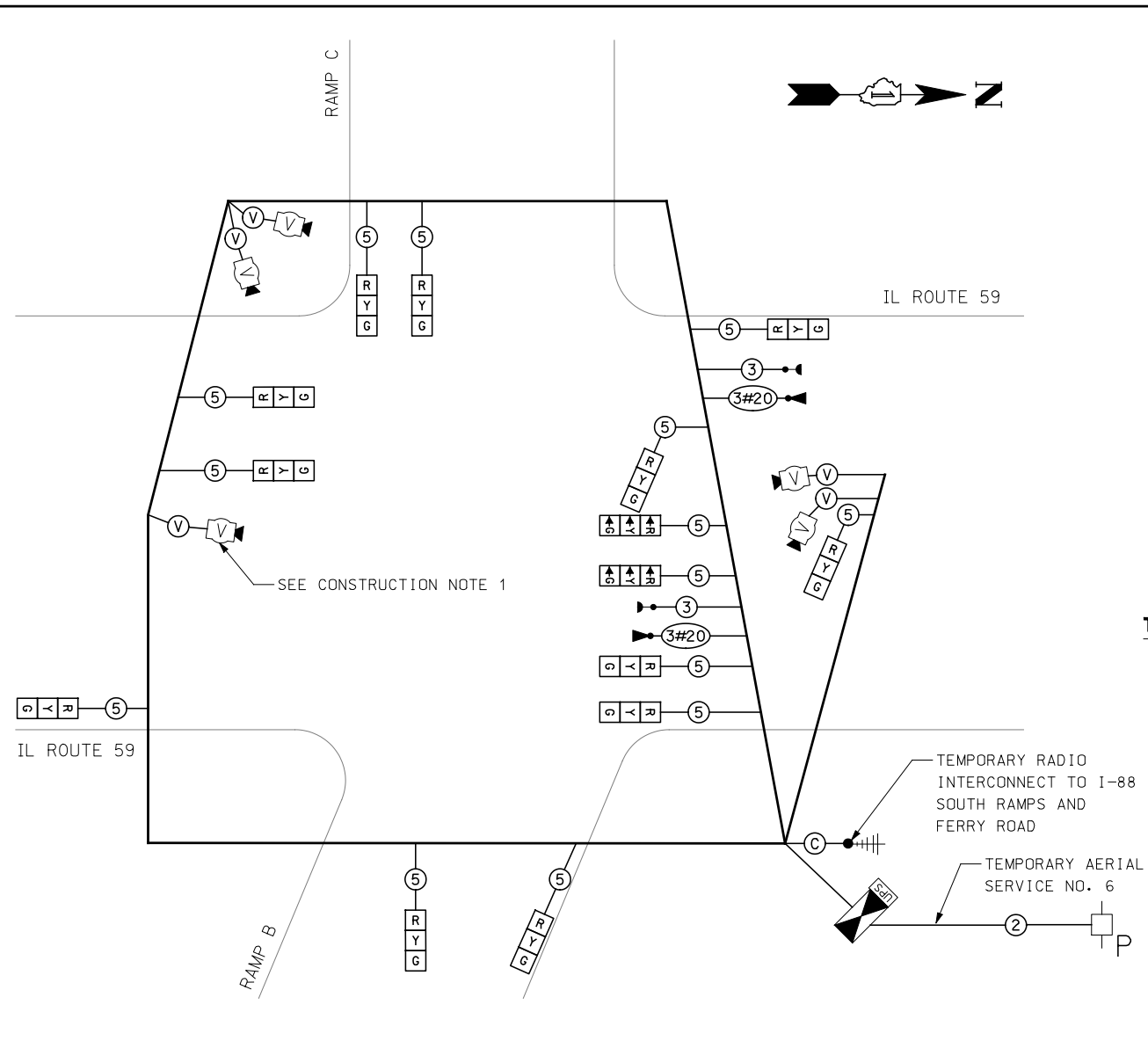
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

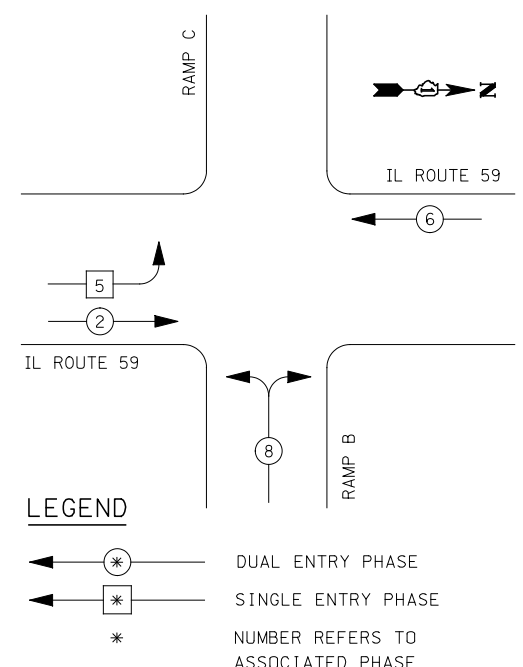
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 2
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS**

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

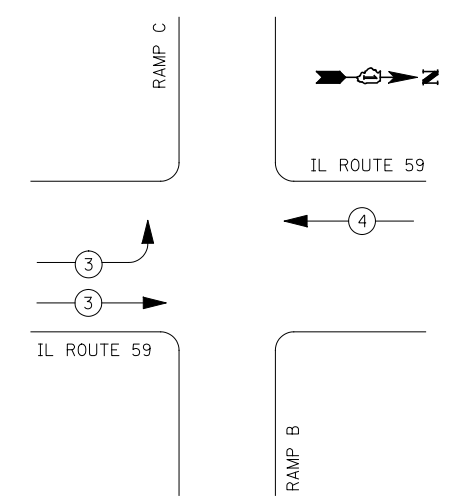
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	422
TS-7		CONTRACT NO. 60I31		
ILLINOIS FED. AID PROJECT				



**TEMPORARY SIGNAL CABLE PLAN
STAGE 2**



**TEMPORARY PHASE DESIGNATION DIAGRAM
STAGE 2**



**EMERGENCY VEHICLE PREEMPTION SEQUENCE
STAGE 2**

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 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.
- 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.
- 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.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 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.
- 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.
- 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 RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 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.
- 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:

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

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	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

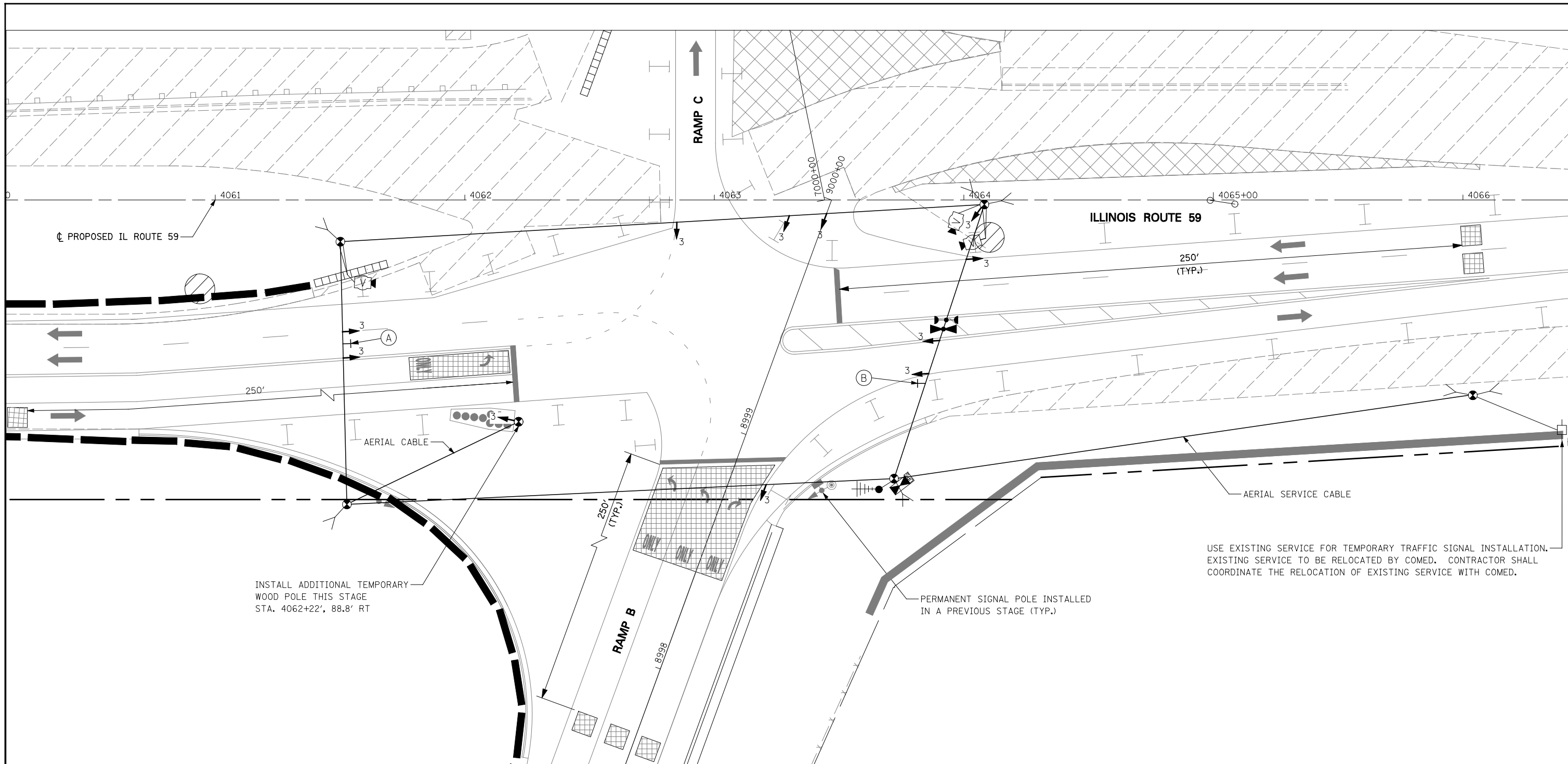
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL 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.

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#FILE#		DRAWN <u>KES</u>	REVISED -
		CHECKED <u>JCM</u>	REVISED -
		DATE <u>10/15/2012</u>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILLINOIS ROUTE 59 AND I-80 NORTH RAMPS				338	(112 & 113) WRS-5	DUPAGE	963	423
SCALE:				SHEET NO. 8 OF 53 SHEETS		STA.	TO STA.	
				TS-8		CONTRACT NO. 60131		
				ILLINOIS FED. AID PROJECT				



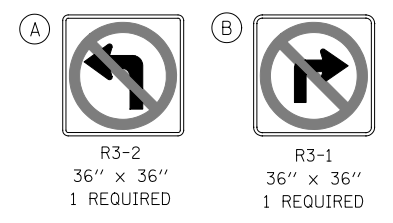
STAGE 3 TEMPORARY TRAFFIC SIGNALS

SEE SHEET TS-10 FOR STAGE 3 TEMPORARY CABLE PLAN

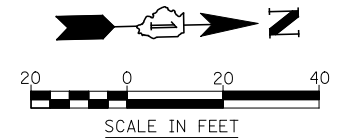
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL 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.

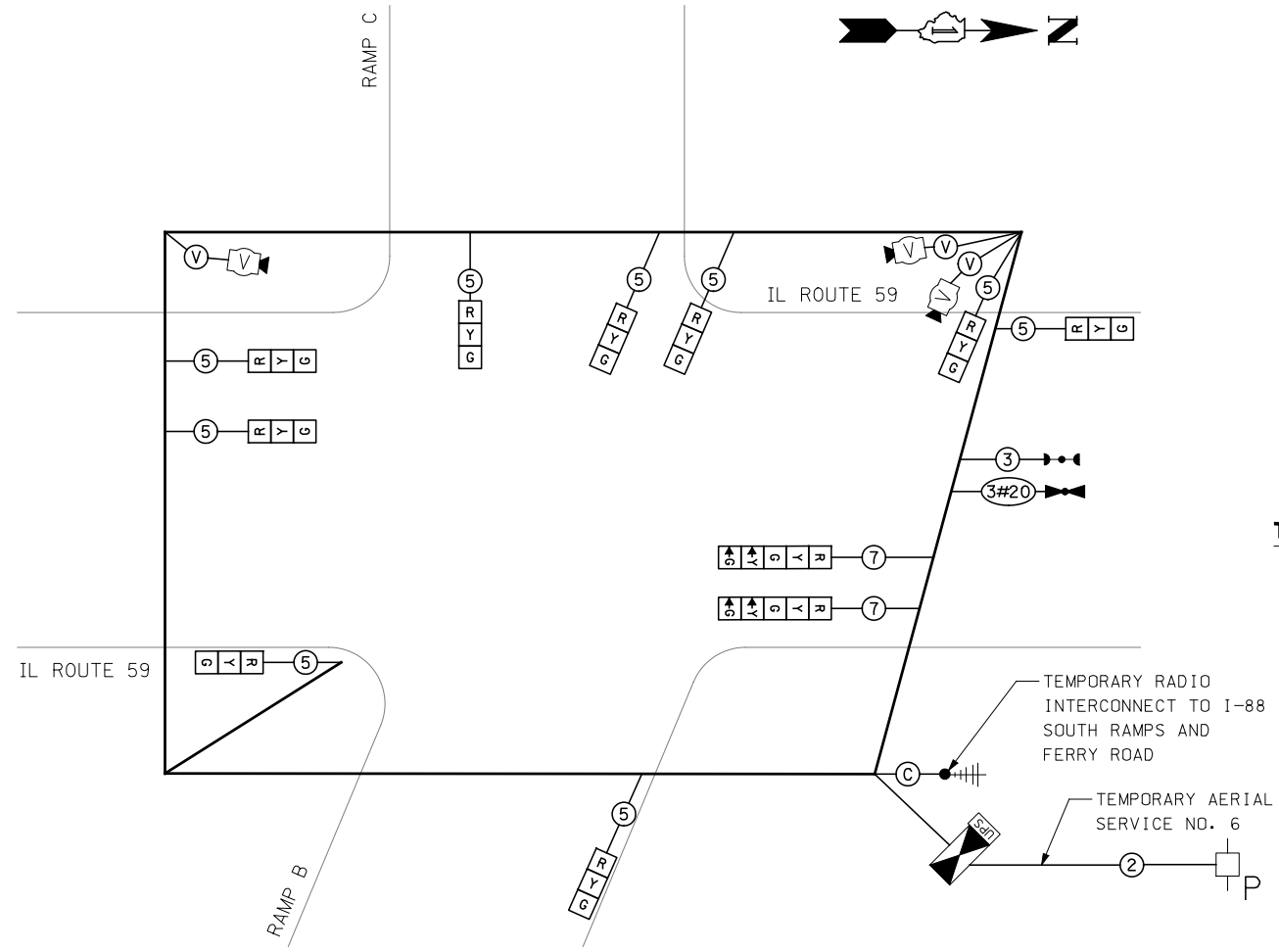
- LEGEND**
- CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT PLACED IN THIS STAGE
 - DIRECTION OF TRAFFIC
 - VIDEO DETECTION ZONE



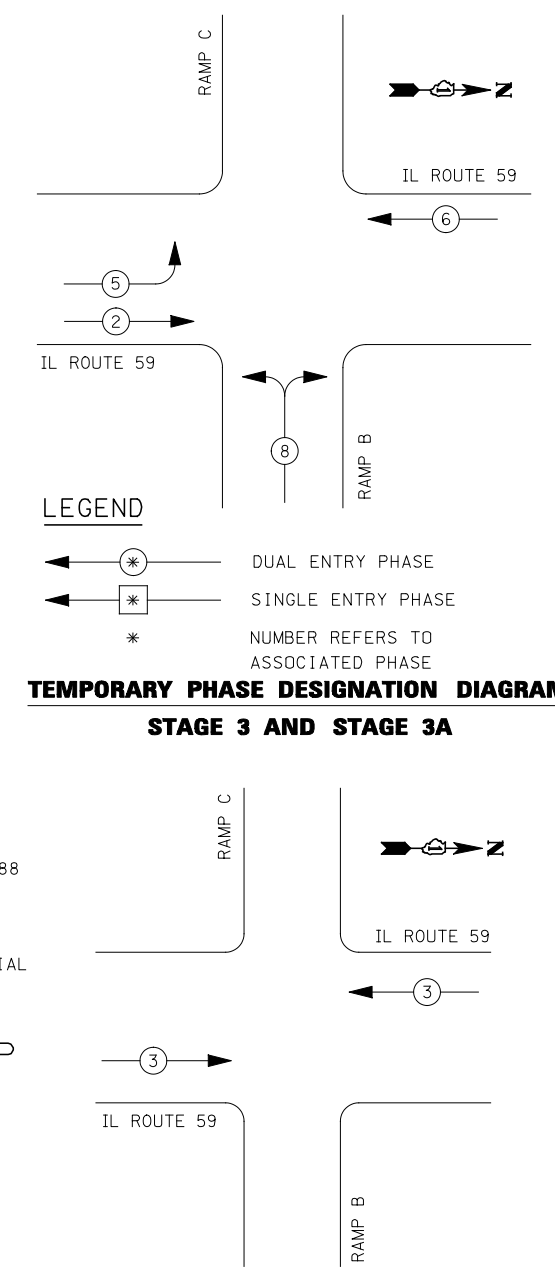
INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED <i>MJM</i>	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. 338	SECTION (112 & 113) WRS-5	COUNTY DUPAGE	TOTAL SHEETS 963	SHEET NO. 424	
	PLOT SCALE = #SCALE#	DRAWN <i>KES</i>	REVISED -		SCALE: AS SHOWN	SHEET NO. 9 OF 53 SHEETS	STA.	TO STA.	TS-9 CONTRACT NO. 60I31		
	PLOT DATE = #DATE#	CHECKED <i>JCM</i>	REVISED -		ILLINOIS FED. AID PROJECT						
		DATE <i>10/15/2012</i>	REVISED -								



**TEMPORARY SIGNAL CABLE PLAN
STAGE 3 AND STAGE 3A**



**TEMPORARY PHASE DESIGNATION DIAGRAM
STAGE 3 AND STAGE 3A**

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 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.
- 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.
- 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.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 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.
- 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.
- 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 RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 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.
- 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.

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	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: MARK SCHERIBEL
PHONE: 630-723-2128
COMPANY: COMED

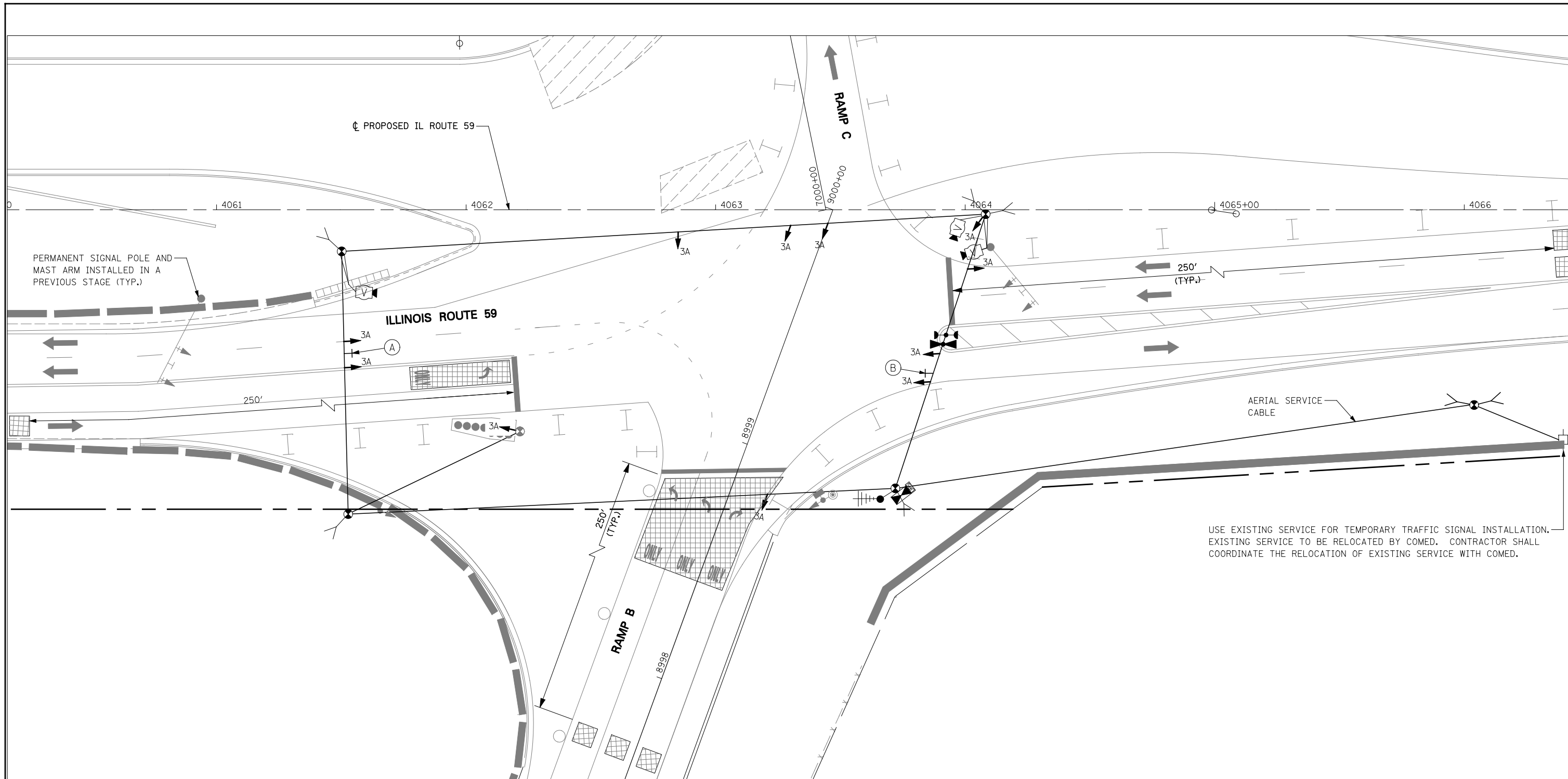
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL 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.

FILE NAME =	USER NAME = #USER#	DESIGNED <u>MJM</u>	REVISED -
#FILEL#		DRAWN <u>KES</u>	REVISED -
		CHECKED <u>JCM</u>	REVISED -
		DATE <u>10/15/2012</u>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 3 AND STAGE 3A TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE ILLINOIS ROUTE 59 AND I-80 NORTH RAMPS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				338	(112 & 113) WRS-5	DUPAGE	963	425
				TS-10		CONTRACT NO. 60131		
SCALE:				SHEET NO. 10 OF 53 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT







USE EXISTING SERVICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION. EXISTING SERVICE TO BE RELOCATED BY COMED. CONTRACTOR SHALL COORDINATE THE RELOCATION OF EXISTING SERVICE WITH COMED.

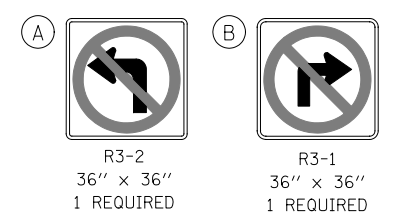
STAGE 3A TEMPORARY TRAFFIC SIGNALS

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

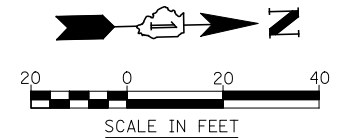
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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

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

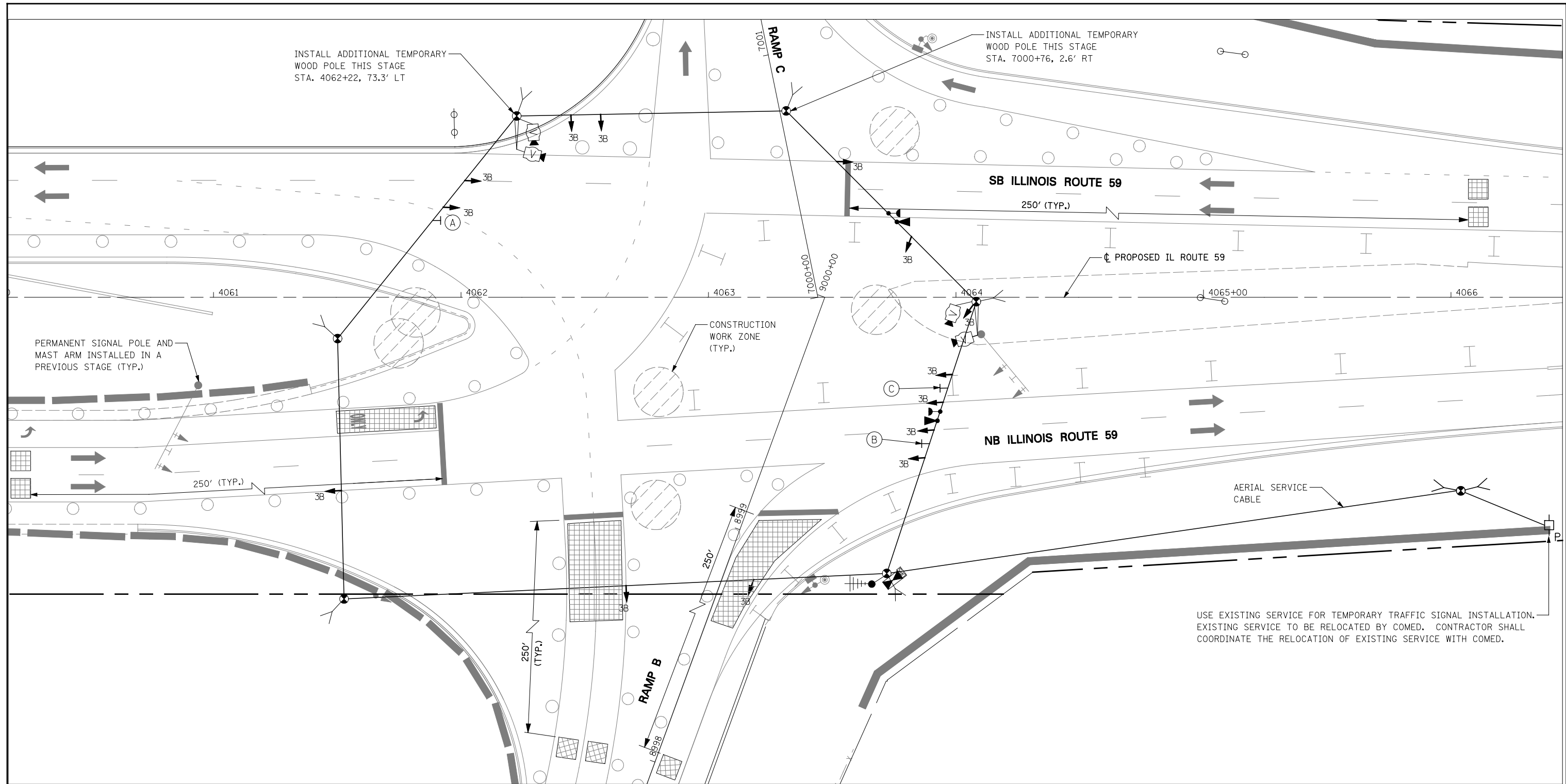
- LEGEND**
-  CONSTRUCTION WORK ZONE
 -  TEMPORARY PAVEMENT PLACED IN THIS STAGE
 -  DIRECTION OF TRAFFIC
 -  VIDEO DETECTION ZONE



INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED <i>MJM</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION MOT STAGE 3A IL ROUTE 59 AND I-88 NORTH RAMPS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>KES</i>	REVISED -		SCALE: AS SHOWN	SHEET NO. 11 OF 53 SHEETS	STA.	TO STA.	338	(112 & 113) WRS-5	DUPAGE	963	426
		CHECKED <i>JCM</i>	REVISED -						TS-11		CONTRACT NO. 60I31		
		DATE <i>10/15/2012</i>	REVISED -						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 SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

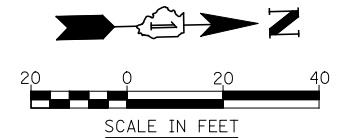
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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
-  R10-5
30" x 36"
1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



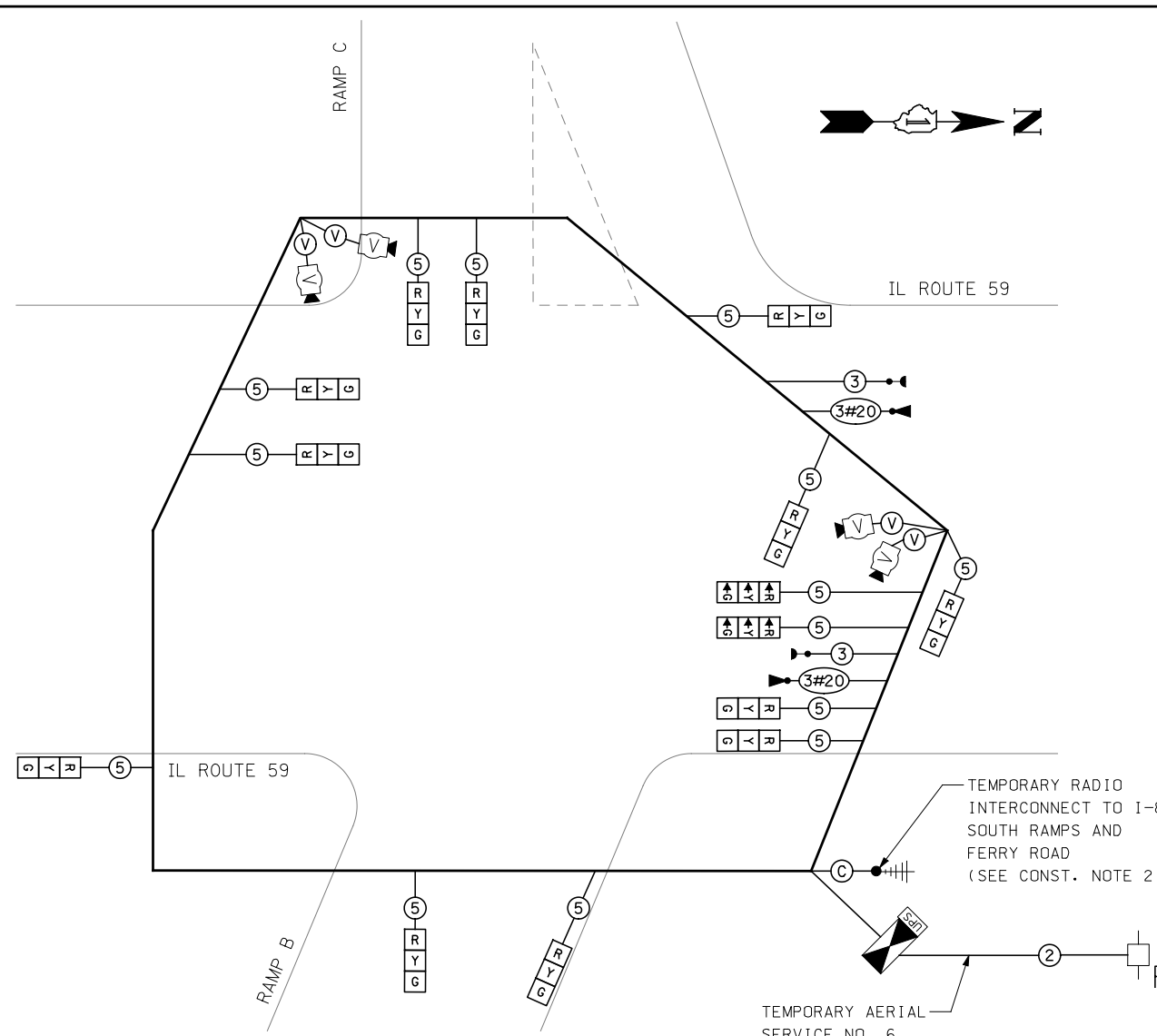
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#FILE#		DRAWN <i>KES</i>	REVISED -
	PLOT SCALE = #SCALE#	CHECKED <i>JCM</i>	REVISED -
	PLOT DATE = #DATE#	DATE <i>10/15/2012</i>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

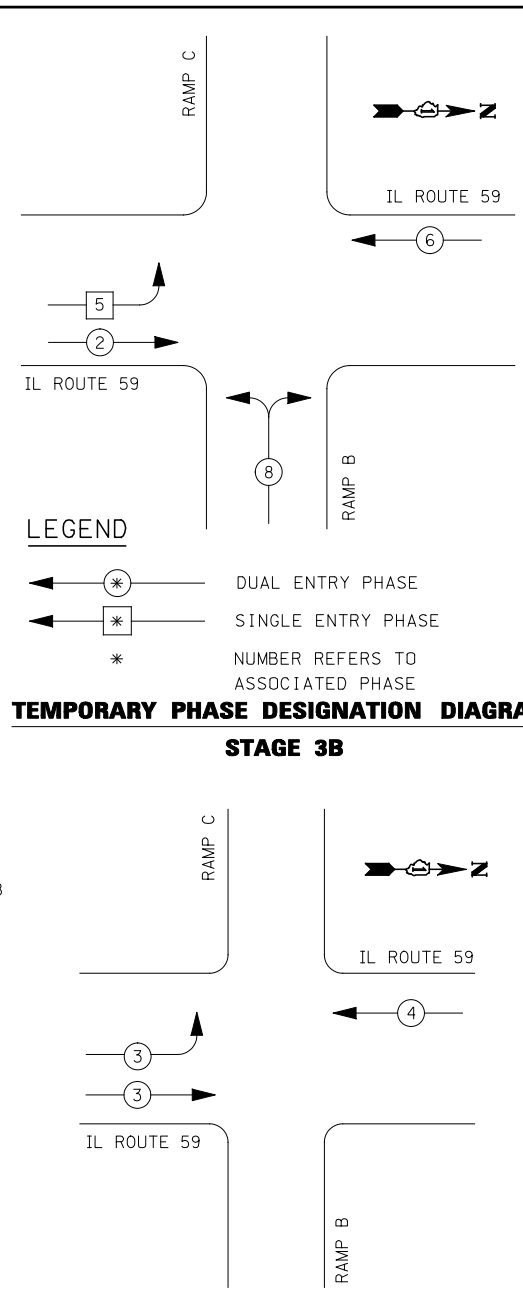
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGES 3B
IL ROUTE 59 AND I-88 NORTH RAMPS**

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

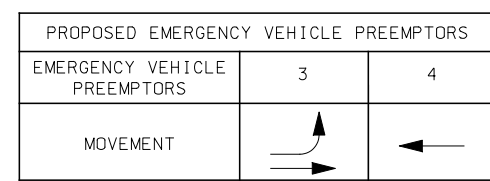
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	427
TS-12			CONTRACT NO. 60I31	
ILLINOIS FED. AID PROJECT				



**TEMPORARY SIGNAL CABLE PLAN
STAGE 3B**



**TEMPORARY PHASE DESIGNATION DIAGRAM
STAGE 3B**



**EMERGENCY VEHICLE PREEMPTION SEQUENCE
STAGE 3B**

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 RESPONSIBLE 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.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS x INCAND.	WATTAGE 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 SEEDING 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 <u>MJM</u>	REVISED -
#FILE#		DRAWN <u>KES</u>	REVISED -
	PLOT SCALE = #SCALE#	CHECKED <u>JCM</u>	REVISED -
	PLOT DATE = #DATE#	DATE <u>10/15/2012</u>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 3B			
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
338	(112 & 113) WRS-5	DUPAGE	963
TS-13			SHEET NO. 428
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60131

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.

SB ILLINOIS ROUTE 59

NB ILLINOIS ROUTE 59

RAMP C

RAMP B
RAMP CLOSED

PROPOSED IL ROUTE 59

PERMANENT SIGNAL POLE AND MAST ARM INSTALLED IN A PREVIOUS STAGE (TYP.)

BAG AND TURN OFF TEMPORARY TRAFFIC SIGNAL INDICATIONS, SEE NOTE ABOVE (TYP.)

AERIAL SERVICE CABLE

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

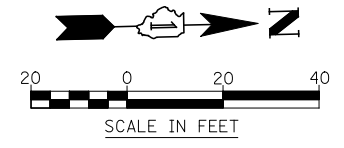
NOTE:
STAGES 4, 4A AND 4B OPERATE IN THE PROPOSED DIVERGING DIAMOND TRAFFIC PATTERN. THE INTERSECTION IS CONTROLLED BY THE PERMANENT TRAFFIC SIGNALS IN THESE STAGES. SEE PERMANENT TRAFFIC SIGNAL PLANS AND MAINTENANCE OF TRAFFIC PLANS.

