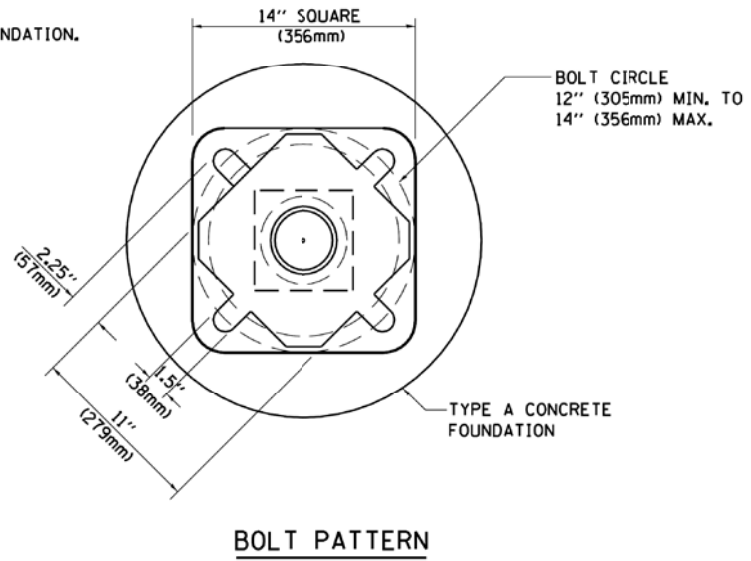


SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



FILE NAME =	USER NAME = *USER*	DESIGNED - DW	REVISED -
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PLOT SCALE = *SCALE*		CHECKED - KMM	REVISED -
PLOT DATE = 12/6/2012		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE - PEDESTRIAN PUSH BUTTON POST, TYPE A
 SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	601
TS- 9			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				

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
 4 EACH LIGHT DETECTOR AND BEACON
 1 EACH LIGHT DETECTOR AMPLIFIER

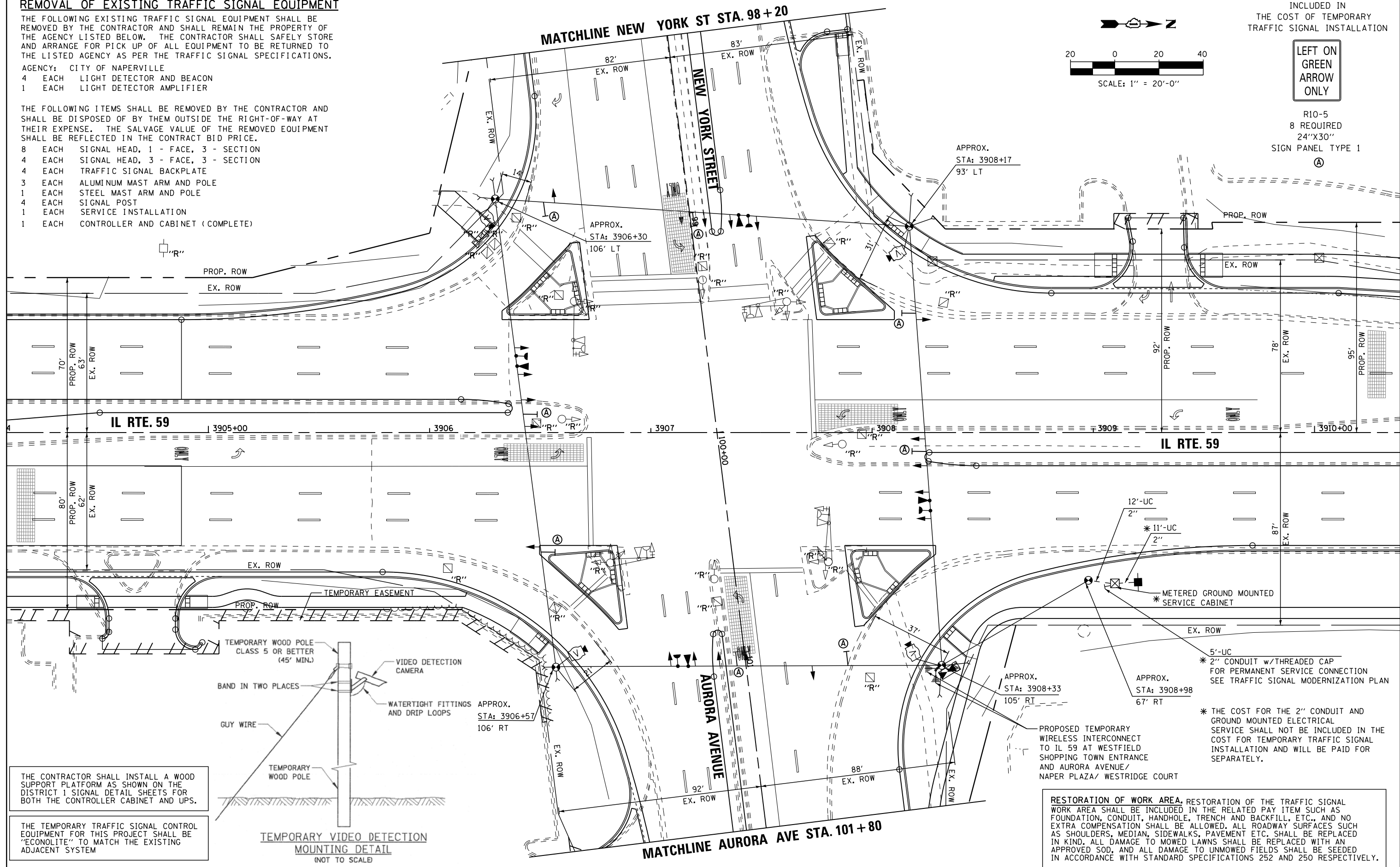
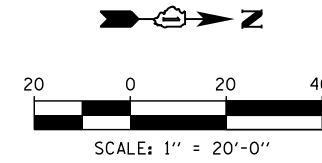
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

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

INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION

LEFT ON GREEN ARROW ONLY

R10-5
 8 REQUIRED
 24"X30"
 SIGN PANEL TYPE 1
 (A)



THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

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

TEMPORARY VIDEO DETECTION MOUNTING DETAIL
 (NOT TO SCALE)

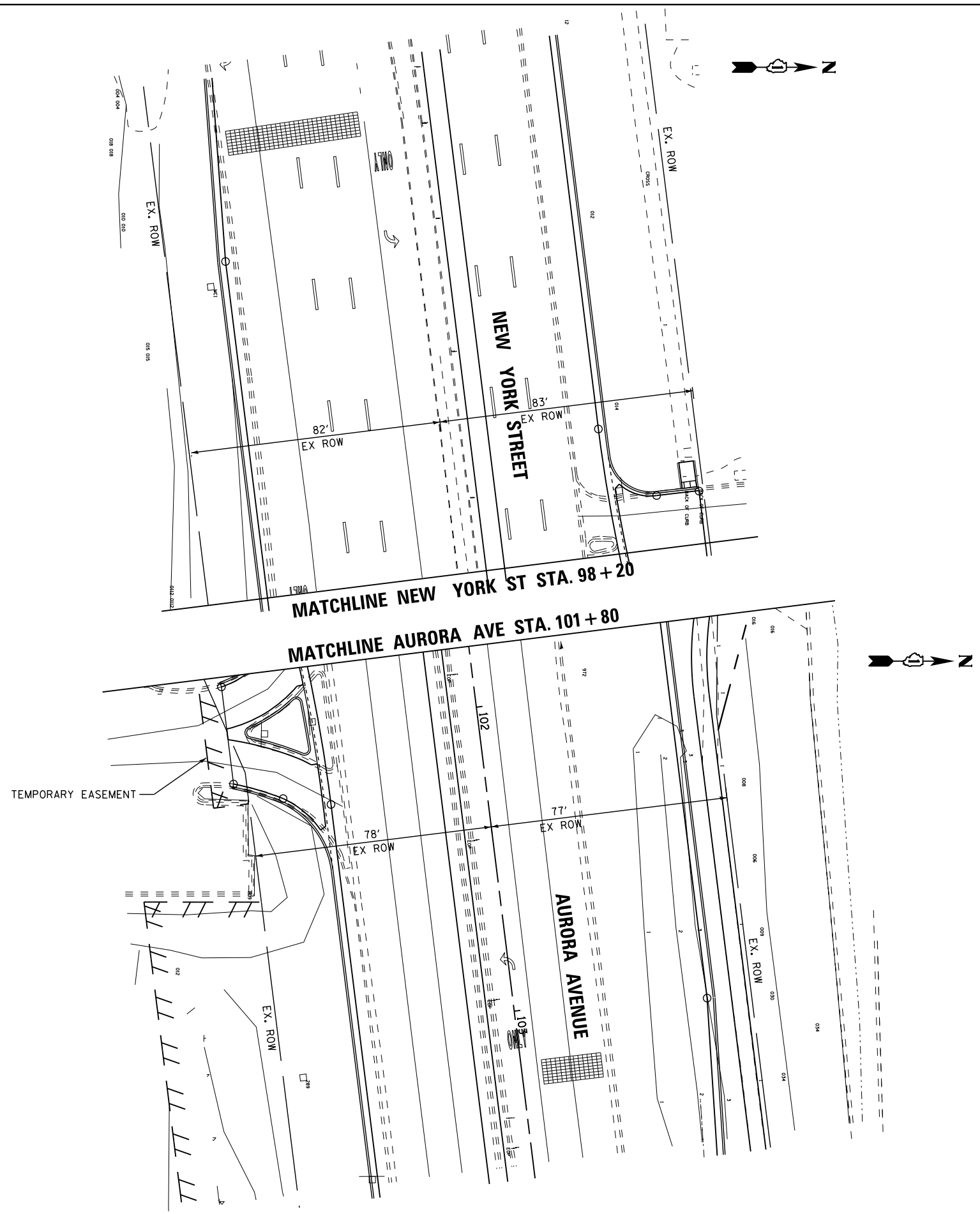
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL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

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	PLOT SCALE = \$SCALE\$	CHECKED - KMM	REVISED -
	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
 & REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
 IL RTE 59 AT NEW YORK ST/AURORA AVE (1 OF 2)**
 SCALE: 1"=20' SHEET NO. 1 OF 4 SHEETS STA. TO STA.