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 SEEDDED 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



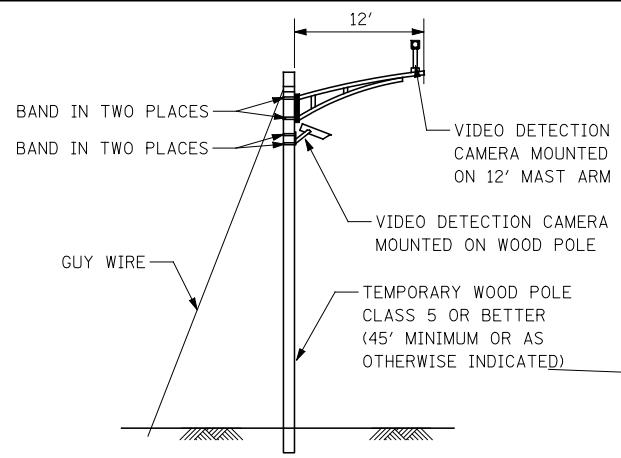
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\$FILEL#		DRAWN <i>KES</i>	REVISED -
	PLOT SCALE = \$SCALE*	CHECKED <i>JCM</i>	REVISED -
	PLOT DATE = \$DATE*	DATE <i>10/15/2012</i>	REVISED -

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

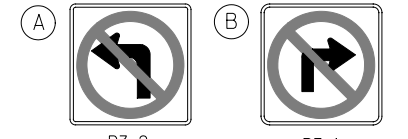
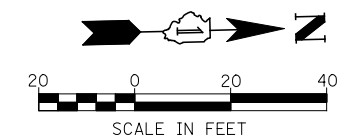
NOTE: EACH VIDEO CAMERA SHALL BE MOUNTED ON A 12' ALUMINUM MAST ARM OR WOOD POLE AS INDICATED ABOVE. THIS WORK WILL BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

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

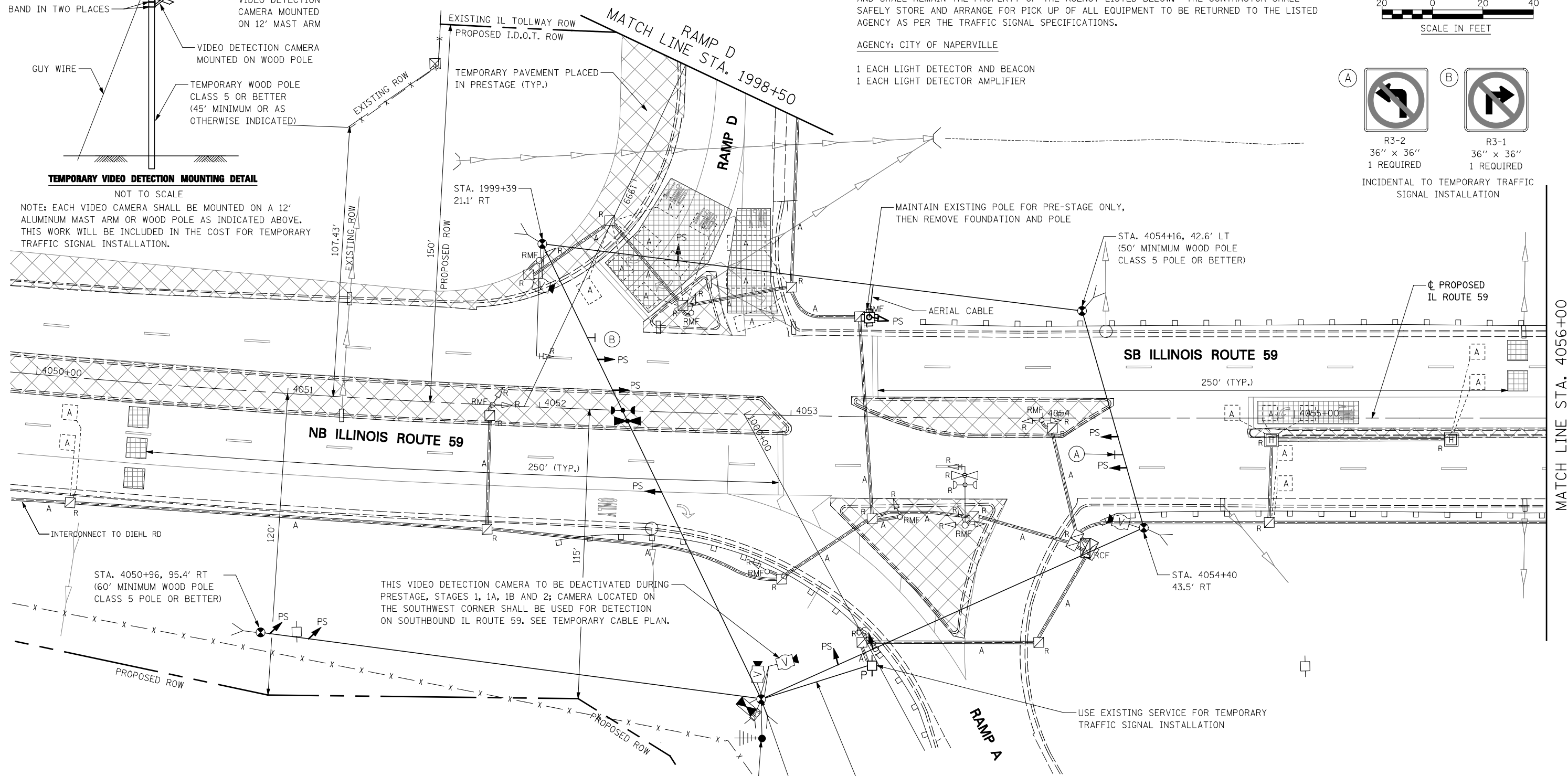
- 1 EACH LIGHT DETECTOR AND BEACON
- 1 EACH LIGHT DETECTOR AMPLIFIER



R3-2
36" x 36"
1 REQUIRED

R3-1
36" x 36"
1 REQUIRED

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

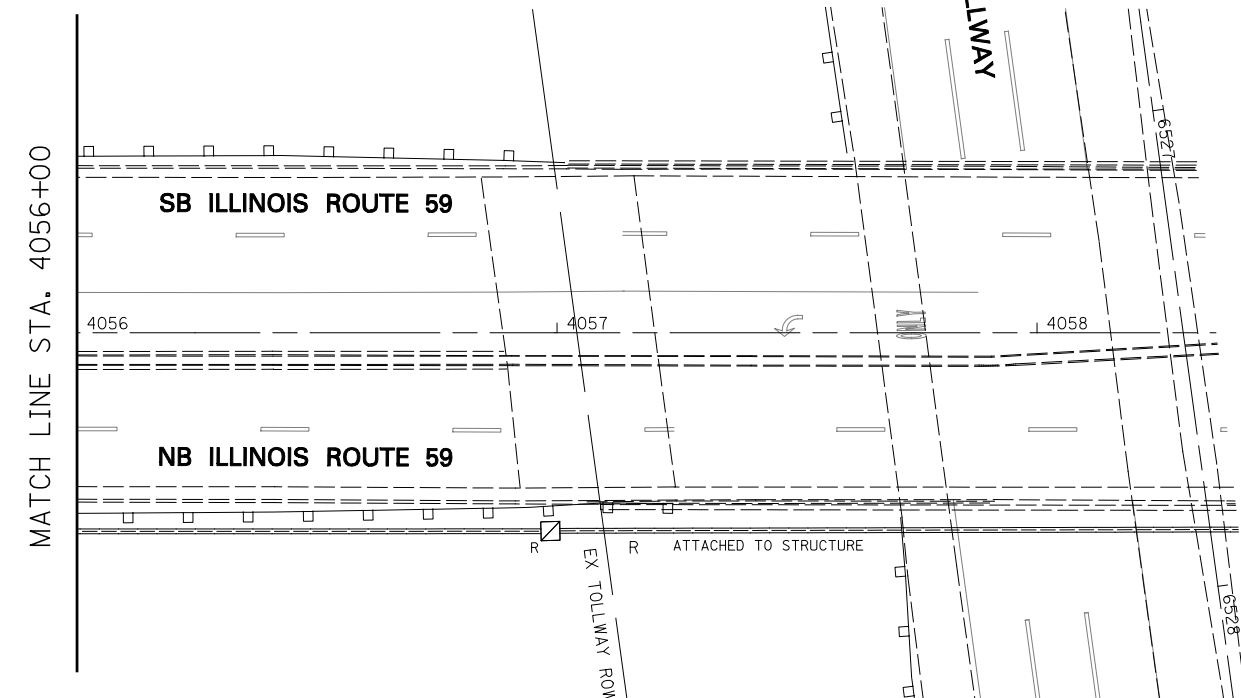
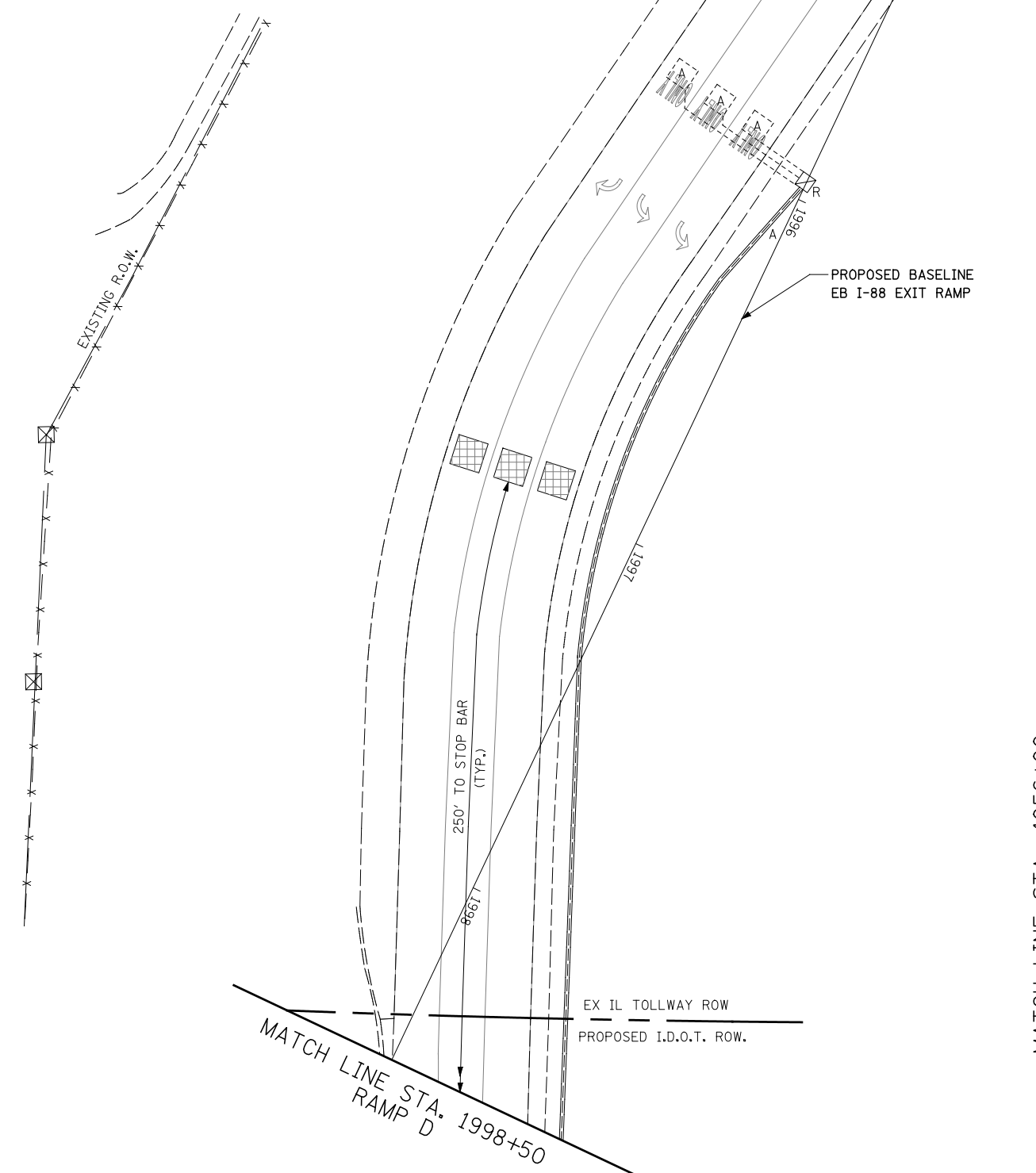
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL 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 =	USER NAME = \$USER*	DESIGNED <i>MJM</i>	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	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\$FILEL#		DRAWN <i>KES</i>	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	430	
		CHECKED <i>JCM</i>	REVISED -			TS-15		CONTRACT NO. 60131			
		DATE <i>10/15/2012</i>	REVISED -			SCALE: AS SHOWN	SHEET NO. 15 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 SEEDING 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 <i>MJM</i>	REVISED -
#FILEL#		DRAWN <i>KES</i>	REVISED -
	PLOT SCALE = #SCALE#	CHECKED <i>JCM</i>	REVISED -
	PLOT DATE = #DATE#	DATE <i>10/15/2012</i>	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. 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				

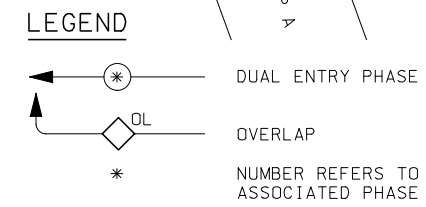
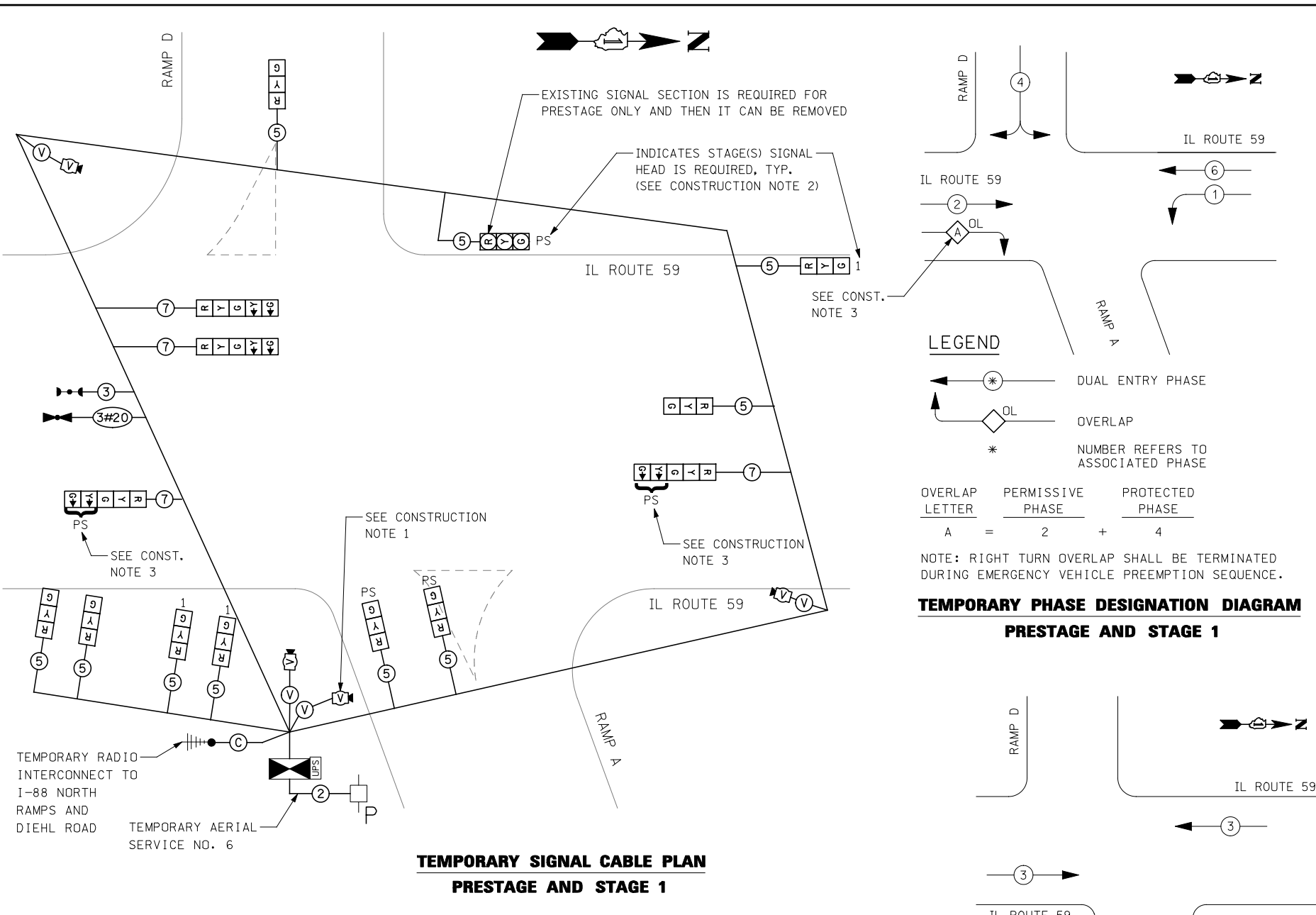
NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 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.
- 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.
- 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.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 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.
- 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.
- 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 RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 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.
- 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.

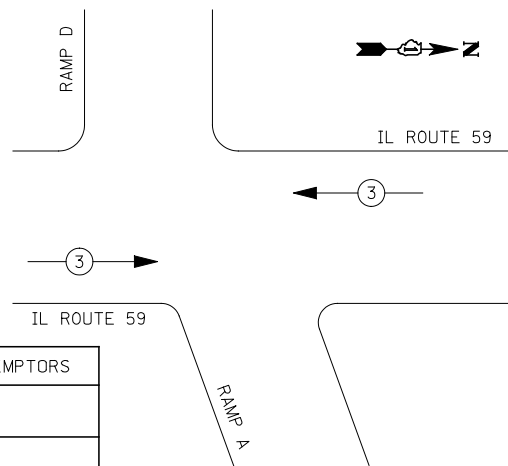
CONSTRUCTION NOTES:

- 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.
- ANY TEMPORARY TRAFFIC SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED.
- OVERLAP A SHALL BE DEACTIVATED DURING STAGE 1 AND ITS ASSOCIATED RIGHT TURN ARROW INDICATIONS SHALL BE BAGGED AND TURNED OFF.

PRESTAGE AND STAGE 1



**TEMPORARY PHASE DESIGNATION DIAGRAM
PRESTAGE AND STAGE 1**



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	
MOVEMENT	←	→

**EMERGENCY VEHICLE PREEMPTION SEQUENCE
PRESTAGE AND STAGE 1**

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.

**TEMPORARY SIGNAL CABLE PLAN
PRESTAGE AND STAGE 1**

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	INCAND.	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

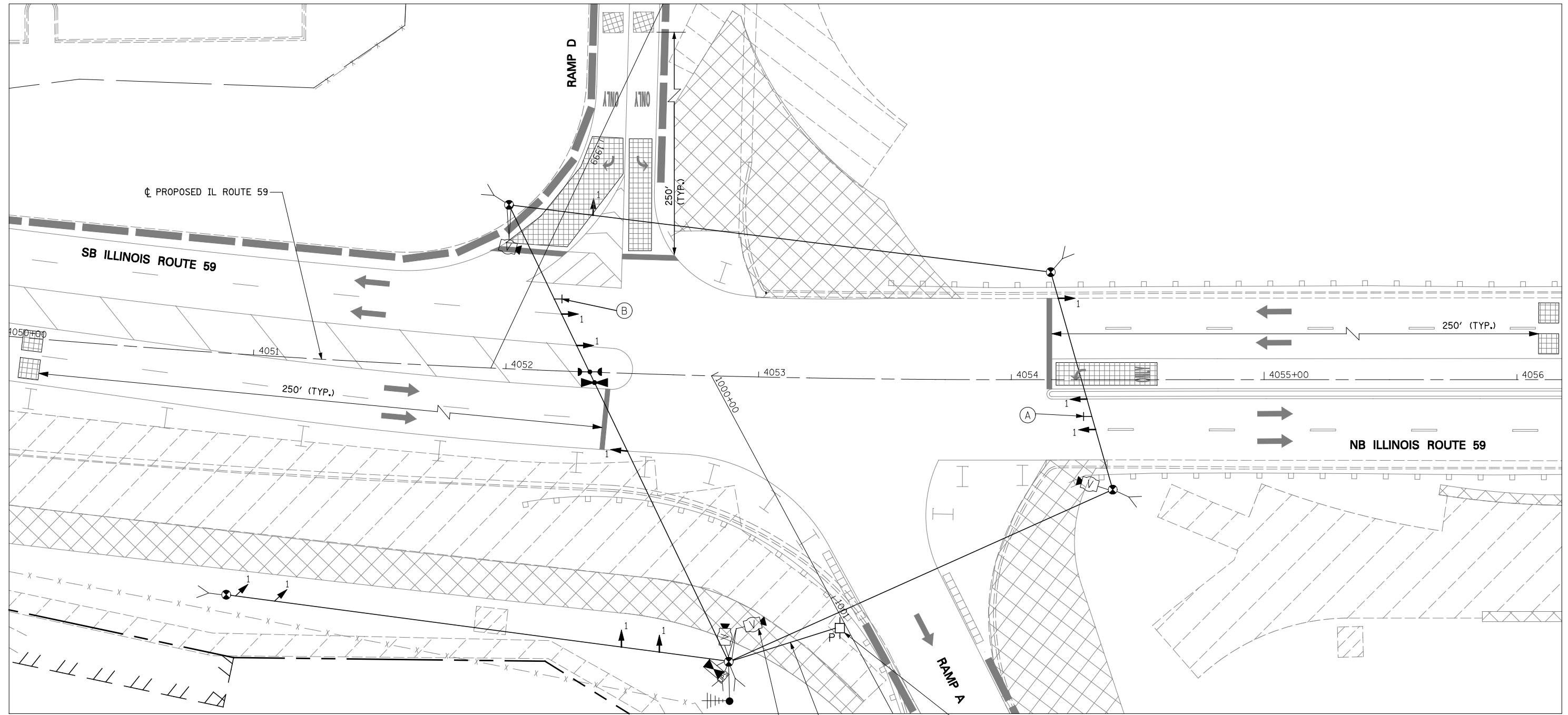
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#FILE#		DRAWN <i>KES</i>	REVISED -
		CHECKED <i>JCM</i>	REVISED -
		DATE <i>10/15/2012</i>	REVISED -

**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**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	432
TS-17			CONTRACT NO. 60131	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 17 OF 53 SHEETS STA. TO STA.







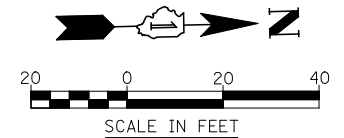
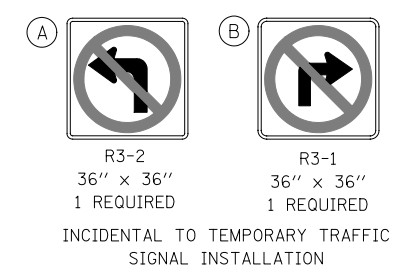
STAGE 1 TEMPORARY TRAFFIC SIGNALS
SEE SHEET TS-17 FOR STAGE 1 TEMPORARY CABLE PLAN

AERIAL SERVICE CABLE
USE EXISTING SERVICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION
THIS VIDEO DETECTION CAMERA TO BE DEACTIVATED DURING PRESTAGE, STAGES 1, 1A, 1B AND 2; CAMERA LOCATED ON THE SOUTHWEST CORNER SHALL BE USED FOR DETECTION ON SOUTHBOUND IL ROUTE 59. SEE TEMPORARY CABLE PLAN.

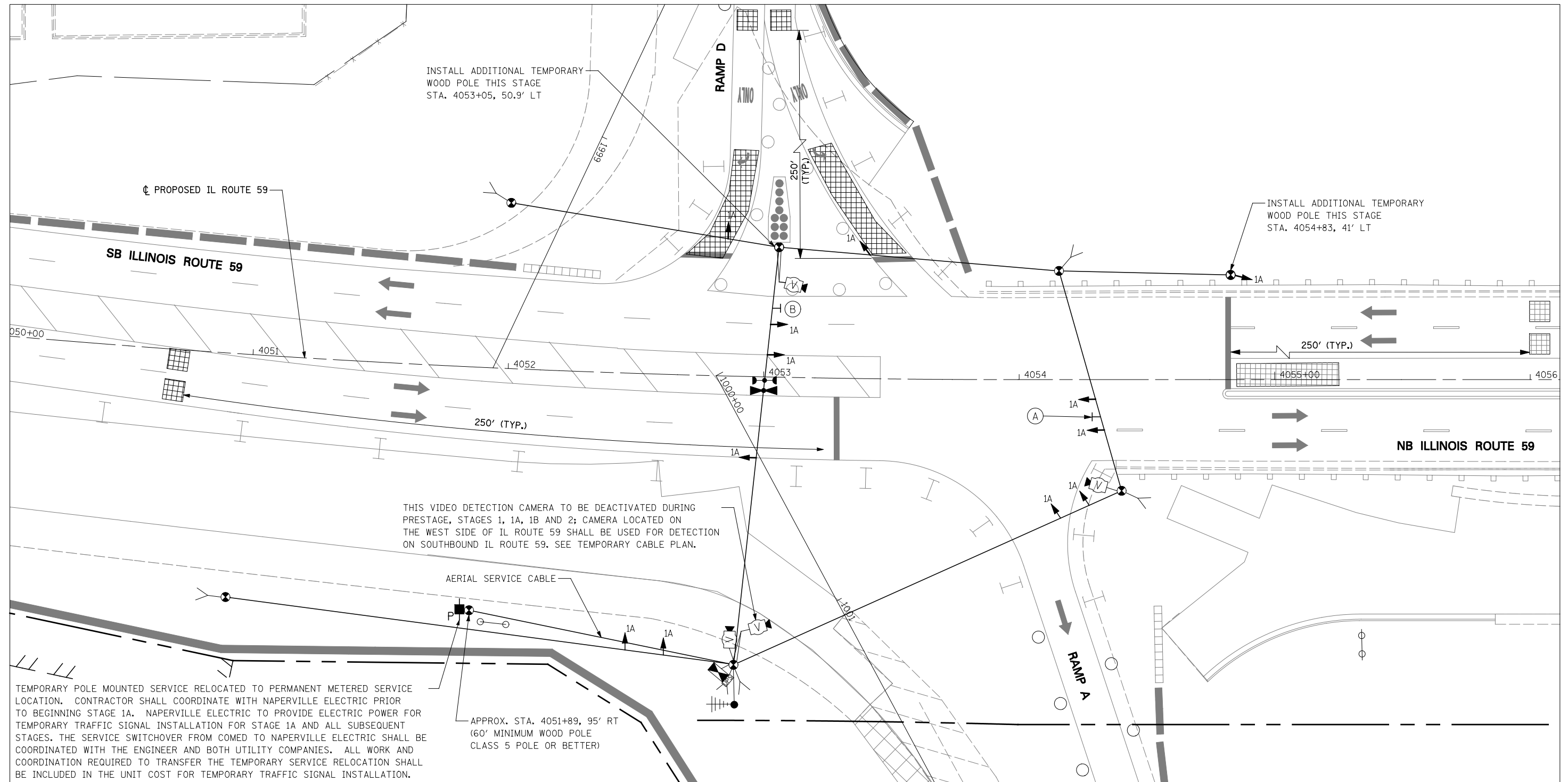
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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







FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED <i>MJM</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION MOT STAGE 1 ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>KES</i>	REVISED -		SCALE: AS SHOWN	SHEET NO. 18 OF 53 SHEETS	STA.	TO STA.	338	(112 & 113) WRS-5	DUPAGE	963	433
		CHECKED <i>JCM</i>	REVISED -		TS-18								
		DATE <i>10/15/2012</i>	REVISED -		CONTRACT NO. 60131 ILLINOIS FED. AID PROJECT								

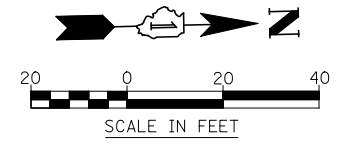
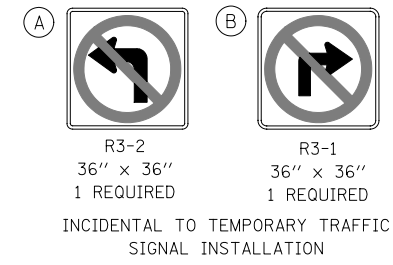


STAGE 1A TEMPORARY TRAFFIC SIGNALS
SEE SHEET TS-20 FOR STAGE 1A TEMPORARY CABLE PLAN

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 SEED 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

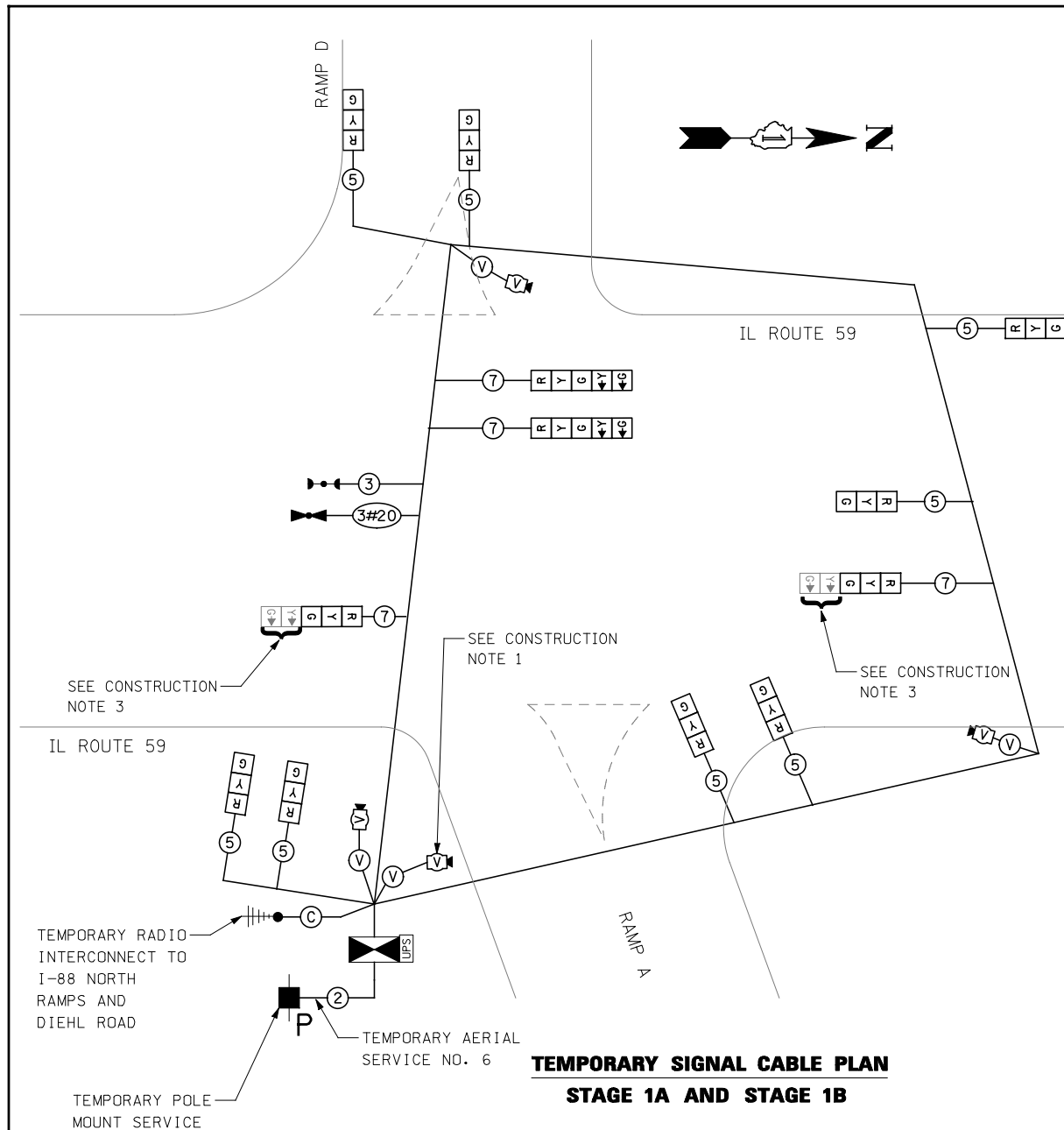


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		DATE <i>10/15/2012</i>	REVISED -

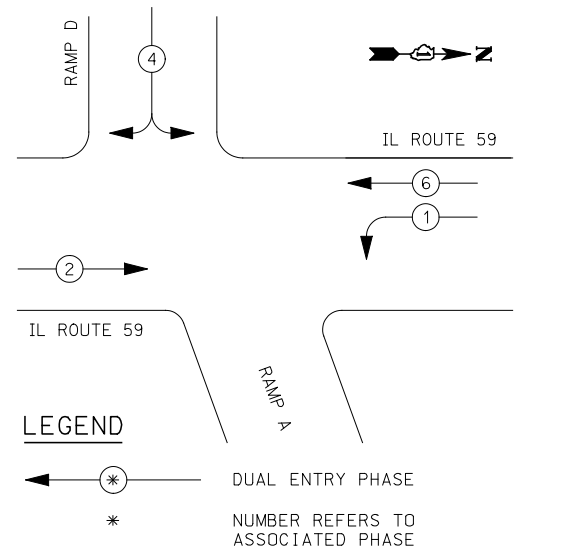
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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.	

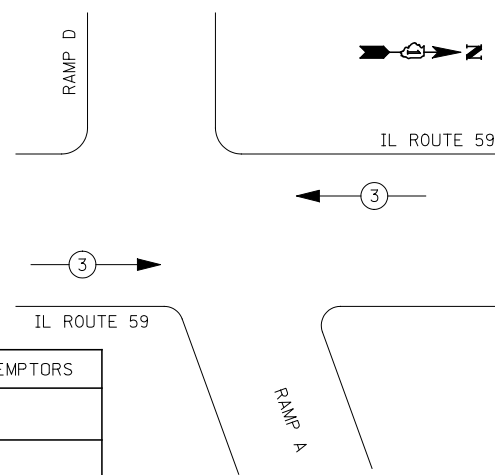
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	434
TS-19			CONTRACT NO. 60131	
ILLINOIS FED. AID PROJECT				



**TEMPORARY SIGNAL CABLE PLAN
STAGE 1A AND STAGE 1B**



**TEMPORARY PHASE DESIGNATION DIAGRAM
STAGE 1A AND STAGE 1B**



**EMERGENCY VEHICLE PREEMPTION SEQUENCE
STAGE 1A AND STAGE 1B**

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	
MOVEMENT	←	→

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 SEEDING 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

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 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.
- 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.
- 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.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 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.
- 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.
- 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 RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 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.
- 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:

- 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.
- ANY TEMPORARY TRAFFIC SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED.
- RIGHT TURN ARROW INDICATIONS SHALL BE BAGGED AND TURNED OFF DURING STAGE 1A AND STAGE 1B.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	INCAND.	LED x % 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

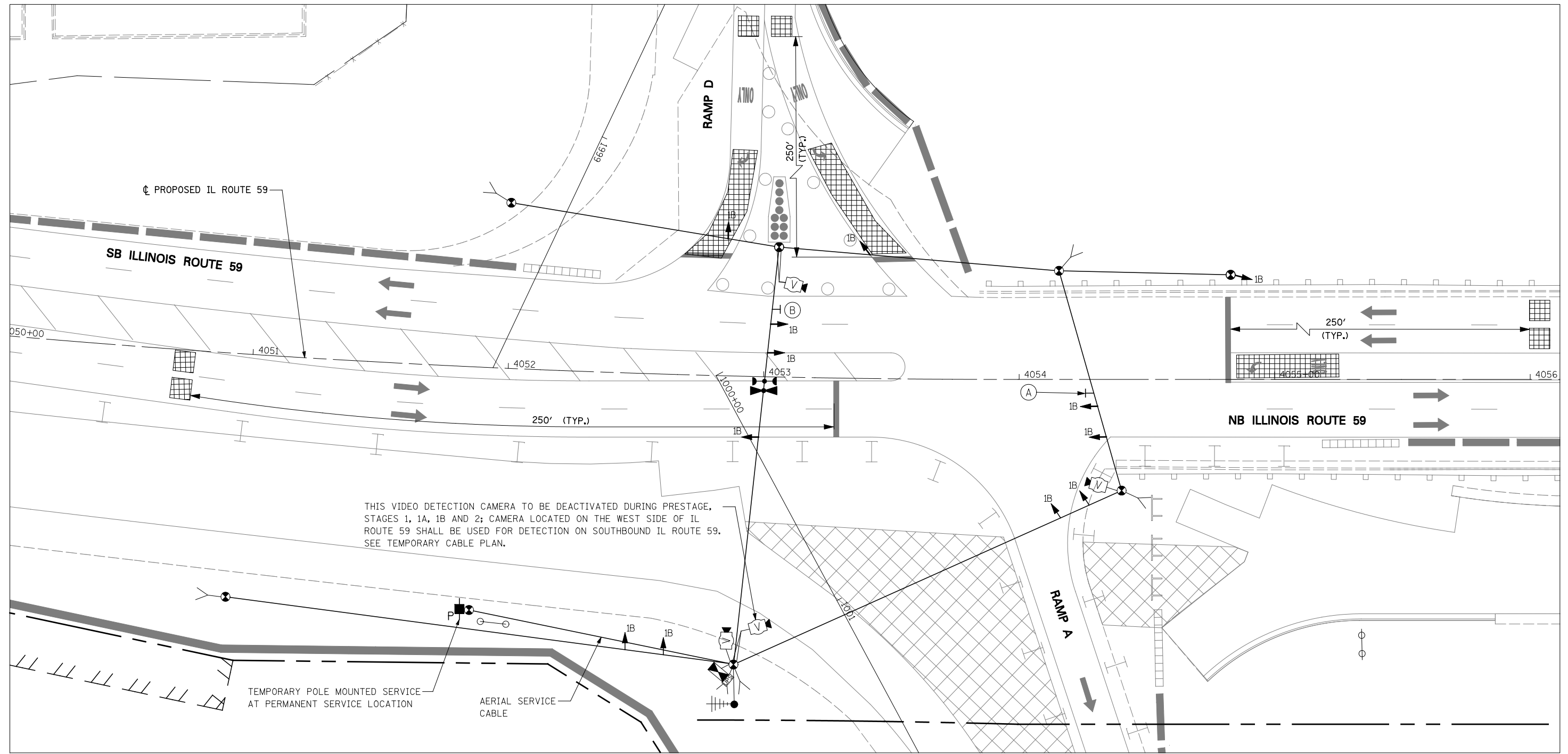
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#FILE#		DRAWN KES	REVISED -
		CHECKED JCM	REVISED -
		DATE 10/15/2012	REVISED -

**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				

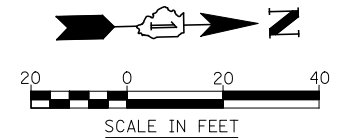
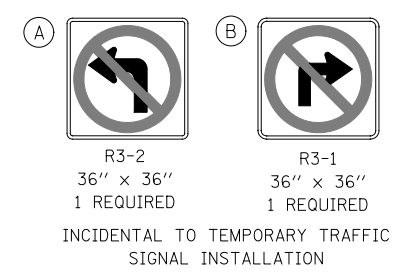


STAGE 1B TEMPORARY TRAFFIC SIGNALS
SEE SHEET TS-20 FOR STAGE 1B TEMPORARY CABLE PLAN

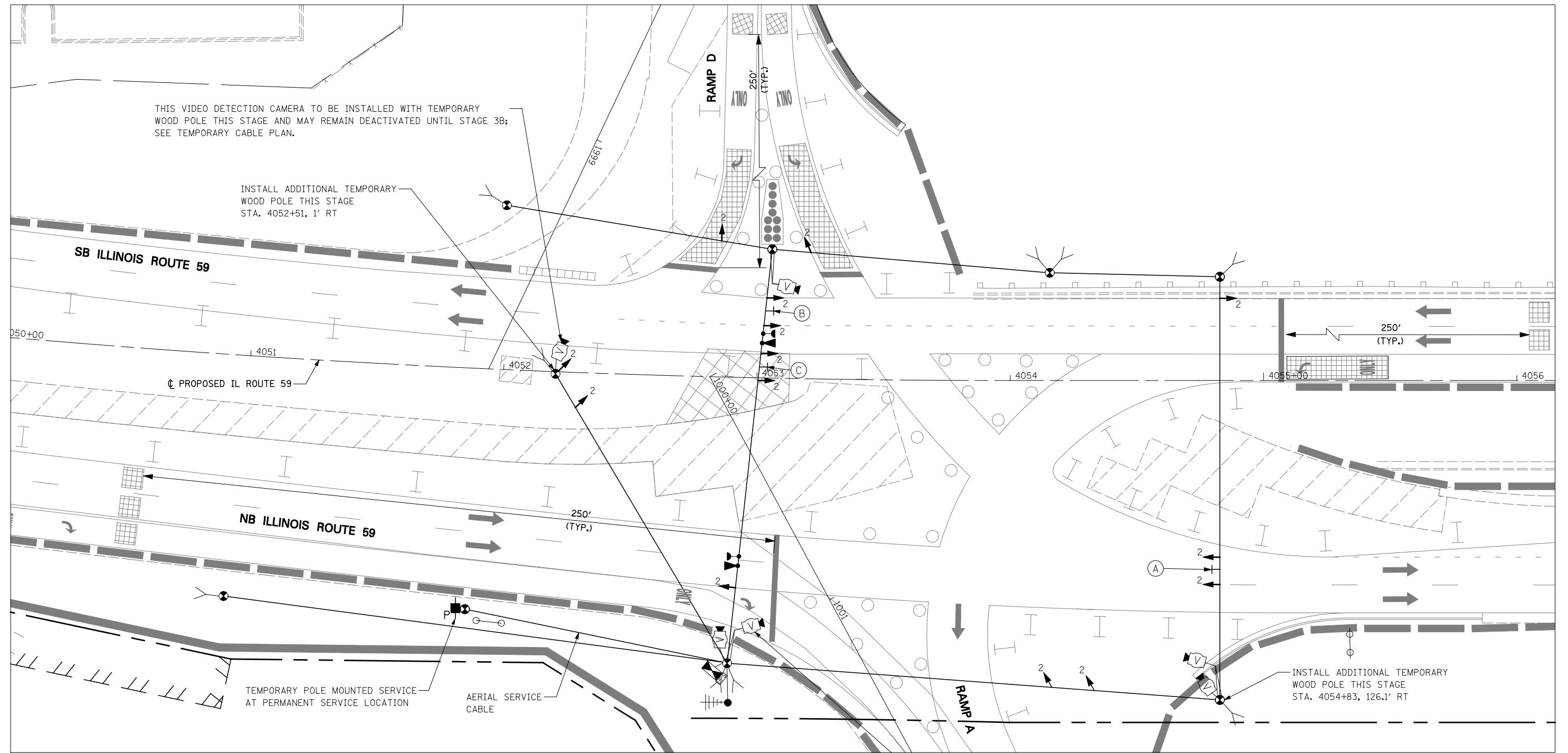
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL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



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED <i>MJM</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION MOT STAGE 1B ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>KES</i>	REVISED -		SCALE: AS SHOWN	SHEET NO. 21 OF 53 SHEETS	STA.	TO STA.	338	(112 & 113) WRS-5	DUPAGE	963	436
		CHECKED <i>JCM</i>	REVISED -						TS-21		CONTRACT NO. 60I31		
		DATE <i>10/15/2012</i>	REVISED -						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 SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

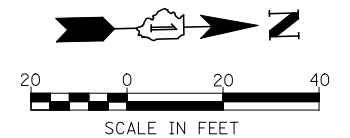
LEGEND

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

THIS VIDEO DETECTION CAMERA TO BE DEACTIVATED DURING PRESTAGE, STAGES 1, 1A, 1B AND 2; CAMERA LOCATED ON THE WEST SIDE OF IL ROUTE 59 SHALL BE USED FOR DETECTION ON SOUTHBOUND IL ROUTE 59. SEE TEMPORARY CABLE PLAN.

- (A)**  R3-2
36" x 36"
1 REQUIRED
- (B)**  R3-1
36" x 36"
1 REQUIRED
- (C)**  R10-5
30" x 36"
1 REQUIRED

INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



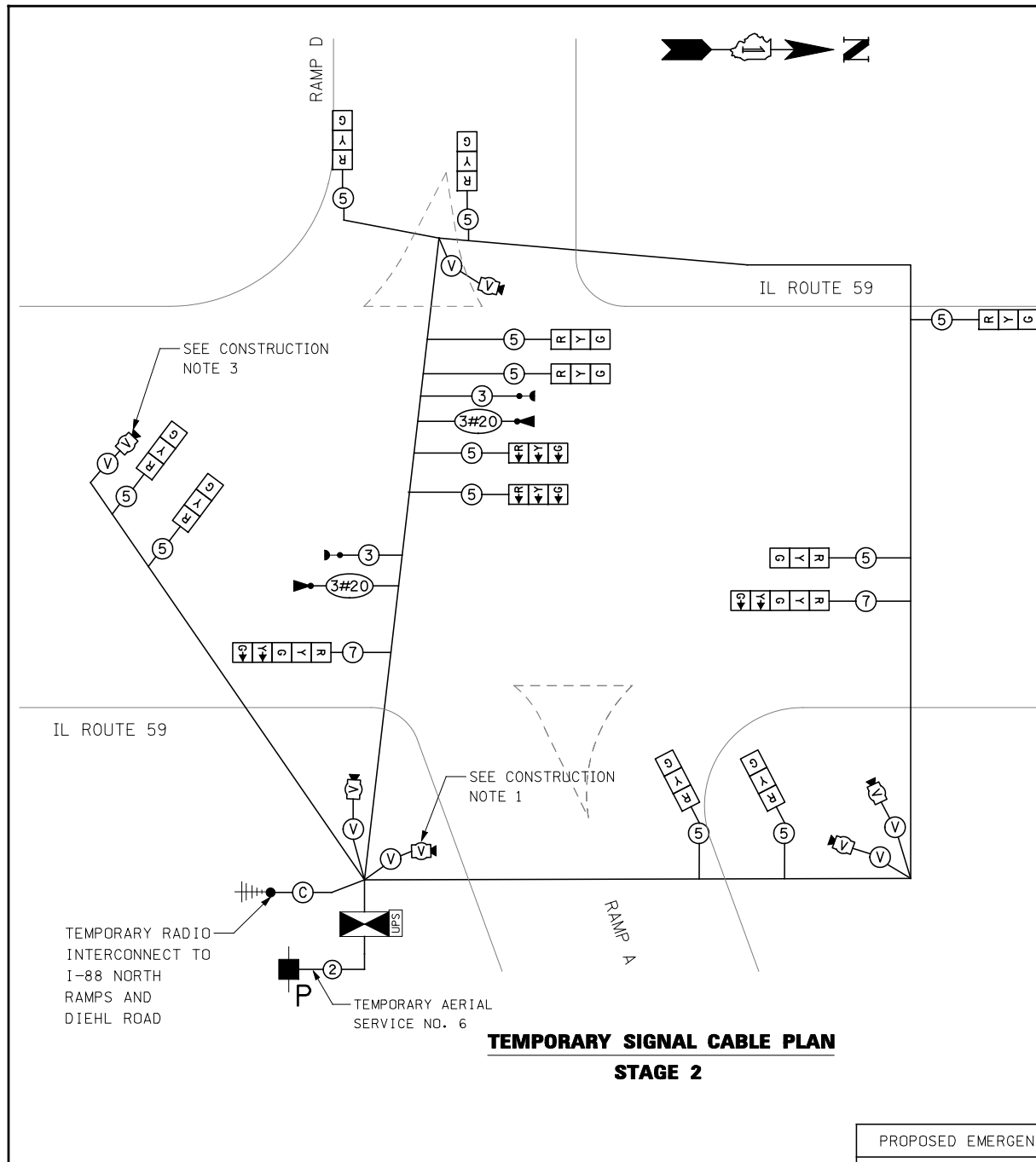
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	PLOT DATE = #DATE#	DATE <i>10/15/2012</i>	REVISED -

**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**

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	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: <u>BRIAN CHAMBERLAIN</u> PHONE: <u>630-420-6653</u> COMPANY: <u>NAPERVILLE ELECTRIC</u>					

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

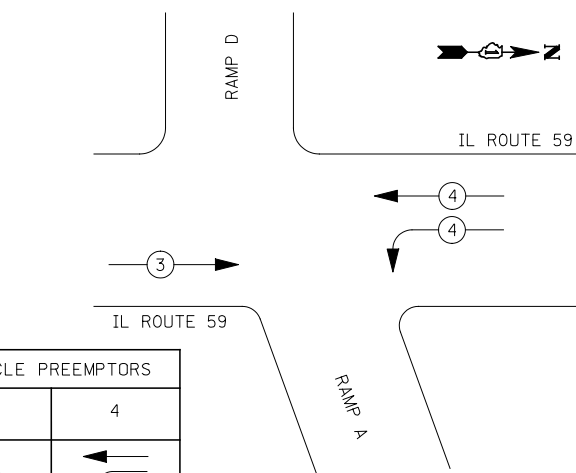
**EMERGENCY VEHICLE PREEMPTION SEQUENCE
STAGE 2**

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.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY PHASE DESIGNATION DIAGRAM
STAGE 2**



NOTES FOR TEMPORARY TRAFFIC SIGNALS

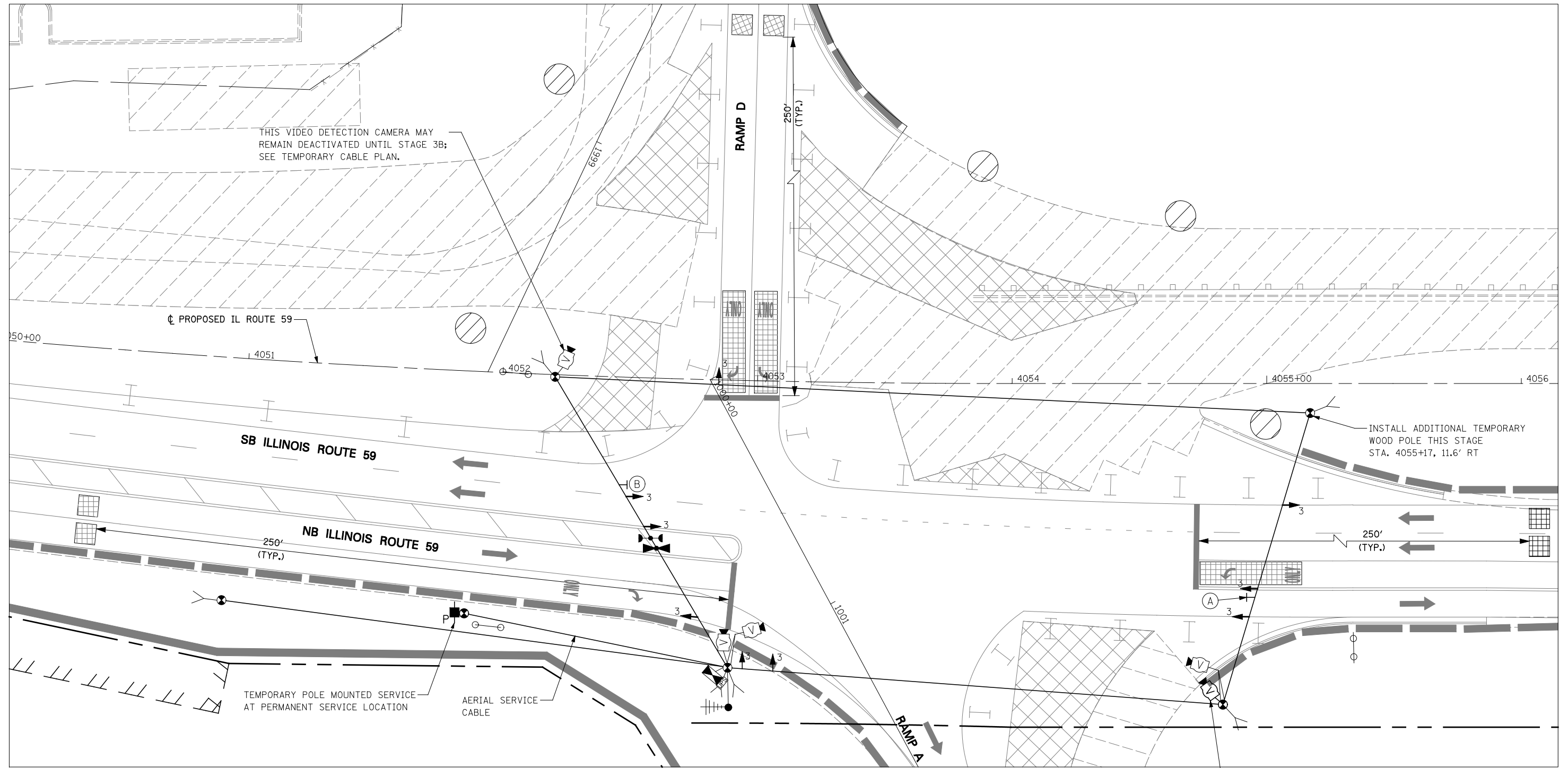
- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. 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.
- 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.
- 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.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 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.
- 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.
- 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 RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 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.
- 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:

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

STAGE 2

FILE NAME =	USER NAME = #USER#	DESIGNED <i>MJM</i>	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	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN <i>KES</i>	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	438
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PLOT DATE = #DATE#		DATE <i>10/15/2012</i>	REVISED -			SCALE:	SHEET NO. 23 OF 53 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT







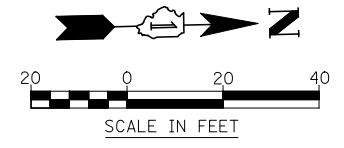
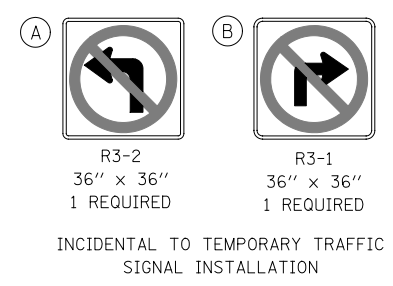
STAGE 3 TEMPORARY TRAFFIC SIGNALS
SEE SHEET TS-25 FOR STAGE 3 TEMPORARY CABLE PLAN

THIS VIDEO DETECTION CAMERA TO BE DEACTIVATED DURING STAGE 3; CAMERA LOCATED ON THE SOUTHEAST CORNER SHALL BE USED FOR DETECTION ON RAMP D. SEE 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 SEEDING 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



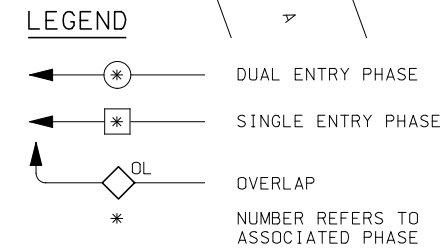
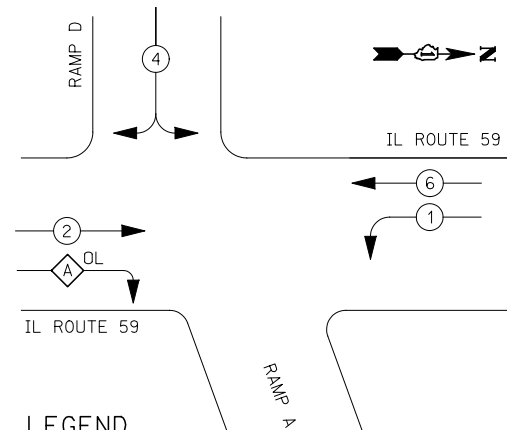
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		DRAWN <i>KES</i>	REVISED -		SCALE: AS SHOWN	SHEET NO. 24 OF 53 SHEETS	STA. TO STA.	TS-24		CONTRACT NO. 60I31		
		CHECKED <i>JCM</i>	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE <i>10/15/2012</i>	REVISED -									

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 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.
- 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.
- 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.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 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.
- 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.
- 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 RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 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.
- 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:

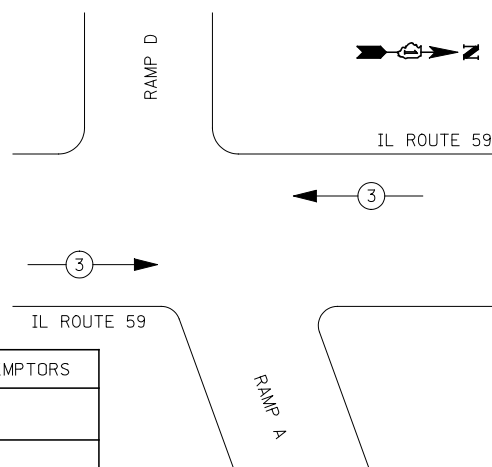
- THE VIDEO CAMERA LOCATED IN THE NORTHEAST QUADRANT IS TO BE DEACTIVATED DURING STAGE 3. THIS CAMERA WILL BE UTILIZED FOR DETECTION OF RAMP D VEHICULAR TRAFFIC DURING STAGE 3A AND STAGE 3B.
- ANY TEMPORARY TRAFFIC SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED.
- 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.
- 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.



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**

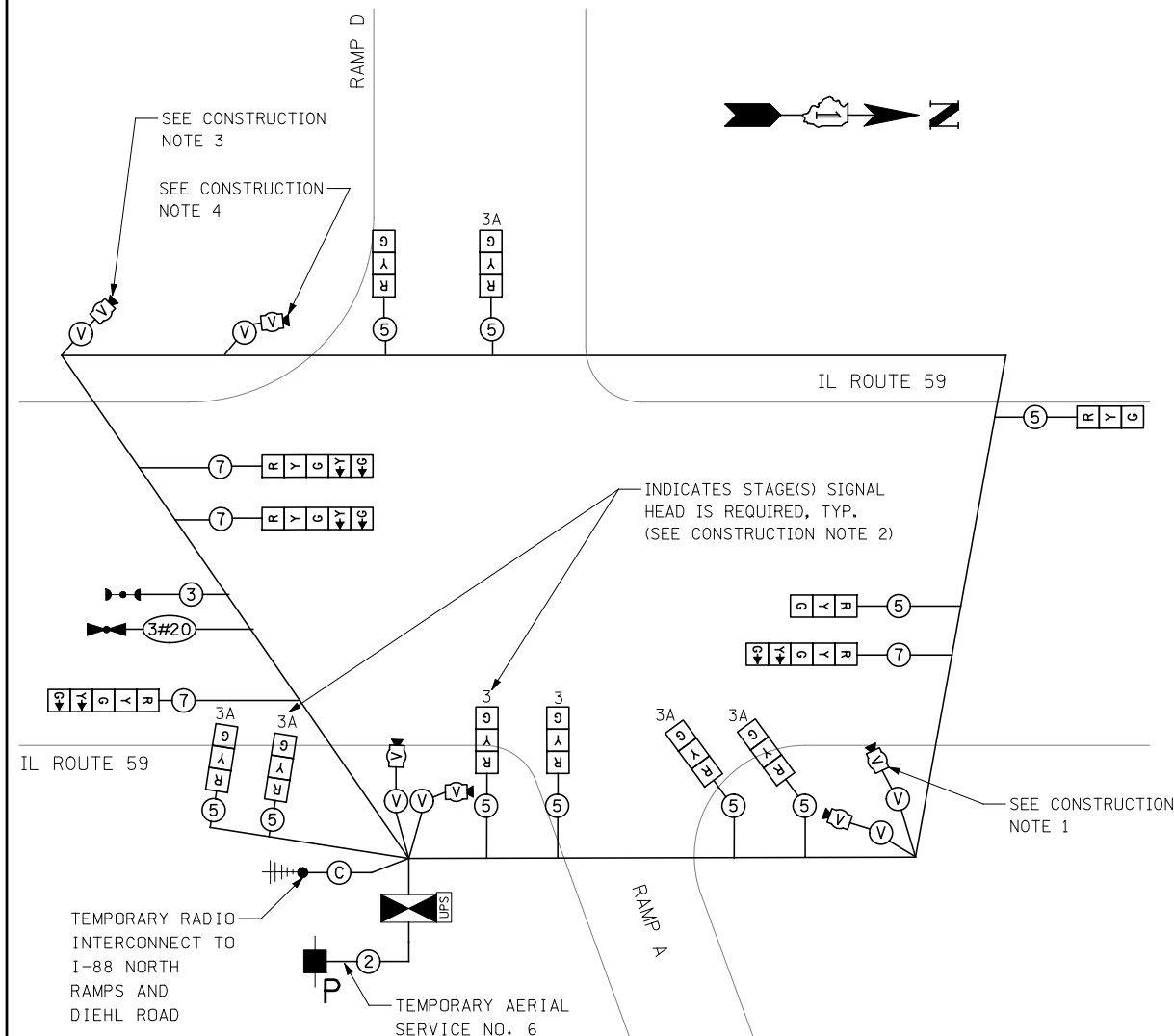


**EMERGENCY VEHICLE PREEMPTION SEQUENCE
STAGE 3 AND STAGE 3A**

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	
MOVEMENT	←	→

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.



**TEMPORARY SIGNAL CABLE PLAN
STAGE 3 AND STAGE 3A**

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	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

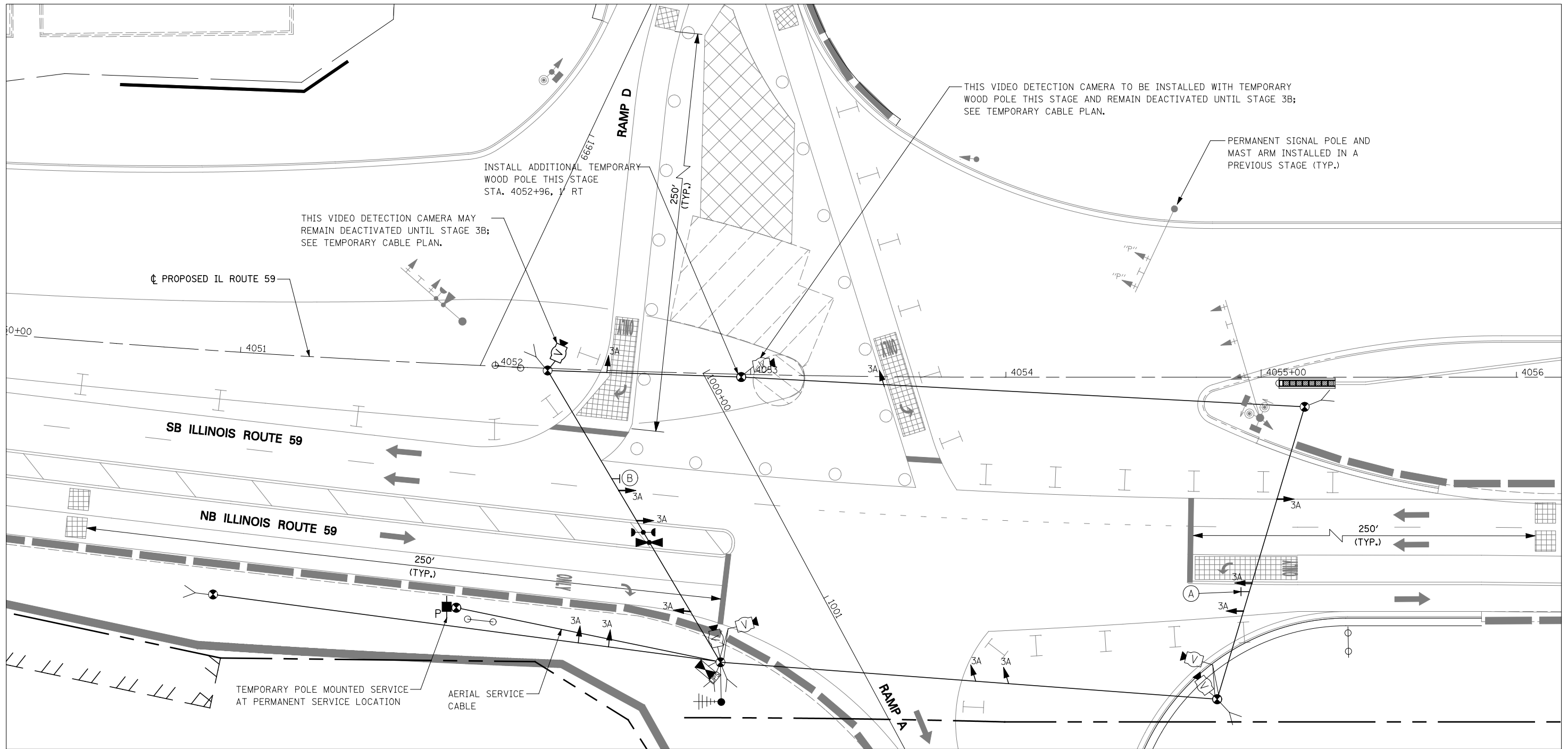
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#FILE#		DRAWN <i>KES</i>	REVISED -
		CHECKED <i>JCM</i>	REVISED -
		DATE <i>10/15/2012</i>	REVISED -

**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

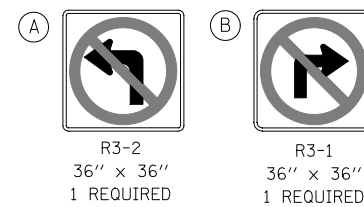
SEE SHEET TS-25 FOR STAGE 3A TEMPORARY CABLE PLAN

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 SEEDDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

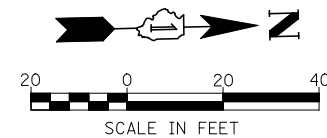
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

LEGEND

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



INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



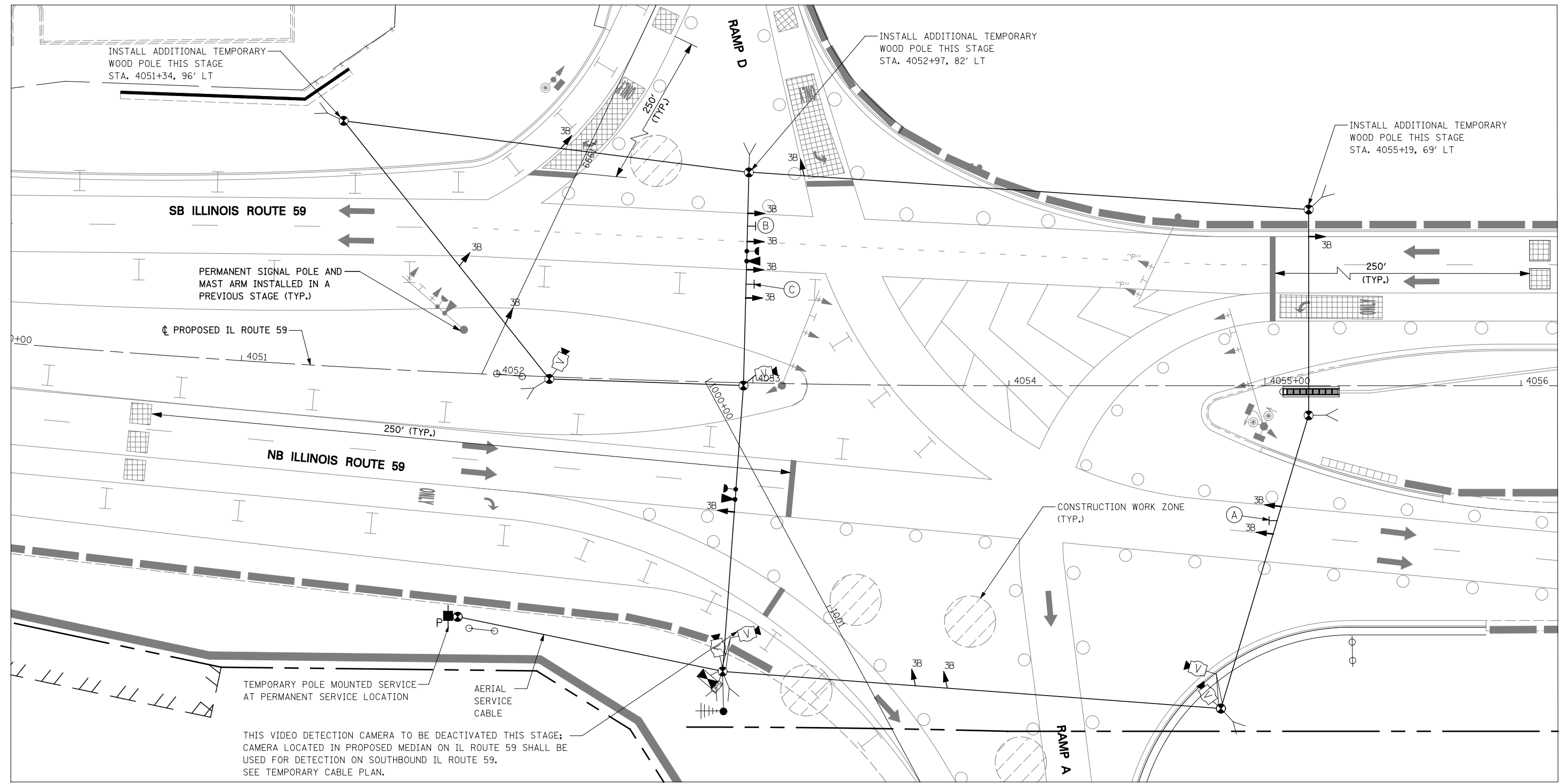
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\$FILEL#		DRAWN <i>KES</i>	REVISED -
	PLOT SCALE = \$SCALE*	CHECKED <i>JCM</i>	REVISED -
	PLOT DATE = \$DATE*	DATE <i>10/15/2012</i>	REVISED -

**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				



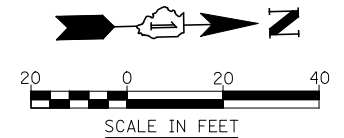
STAGE 3B TEMPORARY TRAFFIC SIGNALS
SEE SHEET TS-28 FOR STAGE 3B TEMPORARY CABLE PLAN

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 SEEDDED 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
30" x 36"
1 REQUIRED
- INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

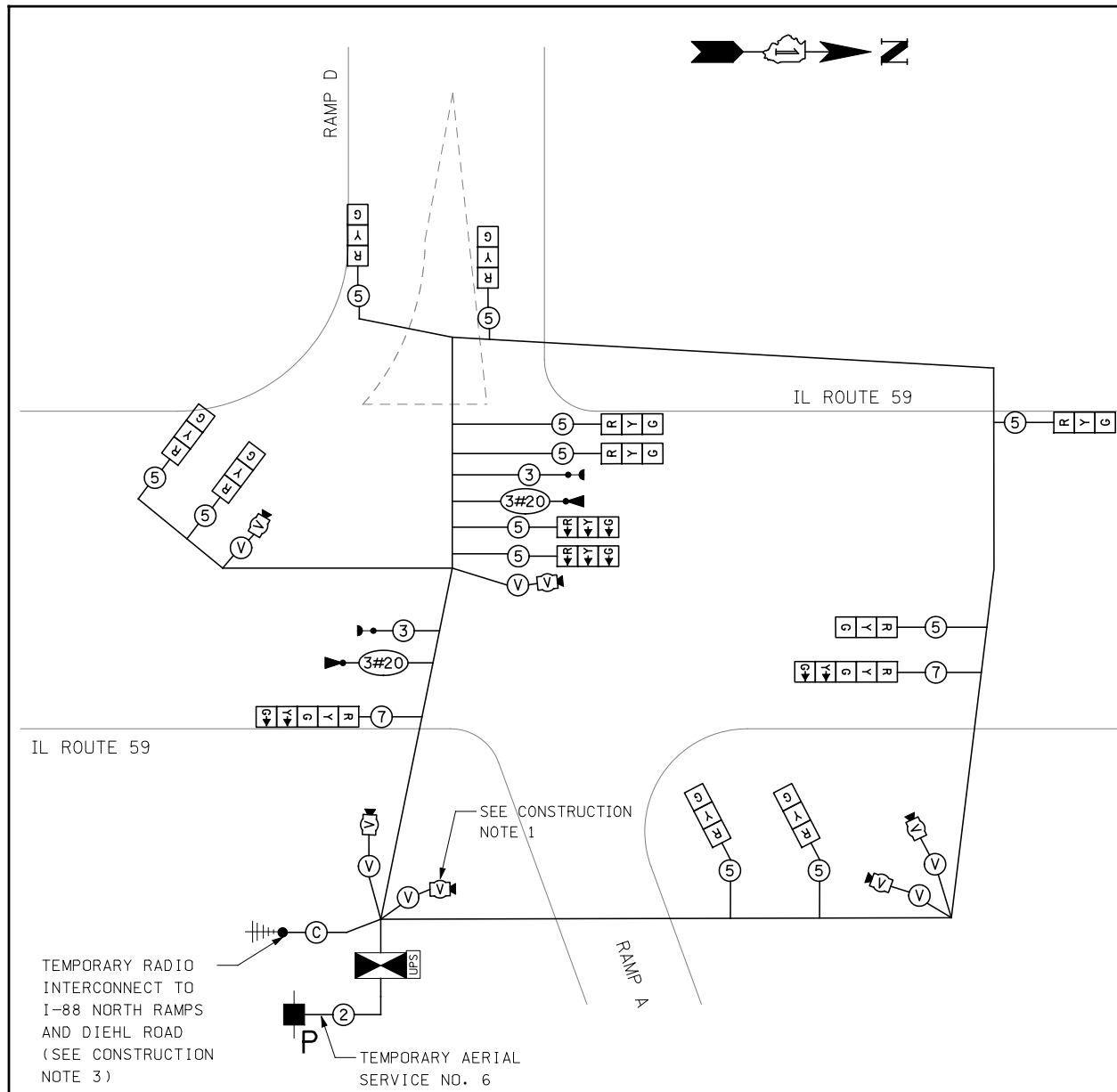


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		CHECKED <i>JCM</i>	REVISED -
		DATE <i>10/15/2012</i>	REVISED -

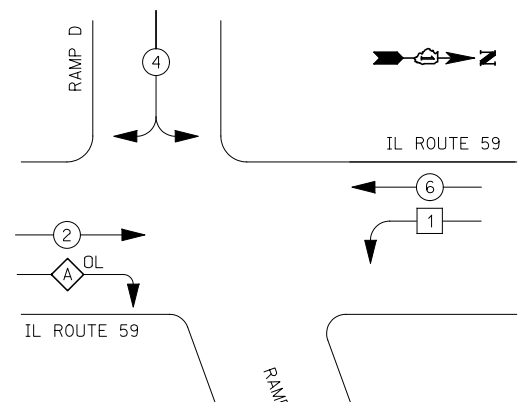
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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. 60I31	
ILLINOIS FED. AID PROJECT				



**TEMPORARY SIGNAL CABLE PLAN
STAGE 3B**



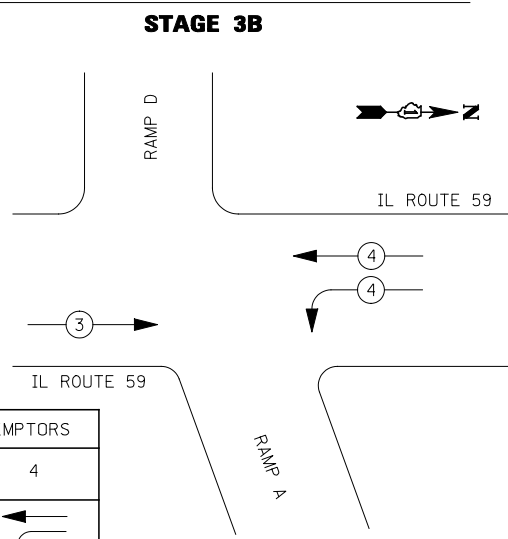
LEGEND

◉ * — 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



**EMERGENCY VEHICLE PREEMPTION SEQUENCE
STAGE 3B**

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

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 SEEDING 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

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 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.
- 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.
- 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.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 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.
- 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.
- 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 RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 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.
- 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:

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

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	INCAND.	LED	% 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

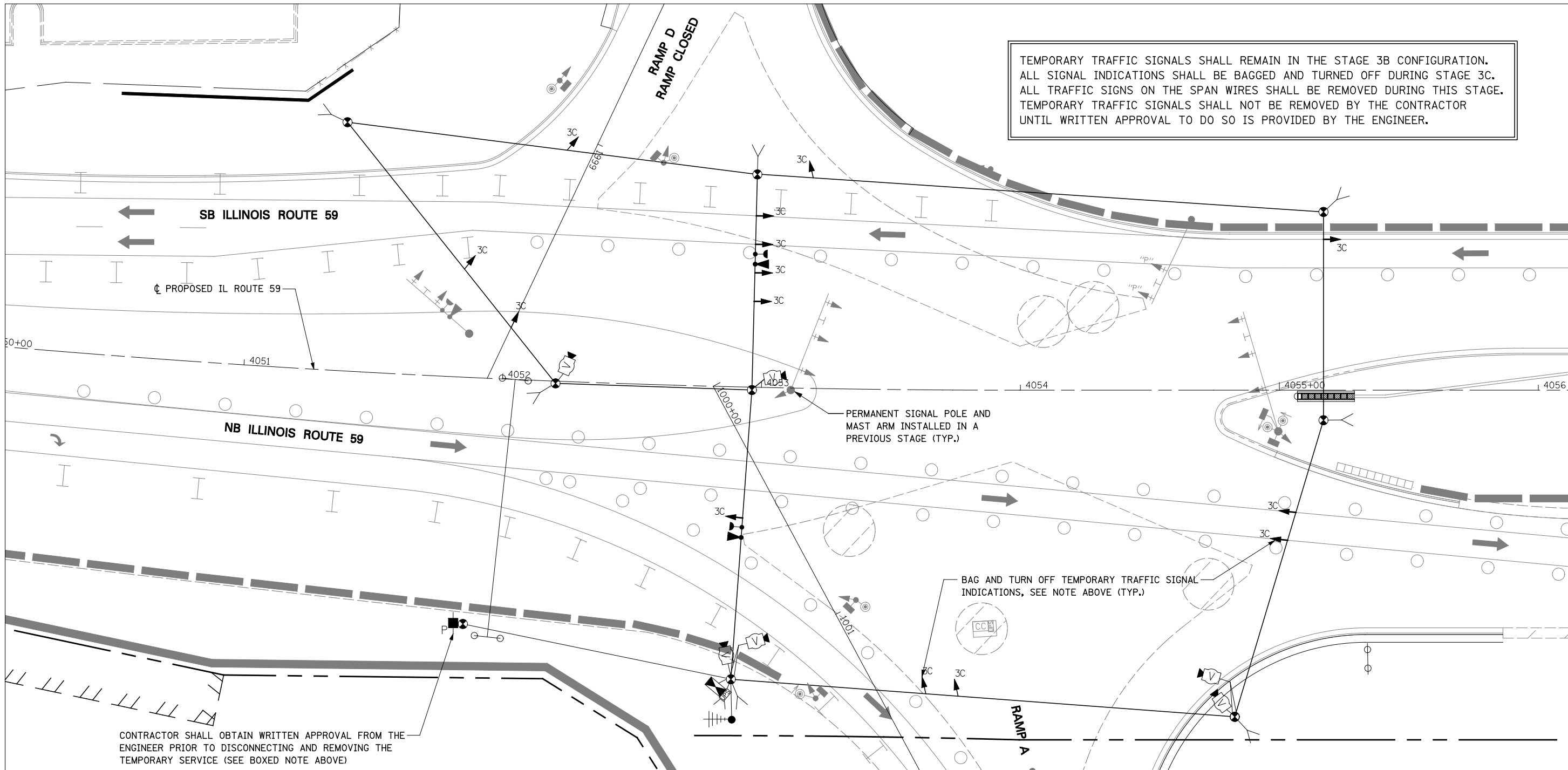
ENERGY SUPPLY: CONTACT: BRIAN CHAMBERLAIN
PHONE: 630-420-6653
COMPANY: NAPERVILLE ELECTRIC

FILE NAME =	USER NAME = #USER#	DESIGNED <u>MJM</u>	REVISED -
#FILE#		DRAWN <u>KES</u>	REVISED -
		CHECKED <u>JCM</u>	REVISED -
		DATE <u>10/15/2012</u>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILLINOIS ROUTE 59 AND I-88 SOUTH RAMPS				338	(112 & 113) WRS-5	DUPAGE	963	443
SCALE:				SHEET NO. 28 OF 53 SHEETS		STA.	TO STA.	
				TS-28		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

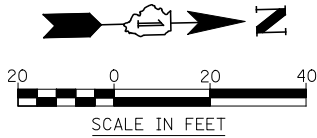
NOTE:
STAGES 4, 4A AND 4B OPERATE IN THE PROPOSED DIVERGING DIAMOND TRAFFIC PATTERN. THE INTERSECTION IS CONTROLLED BY THE PERMANENT TRAFFIC SIGNALS IN THESE STAGES. SEE PERMANENT TRAFFIC SIGNAL PLANS AND MAINTENANCE OF TRAFFIC PLANS.

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 SEEDDED 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



FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED <i>MJM</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION MOT STAGE 3C ILLINOIS ROUTE 59 AND I-55 SOUTH RAMPS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN <i>KES</i>	REVISED -		338	(112 & 113) WRS-5	DUPAGE	963	444			
		CHECKED <i>JCM</i>	REVISED -		TS-29				CONTRACT NO. 60131			
		DATE <i>10/15/2012</i>	REVISED -		ILLINOIS	FED. AID PROJECT						
				SCALE: AS SHOWN	SHEET NO. 29 OF 53 SHEETS	STA.	TO STA.					