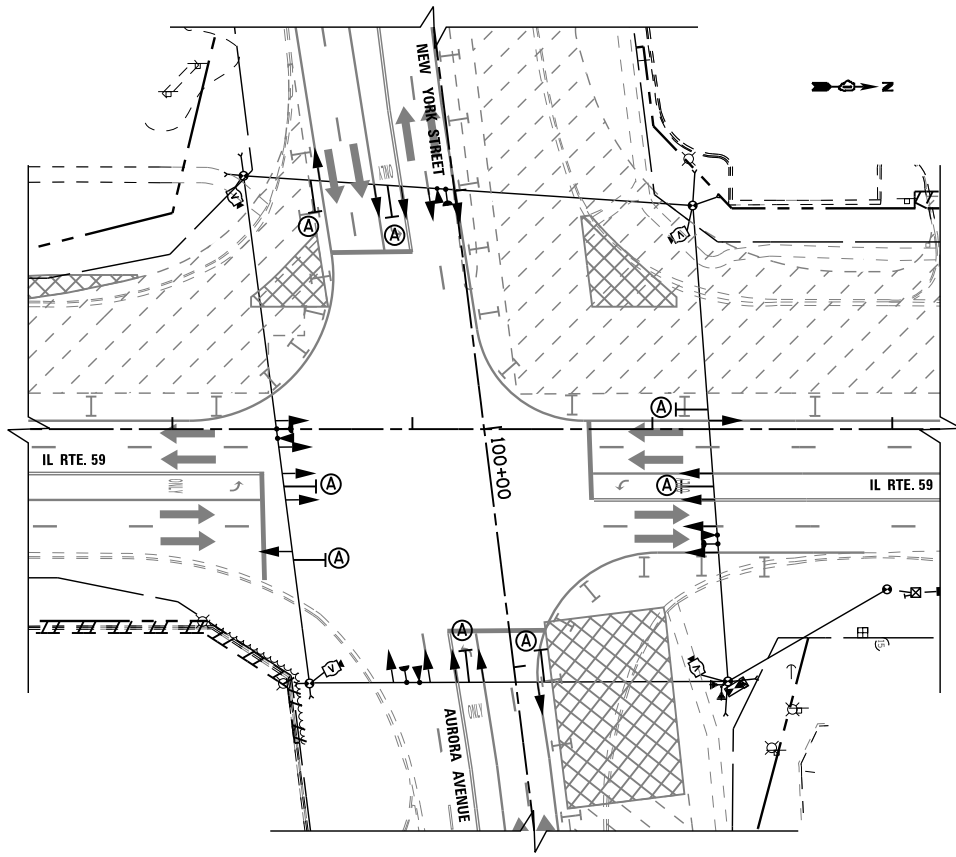
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	602
TS-10		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				



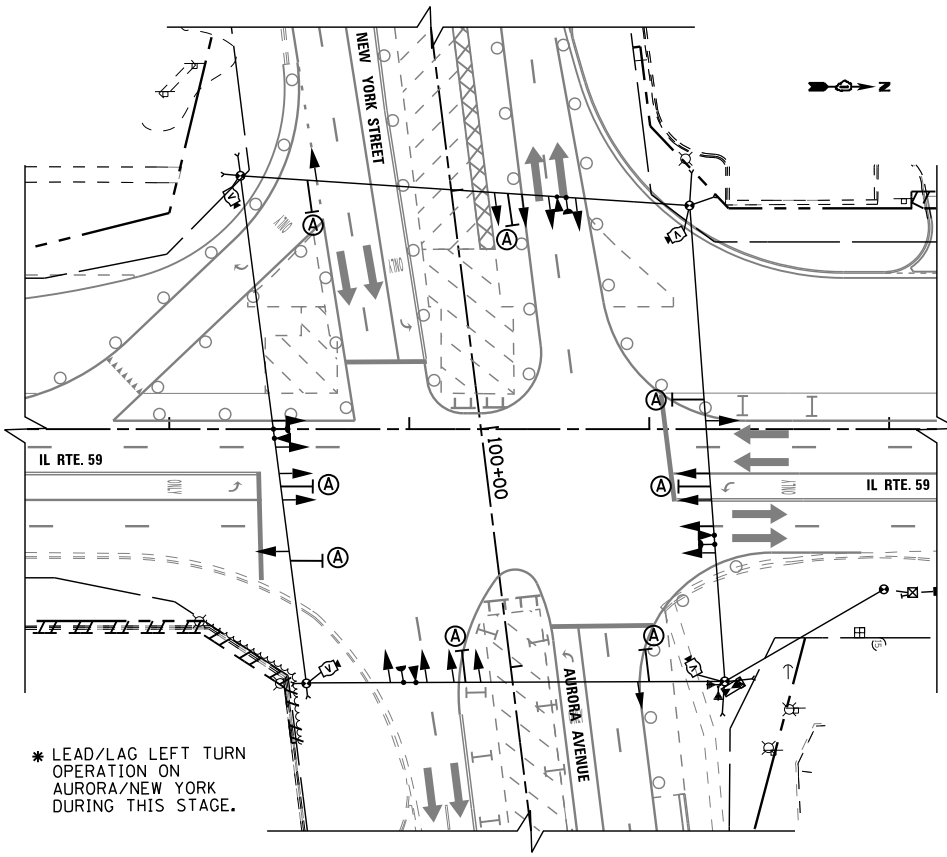
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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 - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION & REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN IL RTE 59 AT NEW YORK ST /AURORA AVE (2 OF 2)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
K:\Projects\090059\Design\Sheet Files\679rwa59tempNY2.dgn		DRAWN - JDH	REVISED -			338	(112 & 113) WRS-7	DUPAGE	1156	603
PLOT SCALE = \$SCALE\$		CHECKED - KMM	REVISED -			TS-11		CONTRACT NO. 60R30		
PLOT DATE = 12/6/2012		DATE -	REVISED -			SCALE: 1"=20'	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.	
ILLINOIS FED. AID PROJECT										

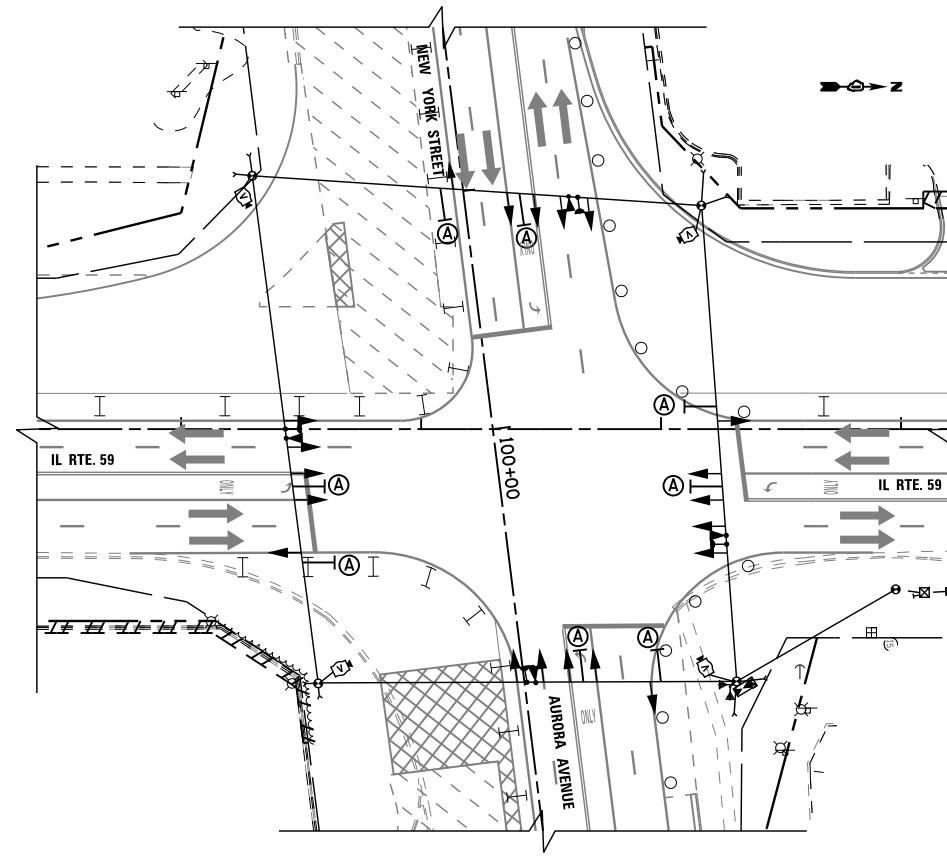


TEMPORARY TRAFFIC SIGNAL STAGE 1

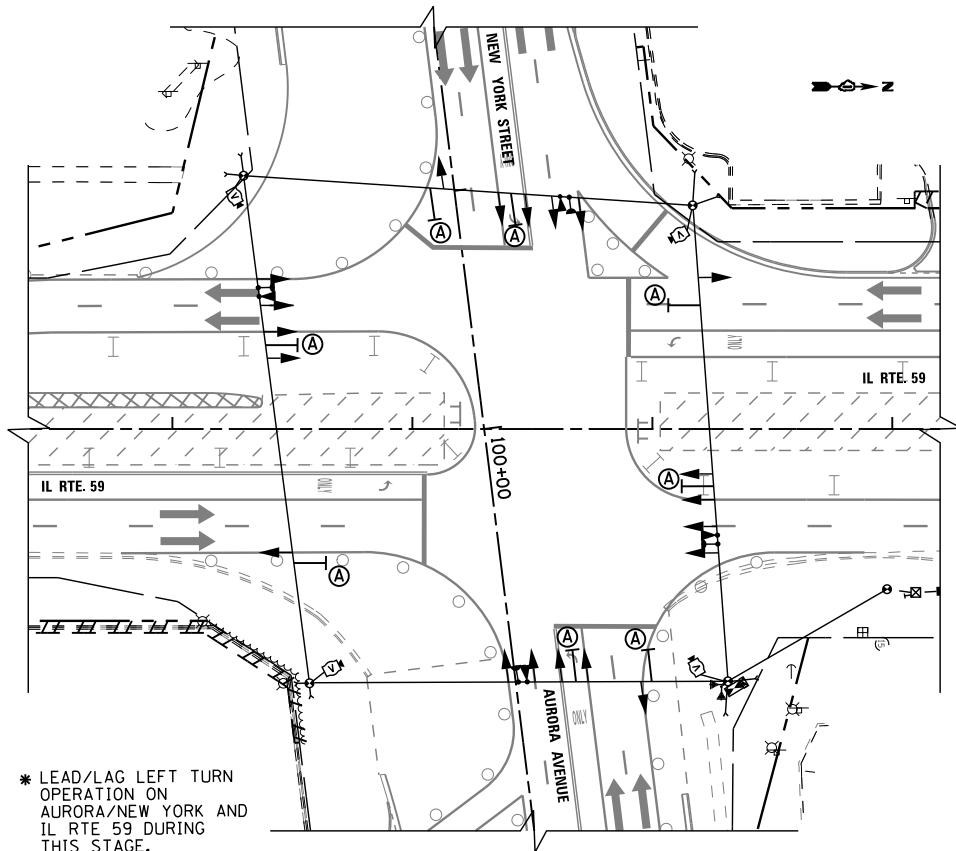


TEMPORARY TRAFFIC SIGNAL STAGE 1A

* LEAD/LAG LEFT TURN OPERATION ON AURORA/NEW YORK DURING THIS STAGE.