NOTES

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

MATCH LINE STA. 922+50 (NB)

MATCH LINE STA. 822+56 (SB)

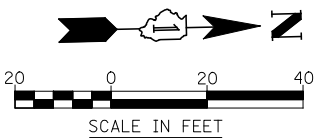
(A) NO TURNS
R3-3
36" x 36"
2 REQUIRED

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

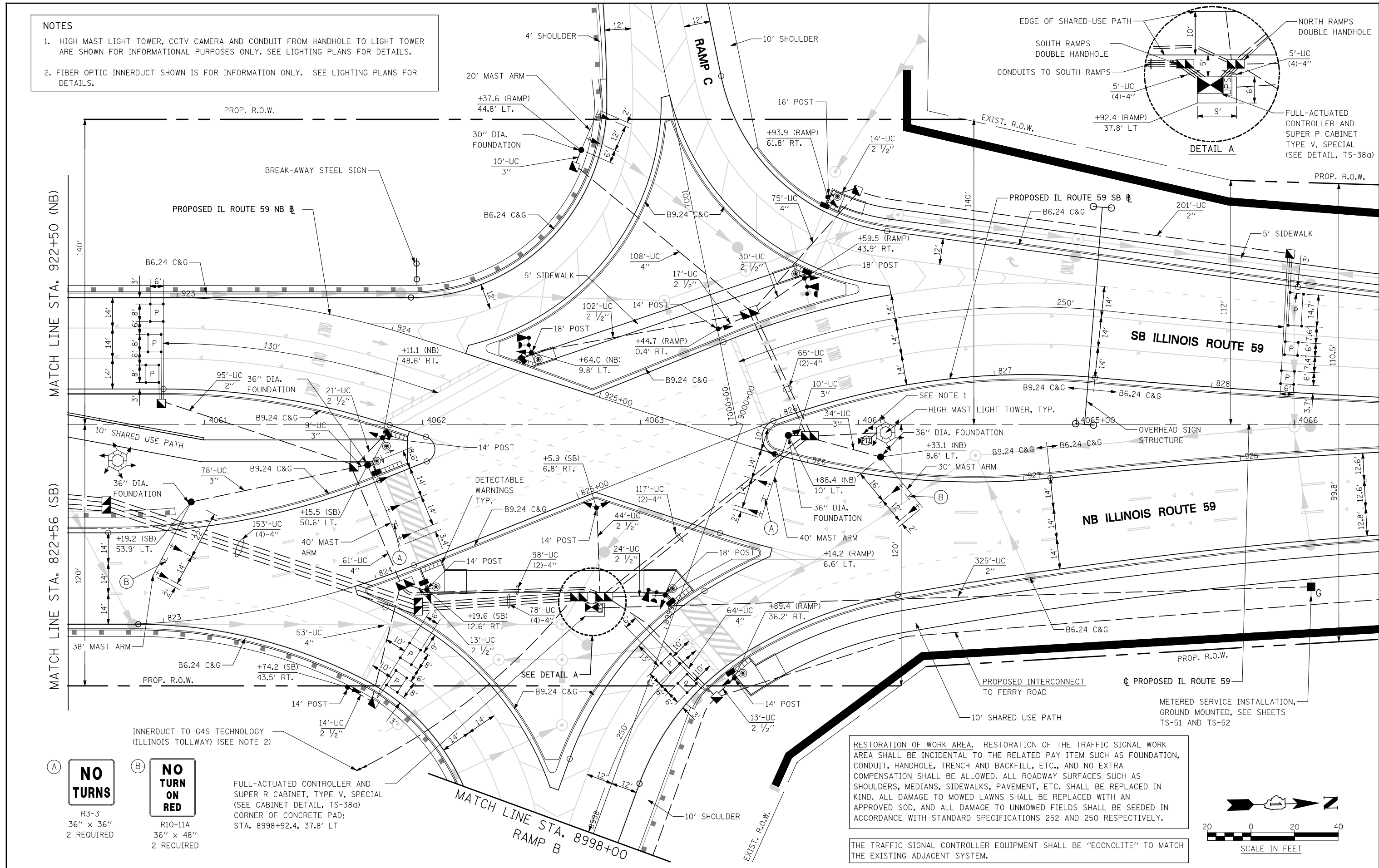
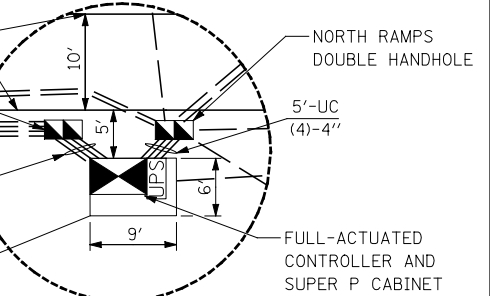
FULL-ACTUATED CONTROLLER AND SUPER R CABINET, TYPE V, SPECIAL (SEE CABINET DETAIL, TS-38a) CORNER OF CONCRETE PAD; STA. 8998+92.4, 37.8' LT

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 SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

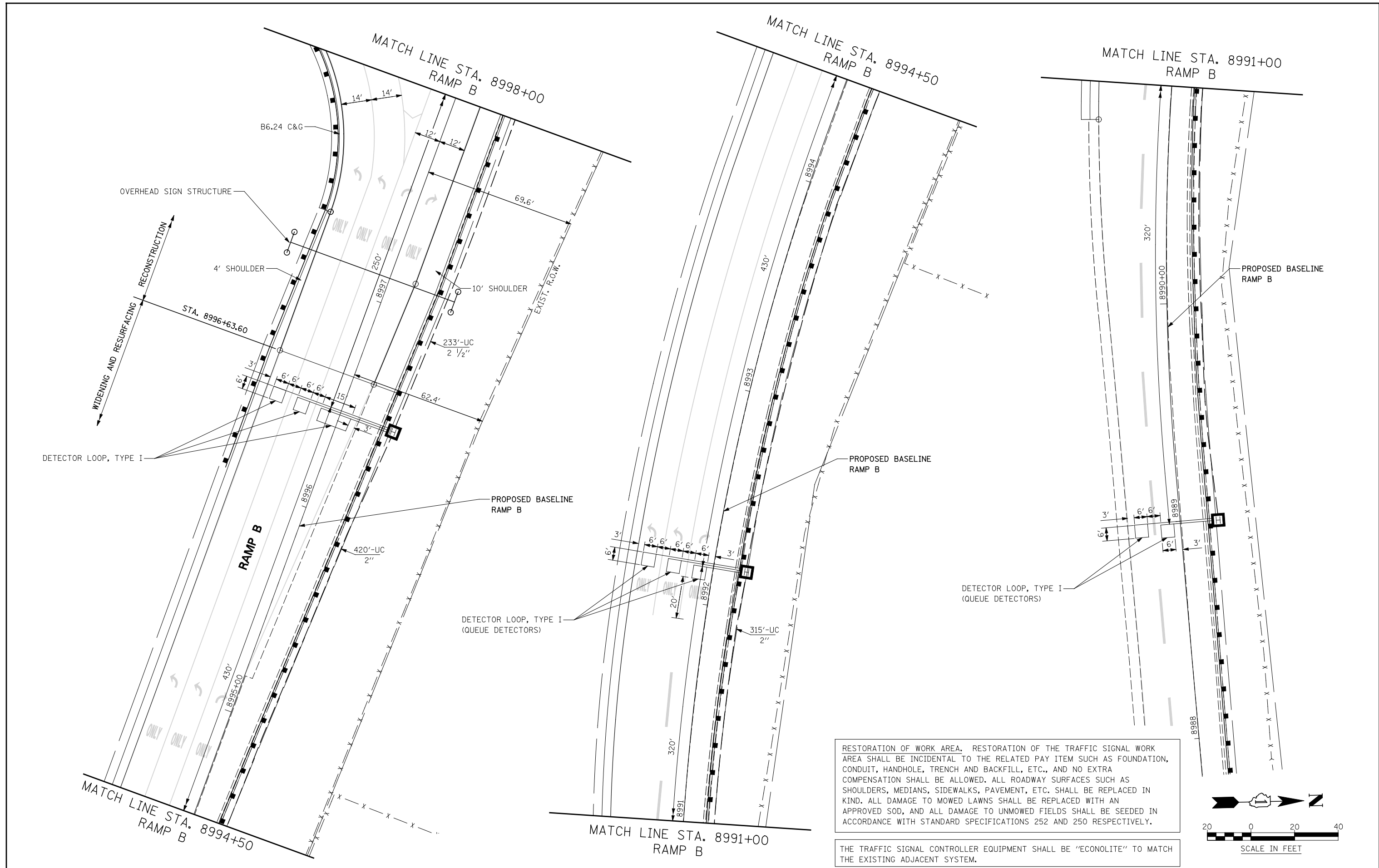
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



DETAIL A



FILE NAME =	USER NAME = #USER*	DESIGNED <i>MJM</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TRAFFIC SIGNAL PLAN ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN <i>KES</i>	REVISED -		338	(112 & 113) WRS-5	DUPAGE	963	445			
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PLOT DATE = #DATE#		DATE <i>10/15/2012</i>	REVISED -		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 SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

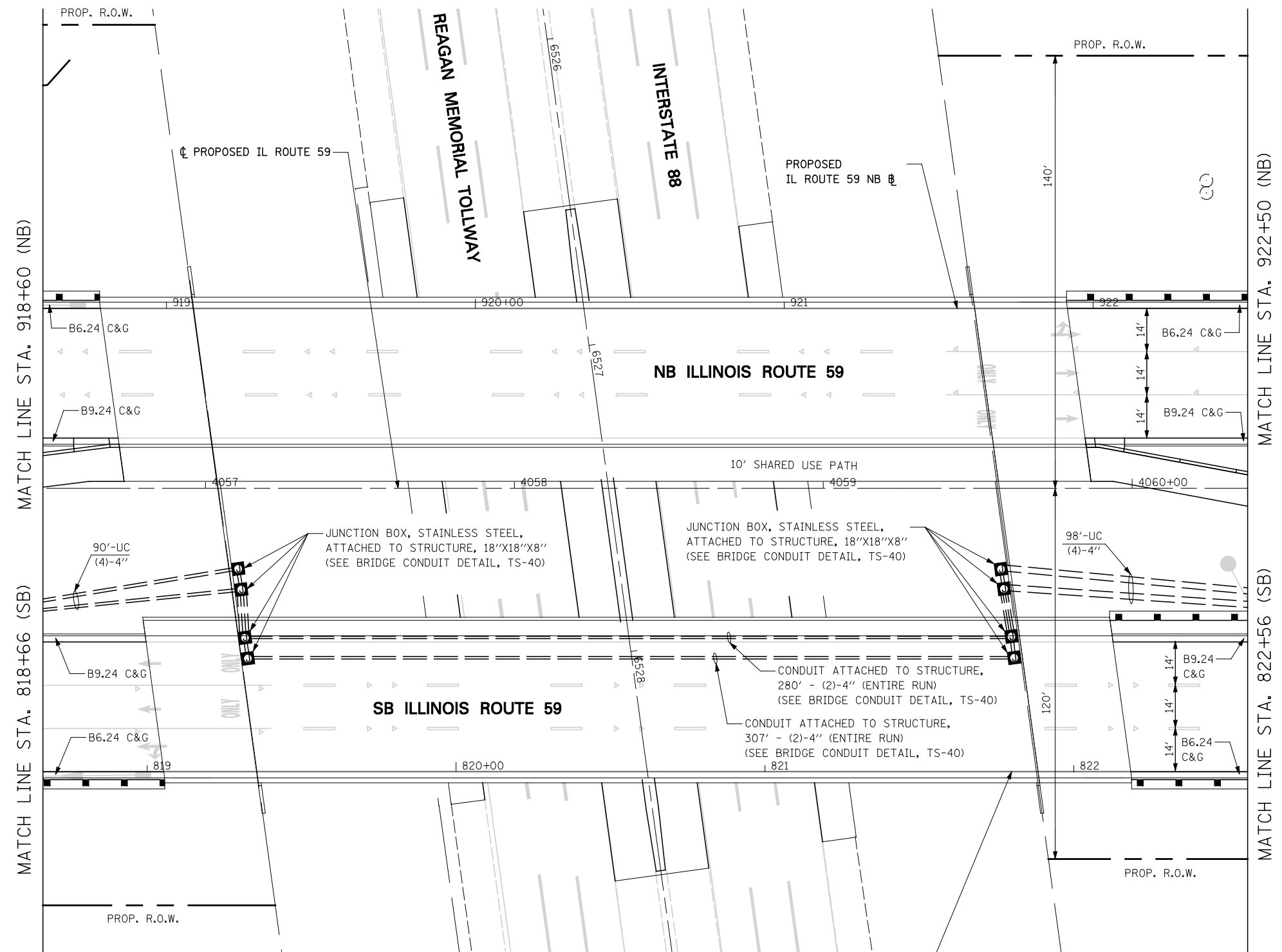
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	PLOT SCALE = #SCALE*	CHECKED <i>JCM</i>	REVISED -
	PLOT DATE = #DATE*	DATE <i>10/15/2012</i>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

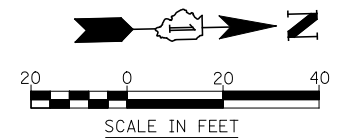
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	446
TS-31			CONTRACT NO. 60131	
ILLINOIS FED. AID PROJECT				

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



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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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

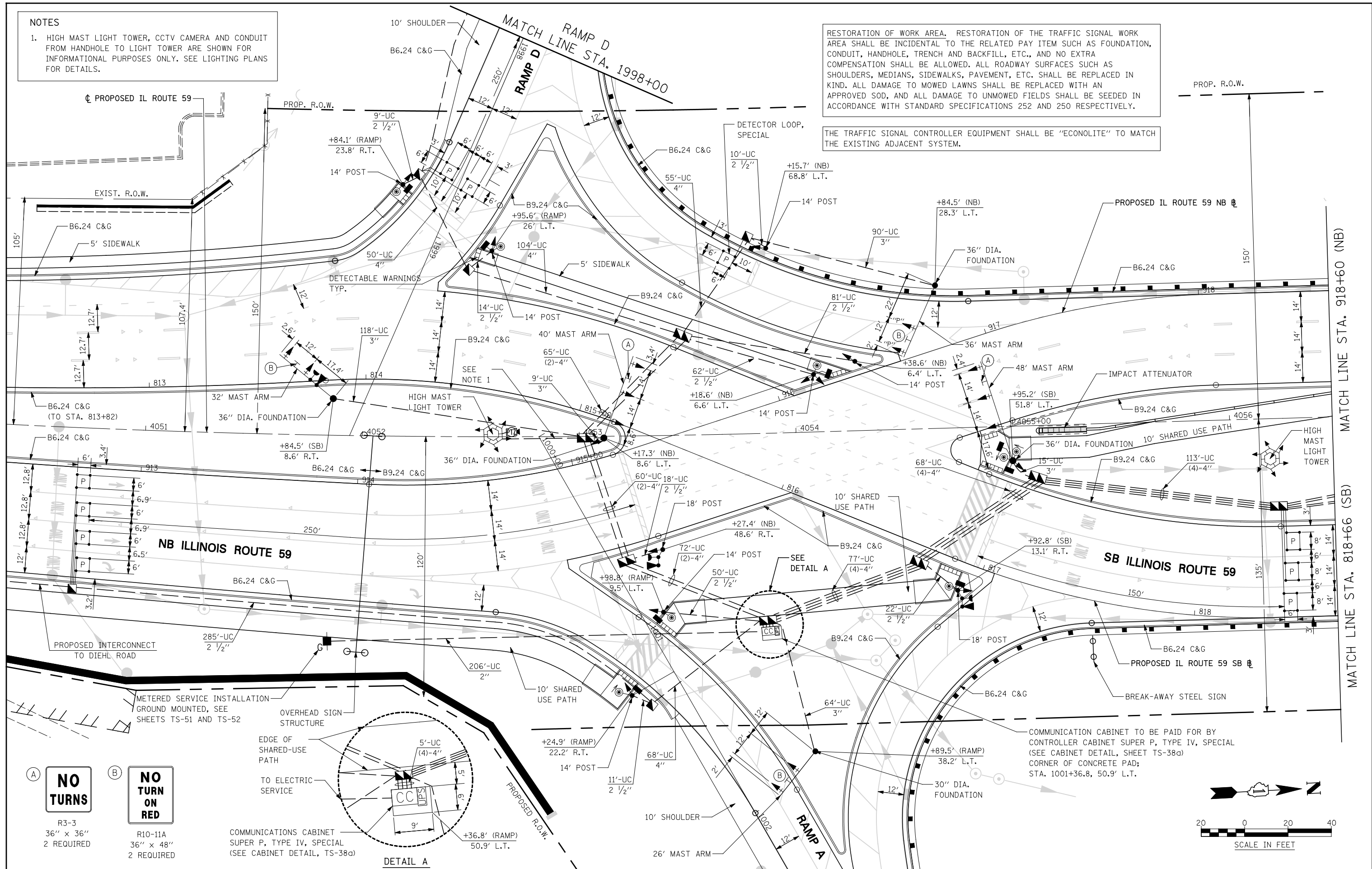
PROPOSED TRAFFIC SIGNAL PLAN ILLINOIS ROUTE 59 AND I-88 NORTHSOUTH RAMPS			
SCALE: AS SHOWN	SHEET NO. 32 OF 53 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	447
TS-32			CONTRACT NO. 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.

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 SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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



(A) NO TURNS
 R3-3
 36" x 36"
 2 REQUIRED

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

COMMUNICATIONS CABINET SUPER P, TYPE IV, SPECIAL (SEE CABINET DETAIL, TS-38a)

DETAIL A

FILE NAME =
 #FILE#

USER NAME = #USER#
 DESIGNED *MJM*
 DRAWN *KES*
 CHECKED *JCM*
 DATE *10/15/2012*

REVISED -
 REVISED -
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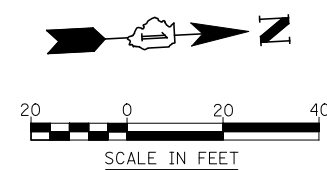
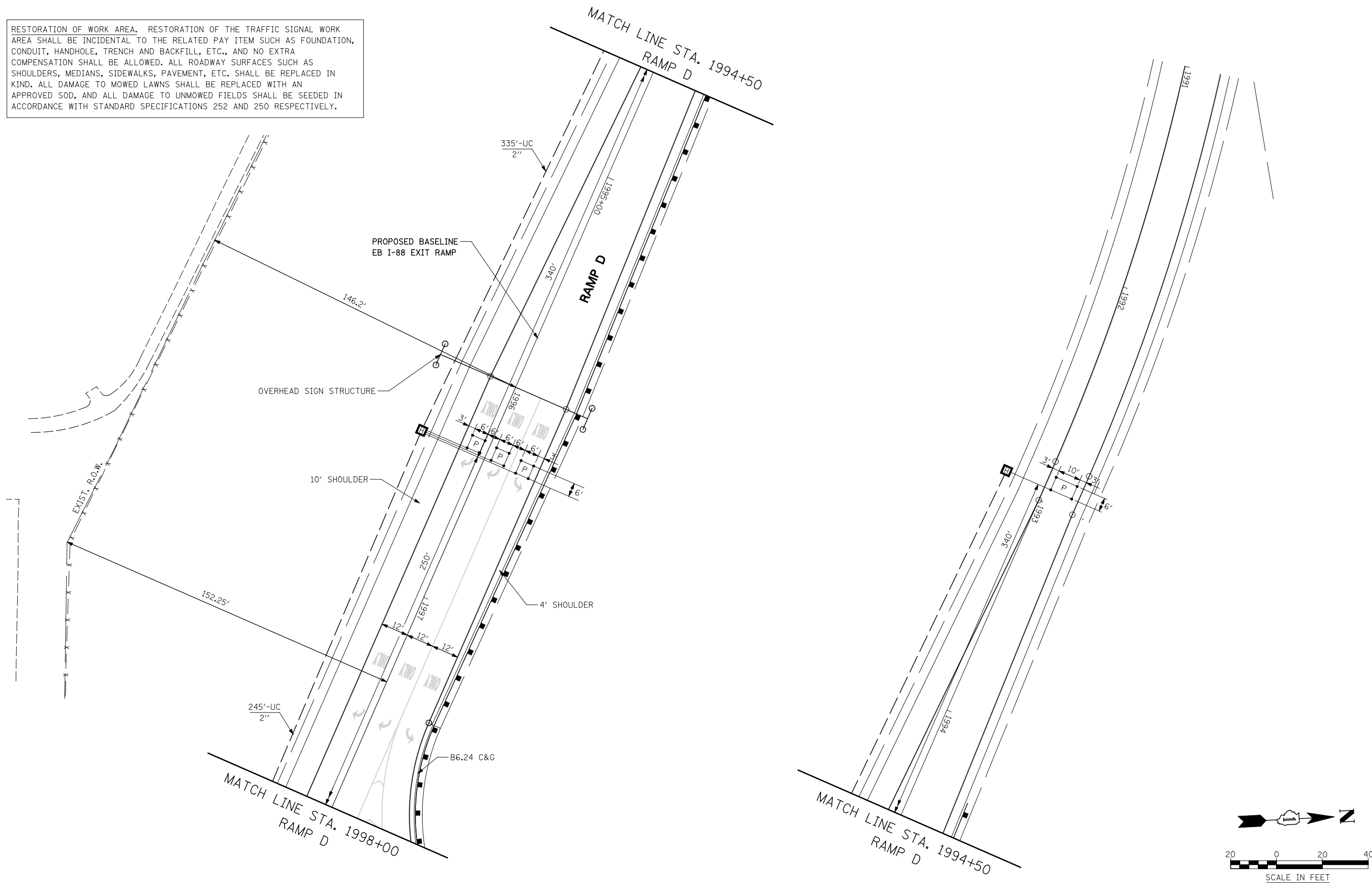
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLAN
 IL ROUTE 59 AND I-88 SOUTH RAMPS**

SCALE: AS SHOWN SHEET NO. 33 OF 53 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	448
TS-33			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.



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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLAN
IL ROUTE 59 AND I-88 SOUTH RAMPS**

SCALE: AS SHOWN SHEET NO. 34 OF 53 SHEETS STA. TO STA.

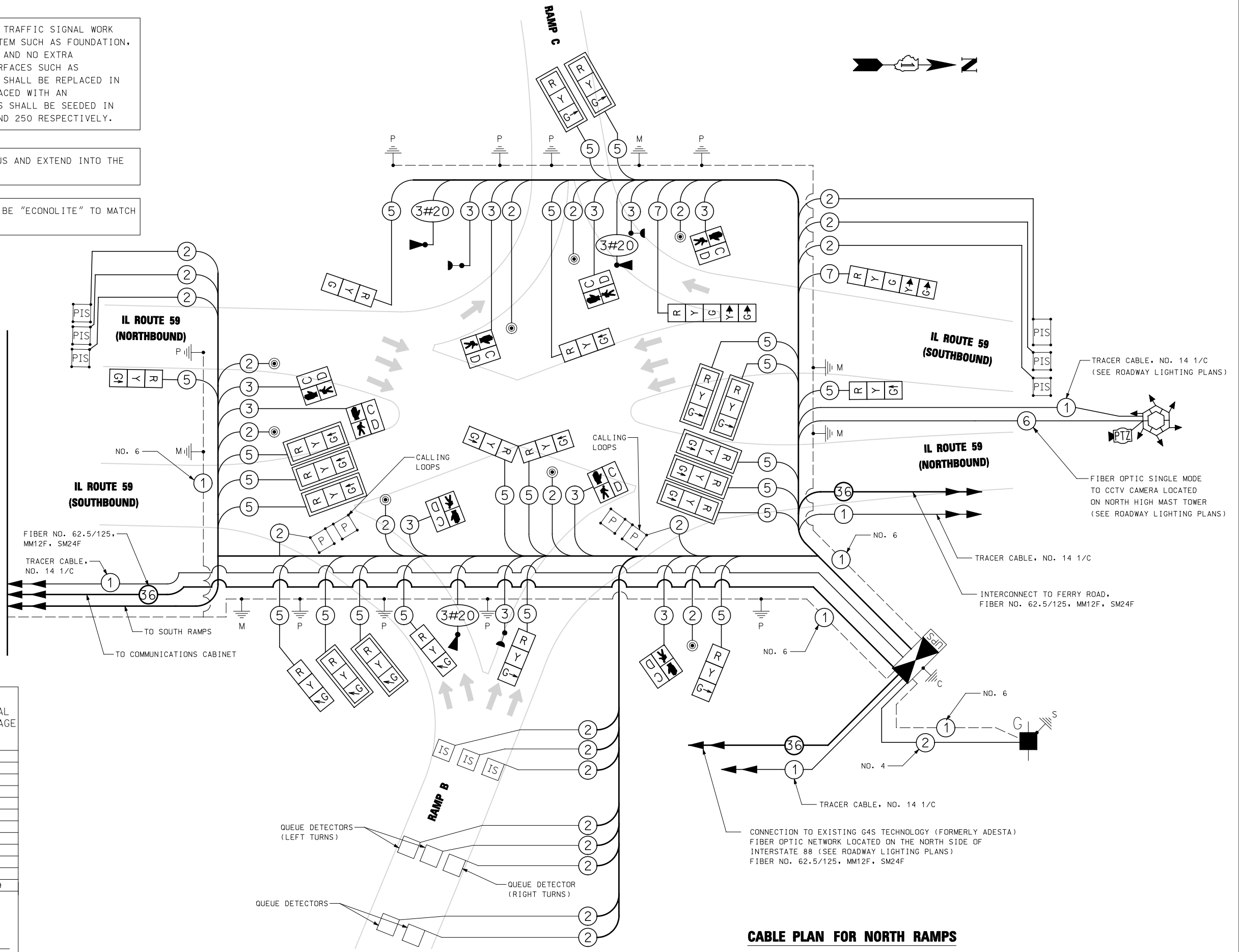
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	449
TS-34			CONTRACT NO. 60I31	
ILLINOIS FED. AID PROJECT				

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 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.

MATCH LINE A
(SEE SOUTH RAMPS CABLE PLAN)



CABLE PLAN FOR NORTH RAMPS

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	INCAND.	WATTAGE LED × % 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: <u>BRIAN CHAMBERLAIN</u> PHONE: <u>630-420-6653</u> COMPANY: <u>NAPERVILLE ELECTRIC</u>					

FILE NAME =	USER NAME = #USER#	DESIGNED <u>MJM</u>	REVISED -
#FILE#		DRAWN <u>KES</u>	REVISED -
		CHECKED <u>JCM</u>	REVISED -
		DATE <u>10/15/2012</u>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CABLE PLAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILLINOIS ROUTE 59 AND I-88 NORTH RAMPS		338	(112 & 113) WRS-5	DUPAGE	963	450
SCALE:		TS-35		CONTRACT NO. 60131		
SHEET NO. 35 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 SEEDING 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.

TRACER CABLE, NO. 14 1/C
(SEE ROADWAY LIGHTING PLANS)

FIBER OPTIC SINGLE MODE TO CCTV CAMERA
LOCATED ON SOUTH HIGH MAST TOWER
(SEE ROADWAY LIGHTING PLANS)

IL ROUTE 59
(SOUTHBOUND)

IL ROUTE 59
(NORTHBOUND)

IL ROUTE 59
(NORTHBOUND)

IL ROUTE 59
(SOUTHBOUND)

TRACER CABLE, NO. 14 1/C

INTERCONNECT TO DIEHL ROAD,
FIBER NO. 62.5/125,
MM12F, SM24F

ELECTRIC SERVICE TO
COMMUNICATION CABINET

COMMUNICATIONS CABINET

CABLE PLAN FOR SOUTH RAMPS

MATCH LINE A
(SEE NORTH RAMPS CABLE PLAN)

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE 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

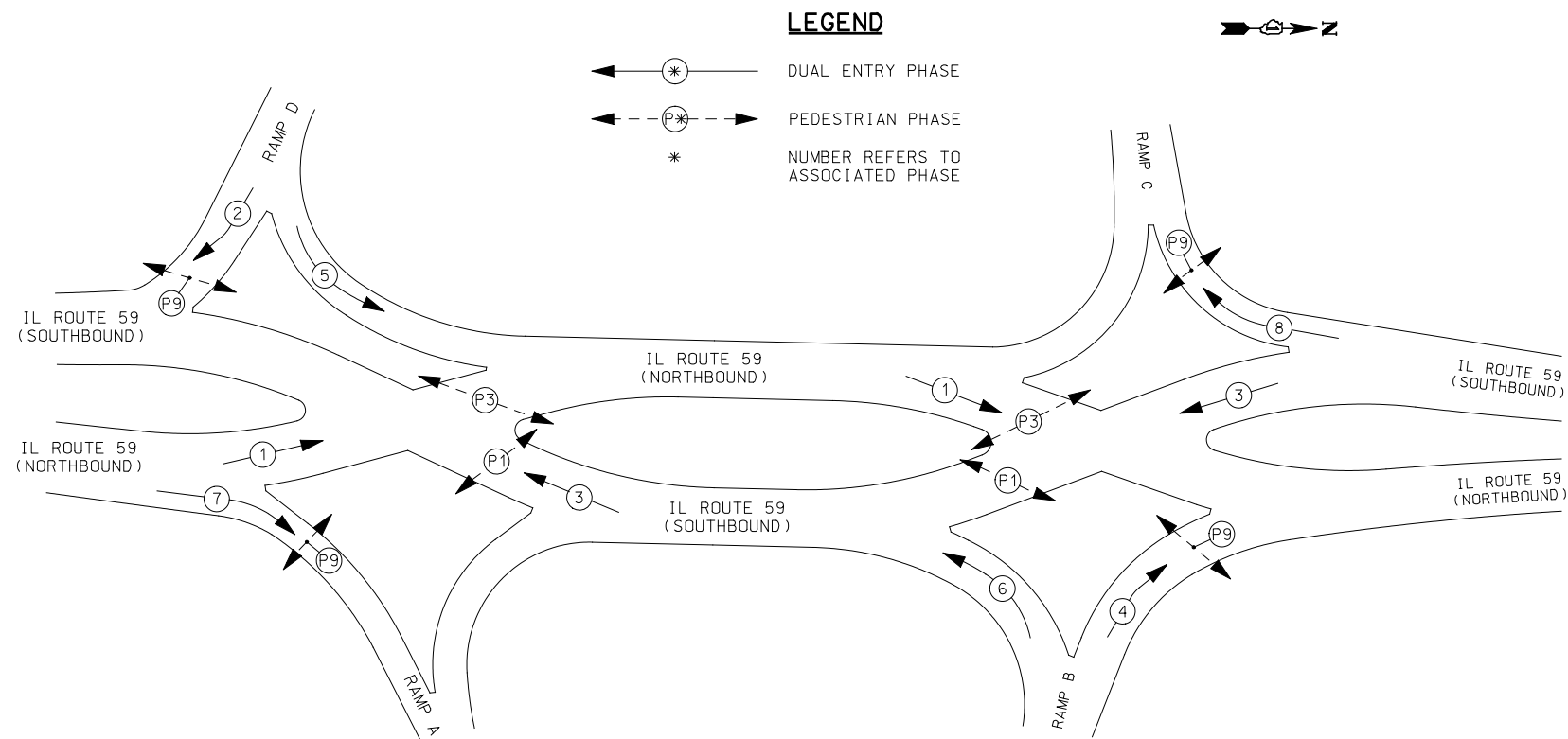
ENERGY SUPPLY: CONTACT: BRIAN CHAMBERLAIN
PHONE: 630-420-6653
COMPANY: NAPERVILLE ELECTRIC

FILE NAME =	USER NAME = \$USER\$	DESIGNED <u>MJM</u>	REVISED -
\$FILEL\$		DRAWN <u>KES</u>	REVISED -
		CHECKED <u>JCM</u>	REVISED -
		DATE <u>10/15/2012</u>	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.

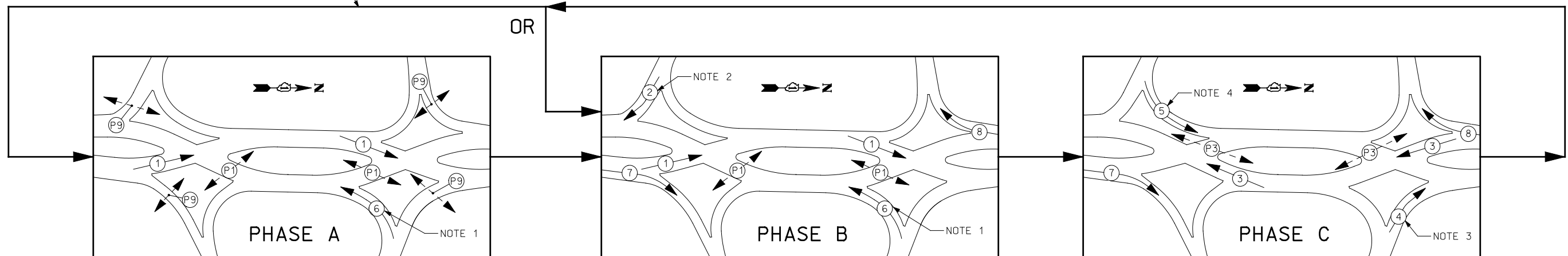
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	451
TS-36		CONTRACT NO. 60131		
ILLINOIS FED. AID PROJECT				



PHASE DESIGNATION DIAGRAM
(SEE CORRESPONDING PHASE SEQUENCE BELOW)

EMERGENCY VEHICLE PREEMPTION SEQUENCE
SEE SHEET TS-38

PHASE A SHALL OPERATE ONLY TO SERVICE
A CALL ON PEDESTRIAN PHASE 9

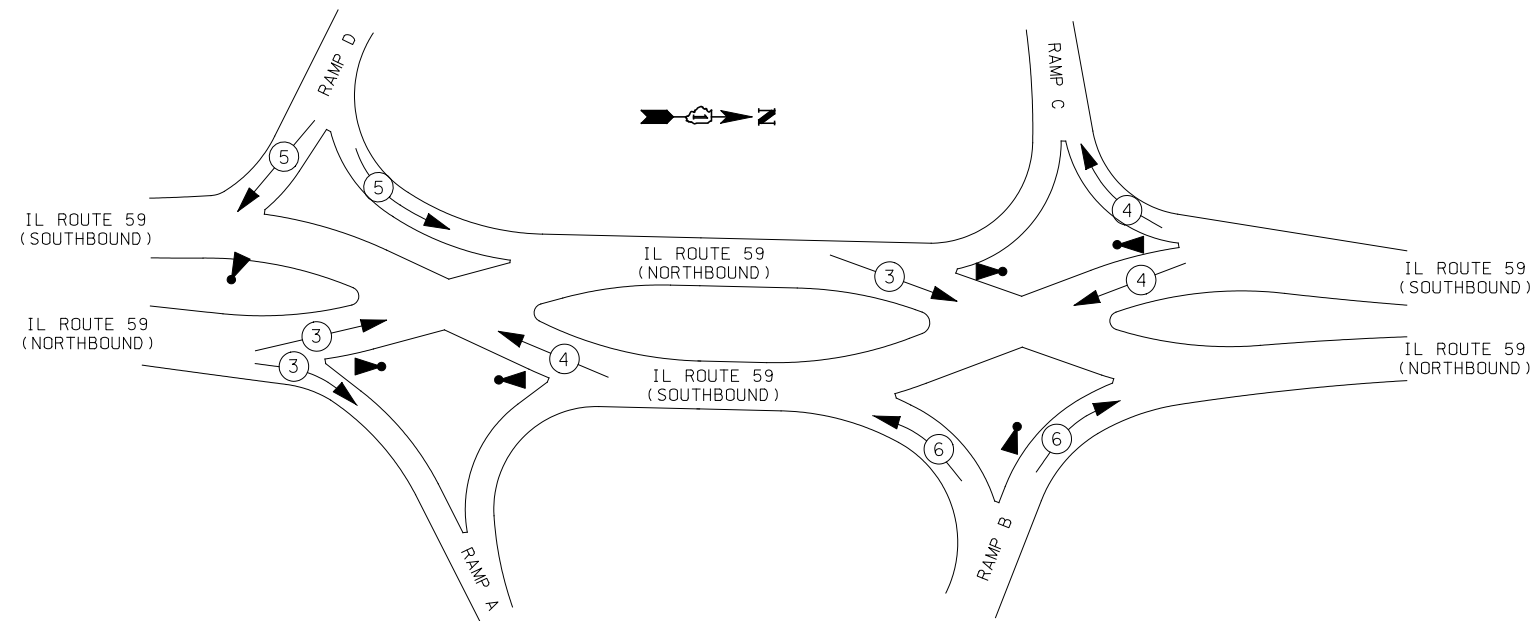


CORRESPONDING PHASE SEQUENCE OF OPERATION

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 = #FILEL#	USER NAME = #USER#	DESIGNED <i>MJM</i>	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 <i>KES</i>	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	452
		CHECKED <i>JCM</i>	REVISED -			TS-37		CONTRACT NO. 60I31		
		DATE <i>10/15/2012</i>	REVISED -			SCALE:	SHEET NO. 37 OF 53 SHEETS	STA.	TO STA.	



PROPOSED EMERGENCY VEHICLE PREEMPTORS								
EMERGENCY VEHICLE PREEMPTORS	3		4		5		6	
	SOUTH	NORTH	SOUTH	NORTH	SOUTH	NORTH	SOUTH	NORTH
INTERSECTION								
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	4288
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	993
*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 SUPER R CABINET, TYPE V, SPECIAL	EACH	1
CONTROLLER CABINET SUPER P, TYPE IV, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1

*100% COST TO THE CITY OF NAPERVILLE

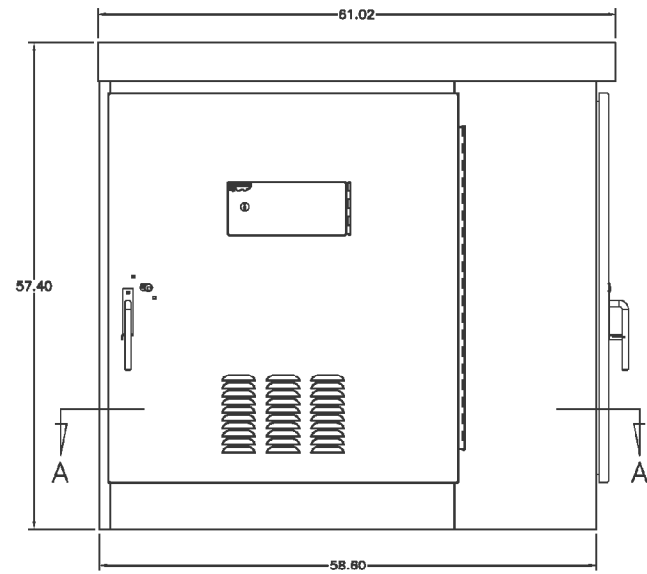
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#FILEL#		DRAWN <i>KES</i>	REVISED -
	PLOT SCALE = #SCALE*	CHECKED <i>JCM</i>	REVISED -
	PLOT DATE = #DATE*	DATE <i>10/15/2012</i>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

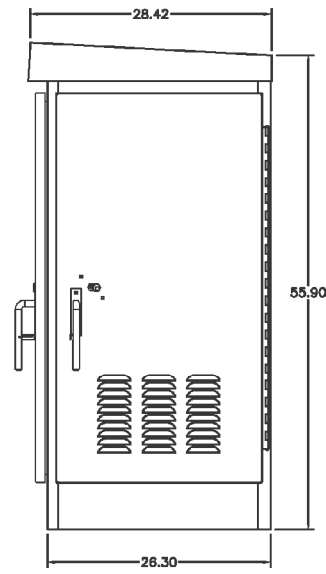
**SCHEDULE OF QUANTITIES & EMERGENCY VEHICLE PREEMPTION SEQUENCE
ILLINOIS ROUTE 59 AND INTERSTATE 88**

SCALE: SHEET NO. 38 OF 53 SHEETS STA. TO STA.

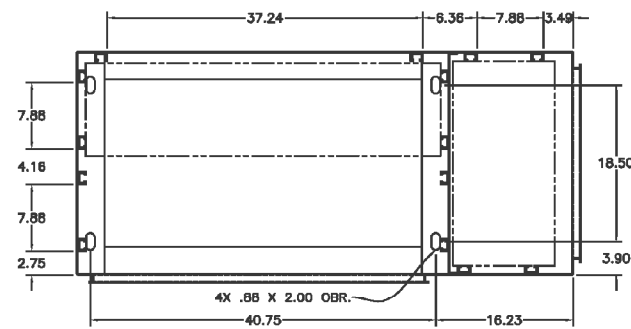
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	453
TS-38			CONTRACT NO. 60131	
ILLINOIS FED. AID PROJECT				



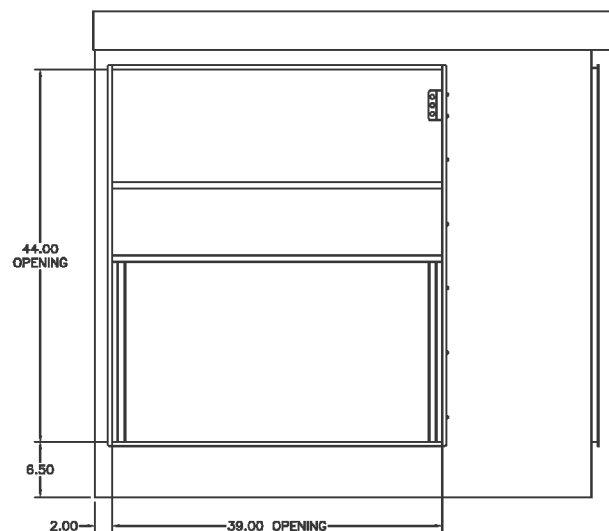
FRONT VIEW



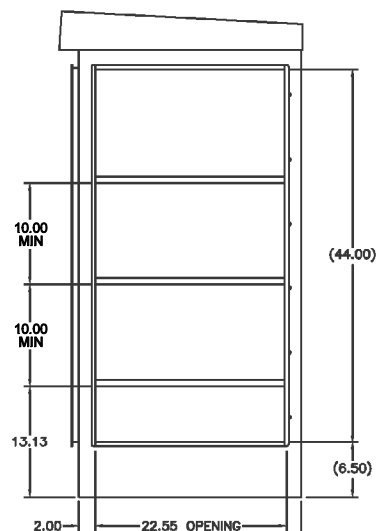
SIDE VIEW



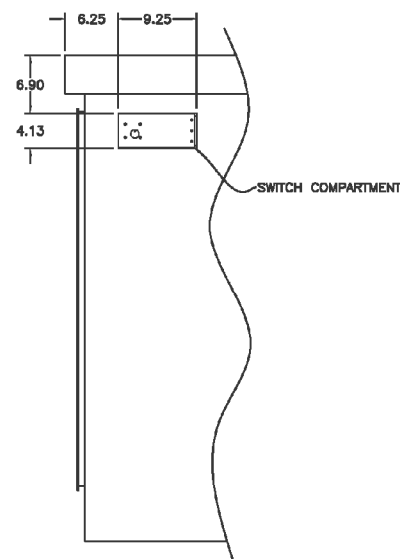
SECTION A-A
DOORS REMOVED FOR CLARITY



FRONT VIEW
LESS DOOR



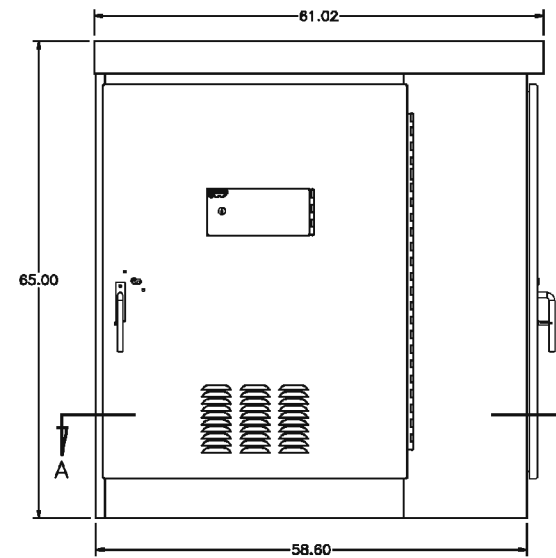
SIDE VIEW
LESS DOOR



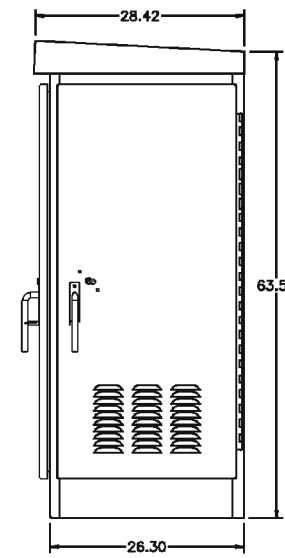
REAR VIEW
PARTIAL

SUPER P TRAFFIC SIGNAL CABINET, TYPE IV, SPECIAL

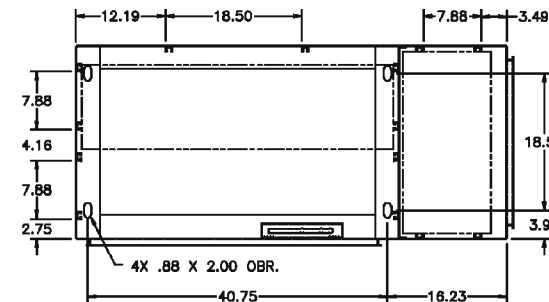
58.6" W x 57.4" H x 26.3" D
(DIMENSIONS SHOWN IN INCHES)



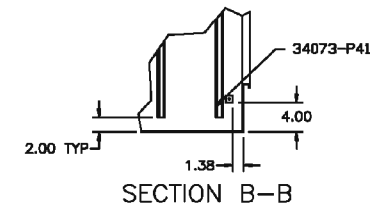
FRONT VIEW



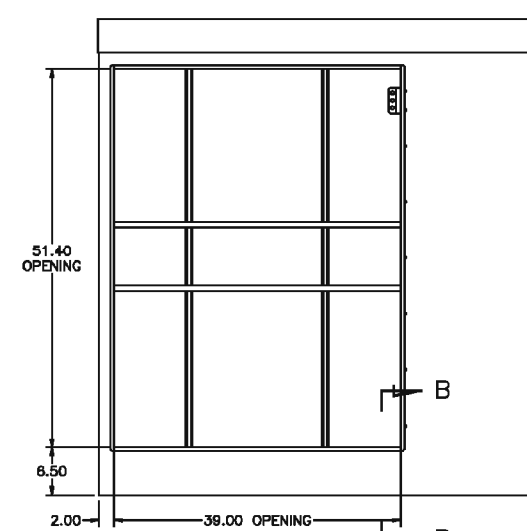
SIDE VIEW



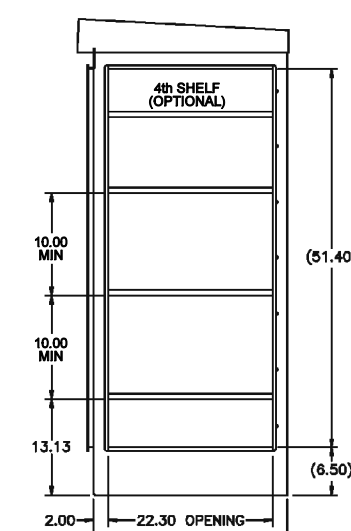
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SECTION A-A



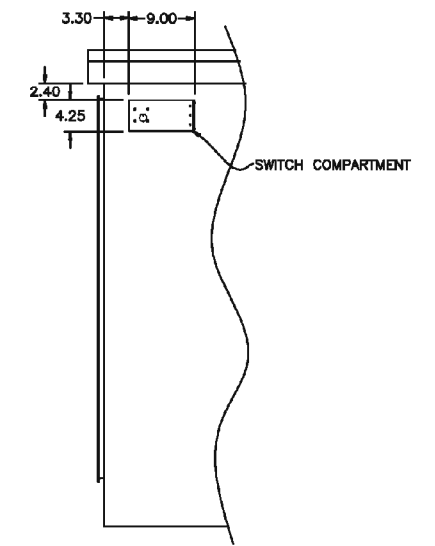
SECTION B-B



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

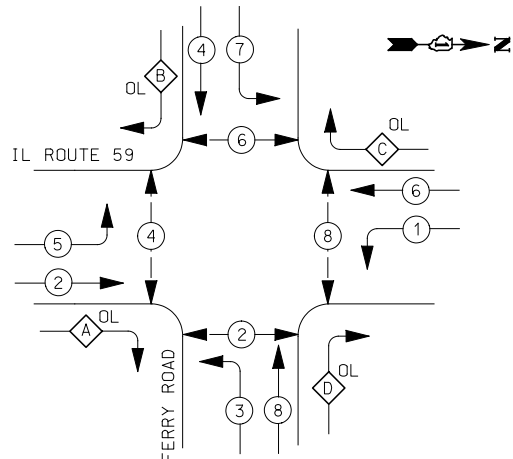
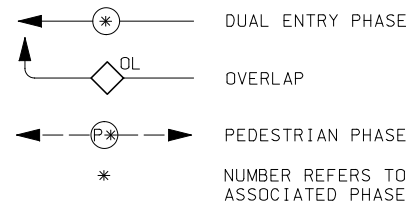
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABINET DETAILS
ILLINOIS ROUTE 59**

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



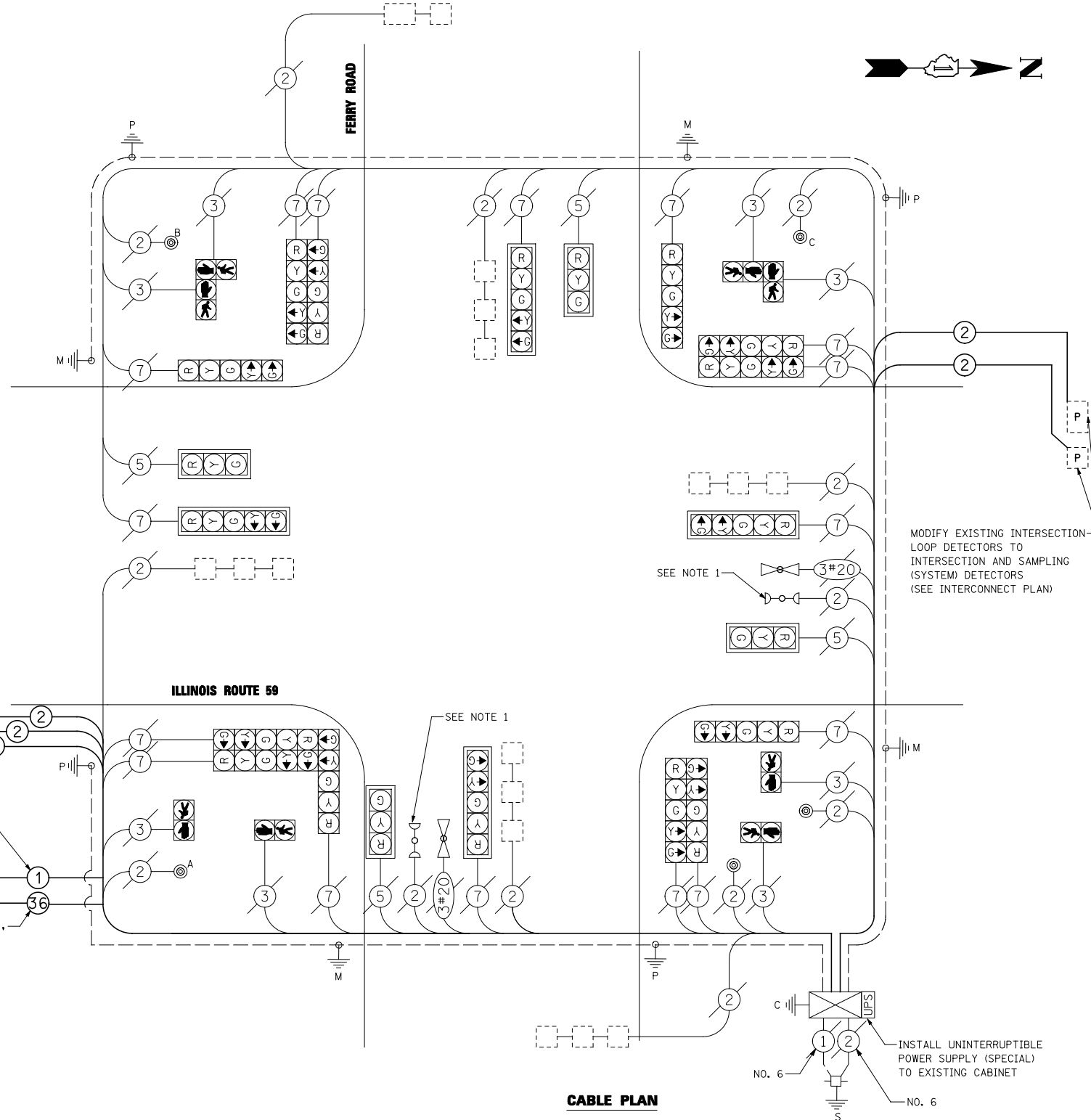
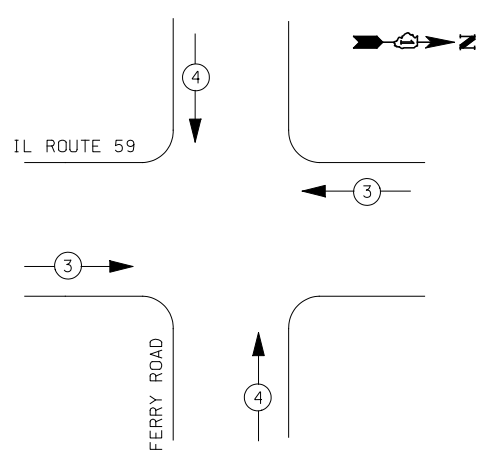
PHASE DESIGNATION DIAGRAM

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

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.

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN

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 UNINTERRUPTIBLE POWER SUPPLY (SPECIAL) AND SHALL NOT BE PAID FOR SEPARATELY.

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
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	
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	-
ENERGY COSTS TO:					TOTAL = 708.4

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

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

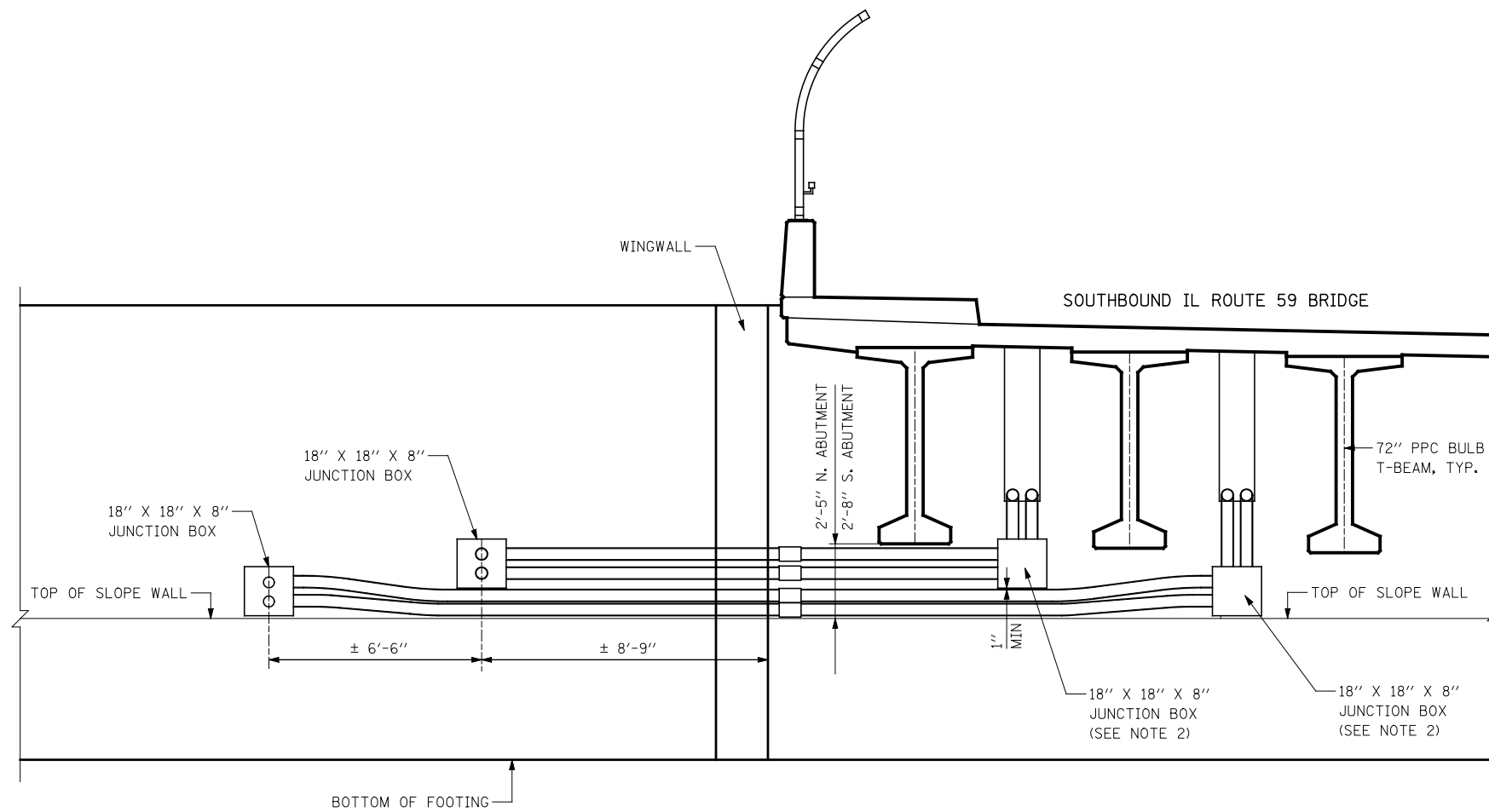
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DRAWN <i>KES</i>	REVISED -
CHECKED <i>JCM</i>	REVISED -
DATE <i>10/15/2012</i>	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

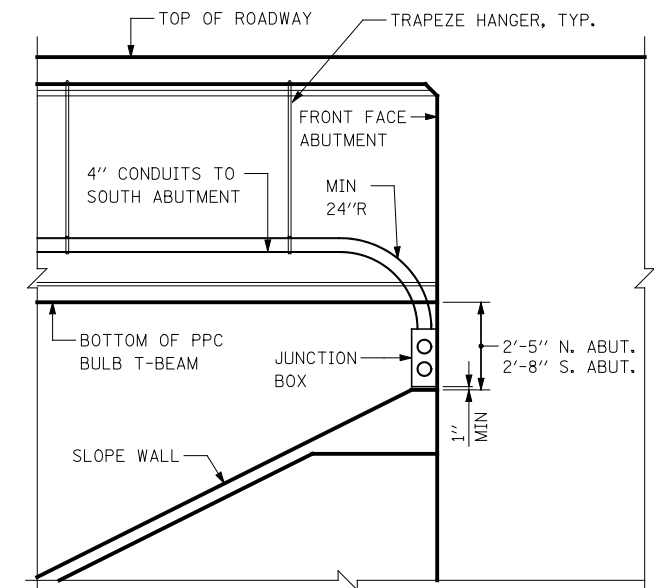
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ILLINOIS ROUTE 59 AND FERRY ROAD

SCALE: SHEET NO. 40 OF 53 SHEETS STA. TO STA.

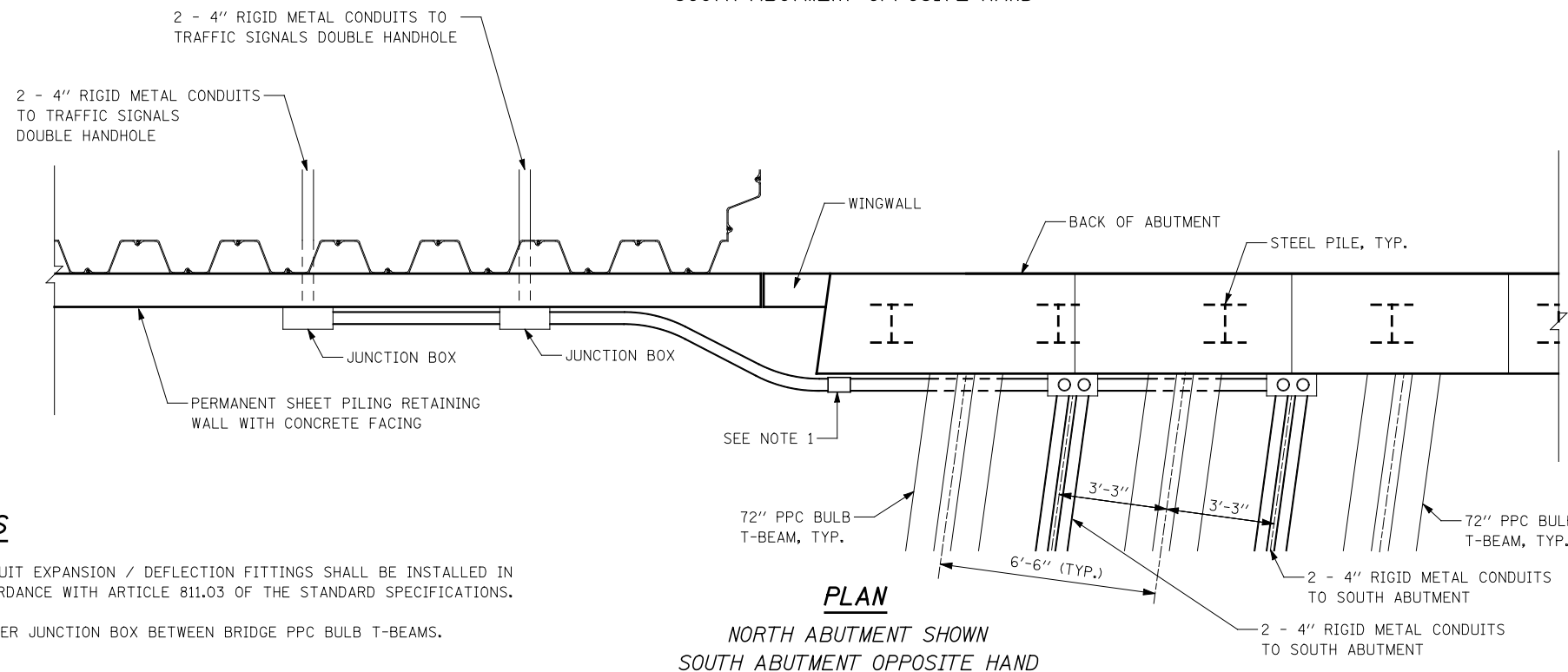
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	455
TS-39			CONTRACT NO. 60131	
ILLINOIS FED. AID PROJECT				



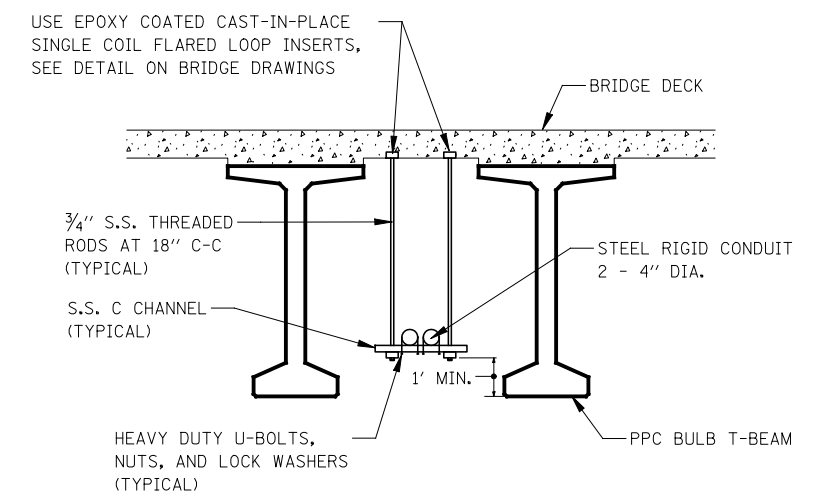
ELEVATION
(Looking North)
NORTH ABUTMENT SHOWN
SOUTH ABUTMENT OPPOSITE HAND



ELEVATION
(Looking West)
NORTH ABUTMENT SHOWN
SOUTH ABUTMENT OPPOSITE HAND



PLAN
NORTH ABUTMENT SHOWN
SOUTH ABUTMENT OPPOSITE HAND

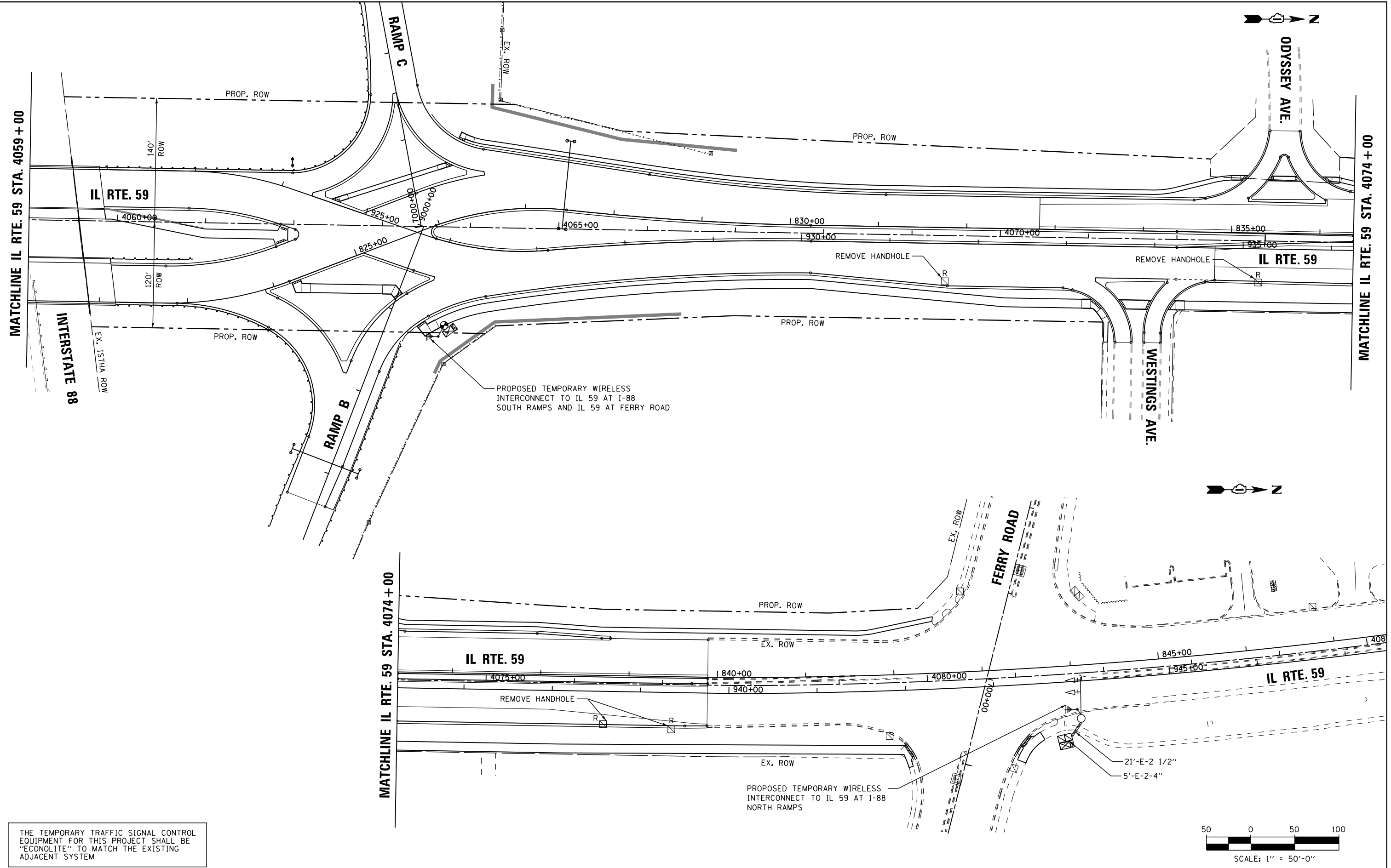


TYPICAL CONDUIT SUPPORT
ATTACHED TO BRIDGE DECK DETAIL
NOT TO SCALE

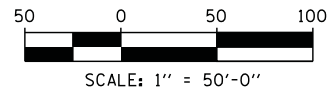
NOTES

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.

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED <i>MJM</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNALS CONDUIT ATTACHMENT TO STRUCTURE DETAIL		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>KES</i>	REVISED -				338	(112 & 113) WRS-5	DUPAGE	963	456	
		CHECKED <i>JCM</i>	REVISED -		SCALE: NONE		SHEET NO. 41 OF 53 SHEETS	STA.	TO STA.	CONTRACT NO. 60I31		
		DATE <i>10/15/2012</i>	REVISED -		SCALE: NONE		SHEET NO. 41 OF 53 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



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

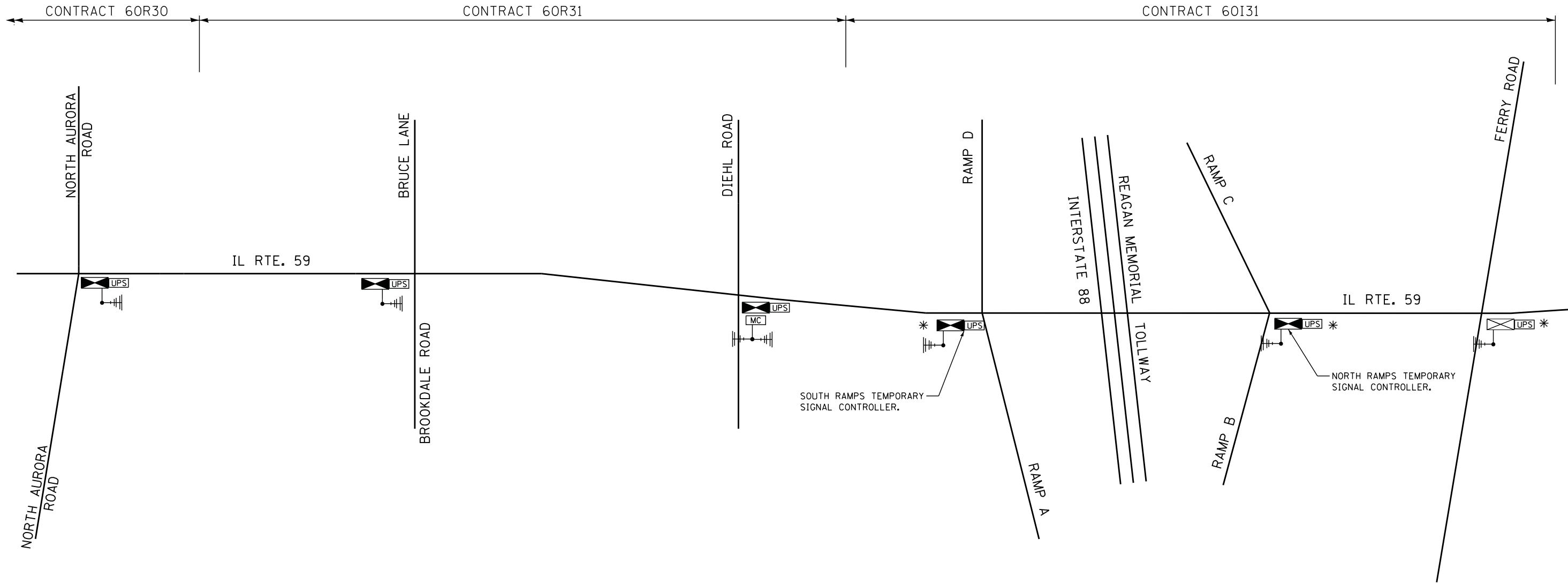


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PLOT SCALE = *SCALE*		CHECKED - KMM	REVISED -
PLOT DATE = 10/11/2012		DATE - 10/15/2012	REVISED -

**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				



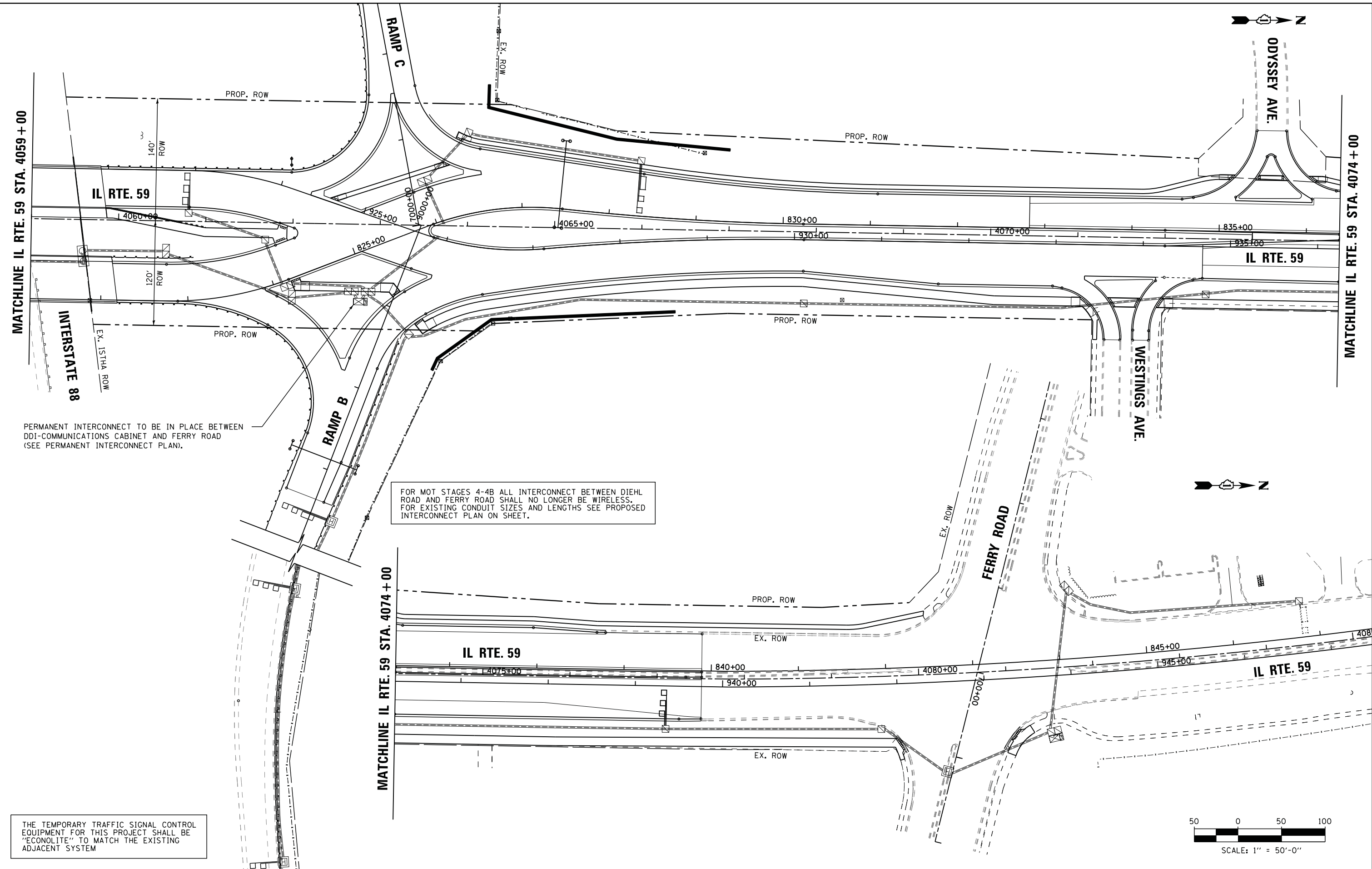
**TEMPORARY INTERCONNECT
 FOR MOT STAGES (PRESTAGE -STAGE 3C)**

* 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

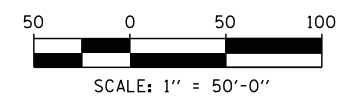
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	PLOT SCALE = \$SCALE\$	CHECKED - KMM	REVISED -					338	(112 & 113) WRS-5	DUPAGE	963	459
	PLOT DATE = 10/11/2012	DATE - 10/15/2012	REVISED -		SCALE: NONE	SHEET NO. 44 OF 53 SHEETS	STA. TO STA.	TS-43		CONTRACT NO. 60I31	ILLINOIS FED. AID PROJECT	



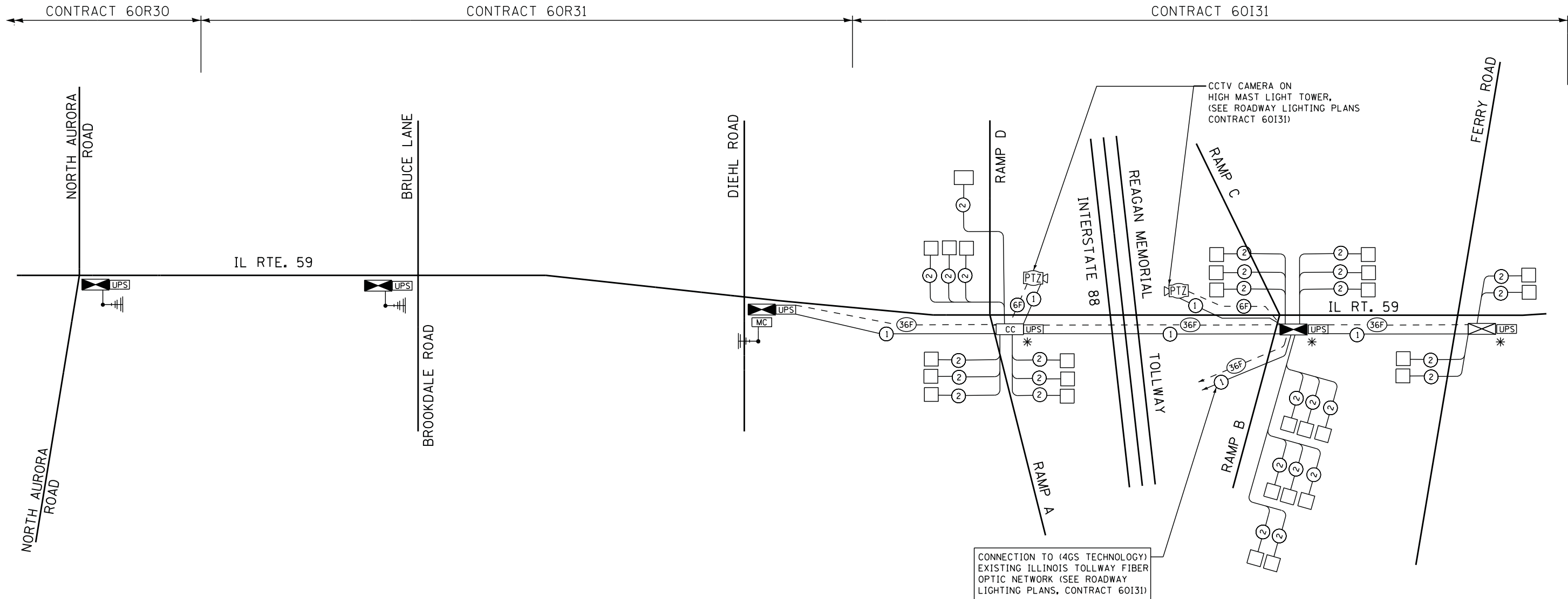
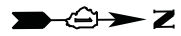
PERMANENT INTERCONNECT TO BE IN PLACE BETWEEN DDI-COMMUNICATIONS CABINET AND FERRY ROAD (SEE PERMANENT INTERCONNECT PLAN).

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 ON SHEET.

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



FILE NAME = K:\Projects\090059\Design\Sheet Files\679rwa59tempintN5tg4ddi.dgn	USER NAME = *USER*	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INTERCONNECT PLAN IL ROUTE 59 FROM DIEHL ROAD TO FERRY ROAD (STAGE 4 TO STAGE 4B)	F.A. RTE. 338	SECTION (112 & 113) WRS-5	COUNTY DUPAGE	TOTAL SHEETS 963	SHEET NO. 461		
PLOT SCALE = *SCALE*	CHECKED - KMM	REVISIED -	REVISIED -			SCALE: 1"=50'	SHEET NO. 46 OF 53 SHEETS	STA. TO STA.	TS-45		CONTRACT NO. 60131	
PLOT DATE = 10/11/2012	DATE - 10/15/2012	REVISIED -	REVISIED -			ILLINOIS FED. AID PROJECT						



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

CONNECTION TO (4GS TECHNOLOGY)
 EXISTING ILLINOIS TOLLWAY FIBER
 OPTIC NETWORK (SEE ROADWAY
 LIGHTING PLANS, CONTRACT 60I31)

* 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 BETWEEN THE
 DDI-COMMUNICATIONS CABINET AND DIEHL ROAD FOR
 ALL STAGES AFTER 3C.

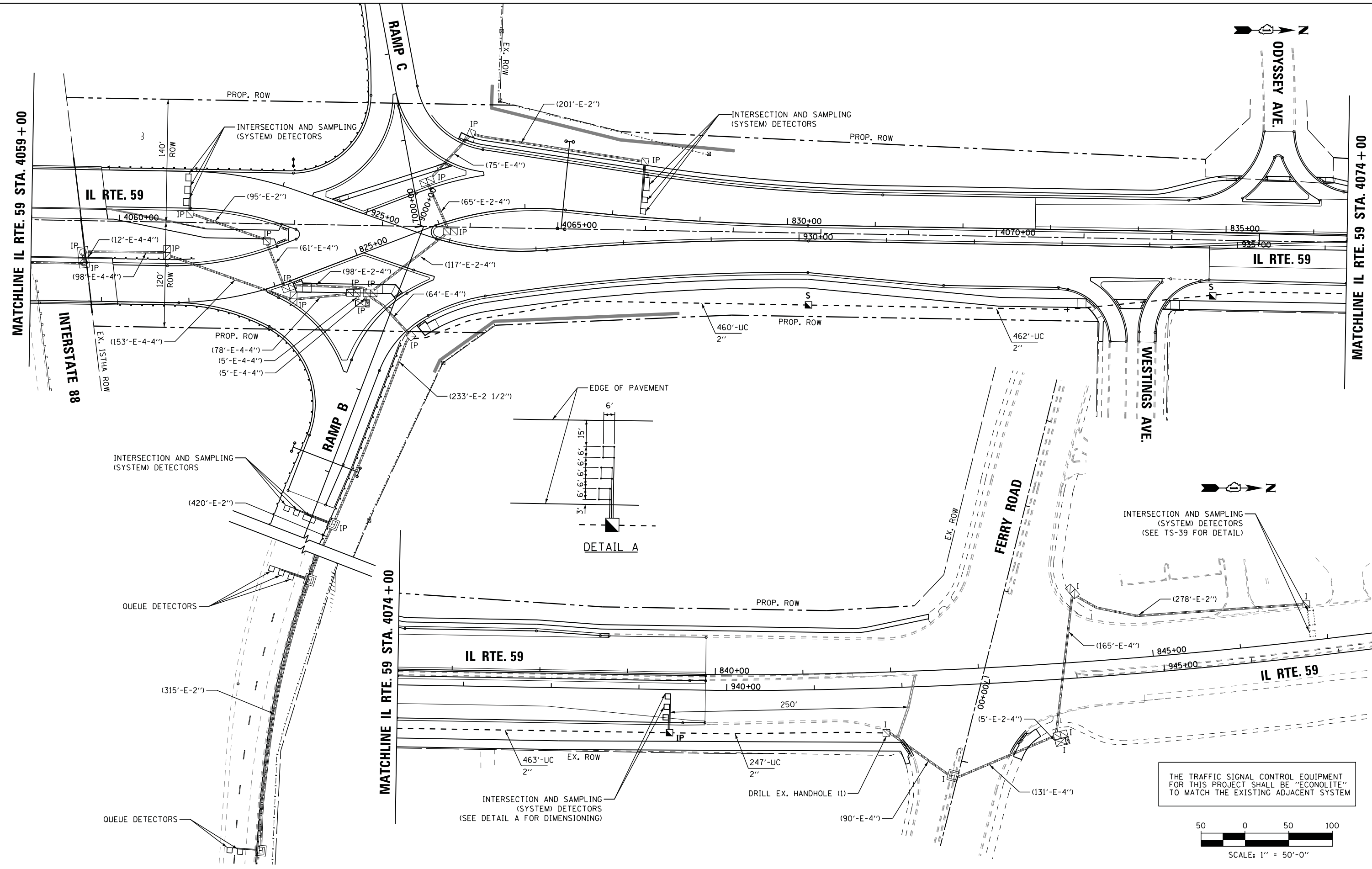
THE TEMPORARY TRAFFIC SIGNAL CONTROL
 EQUIPMENT FOR THIS PROJECT SHALL BE
 "ECONOLITE" TO MATCH THE EXISTING
 ADJACENT SYSTEM

FILE NAME =	USER NAME = #USER#	DESIGNED - DW	REVISED -
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PLOT DATE = 10/11/2012		DATE - 10/15/2012	REVISED -

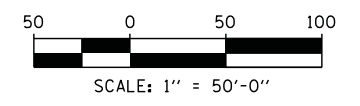
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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.

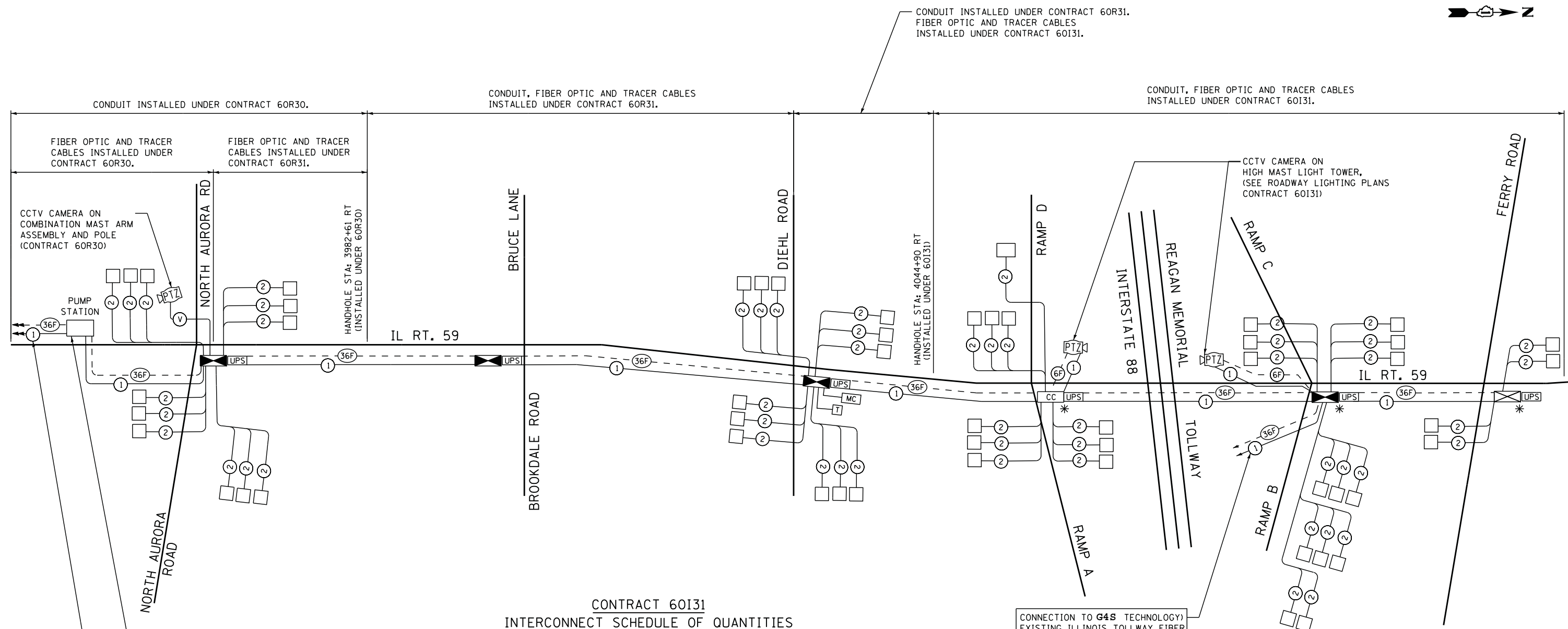
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	462
TS-46		CONTRACT NO. 60I31		
ILLINOIS FED. AID PROJECT				



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



FILE NAME = K:\Projects\090059\Design\Sheet Files\679rwa59int55ddi.dgn	USER NAME = *USER*	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN IL ROUTE 59 FROM DIEHL ROAD TO FERRY ROAD			F.A. RTE. 338	SECTION (112 & 113) WRS-5	COUNTY DUPAGE	TOTAL SHEETS 963	SHEET NO. 464
PLOT SCALE = *SCALE*	CHECKED - KMM	REVISOR -	DATE - 10/15/2012		SCALE: 1"=50'	SHEET NO. 49 OF 53 SHEETS	STA. TO STA.	TS-48		CONTRACT NO. 60131	ILLINOIS FED. AID PROJECT	



**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
TEMPORARY OPTIMIZE TRAFFIC SIGNAL SYSTEM	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

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

- NOTES:
- ALL FIBER OPTIC AND TRACER CABLE BETWEEN NORTH AURORA RD. AND DIEHL RD. SHALL BE INSTALLED UNDER CONTRACT 60R31. ALL FIBER OPTIC AND TRACER CABLE BETWEEN DIEHL RD. AND FERRY RD. SHALL BE INSTALLED UNDER CONTRACT 60I31.
 - ALL CONDUIT AND HANDHOLES SOUTH OF IL RTE 59 STA. 3982+61, INCLUDING HANDHOLE AT STA. 3982+61, SHALL BE INSTALLED UNDER CONTRACT 60R30.
 - ALL CONDUIT AND HANDHOLES NORTH OF STA. 4044+90, INCLUDING HANDHOLE AT STA. 4044+90, SHALL BE INSTALLED UNDER CONTRACT 60I31.
 - ALL CONDUIT AND HANDHOLES BETWEEN STA. 3982+61 AND 4044+90 SHALL BE INSTALLED UNDER CONTRACT 60R31.
 - RESIDENT ENGINEER TO VERIFY THAT ALL FIBER OPTIC CABLE TERMINATIONS HAVE BEEN MADE PRIOR TO TRANSFER OF MAINTENANCE TO IDOT.
 - ECONOLITE SYSTEM #106 AND ECONOLITE SYSTEM #25 SHALL NOT BE MERGED AND WILL FUNCTION AS COMPLETELY INDEPENDENT SYSTEMS.