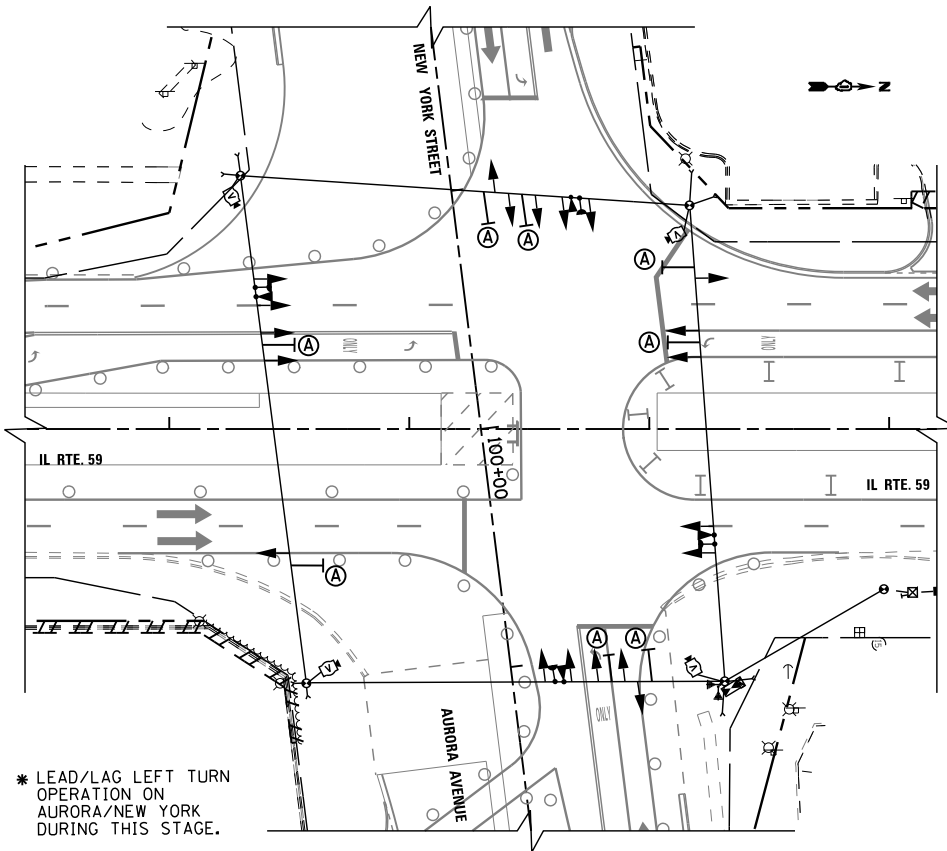


TEMPORARY TRAFFIC SIGNAL STAGE 1B



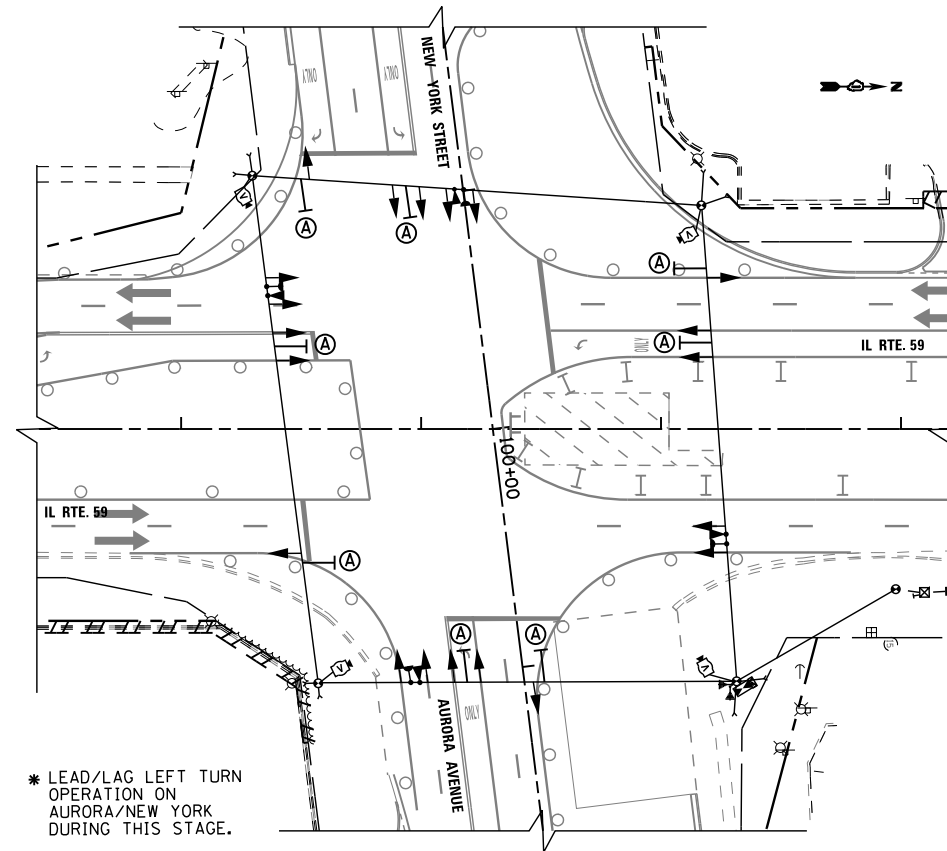
TEMPORARY TRAFFIC SIGNAL STAGE 2

* LEAD/LAG LEFT TURN OPERATION ON AURORA/NEW YORK AND IL RTE 59 DURING THIS STAGE.



TEMPORARY TRAFFIC SIGNAL STAGE 2A

* LEAD/LAG LEFT TURN OPERATION ON AURORA/NEW YORK DURING THIS STAGE.



TEMPORARY TRAFFIC SIGNAL STAGE 2B

* LEAD/LAG LEFT TURN OPERATION ON AURORA/NEW YORK DURING THIS STAGE.

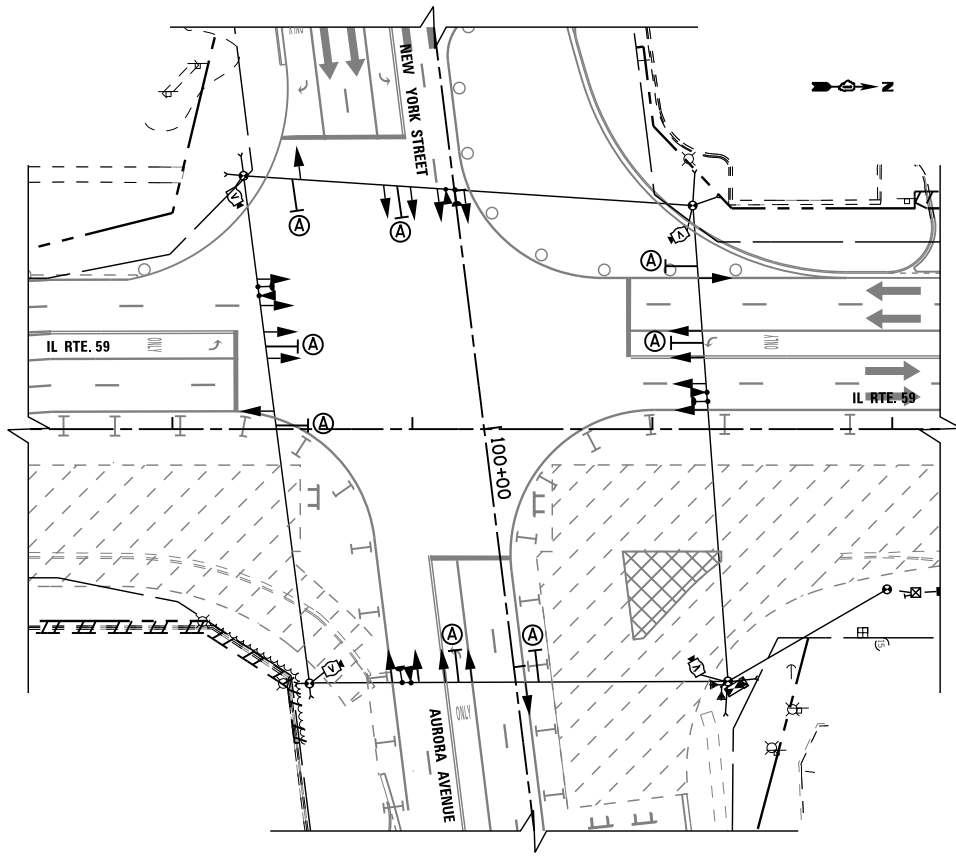
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	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

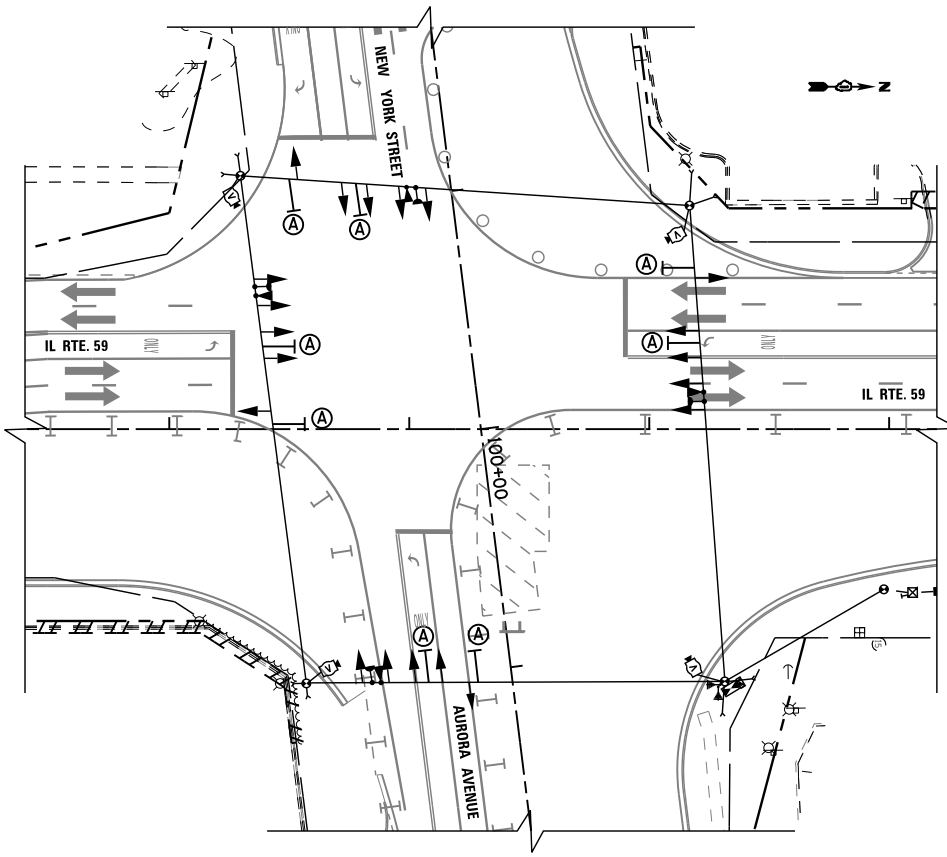
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
 MOT STAGING PLAN (1 OF 2)
 IL RTE 59 AT NEW YORK ST/AURORA AVE**

SCALE: NTS SHEET NO. 3 OF 4 SHEETS STA. TO STA.

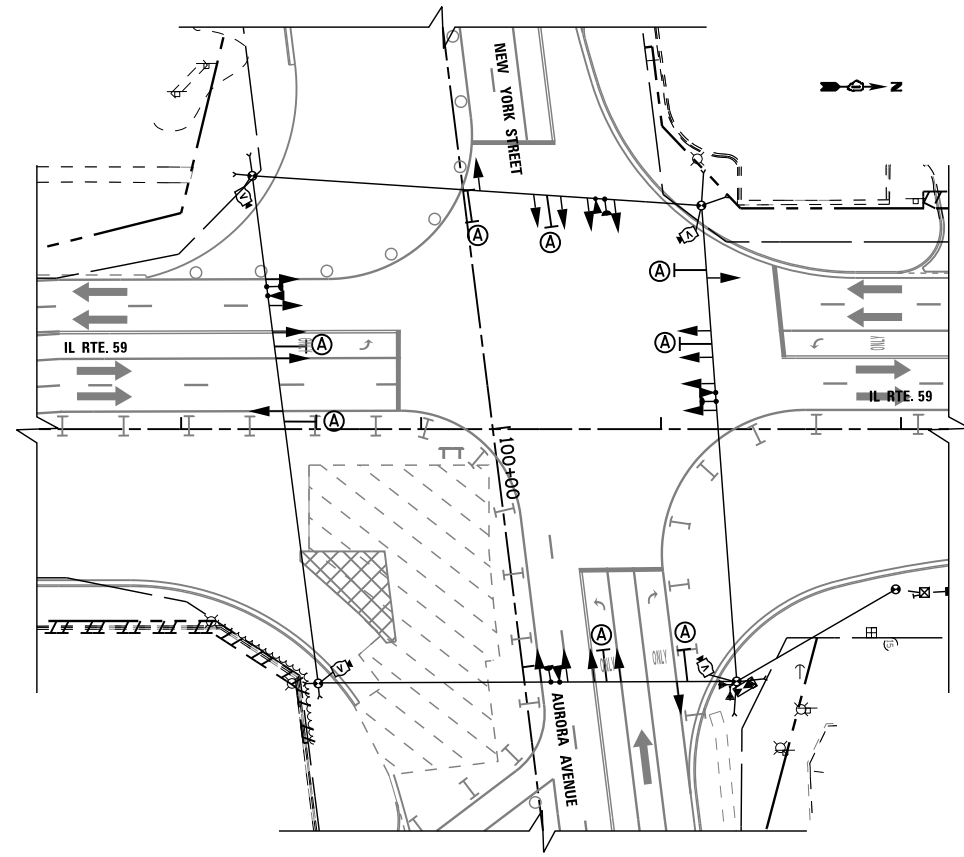
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-12			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				



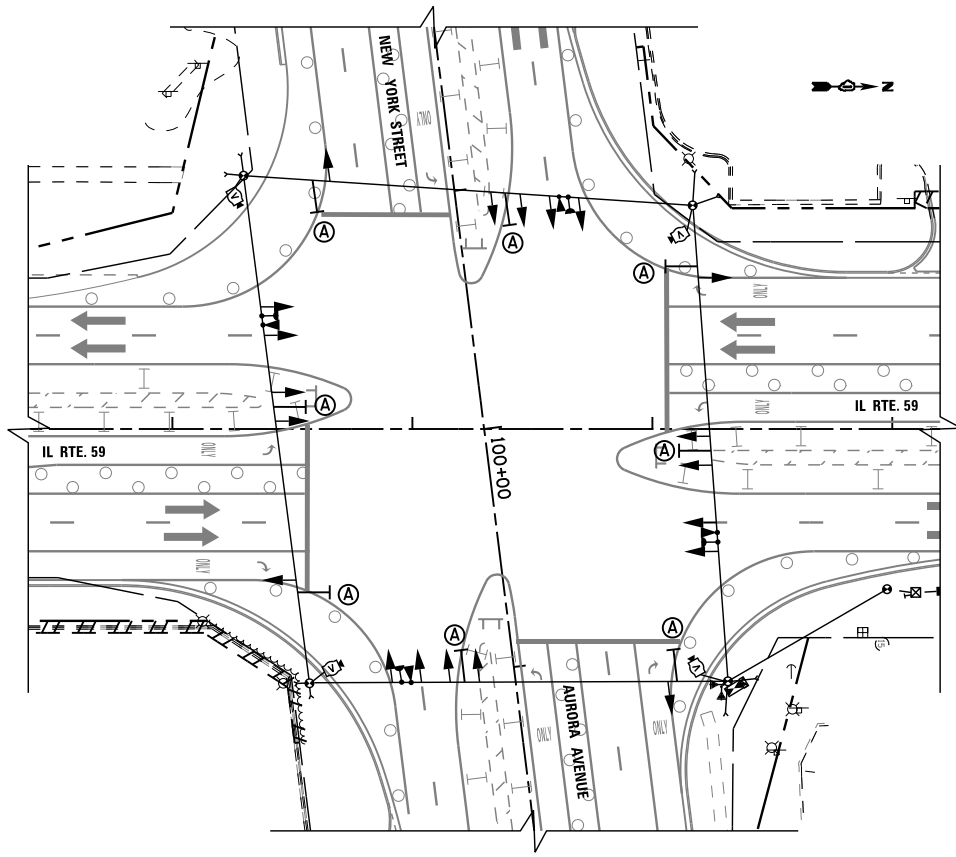
TEMPORARY TRAFFIC SIGNAL STAGE 3



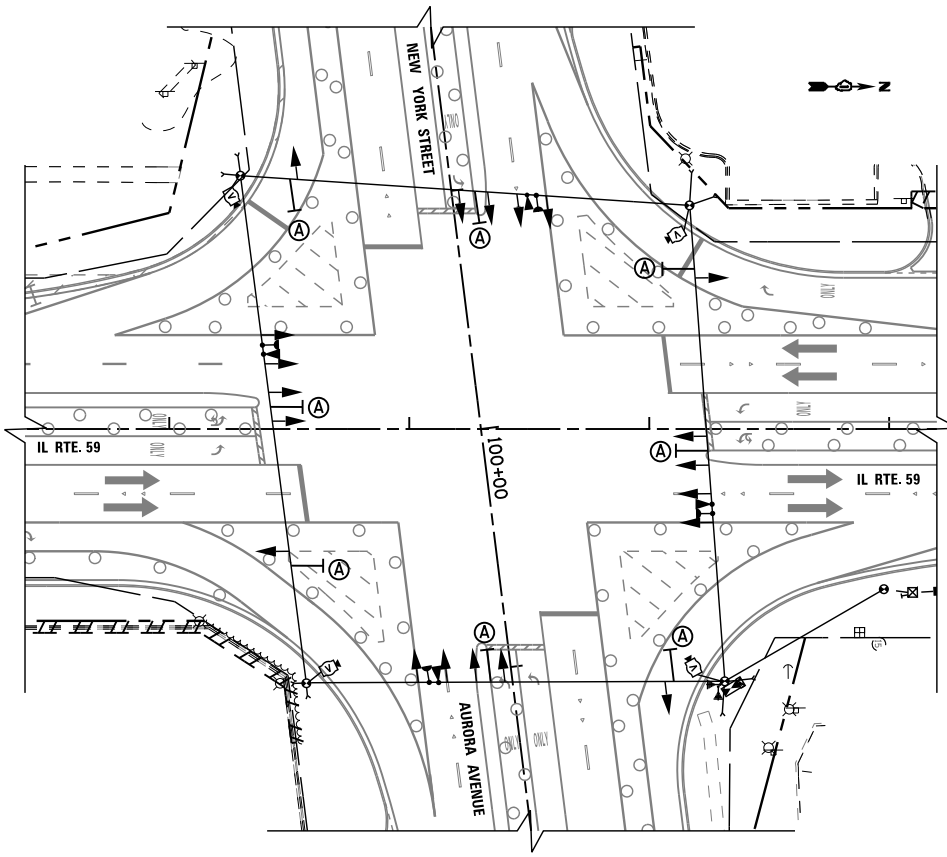
TEMPORARY TRAFFIC SIGNAL STAGE 3A



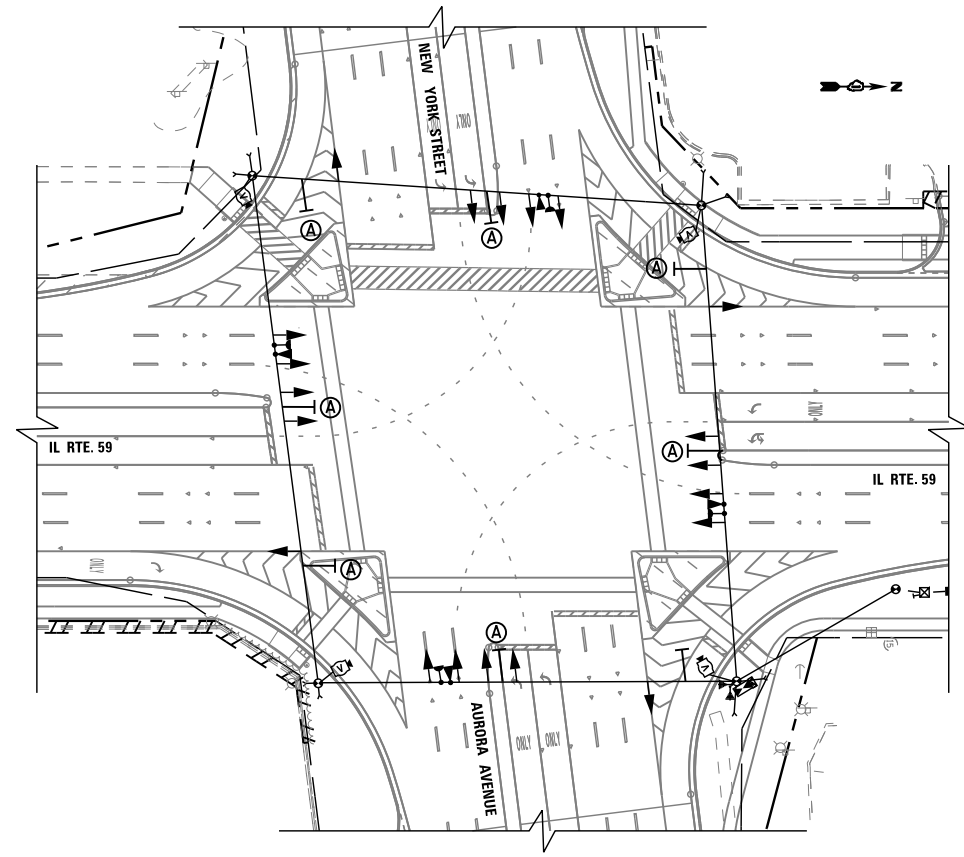
TEMPORARY TRAFFIC SIGNAL STAGE 3B



TEMPORARY TRAFFIC SIGNAL STAGE 4



TEMPORARY TRAFFIC SIGNAL STAGE 4A



TEMPORARY TRAFFIC SIGNAL FINAL CONDITION

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	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
 MOT STAGING PLAN (2 OF 2)
 IL RTE 59 AT NEW YORK ST/AURORA AVE**