* 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

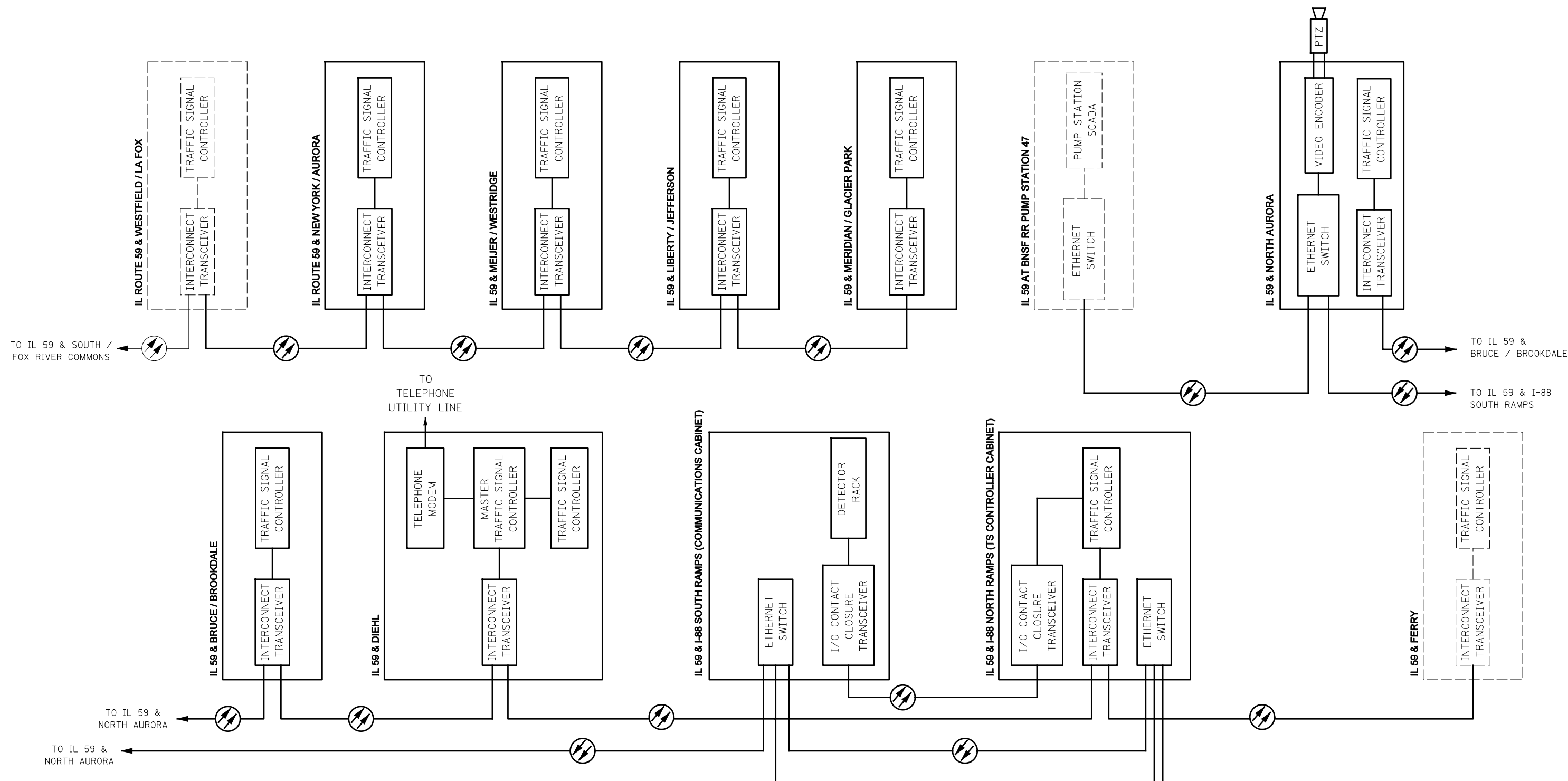
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PLOT SCALE = \$SCALE\$		CHECKED - KMM	REVISED -
PLOT DATE = 10/11/2012		DATE - 10/15/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT SCHEMATIC
 IL ROUTE 59-NORTH AURORA ROAD TO FERRY ROAD**

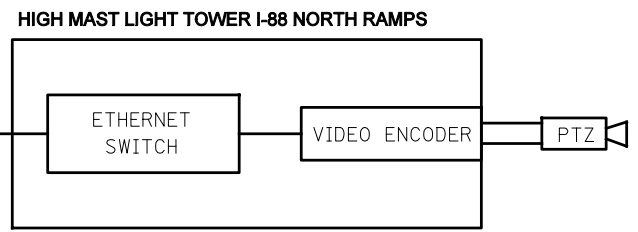
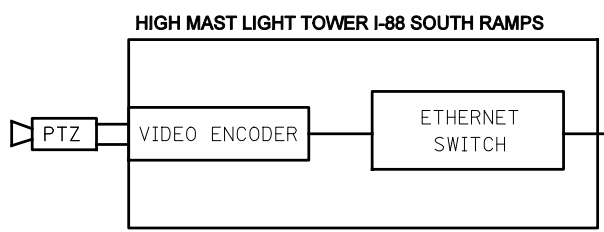
SCALE: NONE SHEET NO. 50 OF 53 SHEETS STA. TO STA.

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				



LEGEND

- PROPOSED MULTIMODE FIBER CONNECTION
- EXISTING MULTIMODE FIBER CONNECTION
- PROPOSED SINGLEMODE FIBER CONNECTION
- EXISTING SINGLEMODE FIBER CONNECTION
- PROPOSED EQUIPMENT
- EXISTING EQUIPMENT



NOTES

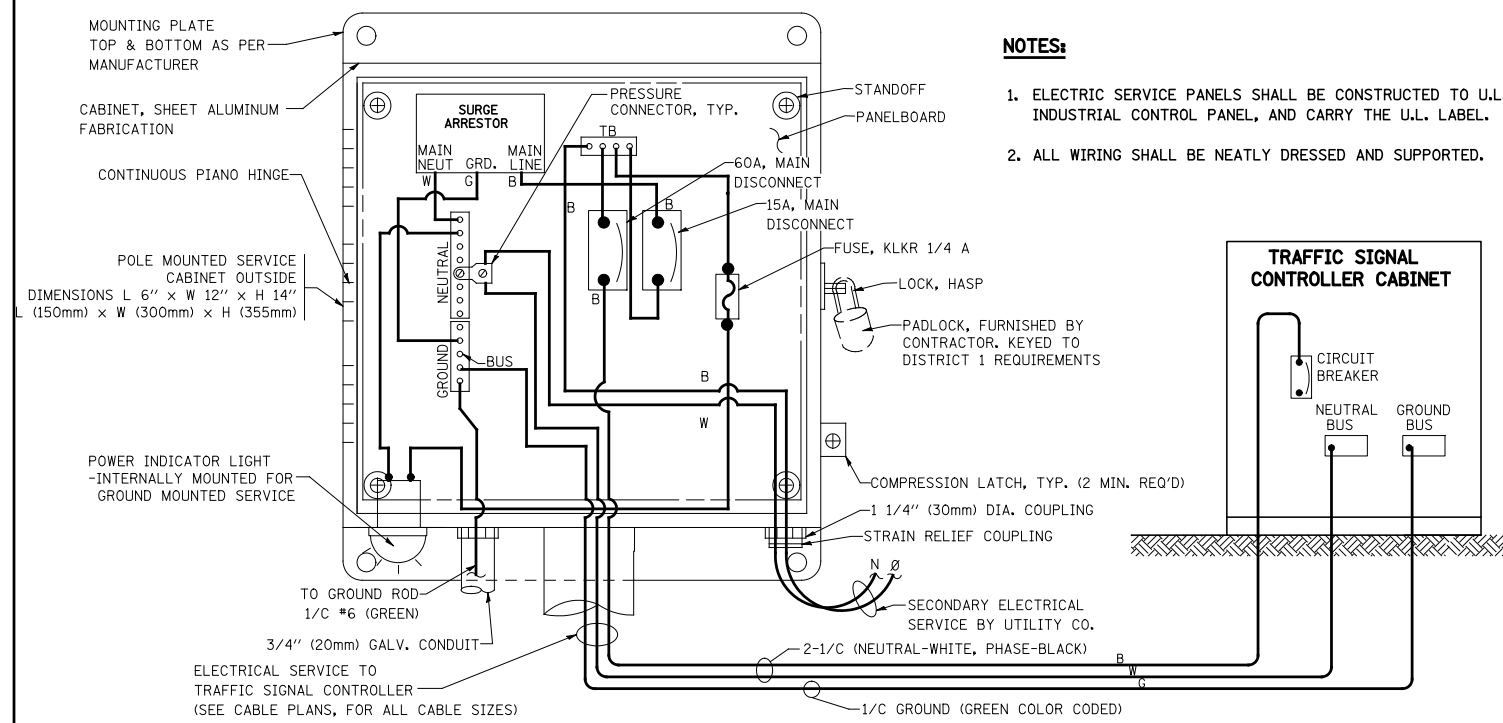
1. SEE PROPOSED INTERCONNECT SCHEMATIC FOR CONTRACT WORK LIMITS.

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED <i>MJM</i>	REVISED -
		DRAWN <i>KES</i>	REVISED -
		CHECKED <i>JCM</i>	REVISED -
		DATE <i>10/15/2012</i>	REVISED -

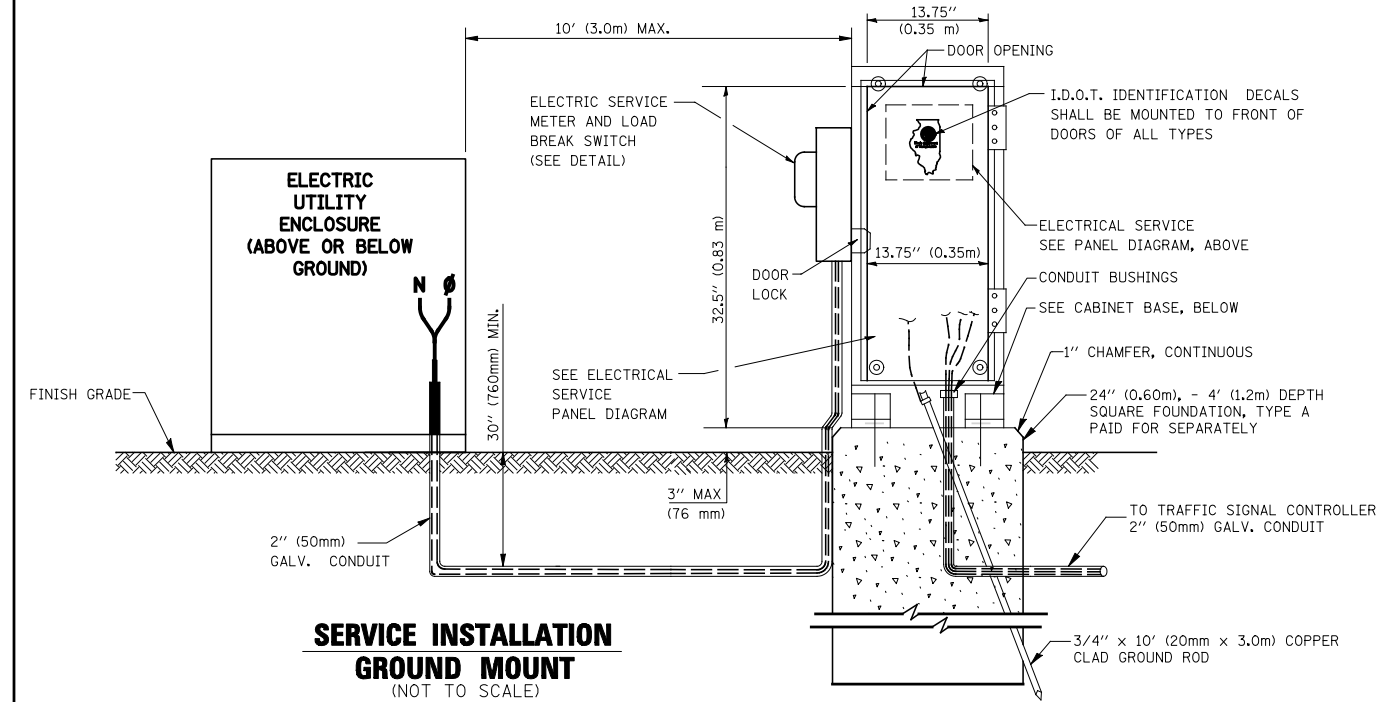
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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				

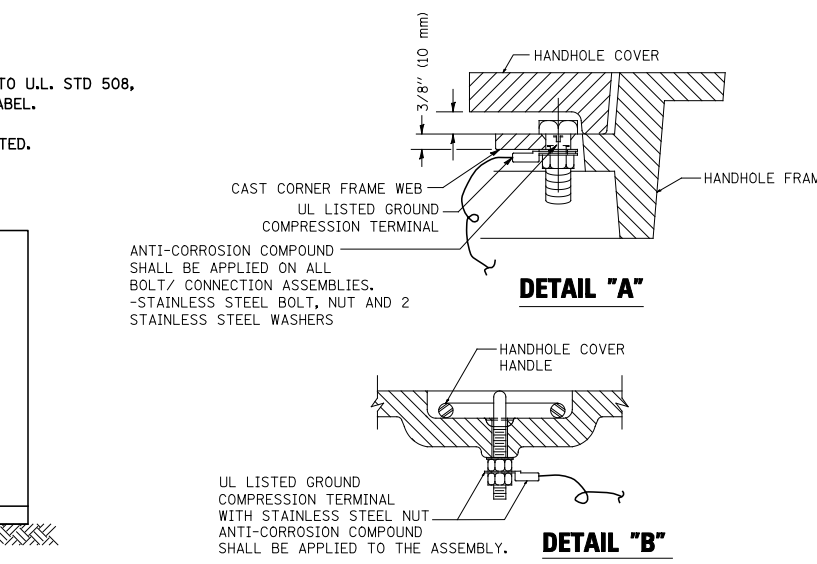
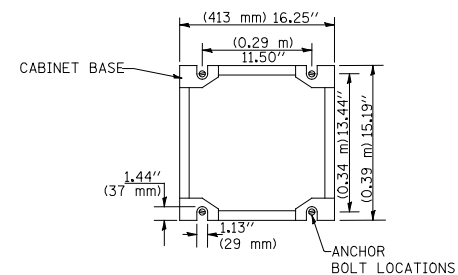


ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

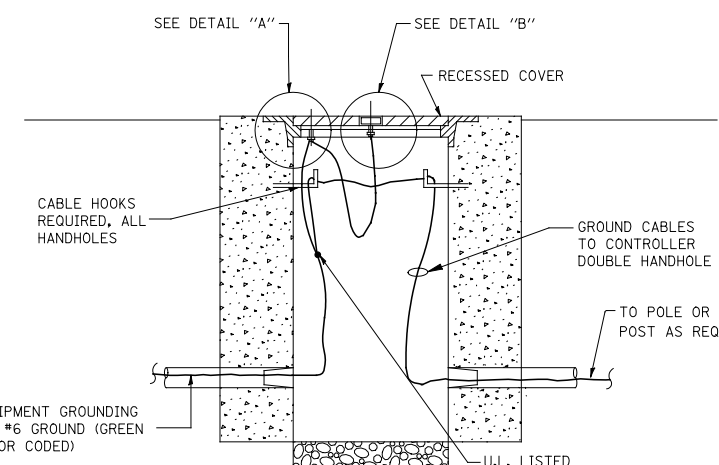
CABINET – BASE BOLT PATTERN
 (NOT TO SCALE)



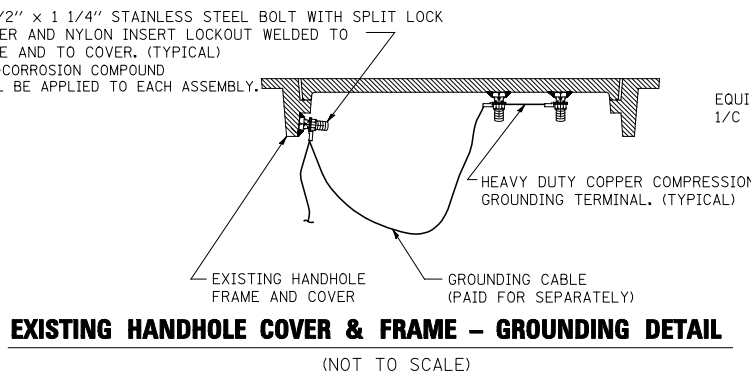
NOTES:

GROUNDING SYSTEM

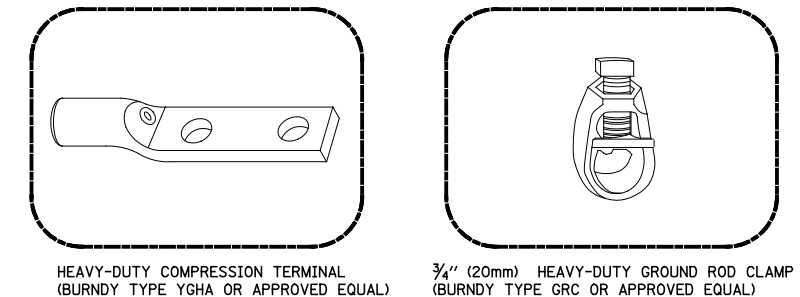
- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, 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.
- 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.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



HANDHOLE COVER & FRAME – GROUNDING DETAIL
 (NOT TO SCALE)

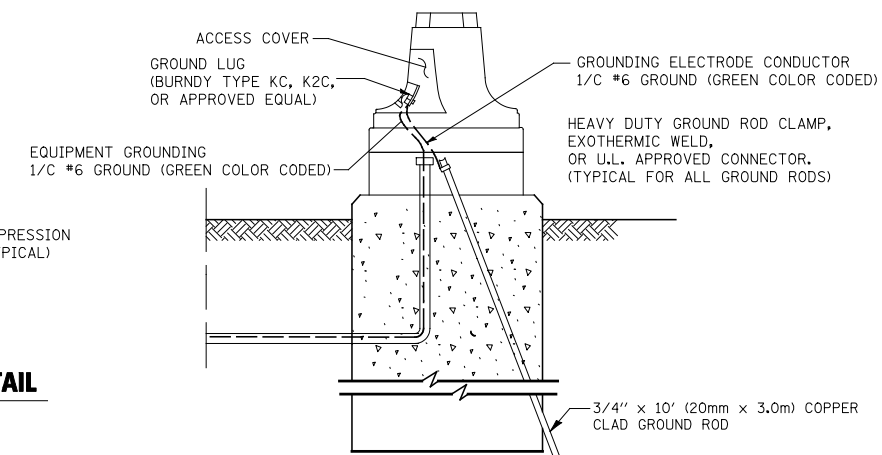


EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL
 (NOT TO SCALE)



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.



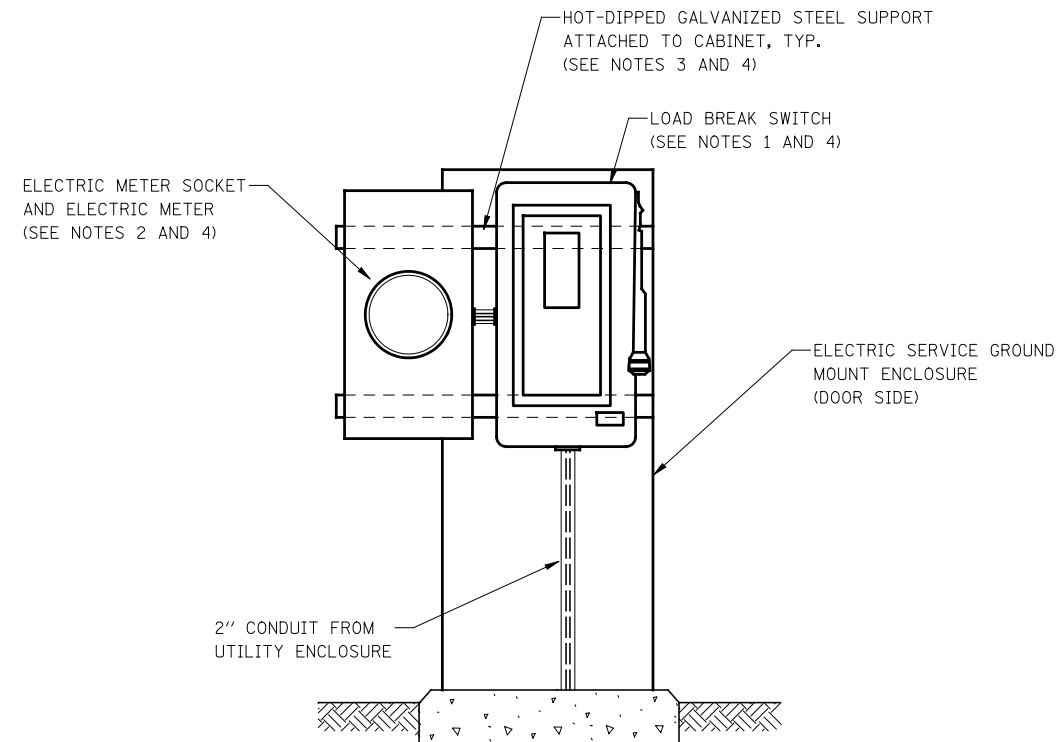
MAST ARM POLE / POST-GROUNDING DETAIL
 (NOT TO SCALE)

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

METERED ELECTRIC SERVICE
TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE	SHEET NO. 52 OF 53 SHEETS	STA. TO STA.	F.A.P. RTE. 338	SECTION (112 & 113) WRS-5	COUNTY DUPAGE	TOTAL SHEETS 963	SHEET NO. 467
			TS-51		CONTRACT NO. 60131		
ILLINOIS FED. AID PROJECT							



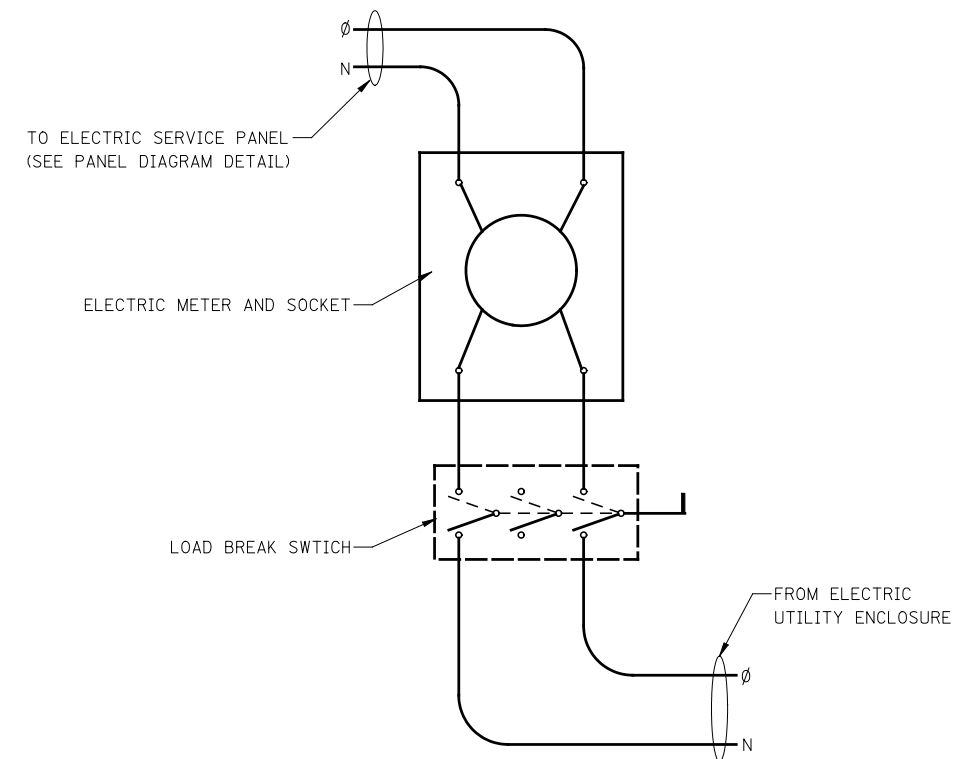
NOTES

1. LOAD BREAK SWITCH SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR.
2. ELECTRIC METER SOCKET SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR. THE ELECTRIC UTILITY WILL SUPPLY THE ELECTRIC METER AND THE CONTRACTOR SHALL INSTALL THE METER. THE ELECTRIC METER SOCKET SIZE AND TYPE SHALL BE COORDINATED WITH THE ELECTRIC UTILITY COMPANY.
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE SUPPORTS AND ATTACHMENT PLANS FOR APPROVAL BY THE ENGINEER.
4. ALL WORK SHOWN IN THIS DETAIL SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR SERVICE INSTALLATION - GROUND MOUNTED.

ELECTRICAL SERVICE METER AND LOAD BREAK SWITCH DETAIL

TRAFFIC SIGNALS SERVICE

(NOT TO SCALE)



ELECTRICAL SERVICE METER AND LOAD BREAK SWITCH WIRING DIAGRAM

TRAFFIC SIGNALS SERVICE

(NOT TO SCALE)

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED <i>PJO</i>	REVISED - <i>08/02/2012</i>	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 <i>KES</i>	CHECKED <i>JCM</i>	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	468	
	PLOT SCALE = #SCALE#	DATE <i>10/15/2012</i>	REVISED -			TS-52		CONTRACT NO. 60I31			
	PLOT DATE = #DATE#		REVISED -			SCALE: NONE	SHEET NO. 53 OF 53 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT

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		SLATE	Blue	49	
	Orange	2			Orange	50	
	Green	3			Green	51	
	Brown	4			Brown	52	
	Slate	5			Slate	53	
	White	6			White	54	
	Red	7			Red	55	
	Black	8			Black	56	
	Yellow	9			Yellow	57	
	Violet	10			Violet	58	
	Rose	11			Rose	59	
	Aqua	12			Aqua	60	
ORANGE	Blue	1		WHITE	Blue	61	
	Orange	2			Orange	62	
	Green	3			Green	63	
	Brown	4			Brown	64	
	Slate	5			Slate	65	
	White	6			White	66	
	Red	7			Red	67	
	Black	8			Black	68	
	Yellow	9			Yellow	69	
	Violet	10			Violet	70	
	Rose	11			Rose	71	
	Aqua	12			Aqua	72	
GREEN	Blue	1		RED	Blue	73	
	Orange	2			Orange	74	
	Green	3			Green	75	
	Brown	4			Brown	76	
	Slate	5			Slate	77	
	White	6			White	78	
	Red	7			Red	79	
	Black	8			Black	80	
	Yellow	9			Yellow	81	
	Violet	10			Violet	82	
	Rose	11			Rose	83	
	Aqua	12			Aqua	84	
BROWN	Blue	1		BLACK	Blue	85	
	Orange	2			Orange	86	
	Green	3			Green	87	
	Brown	4			Brown	88	
	Slate	5			Slate	89	
	White	6			White	90	
	Red	7			Red	91	
	Black	8			Black	92	
	Yellow	9			Yellow	93	
	Violet	10			Violet	94	
	Rose	11			Rose	95	
	Aqua	12			Aqua	96	

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			

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		
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12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF- TRAFFIC SIGNAL CABINET: IL 59 AND MEIJER / WESTRIDGE ENTRANCE		
FIBER NO	FUNCTION	CONNECTION
1		
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12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF- TRAFFIC SIGNAL CABINET: IL 59 AND NEW YORK / AURORA		
FIBER NO	FUNCTION	CONNECTION
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12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF- TRAFFIC SIGNAL CABINET: IL 59 AND LIBERTY / JEFFERSON		
FIBER NO	FUNCTION	CONNECTION
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7		
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11		
12		

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	PLOT DATE = #DATE#	DATE <i>10/15/2012</i>	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. 60I31	
ILLINOIS FED. AID PROJECT				

LATERAL CABLE FIBER ASSIGNMENTS		
LCF- TRAFFIC SIGNAL CABINET: IL 59 AND MERIDIAN / GLACIER PARK		
FIBER NO	FUNCTION	CONNECTION
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12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF- TRAFFIC SIGNAL CABINET: IL 59 AND NORTH AURORA (SINGLE-MODE)		
FIBER NO	FUNCTION	CONNECTION
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7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF- PUMP STATION #47 AT BNSF RR		
FIBER NO	FUNCTION	CONNECTION
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12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF- TRAFFIC SIGNAL CABINET: IL 59 AND NORTH AURORA (MULTI-MODE)		
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
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9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF- TRAFFIC SIGNAL CABINET: IL 59 AND BRUCE / BROOKDALE		
FIBER NO	FUNCTION	CONNECTION
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12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF- TRAFFIC SIGNAL COMMUNICATIONS CABINET: IL 59 AND I-88 SOUTH RAMPS (SINGLE-MODE)		
FIBER NO	FUNCTION	CONNECTION
1		
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12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF- TRAFFIC SIGNAL CABINET: IL 59 AND DIEHL		
FIBER NO	FUNCTION	CONNECTION
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12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF- TRAFFIC SIGNAL COMMUNICATIONS CABINET: IL 59 AND I-88 SOUTH RAMPS (MULTI-MODE)		
FIBER NO	FUNCTION	CONNECTION
1		
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12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF- TRAFFIC SIGNAL DDI CONTROLLER CABINET: IL 59 AND I-88 NORTH RAMPS (SINGLE-MODE)		
FIBER NO	FUNCTION	CONNECTION
1		
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12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF- TRAFFIC SIGNAL CABINET: IL 59 AND FERRY		
FIBER NO	FUNCTION	CONNECTION
1		
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3		
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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		
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12		

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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. 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		

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.

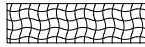

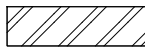














- 17. ALL EXISTING STRUCTURES OR PIPES NOT SHOWN ON EROSION CONTROL PLANS SHALL BE REMOVED (OR PLUGGED UNTIL REMOVAL IS POSSIBLE) DURING THE CONSTRUCTION SO THAT NO SEDIMENT CAN ENTER THE DRAINAGE SYSTEM. THIS SHALL BE CONSIDERED IN THE COST OF THE REMOVAL OF EXISTING STRUCTURES.

- 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.

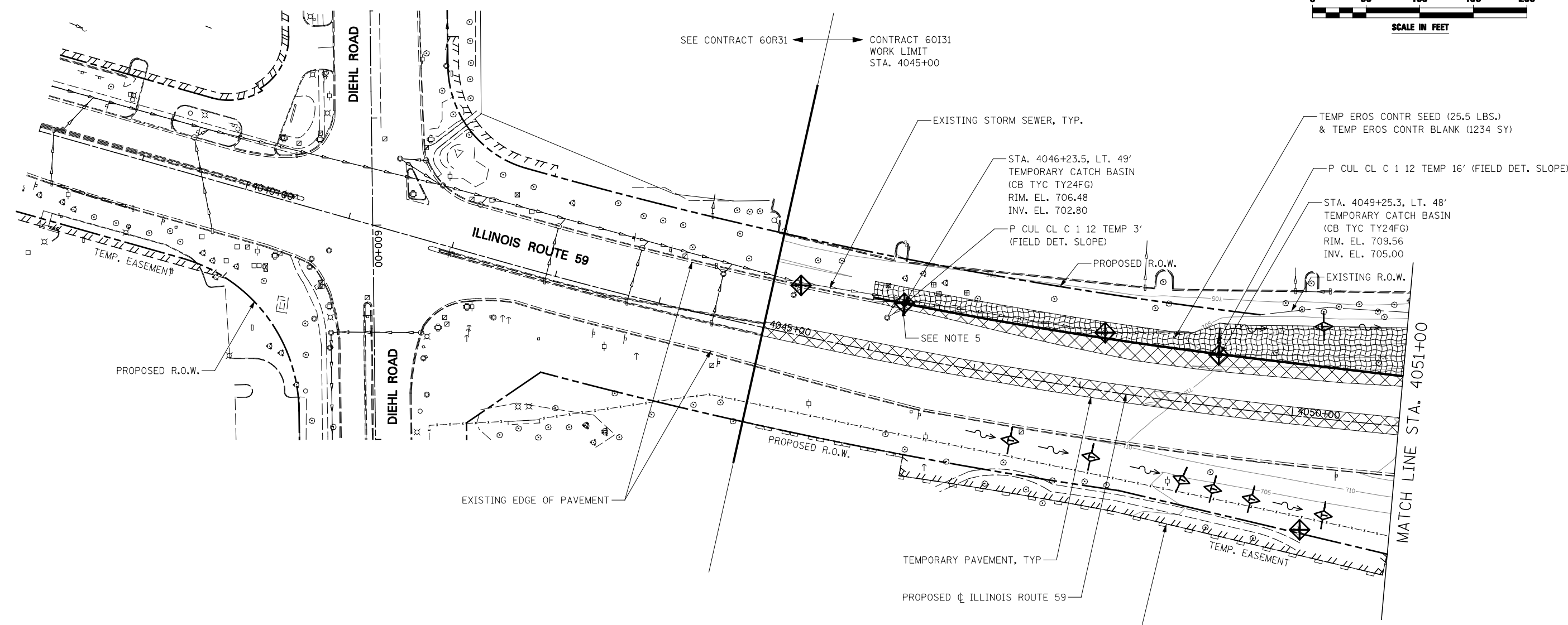
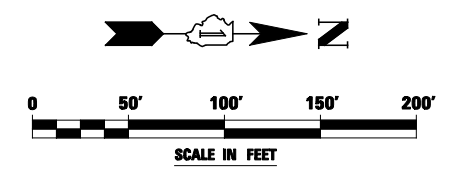
- 19. ALL TEMPORARY CONNECTIONS FOR TEMPORARY PIPE CULVERTS INTO EXISTING/PROPOSED STRUCTURES/PIPES SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE FOR PIPE CULVERT OF THE CLASS, TYPE, SIZE (TEMPORARY).

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.