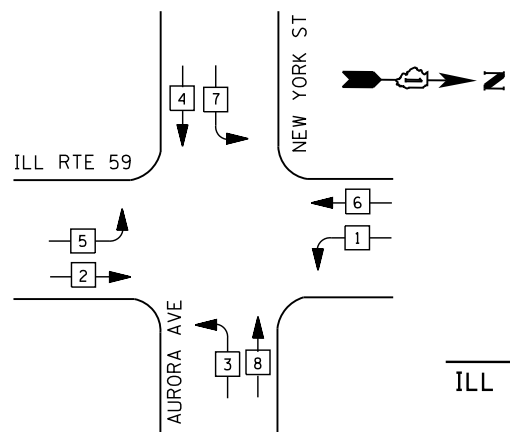
SCALE: NTS SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	605
TS-13		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				

NOTES FOR TEMPORARY TRAFFIC SIGNALS

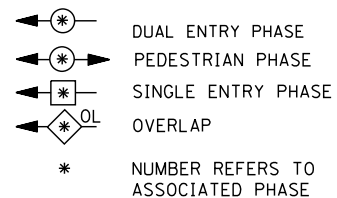
- 1) ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 2) ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL 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 RAILROAD INTERSECTIONS. 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, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM 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.

TEMPORARY CONTROLLER SEQUENCE

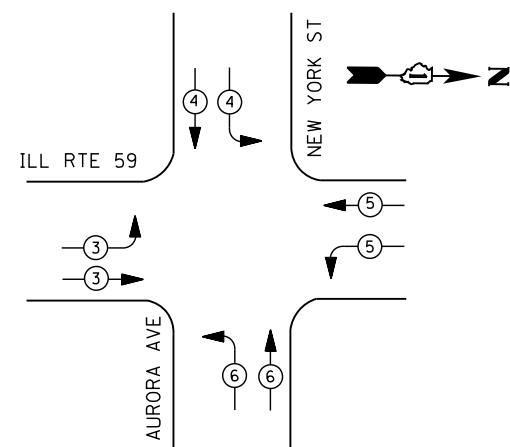


NOTES:
 LEAD/LAG OPERATION FOR PHASES 3 AND 7 DURING MOT STAGES 1A, 2, 2A & 2B.
 LEAD/LAG OPERATION FOR PHASES 1 AND 5 DURING MOT STAGES 2.

LEGEND



TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	→	↓	←	↑

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	20	135	17	0.50	170
(YELLOW)	20	135	25	0.25	125
(GREEN)	20	135	15	0.25	75
CONTROLLER	1	100	100	1.00	100
VIDEO SYSTEM	1	150	-	1.00	150
TOTAL =					620

ENERGY COSTS- BILLED TO: IDOT DISTRICT 1
 201 W. CENTER CT.
 SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
 PHONE NAPERVILLE ELECTRIC DEPT.
 630-420-6653

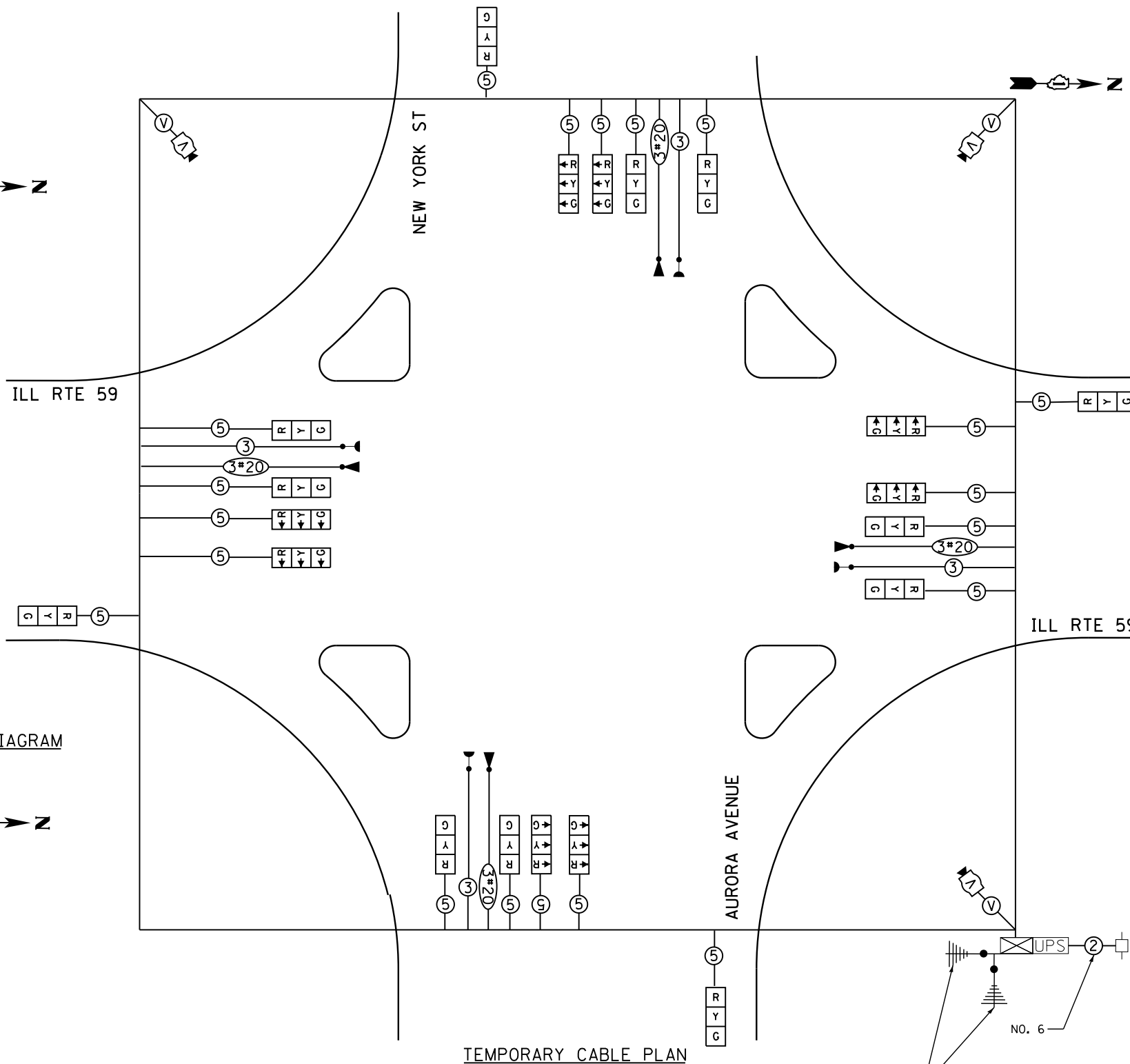
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	PLOT DATE = 12/6/2012	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ILL RTE. 59 AND NEW YORK ST/AURORA AVE. - TEMPORARY CABLE PLAN,
 TEMPORARY PHASE DESIGN. DIAGRAM & EVP SEQUENCE

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	606
TS-14			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				



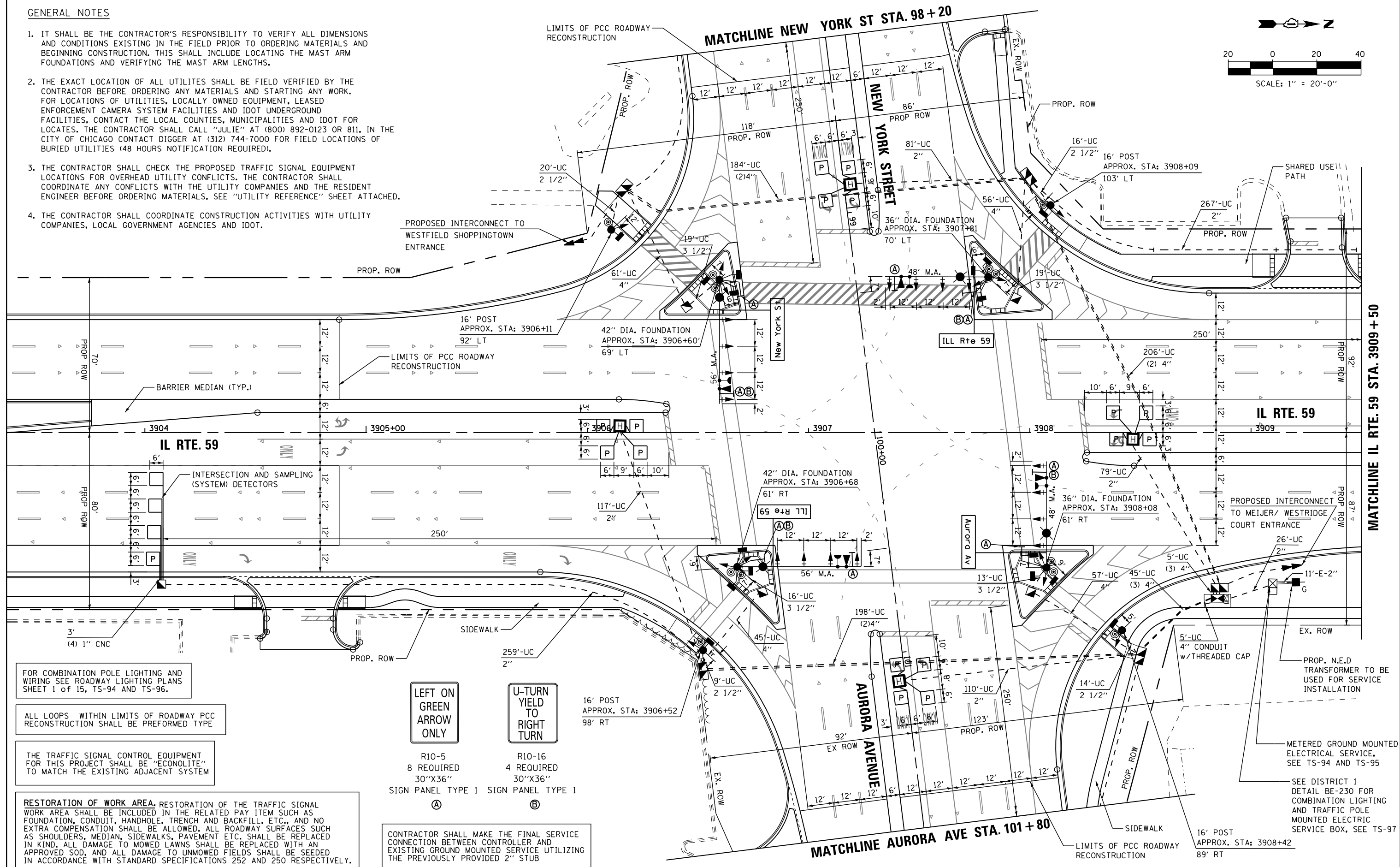
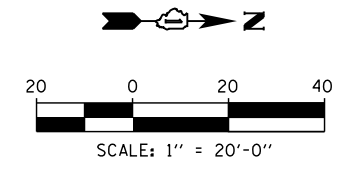
THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.

PROPOSED TEMPORARY WIRELESS INTERCONNECT TO IL 59/WESTFIELD SHOPPINGTOWN ENTRANCE AND AURORA AVE./NAPER PLAZA/WESTRIDGE COURT

GENERAL NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS, SEE "UTILITY REFERENCE" SHEET ATTACHED.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.



FOR COMBINATION POLE LIGHTING AND WIRING SEE ROADWAY LIGHTING PLANS SHEET 1 OF 15, TS-94 AND TS-96.

ALL LOOPS WITHIN LIMITS OF ROADWAY PCC RECONSTRUCTION SHALL BE PREFORMED TYPE

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

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.

**LEFT ON GREEN
ARROW
ONLY**

R10-5
8 REQUIRED
30"x36"
SIGN PANEL TYPE 1

**U-TURN
YIELD
TO
RIGHT
TURN**

R10-16
4 REQUIRED
30"x36"
SIGN PANEL TYPE 1

CONTRACTOR SHALL MAKE THE FINAL SERVICE CONNECTION BETWEEN CONTROLLER AND EXISTING GROUND MOUNTED SERVICE UTILIZING THE PREVIOUSLY PROVIDED 2" STUB

FILE NAME =	USER NAME = USER*	DESIGNED - DW	REVISED -
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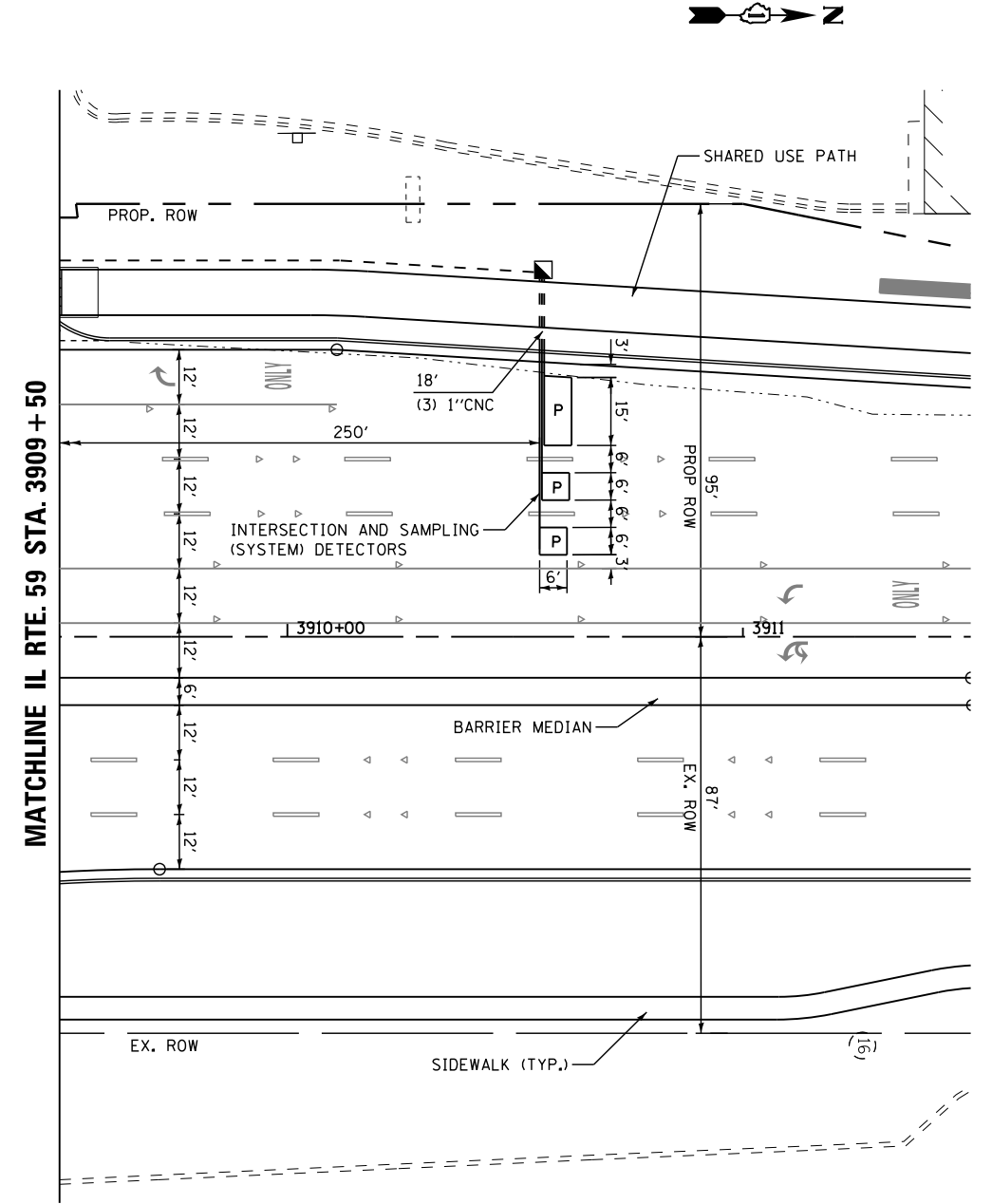
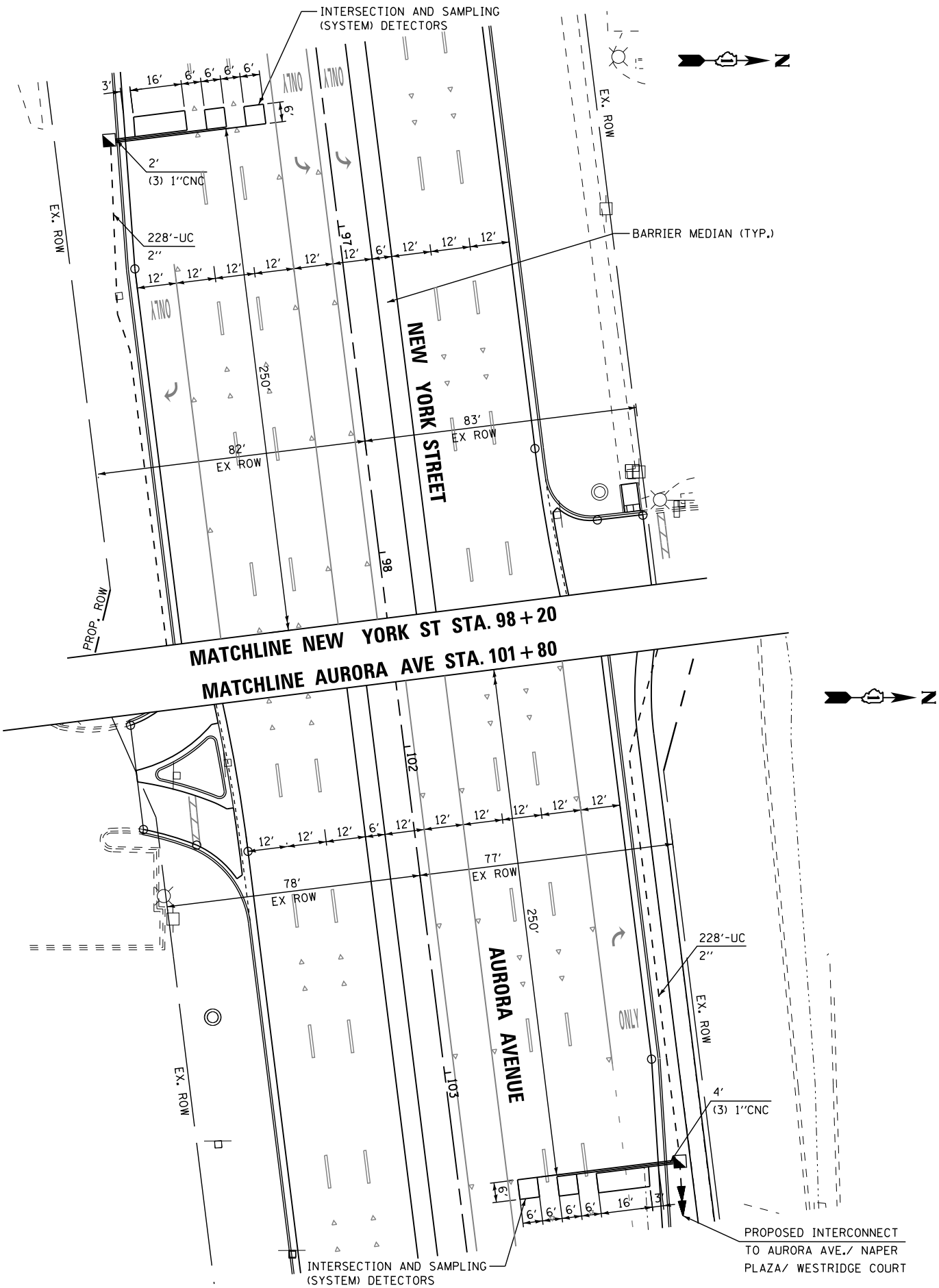
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL MODERNIZATION PLAN	
IL RTE 59 AT NEW YORK ST / AURORA AVE	
SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	607
TS-15		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				

MATCHLINE IL RTE. 59 STA. 3909 + 50

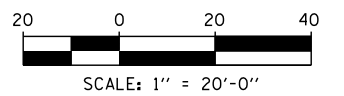
MATCHLINE AURORA AVE STA. 101 + 80



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

ALL LOOPS WITHIN LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PREFORMED TYPE

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOG, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDD IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