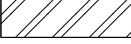

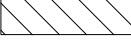



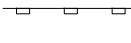

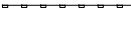






EROSION CONTROL LEGEND

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

FILE NAME =	USER NAME = \$USER*	DESIGNED <i>PJO</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL - GENERAL NOTES ILLINOIS ROUTE 59	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = \$DATE*		DATE <i>10/15/2012</i>	REVISED -			SCALE:	SHEET NO. 1 OF 66 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



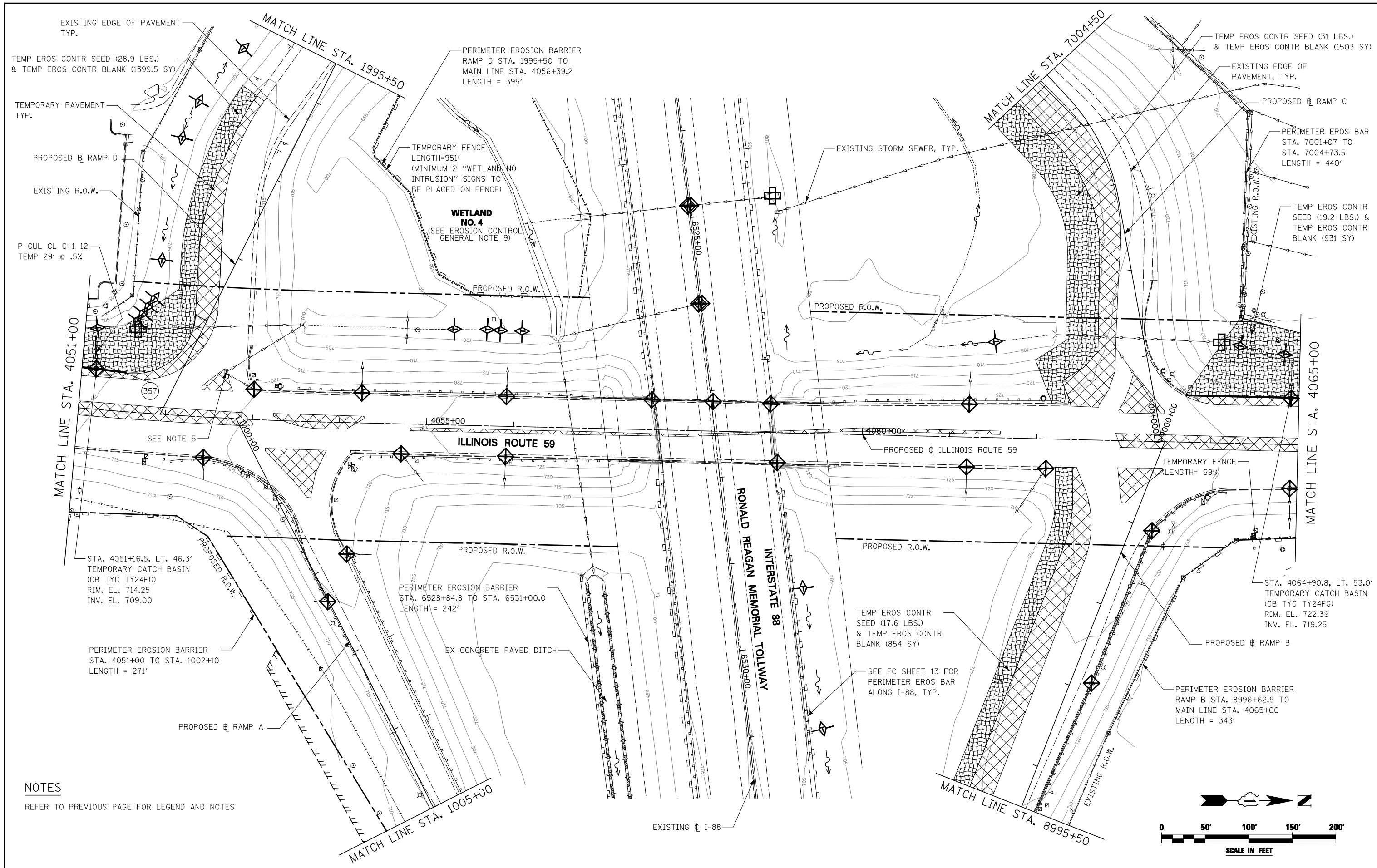
EROSION CONTROL LEGEND

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

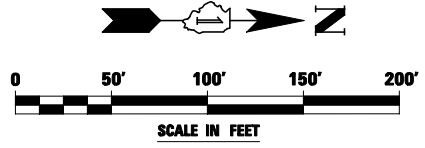
NOTES

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

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		CHECKED <i>JCM</i>	REVISED -			CONTRACT NO. 60I31					
		DATE <i>10/15/2012</i>	REVISED -			SCALE:	SHEET NO. 2 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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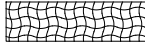

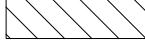

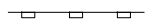












**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL - PRESTAGE
ILLINOIS ROUTE 59**

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

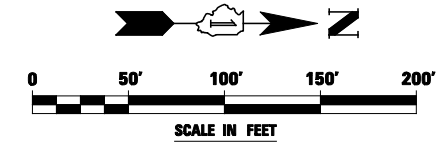
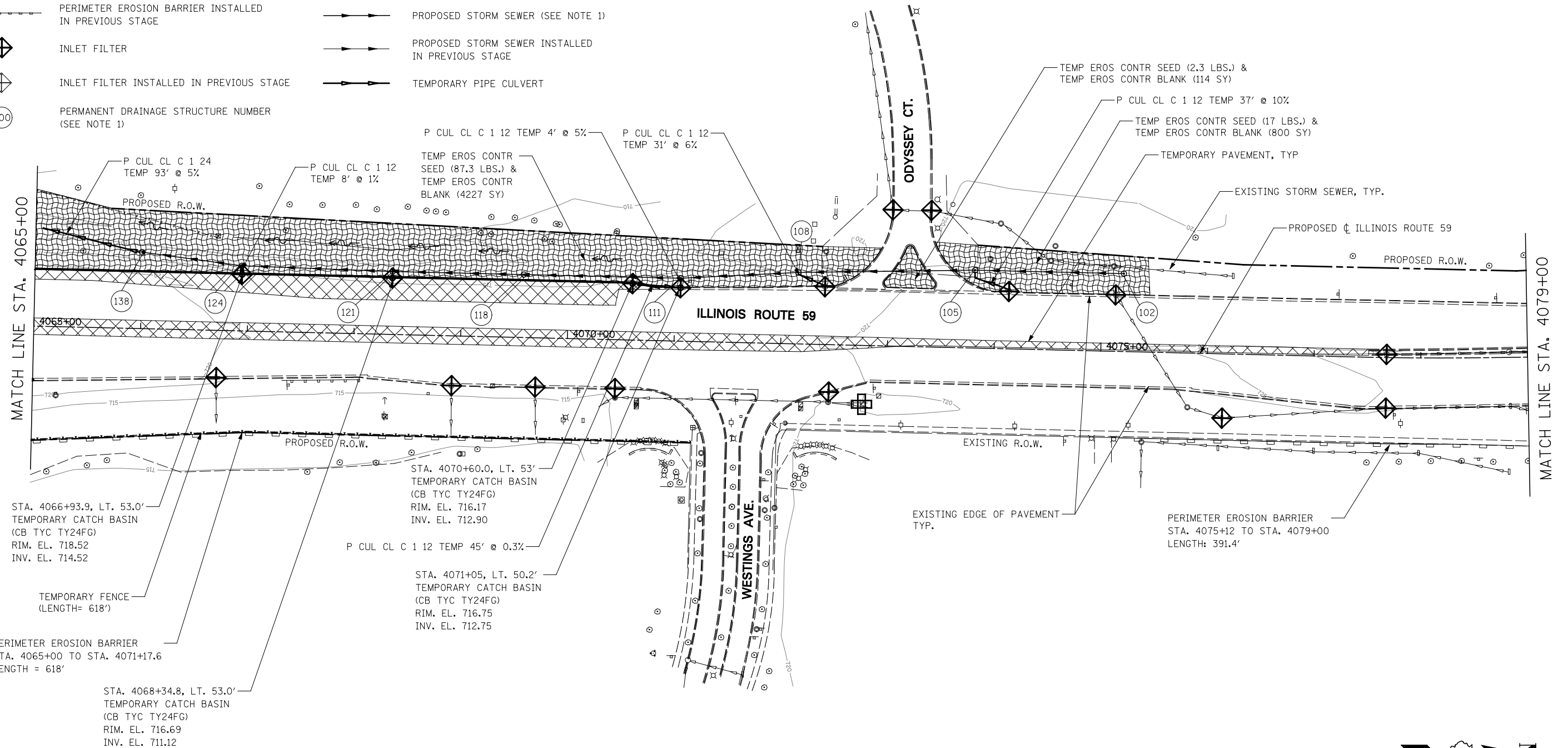
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	478
CONTRACT NO. 60I31				
ILLINOIS FED. AID PROJECT				

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
-  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

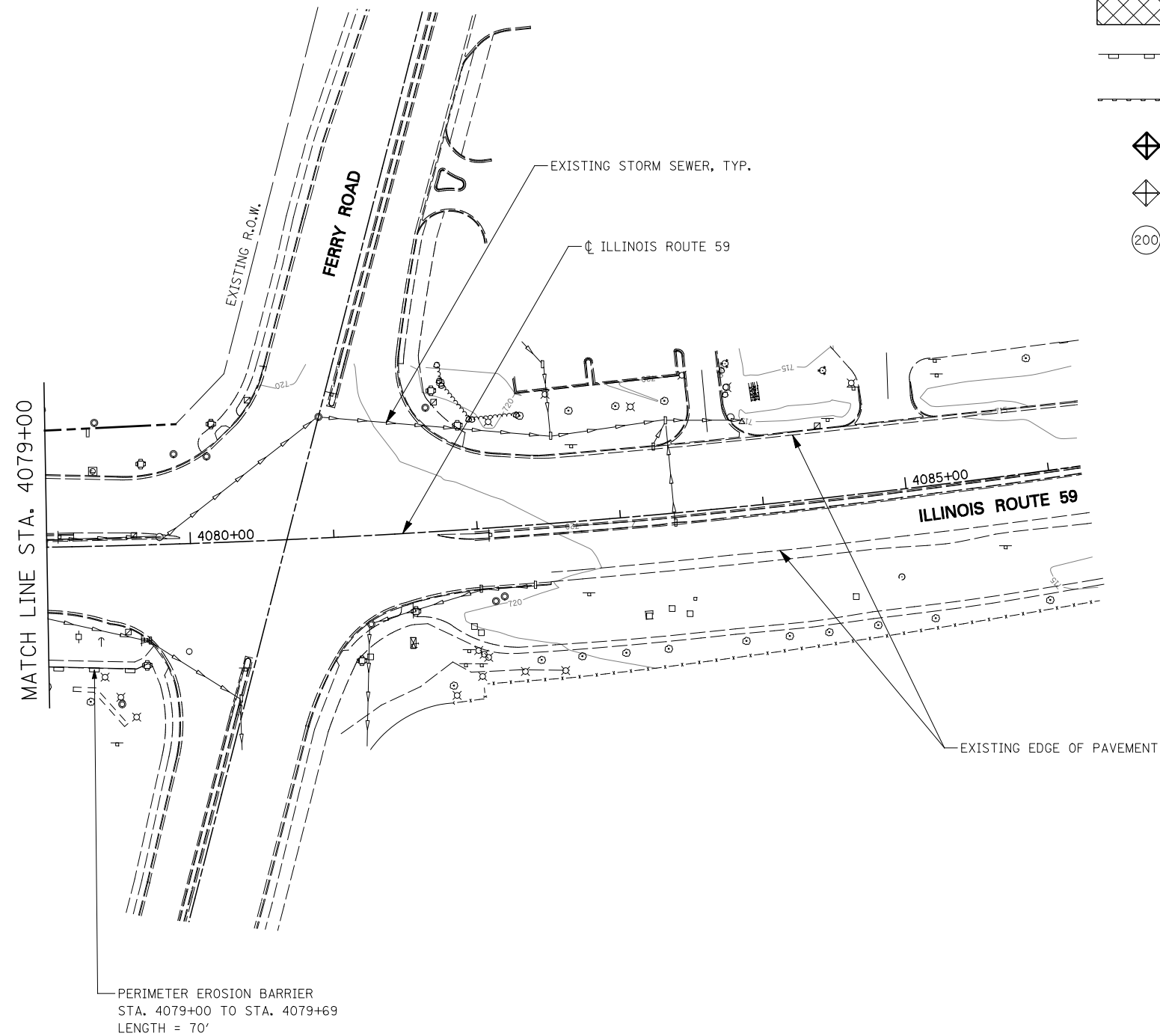
1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE PRE-STAGE CROSS SECTIONS FOR GRADING INFORMATION.



FILE NAME =	USER NAME = #USER#	DESIGNED <i>PJO</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL - PRESTAGE ILLINOIS ROUTE 59	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN <i>KES</i>	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	479	
PLOT SCALE = #SCALE#		CHECKED <i>JCM</i>	REVISED -			CONTRACT NO. 60131					
PLOT DATE = #DATE#		DATE <i>10/15/2012</i>	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO. 4 OF 66 SHEETS		STA. 4065+00 TO STA. 4079+00			

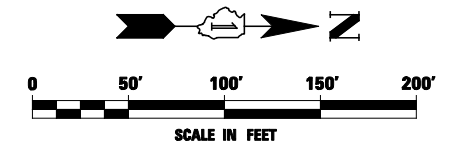
EROSION CONTROL LEGEND

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

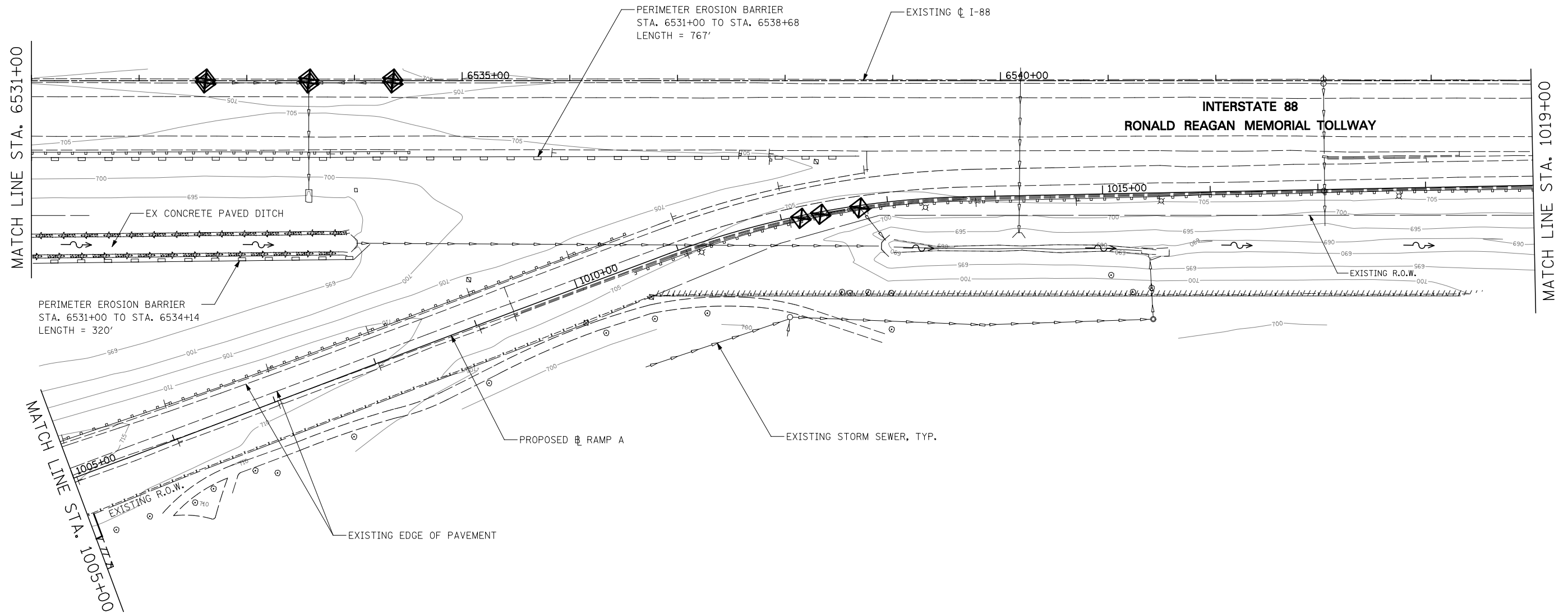


NOTES

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



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

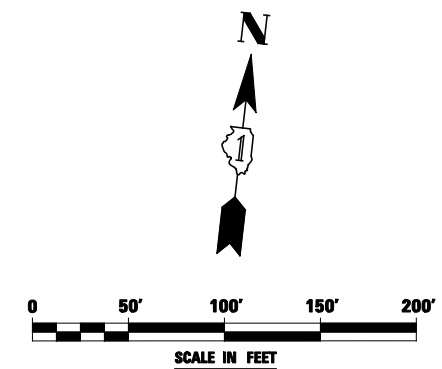


EROSION CONTROL LEGEND

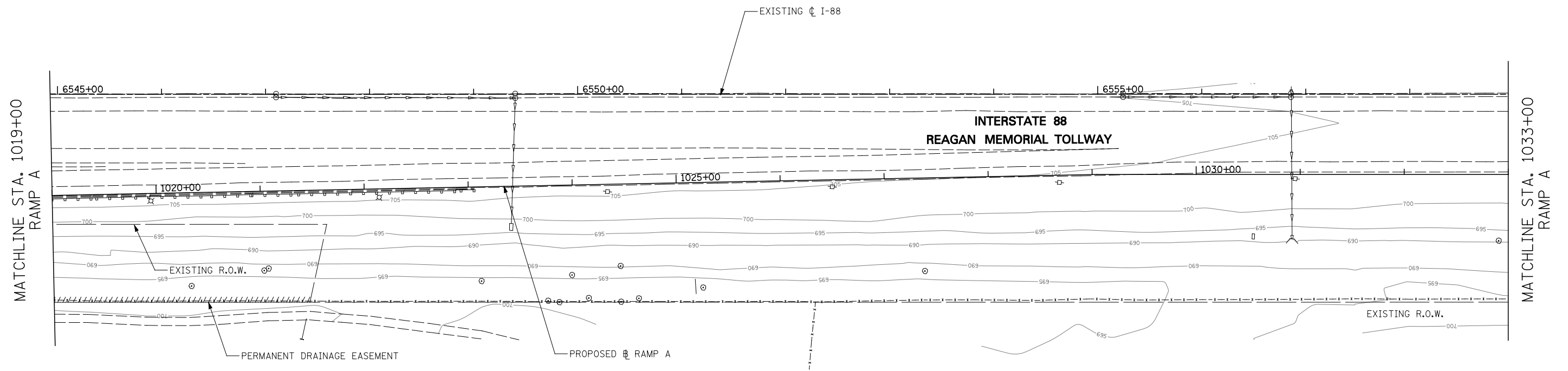
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|--|--|--|---|
| | TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET | | TEMPORARY DITCH CHECK |
| | PERMANENT SEEDING (SEE NOTE 3) | | TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE |
| | TEMPORARY EROSION CONTROL SEEDING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

NOTES

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



FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED <i>PJO</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL - PRESTAGE RAMP A		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>KES</i>	REVISED -		SCALE:	SHEET NO. 6 OF 66 SHEETS	STA. 1005+00 TO STA. 1019+00	338	(112 & 113) WRS-5	DUPAGE	963	481
		CHECKED <i>JCM</i>	REVISED -		CONTRACT NO. 60I31							
		DATE <i>10/15/2012</i>	REVISED -		ILLINOIS FED. AID PROJECT							

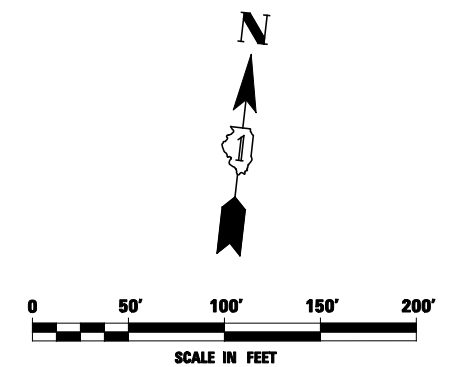


EROSION CONTROL LEGEND

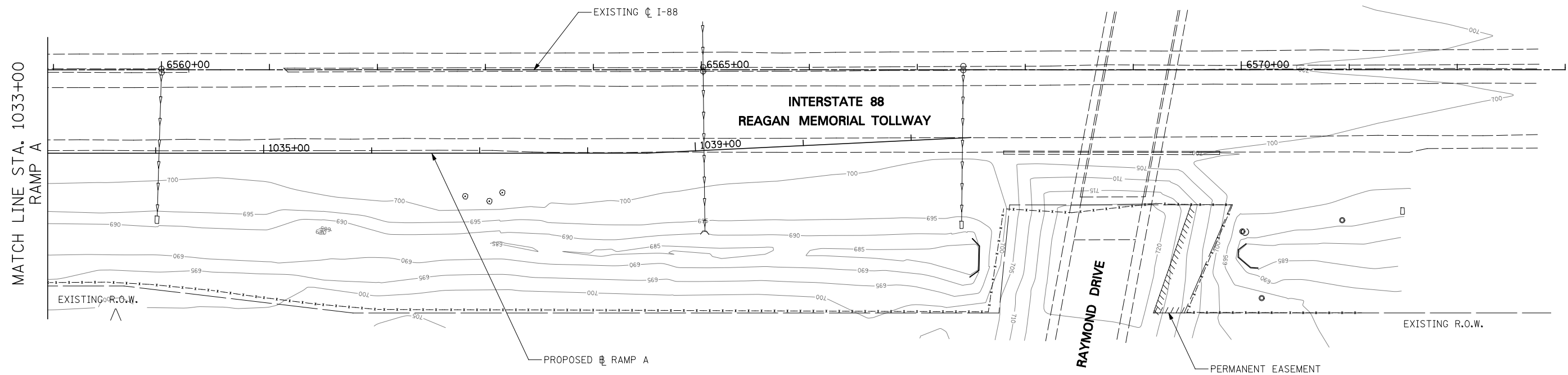
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	PERMANENT SEEDING (SEE NOTE 3)		TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
	TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE		INLET & PIPE PROTECTION
	TEMPORARY PAVEMENT		INLET & PIPE PROTECTION INSTALLED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

NOTES

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



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		DRAWN <i>KES</i>	REVISED -		SCALE:	SHEET NO. 7 OF 66 SHEETS	STA. 1019+00 TO STA. 1033+00	338	(112 & 113) WRS-5	DUPAGE	963	482
		CHECKED <i>JCM</i>	REVISED -		CONTRACT NO. 60131							
		DATE <i>10/15/2012</i>	REVISED -		ILLINOIS FED. AID PROJECT							

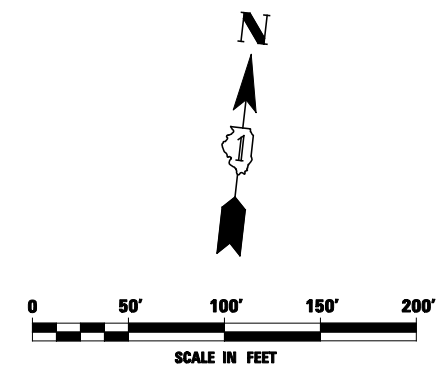


EROSION CONTROL LEGEND

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

NOTES

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



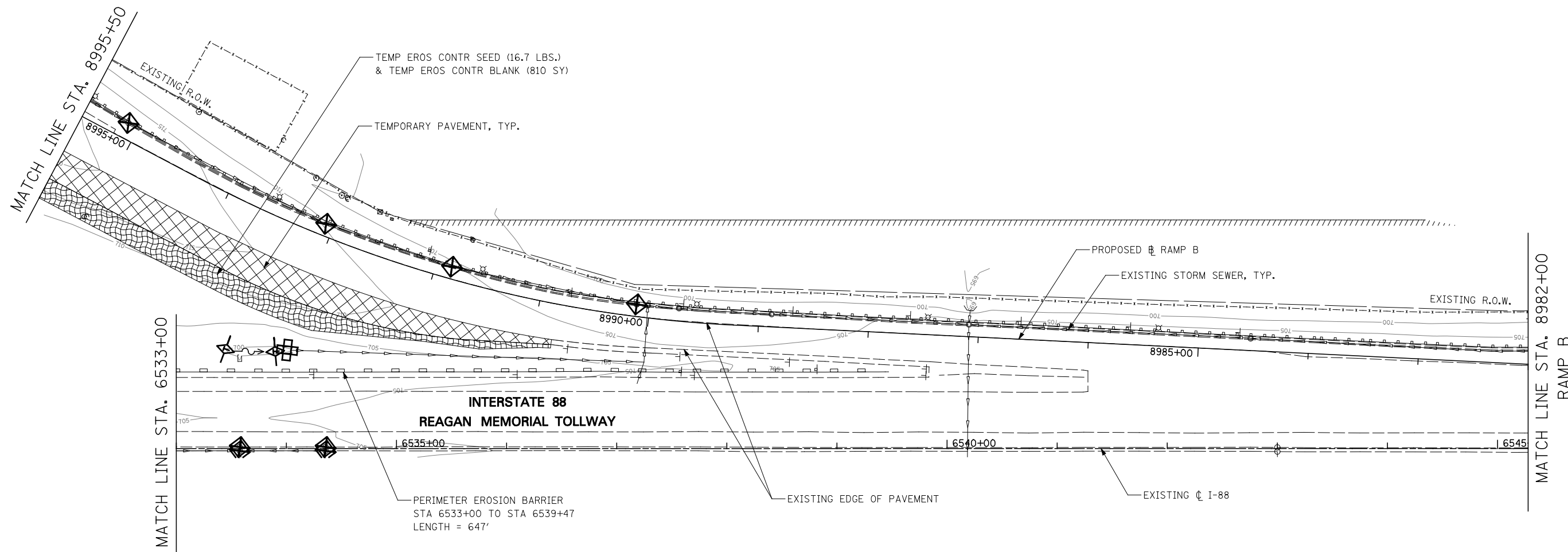
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		CHECKED <i>JCM</i>	REVISED -
		DATE <i>10/15/2012</i>	REVISED -

**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				

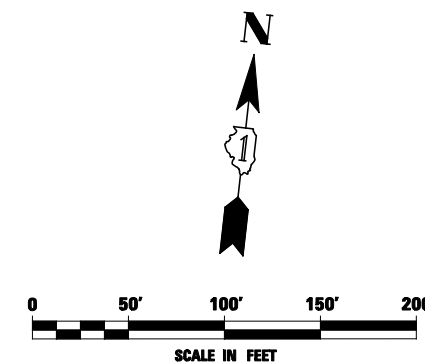


EROSION CONTROL LEGEND

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

NOTES

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



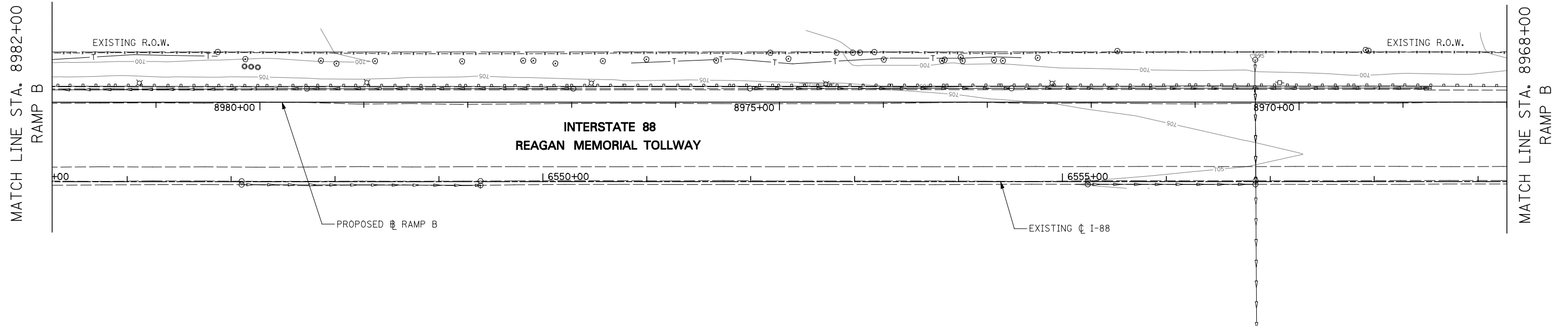
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	PLOT DATE = #DATE#	DATE <i>10/15/2012</i>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

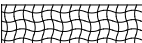

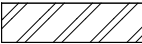





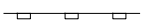








**EROSION CONTROL - PRESTAGE
RAMP B**

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				

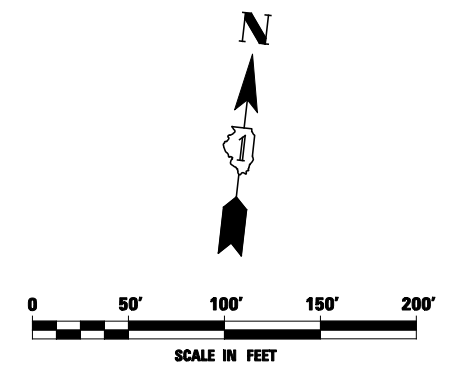


EROSION CONTROL LEGEND

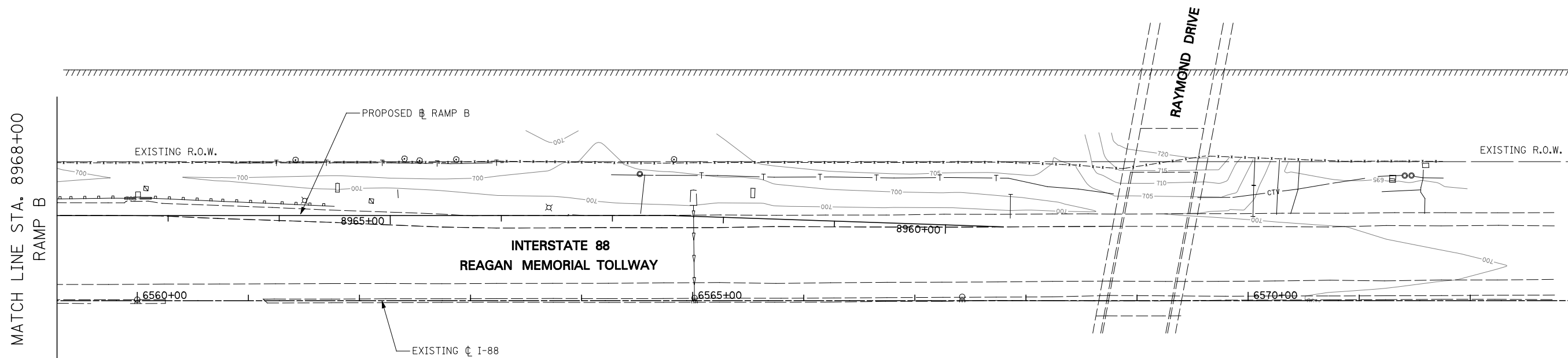
	TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET		TEMPORARY DITCH CHECK
	PERMANENT SEEDING (SEE NOTE 3)		TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
	TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE		INLET & PIPE PROTECTION
	TEMPORARY PAVEMENT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

NOTES

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



FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED <i>PJO</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL - PRESTAGE RAMP B		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>KES</i>	REVISED -		SCALE:	SHEET NO. 10 OF 66 SHEETS	STA. 8968+00 TO STA. 8982+00	338	(112 & 113) WRS-5	DUPAGE	963	485
		CHECKED <i>JCM</i>	REVISED -		CONTRACT NO. 60I31							
		DATE <i>10/15/2012</i>	REVISED -		ILLINOIS FED. AID PROJECT							

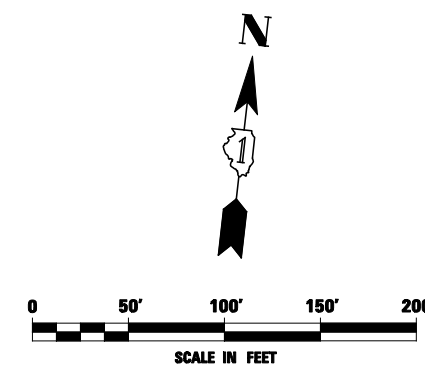


EROSION CONTROL LEGEND

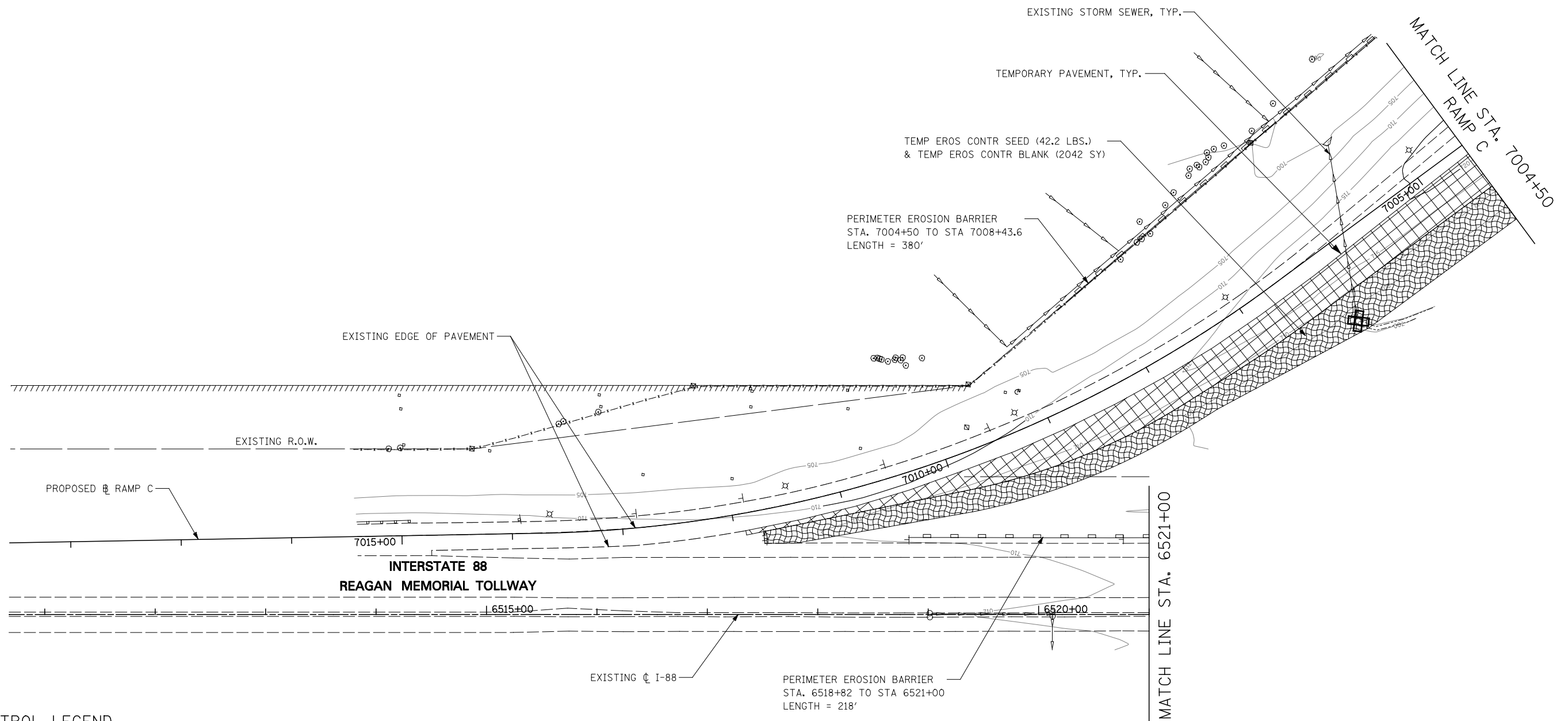
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|--|--|--|---|
| | TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET | | TEMPORARY DITCH CHECK |
| | PERMANENT SEEDING (SEE NOTE 3) | | TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE |
| | TEMPORARY EROSION CONTROL SEEDING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

NOTES

1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONSTRUCTION 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 <i>KES</i>	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	486	
		CHECKED <i>JCM</i>	REVISED -			CONTRACT NO. 60I31					
		DATE <i>10/15/2012</i>	REVISED -			SCALE:	SHEET NO. 11 OF 66 SHEETS	STA. 8959+48	TO STA. 8968+00	ILLINOIS FED. AID PROJECT	

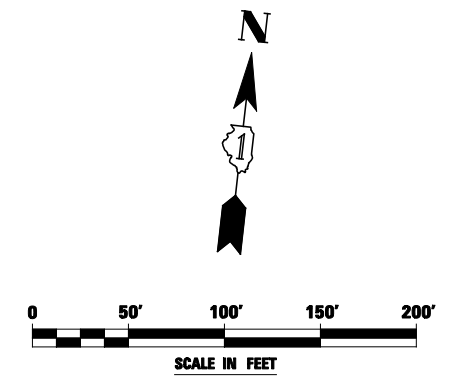


EROSION CONTROL LEGEND

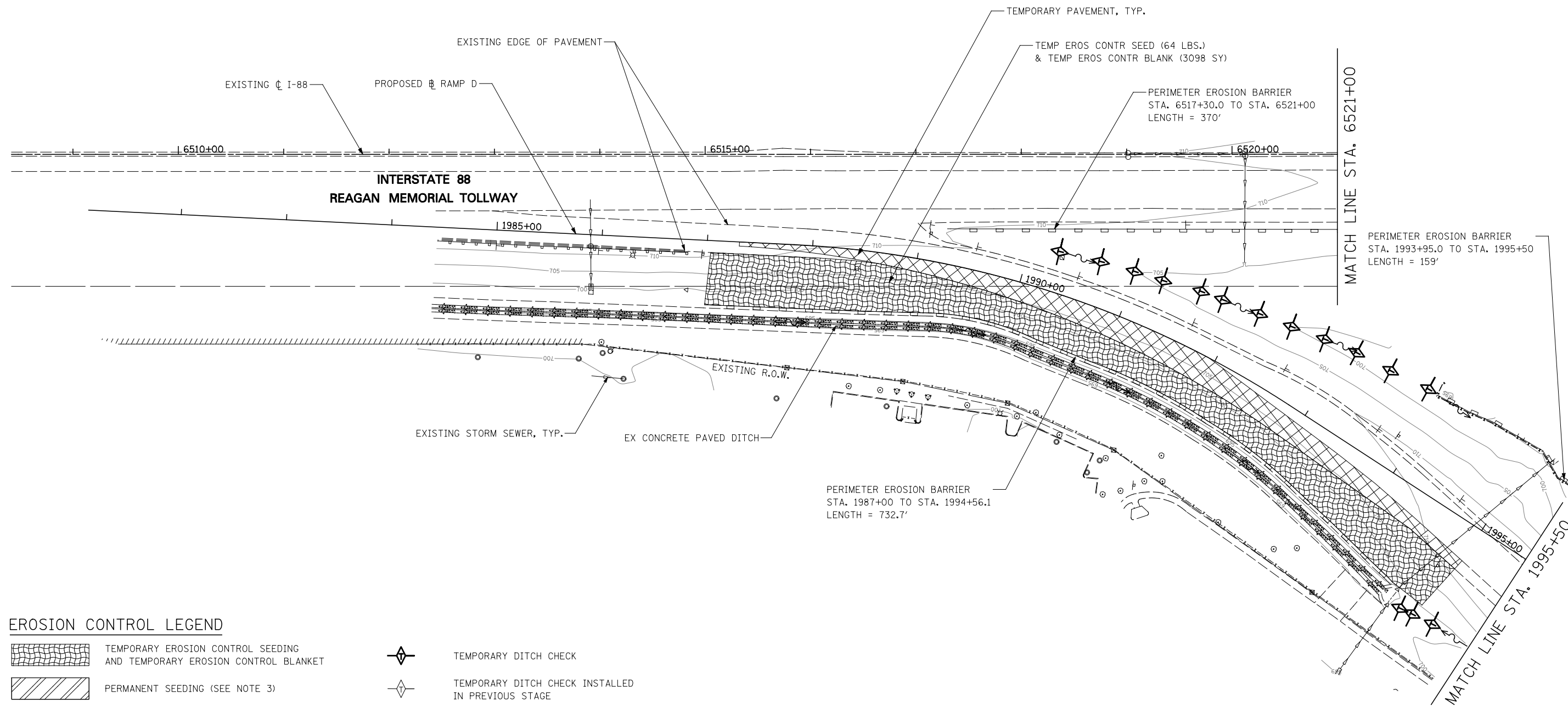
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|--|--|--|---|
| | TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET | | TEMPORARY DITCH CHECK |
| | PERMANENT SEEDING (SEE NOTE 3) | | TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE |
| | TEMPORARY EROSION CONTROL SEEDING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

NOTES

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



FILE NAME =	USER NAME = #USER#	DESIGNED <i>PJO</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL - PRESTAGE RAMP C	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#		DRAWN <i>KES</i>	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	487	
	PLOT SCALE = #SCALE#	CHECKED <i>JCM</i>	REVISED -			CONTRACT NO. 60I31					
	PLOT DATE = #DATE#	DATE <i>10/15/2012</i>	REVISED -			SCALE:	SHEET NO. 12 OF 66 SHEETS	STA. 7004+50 TO STA. 7018+55	ILLINOIS FED. AID PROJECT		

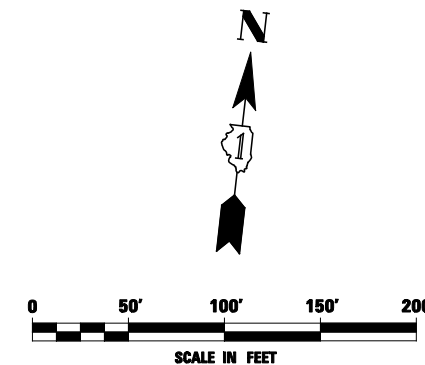


EROSION CONTROL LEGEND

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

NOTES

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



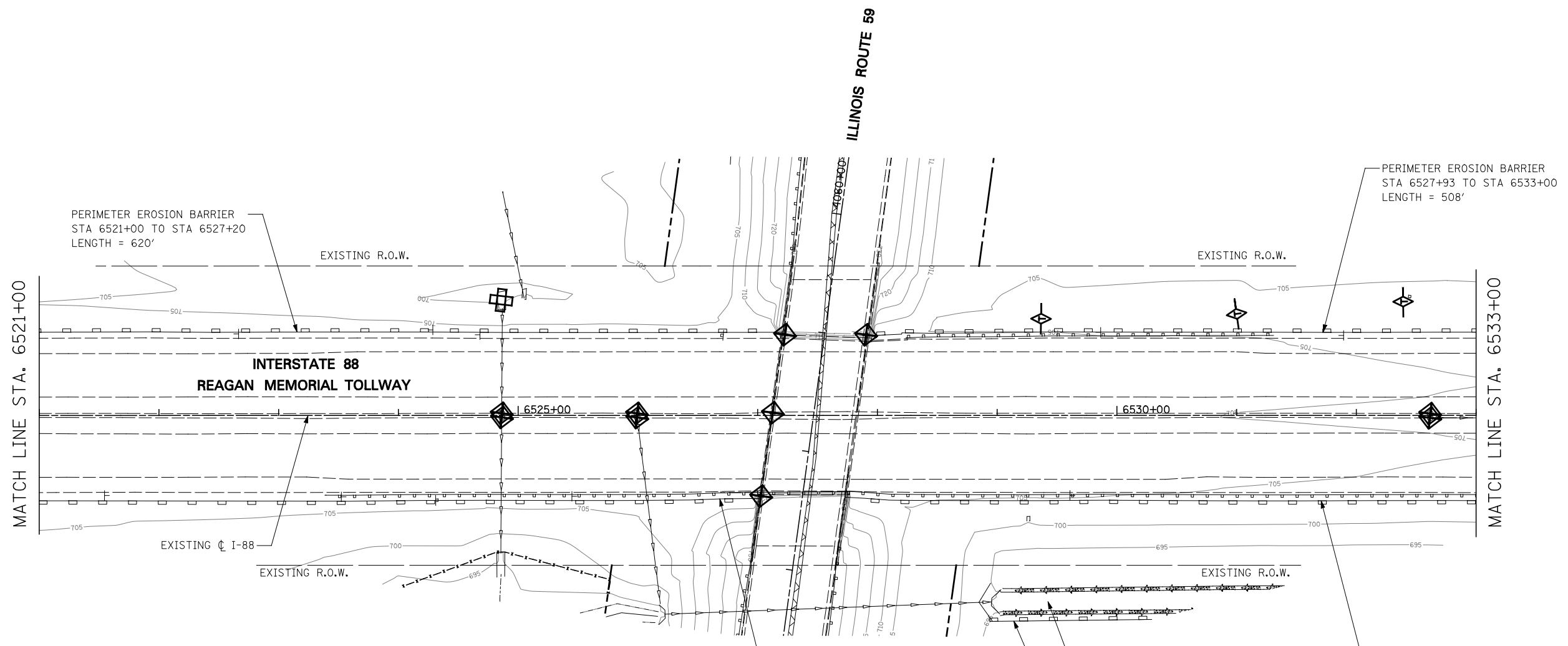
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		DRAWN <i>KES</i>	REVISED -
		CHECKED <i>JCM</i>	REVISED -
		DATE <i>10/15/2012</i>	REVISED -