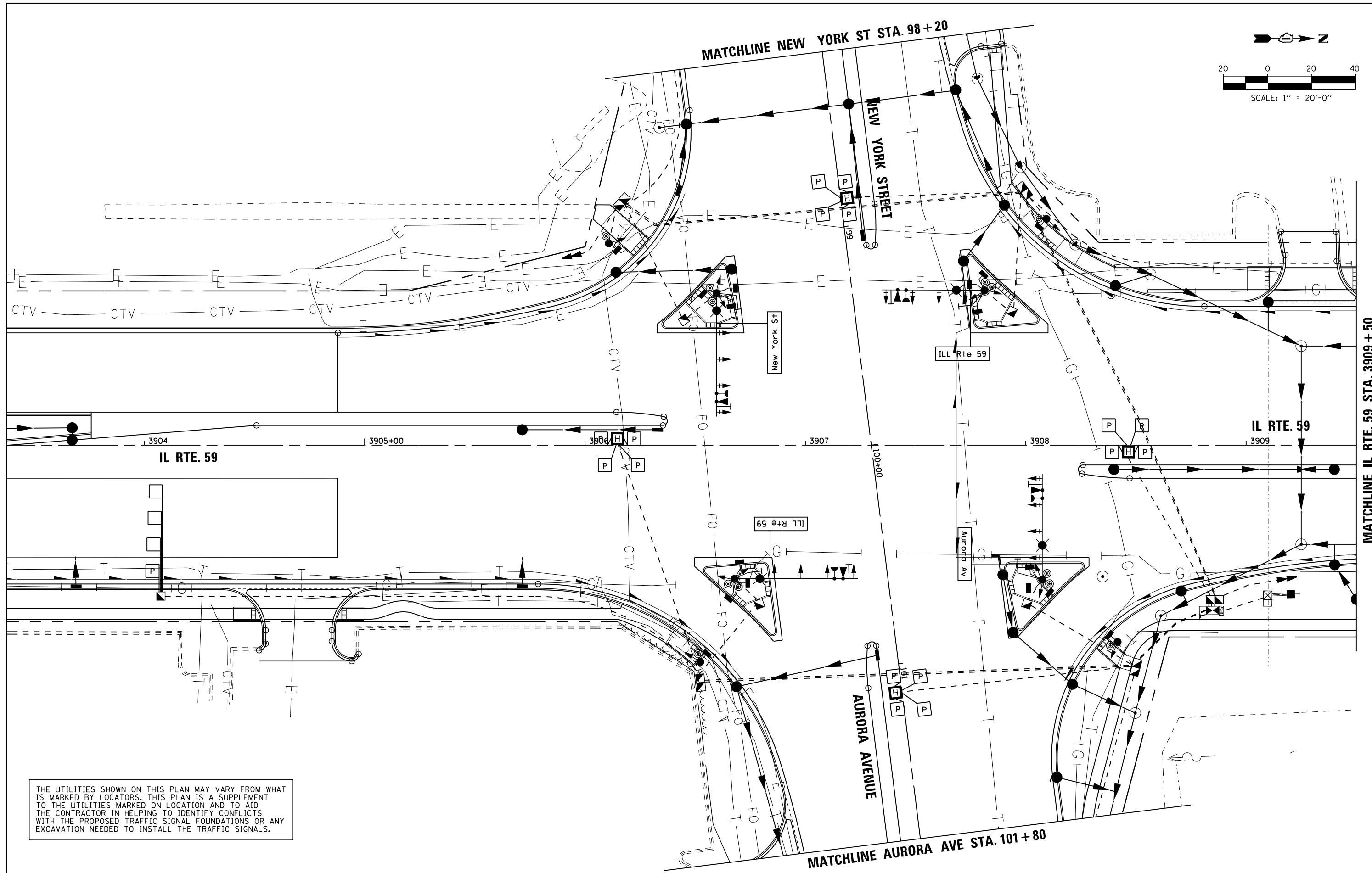
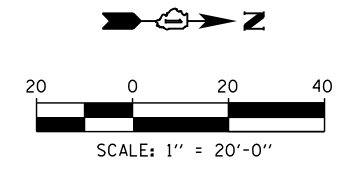


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	PLOT SCALE = *SCALE*	CHECKED - KMM	REVISED -
	PLOT DATE = 12/6/2012	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
 IL RTE 59 AT NEW YORK ST / AURORA AVE
 SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	608
TS-16		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				



THE UTILITIES SHOWN ON THIS PLAN MAY VARY FROM WHAT IS MARKED BY LOCATORS. THIS PLAN IS A SUPPLEMENT TO THE UTILITIES MARKED ON LOCATION AND TO AID THE CONTRACTOR IN HELPING TO IDENTIFY CONFLICTS WITH THE PROPOSED TRAFFIC SIGNAL FOUNDATIONS OR ANY EXCAVATION NEEDED TO INSTALL THE TRAFFIC SIGNALS.

FILE NAME =	USER NAME = *USER*	DESIGNED - DW	REVISED -
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PLOT SCALE = *SCALE*		CHECKED - KMM	REVISED -
PLOT DATE = 12/6/2012		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**UTILITY REFERENCE PLAN
 IL RTE 59 AT NEW YORK ST / AURORA AVE**
 SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	609
TS-17		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
90	SO FT	SIGN PANEL - TYPE 1
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
1406	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
59	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
67	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.
1550	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
8	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
5	EACH	DOUBLE HANDHOLE
1	EACH	TRANSCEIVER - FIBER OPTIC
3865	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
6977	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
6140	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
4033	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
8637	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
58	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
1392	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.
2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT.
20	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
26	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
42	FOOT	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER
12	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
16	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
21	EACH	INDUCTIVE LOOP DETECTOR
467	FOOT	DETECTOR LOOP, TYPE I
684	FOOT	PERFORMED DETECTOR LOOP
* 4	EACH	LIGHT DETECTOR
* 1	EACH	LIGHT DETECTOR AMPLIFIER
* 12	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
14	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
* 1628	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
1	EACH	FULL-ACTUATED CONTROLLER AND SUPER P CABINET, TYPE IV, SPECIAL
** 4	EACH	ILLUMINATED STREET NAME SIGN

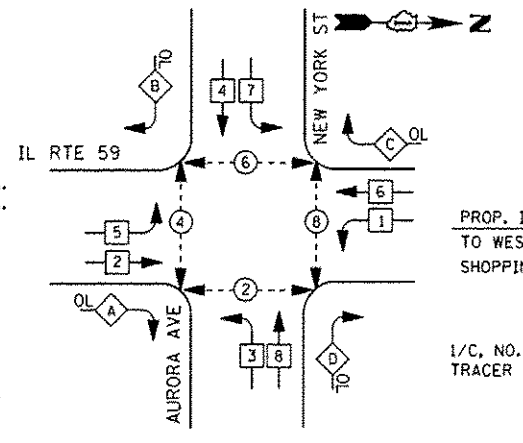
* 100% COST TO THE CITY OF NAPERVILLE
** 50% COST TO THE CITY OF NAPERVILLE
50% COST TO THE CITY OF AURORA

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE		TOTAL WATTAGE
		INCAND.	LED	
SIGNAL (RED)	28	135	17	238
(YELLOW)	28	135	25	175
(GREEN)	28	135	15	105
ARROW	24	135	12	29
PED. SIGNAL	16	90	25	400
CONTROLLER	1	100	100	100
ILLUM. SIGN	4	--	90	180
TOTAL =				1227