**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. 60I31				
ILLINOIS FED. AID PROJECT				

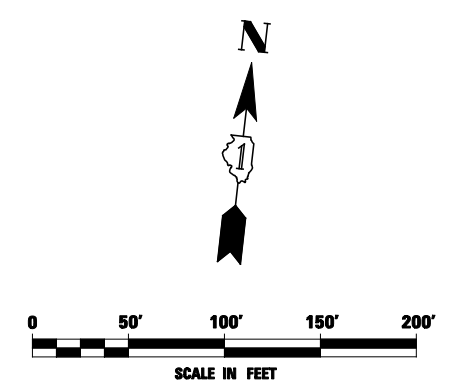


EROSION CONTROL LEGEND

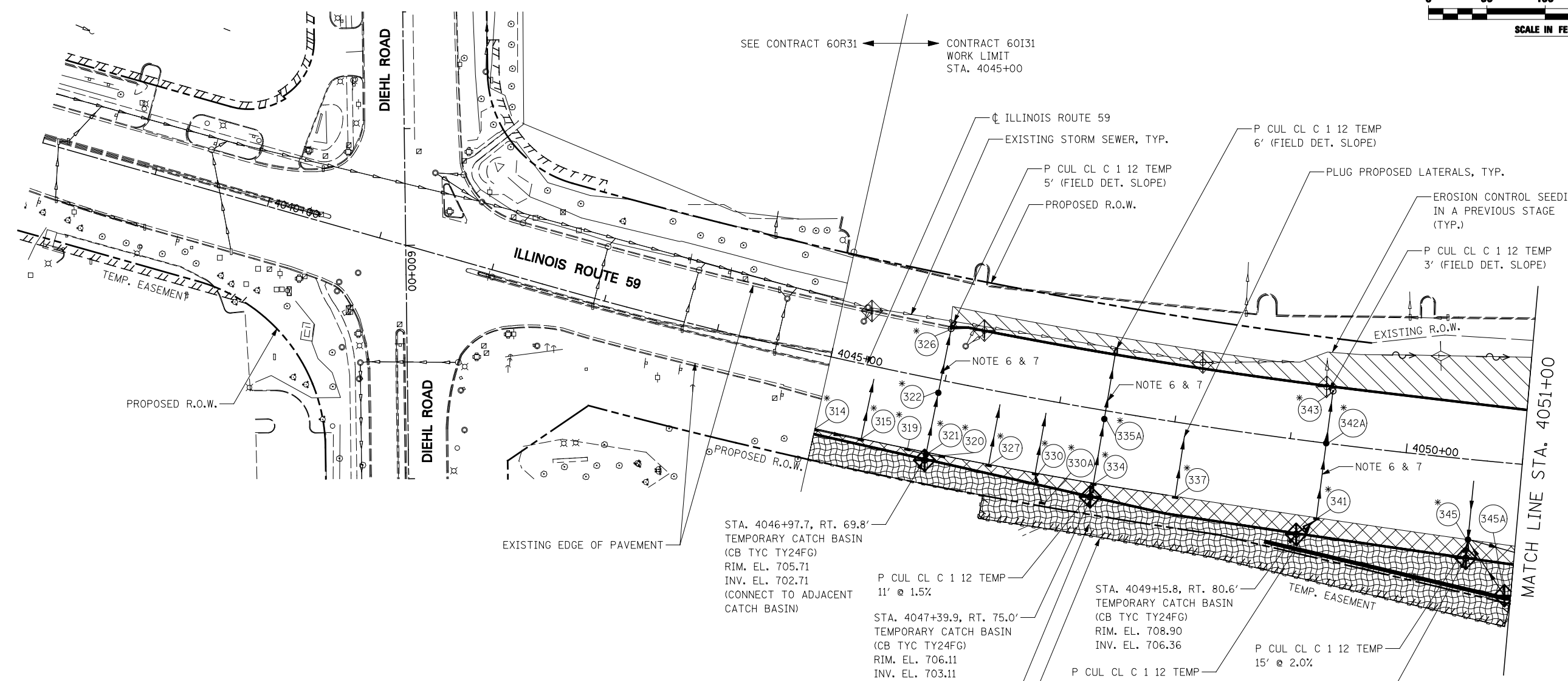
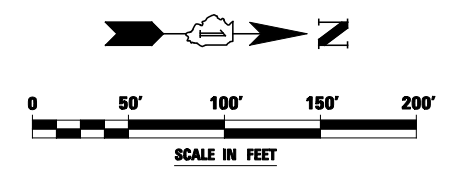
- | | | | |
|--|--|--|---|
| | TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET | | TEMPORARY DITCH CHECK |
| | PERMANENT SEEDING (SEE NOTE 3) | | TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE |
| | TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS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

NOTES

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



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		DRAWN <i>KES</i>	REVISED -		SCALE:	SHEET NO. 14 OF 66 SHEETS	STA. 6521+00 TO STA. 6533+00	338	(112 & 113) WRS-5	DUPAGE	963	489
		CHECKED <i>JCM</i>	REVISED -		CONTRACT NO. 60I31							
		DATE <i>10/15/2012</i>	REVISED -		ILLINOIS FED. AID PROJECT							



EROSION CONTROL LEGEND

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

(*) - SEE NOTE 5

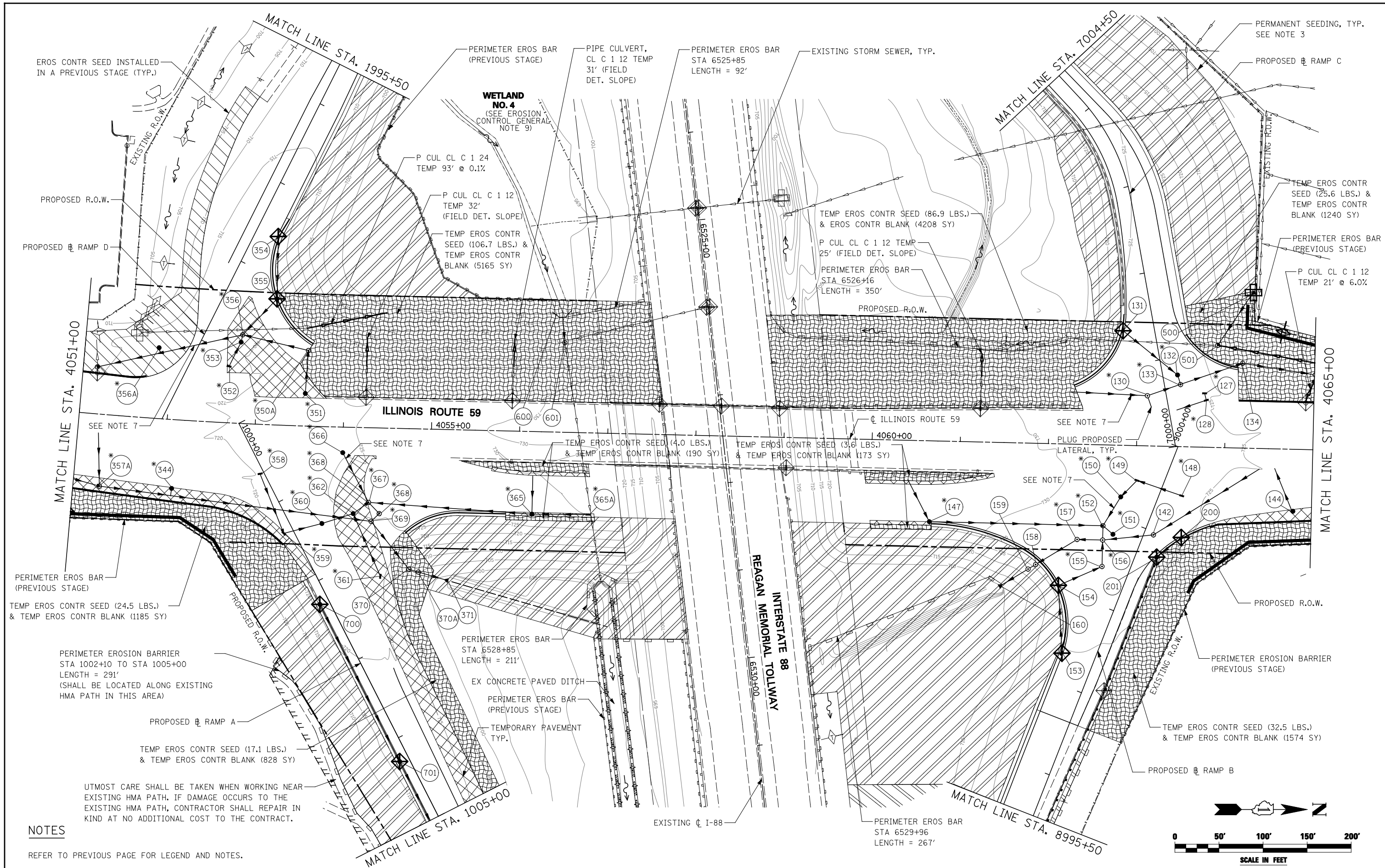
NOTES

- SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
- PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
- SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
- SEE STAGE 1 CROSS SECTIONS FOR GRADING INFORMATION.
- 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.
- STORM SEWER TO BE FULLY CONSTRUCTED ACROSS ENTIRE ROADWAY, USING A SINGLE LANE NIGHT TIME CLOSURE.
- 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 =	USER NAME = #USER#	DESIGNED <i>PJO</i>	REVISED -
#FILEL#		DRAWN <i>KES</i>	REVISED -
		CHECKED <i>JCM</i>	REVISED -
		DATE <i>10/15/2012</i>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

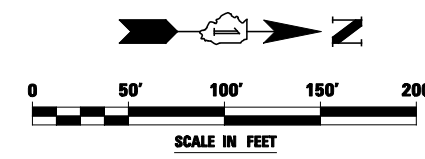
EROSION CONTROL - STAGE 1, 1A, AND 1B		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILLINOIS ROUTE 59		338	(112 & 113) WRS-5	DUPAGE	963	490
SCALE:		SHEET NO. 15 OF 66 SHEETS		STA. 4045+00 TO STA. 4051+00		CONTRACT NO. 60131
ILLINOIS FED. AID PROJECT						



NOTES

REFER TO PREVIOUS PAGE FOR LEGEND AND NOTES.

UTMOST CARE SHALL BE TAKEN WHEN WORKING NEAR EXISTING HMA PATH. IF DAMAGE OCCURS TO THE EXISTING HMA PATH, CONTRACTOR SHALL REPAIR IN KIND AT NO ADDITIONAL COST TO THE CONTRACT.



FILE NAME =	USER NAME = #USER#	DESIGNED <i>PJO</i>	REVISED -
#FILE#		DRAWN <i>KES</i>	REVISED -
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	PLOT DATE = #DATE#	DATE <i>10/15/2012</i>	REVISED -

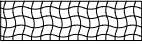
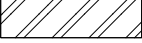
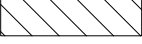

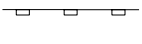
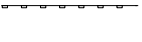











**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

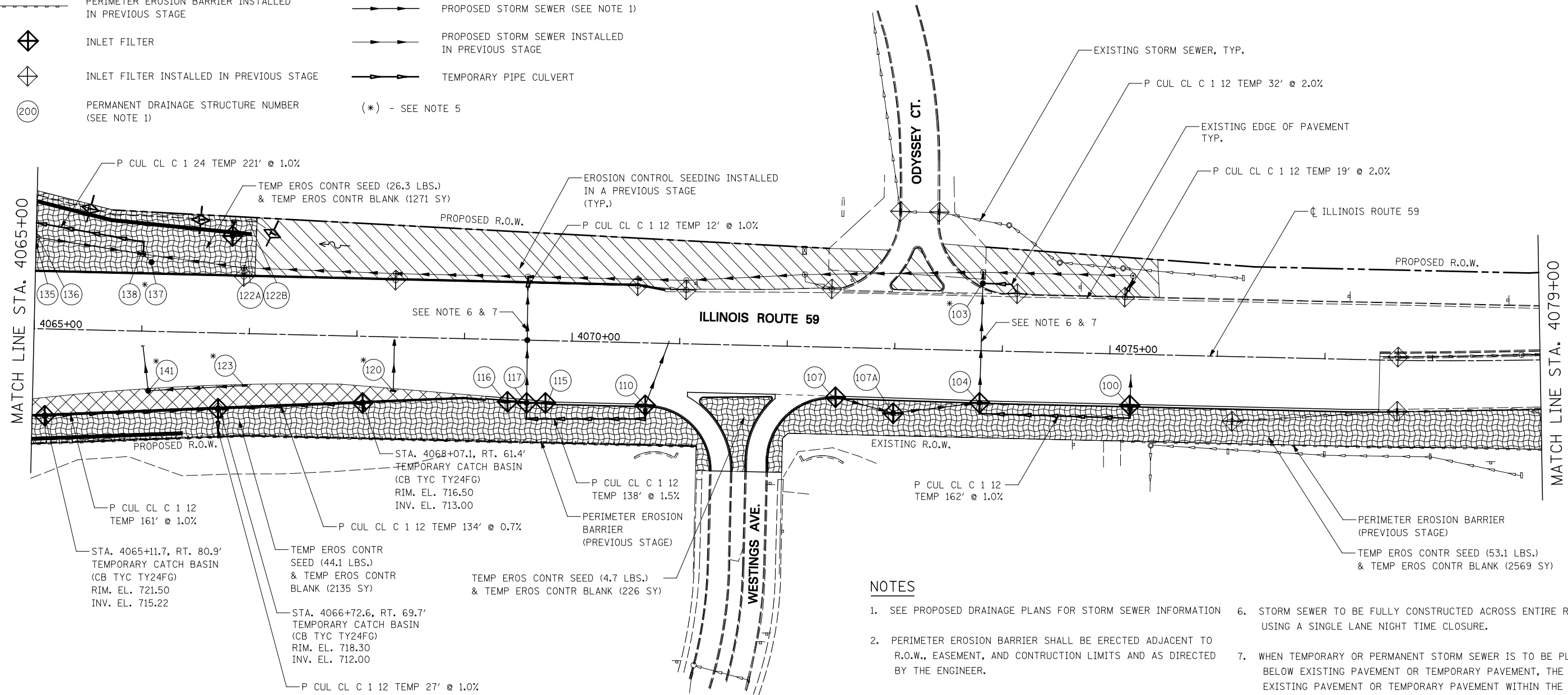
**EROSION CONTROL - STAGE 1, 1A, AND 1B
ILLINOIS ROUTE 59**

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				

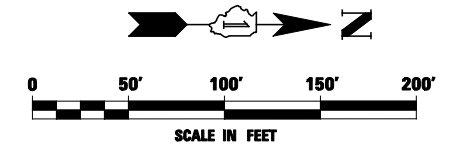
EROSION CONTROL LEGEND

-  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
-  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



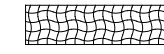

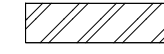

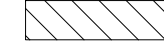



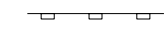

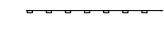



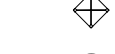

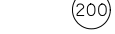
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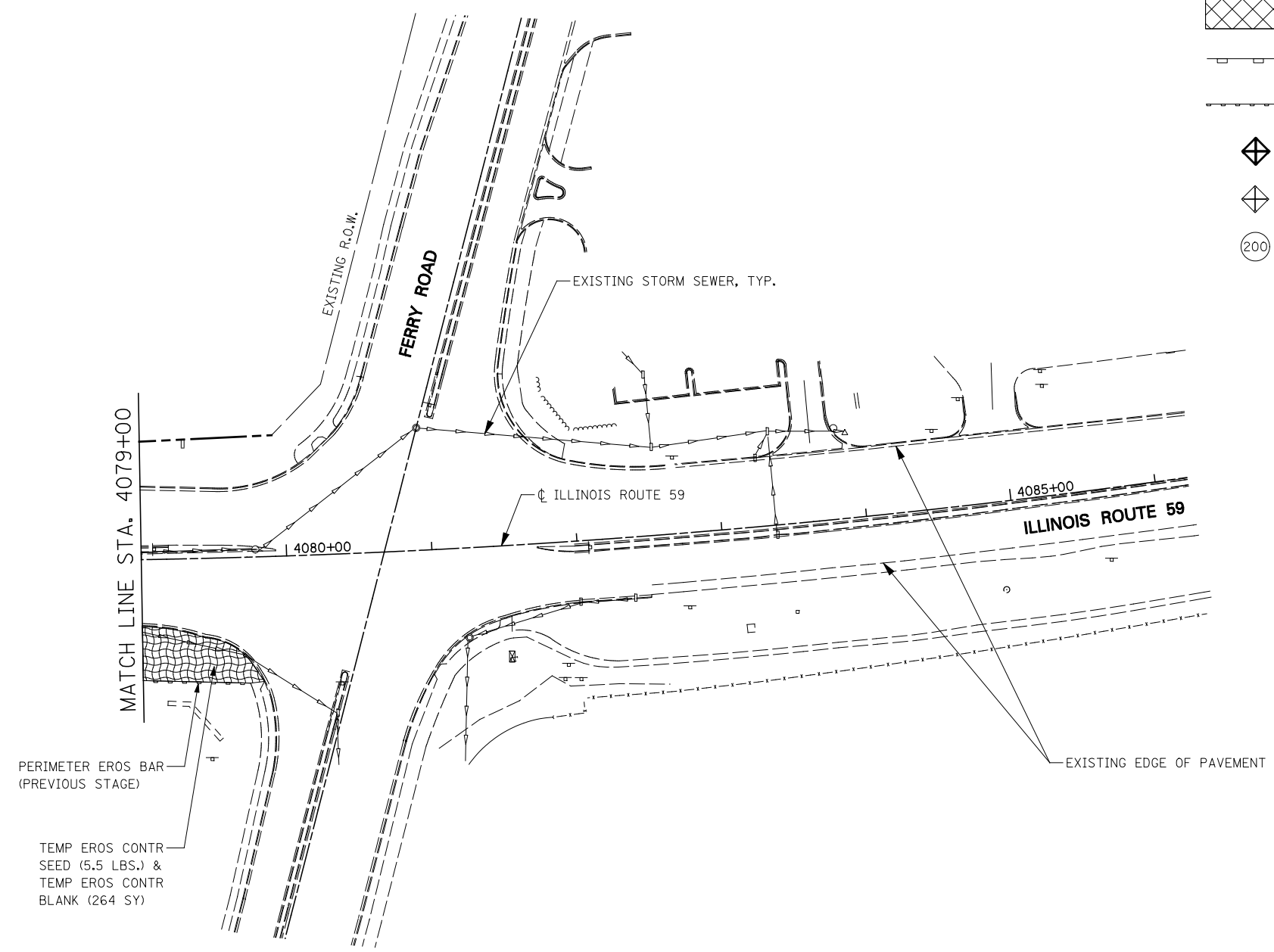
1. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.
4. SEE STAGE 1 CROSS SECTIONS FOR GRADING INFORMATION.
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 =	USER NAME = #USER#	DESIGNED <i>PJO</i>	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.	
#FILEL#		DRAWN <i>KES</i>	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	492	
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PLOT DATE = #DATE#		DATE <i>10/15/2012</i>	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO. 17 OF 66 SHEETS		STA. 4065+00 TO STA. 4079+00			

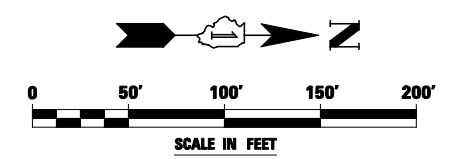
EROSION CONTROL LEGEND

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

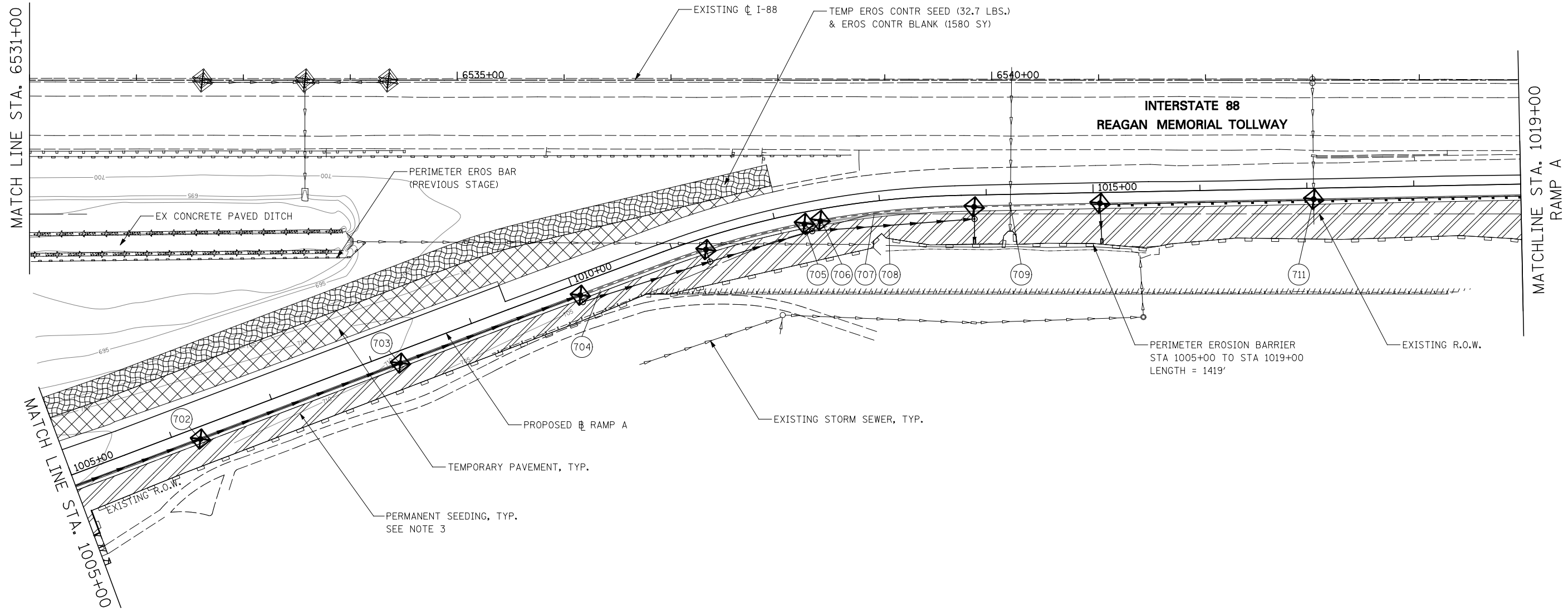


NOTES

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



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		CHECKED <i>JCM</i>	REVISED -			CONTRACT NO. 60I31					
		DATE <i>10/15/2012</i>	REVISED -			SCALE:	SHEET NO. 18 OF 66 SHEETS	STA. 4079+00 TO STA. 4086+00	ILLINOIS FED. AID PROJECT		

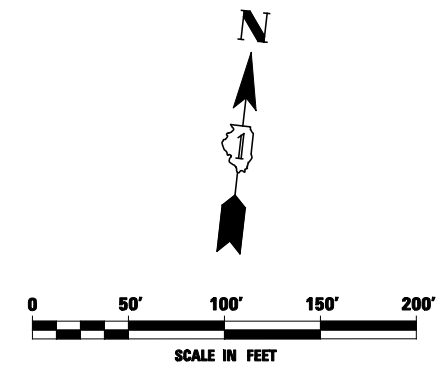


EROSION CONTROL LEGEND

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

NOTES

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



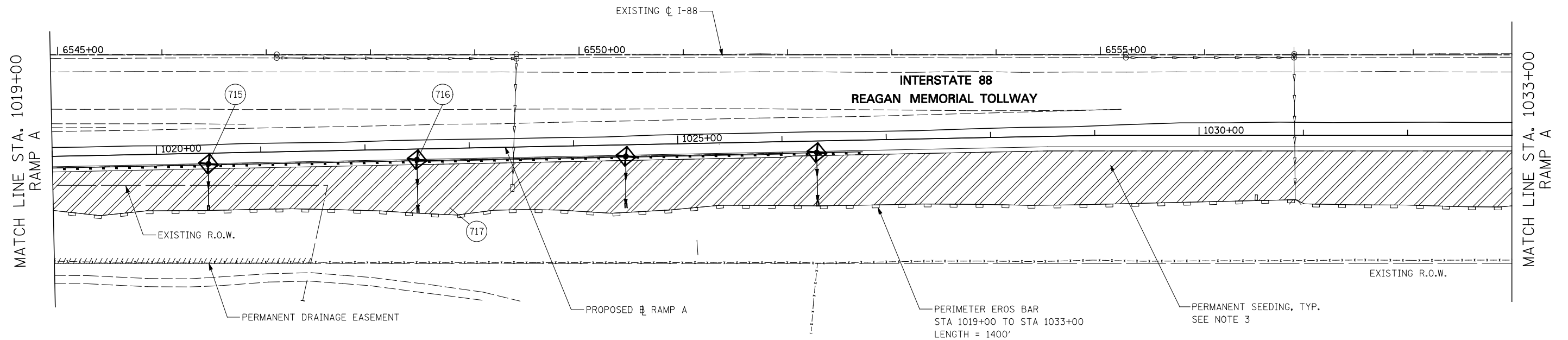
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**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				

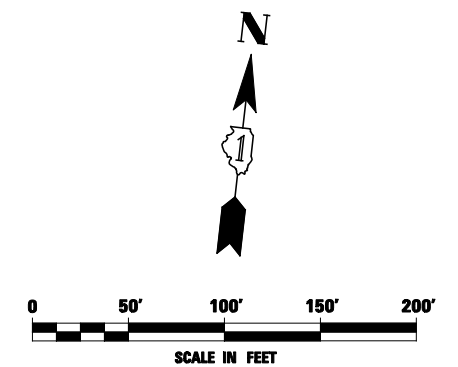


EROSION CONTROL LEGEND

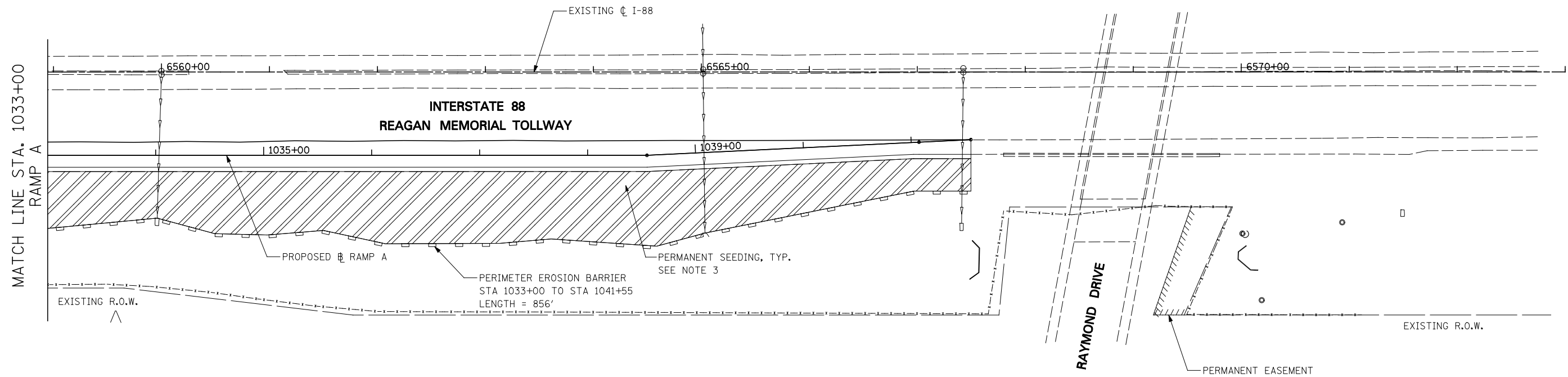
	TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET		TEMPORARY DITCH CHECK
	PERMANENT SEEDING (SEE NOTE 3)		TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
	TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE		INLET & PIPE PROTECTION
	TEMPORARY PAVEMENT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

NOTES

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



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		DRAWN <i>KES</i>	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	495	
		CHECKED <i>JCM</i>	REVISED -			CONTRACT NO. 60I31					
		DATE <i>10/15/2012</i>	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET NO. 20 OF 66 SHEETS	STA. 1019+00	TO STA. 1033+00				

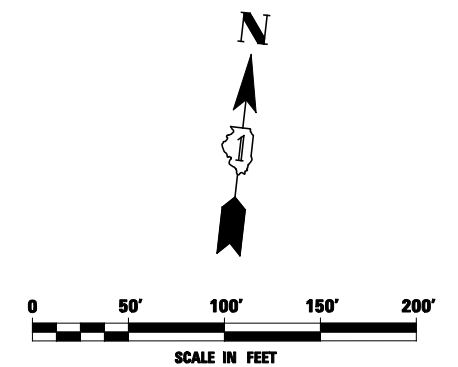


EROSION CONTROL LEGEND

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

NOTES

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



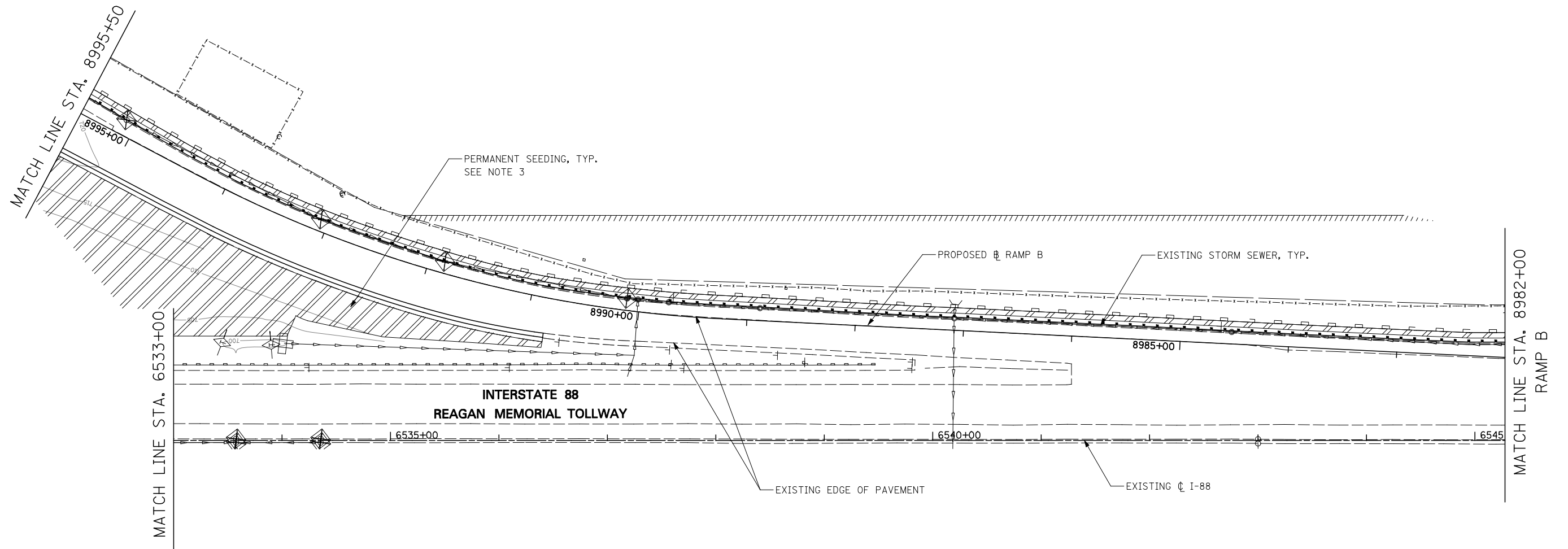
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**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				

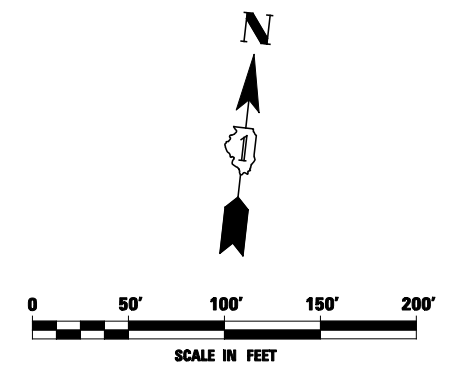


EROSION CONTROL LEGEND

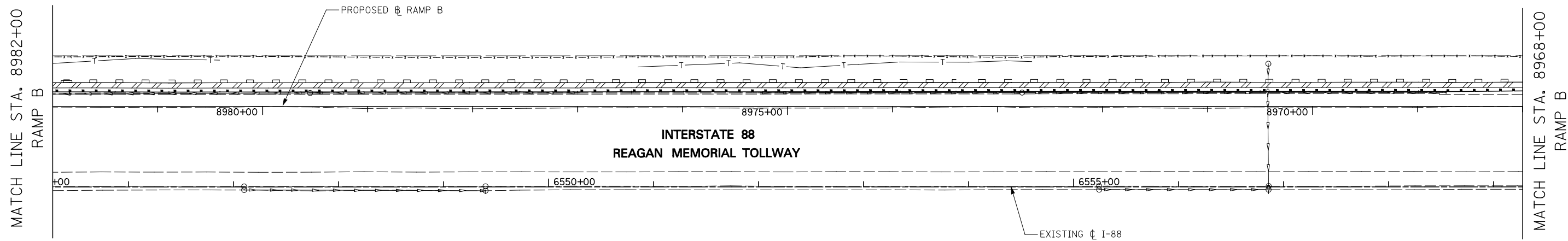
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	PERMANENT SEEDING (SEE NOTE 3)		TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
	TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE		INLET & PIPE PROTECTION
	TEMPORARY PAVEMENT		INLET & PIPE PROTECTION INSTALLED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

NOTES

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



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		DRAWN <i>KES</i>	REVISED -		SCALE:	SHEET NO. 22 OF 66 SHEETS	STA. 8982+00 TO STA. 8995+50	338	(112 & 113) WRS-5	DUPAGE	963	497
		CHECKED <i>JCM</i>	REVISED -		CONTRACT NO. 60I31							
		DATE <i>10/15/2012</i>	REVISED -		ILLINOIS FED. AID PROJECT							

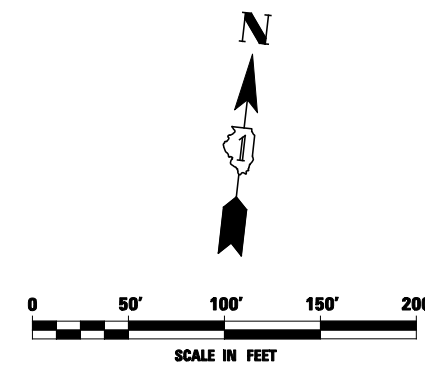


EROSION CONTROL LEGEND

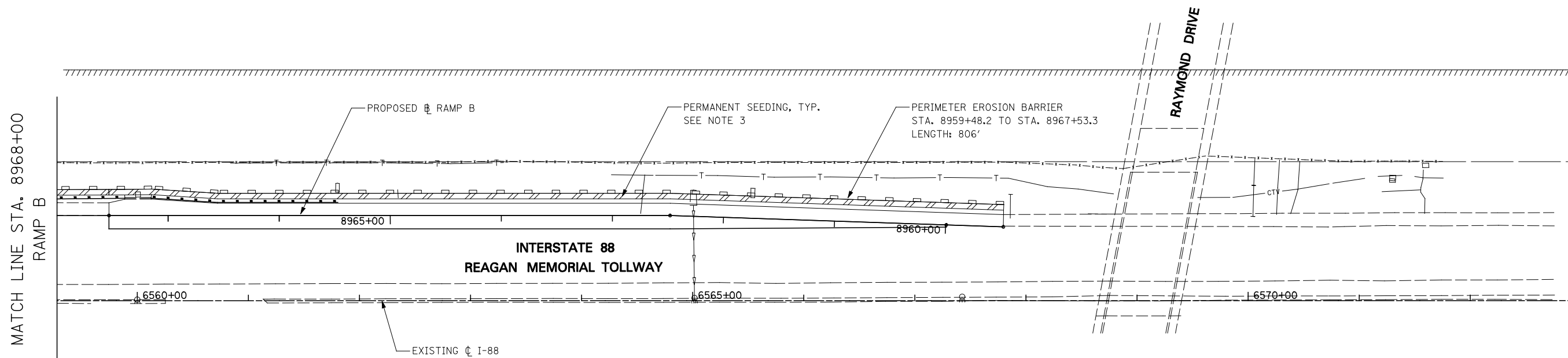
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	PERMANENT SEEDING (SEE NOTE 3)		TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
	TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE		INLET & PIPE PROTECTION
	TEMPORARY PAVEMENT		INLET & PIPE PROTECTION INSTALLED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

NOTES

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FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED <i>PJO</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL - STAGE 1, 1A, AND 1B RAMP B	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>KES</i>	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	498	
		CHECKED <i>JCM</i>	REVISED -			CONTRACT NO. 60I31					
		DATE <i>10/15/2012</i>	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:		SHEET NO. 23 OF 66 SHEETS		STA. 8968+00 TO STA. 8982+00			

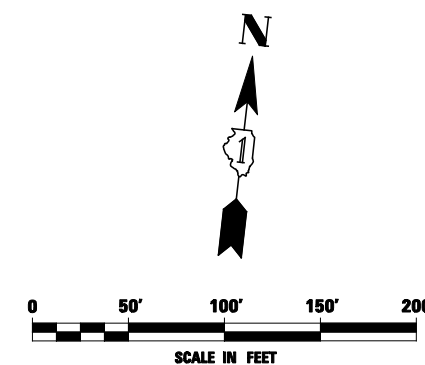


EROSION CONTROL LEGEND

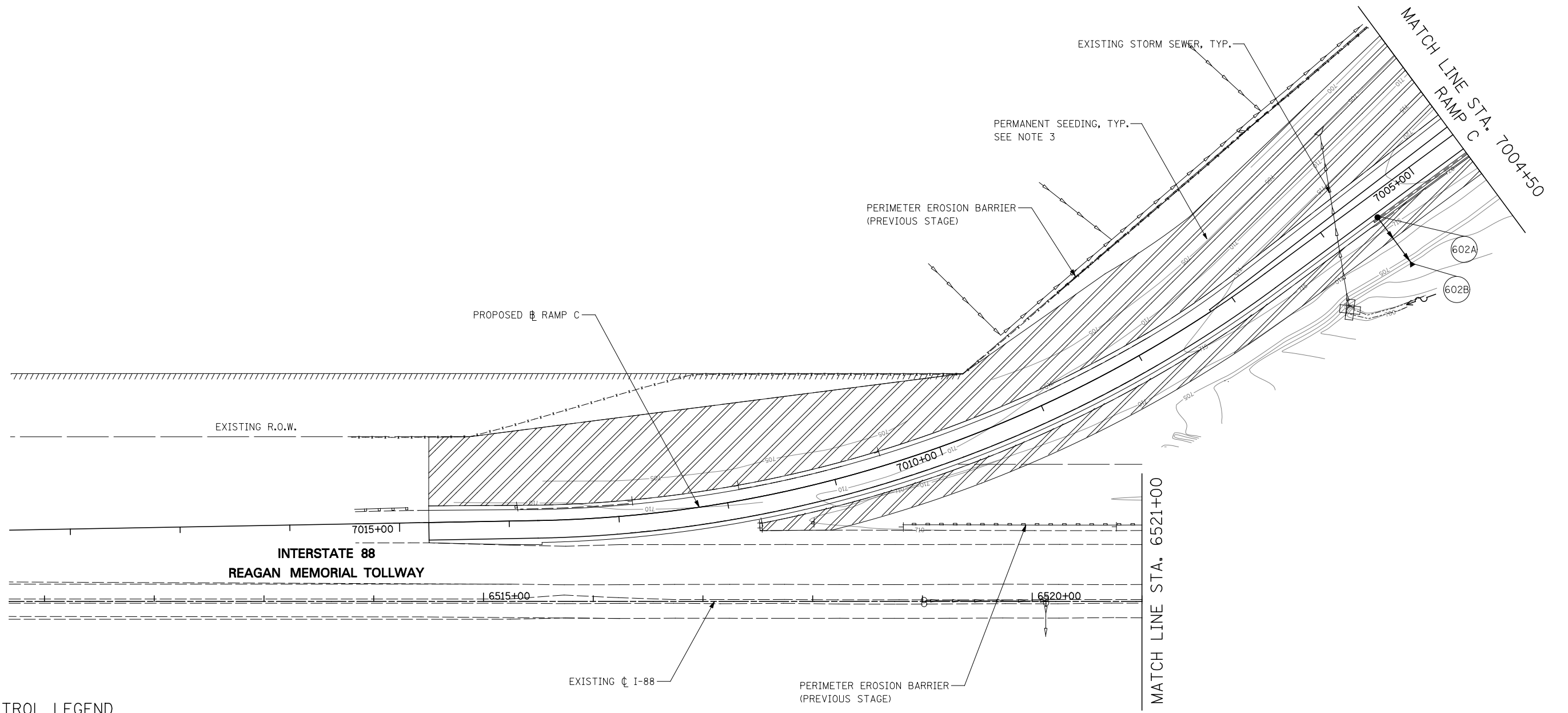
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	PERMANENT SEEDING (SEE NOTE 3)		TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
	TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE		INLET & PIPE PROTECTION
	TEMPORARY PAVEMENT		INLET & PIPE PROTECTION INSTALLED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

NOTES

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4. SEE STAGE 1 CROSS SECTIONS FOR GRADING INFORMATION.



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED <i>PJO</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL - STAGE 1, 1A, AND 1B RAMP B	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>KES</i>	REVISED -			338	(112 & 113) WRS-5	DUPAGE	963	499	
		CHECKED <i>JCM</i>	REVISED -			CONTRACT NO. 60I31					
		DATE <i>10/15/2012</i>	REVISED -			SCALE:	SHEET NO. 24 OF 66 SHEETS	STA. 8959+48	TO STA. 8968+00	ILLINOIS FED. AID PROJECT	

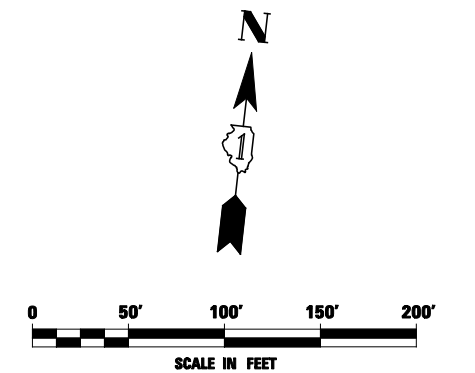


EROSION CONTROL LEGEND

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

NOTES

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**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				