ENERGY COSTS - BILLED TO: IDOT - DISTRICT 1
201 W. CENTER CT.
SCHAUMBURG, IL 60196-1096

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

CONTROLLER SEQUENCE

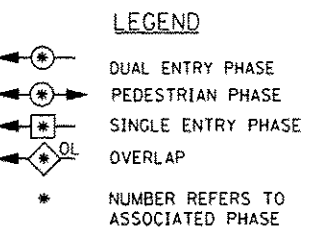


PHASE DESIGNATION DIAGRAM

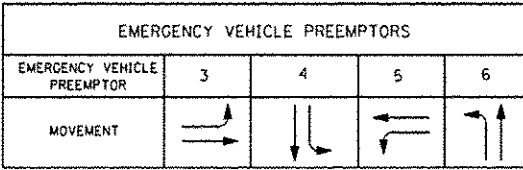
RIGHT TURN OVERLAP PHASE DESIGNATION

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

INTERSECTION & SAMPLING (SYSTEM) DETECTORS



EMERGENCY VEHICLE PREEMPTION SEQUENCE

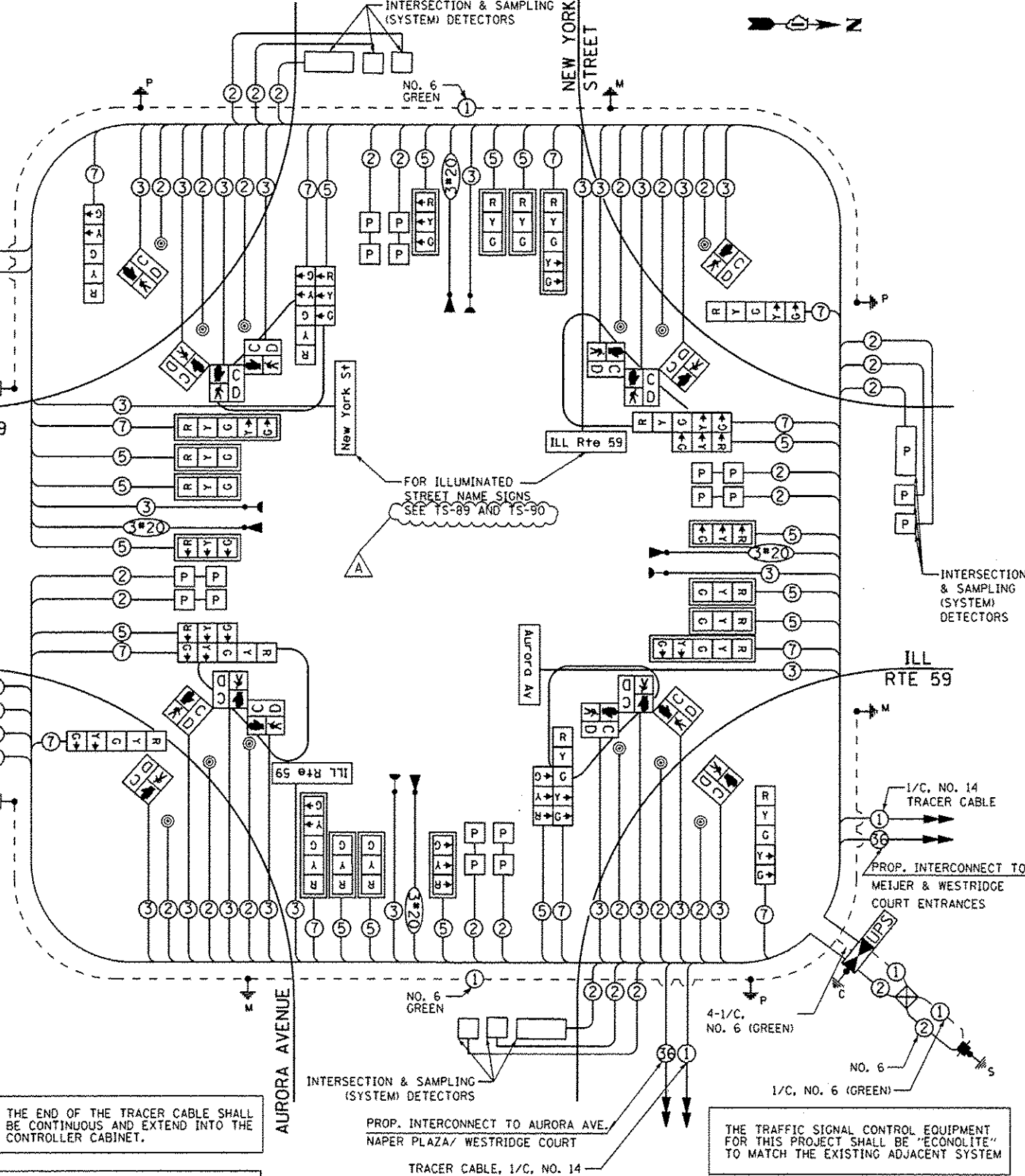


THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

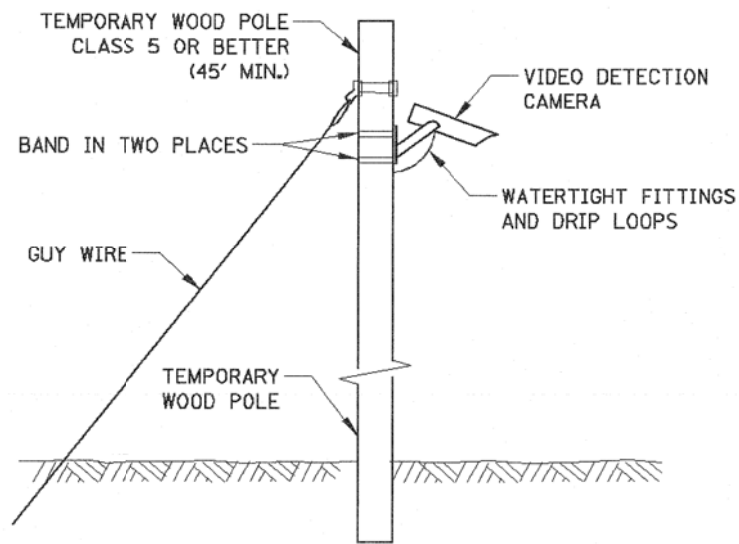
FOR COMBINATION POLE LIGHTING AND WIRING SEE ROADWAY LIGHTING PLANS SHEET 1 OF 15, TS-94 AND TS-96.

ALL LOOPS WITHIN LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PERFORMED TYPE

CABLE PLAN



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOG, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



TEMPORARY VIDEO DETECTION MOUNTING DETAIL
(NOT TO SCALE)

- ALL EXISTING SIGNAL HEADS SHALL BE BAGGED WHILE THE TEMPORARY TRAFFIC SIGNAL IS IN OPERATION
- THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.
- THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

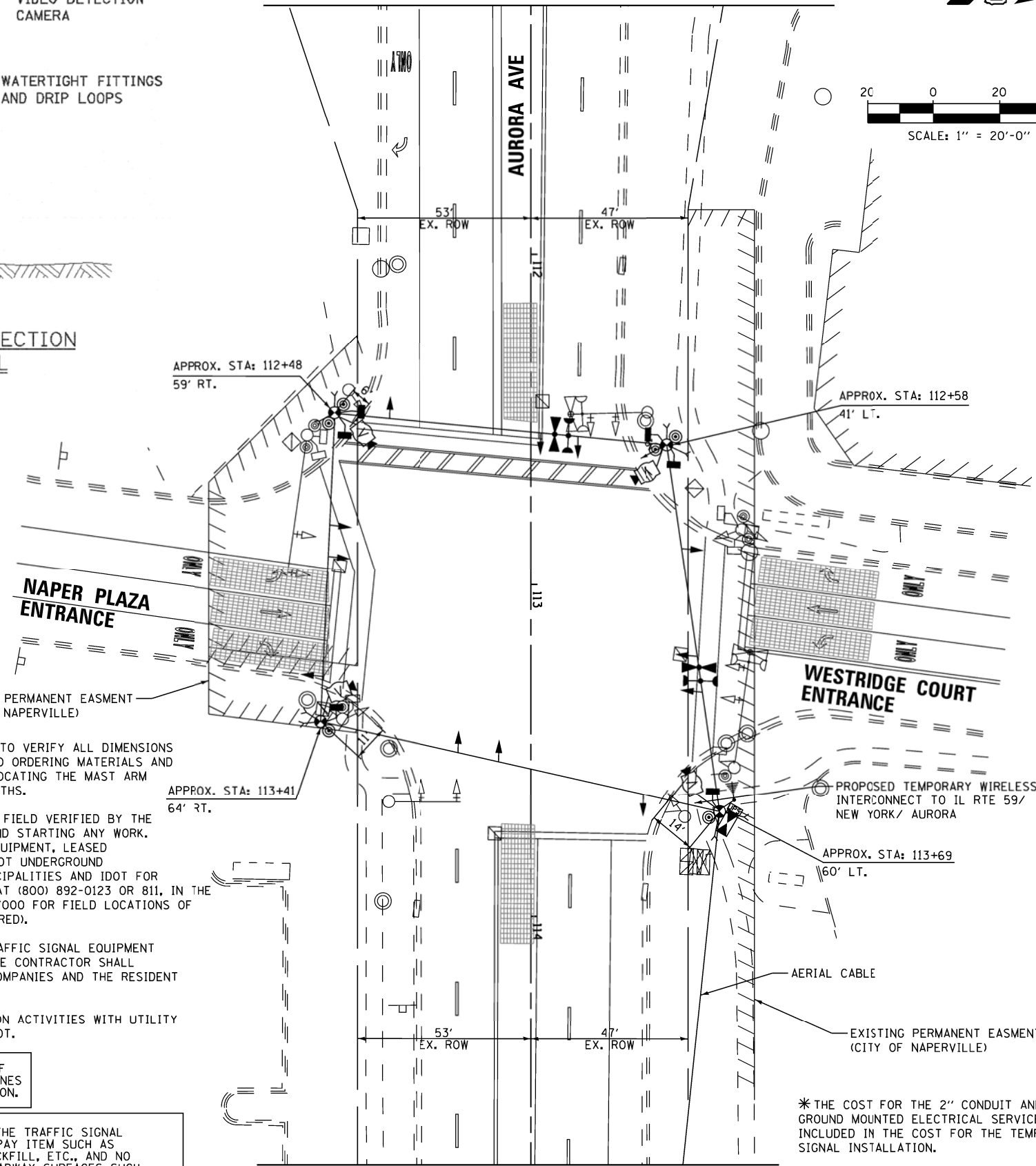
GENERAL NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

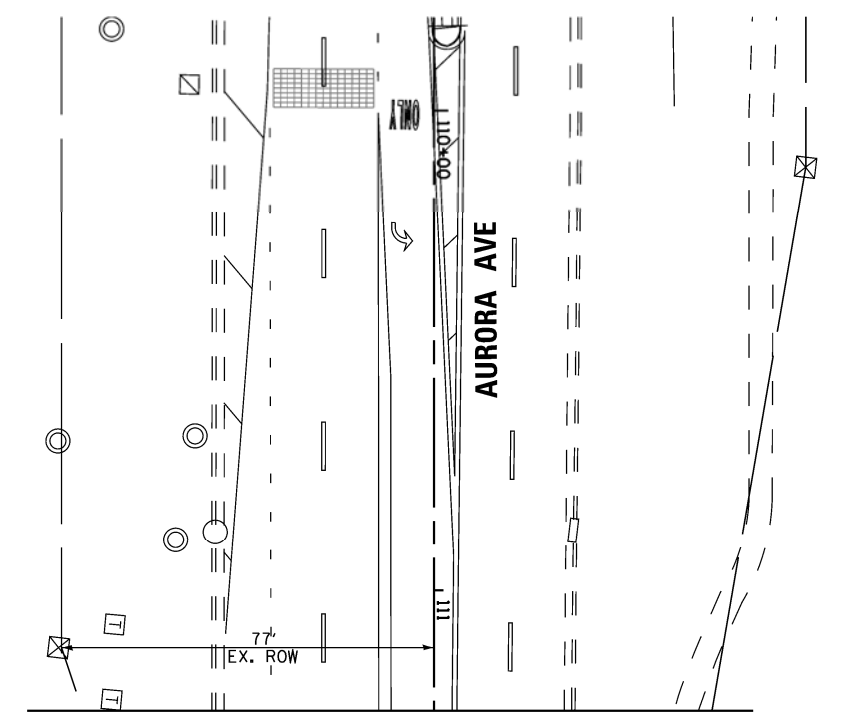
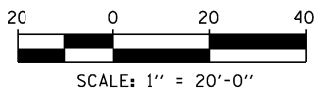
THIS INTERSECTION IS MAINTAINED BY THE CITY OF NAPERVILLE. CONTRACTOR SHALL CONTACT ANDY HYNES AT 630-548-2958 PRIOR TO START OF CONSTRUCTION.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.

MATCHLINE AURORA AVE. STA. 111 + 25

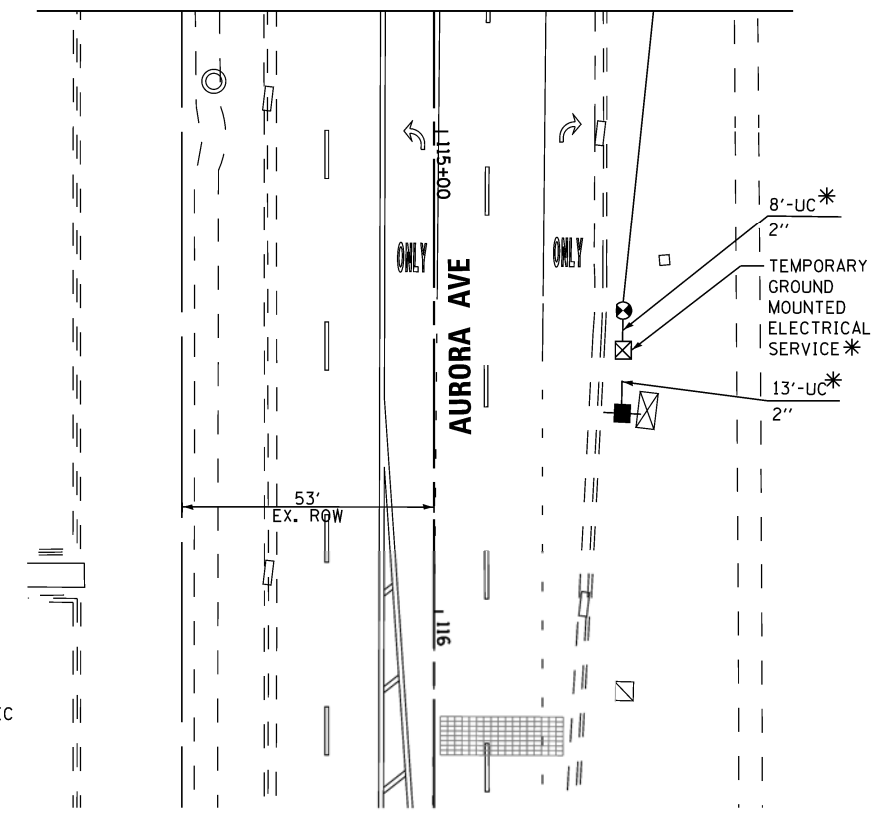


MATCHLINE AURORA AVE. STA. 114 + 75



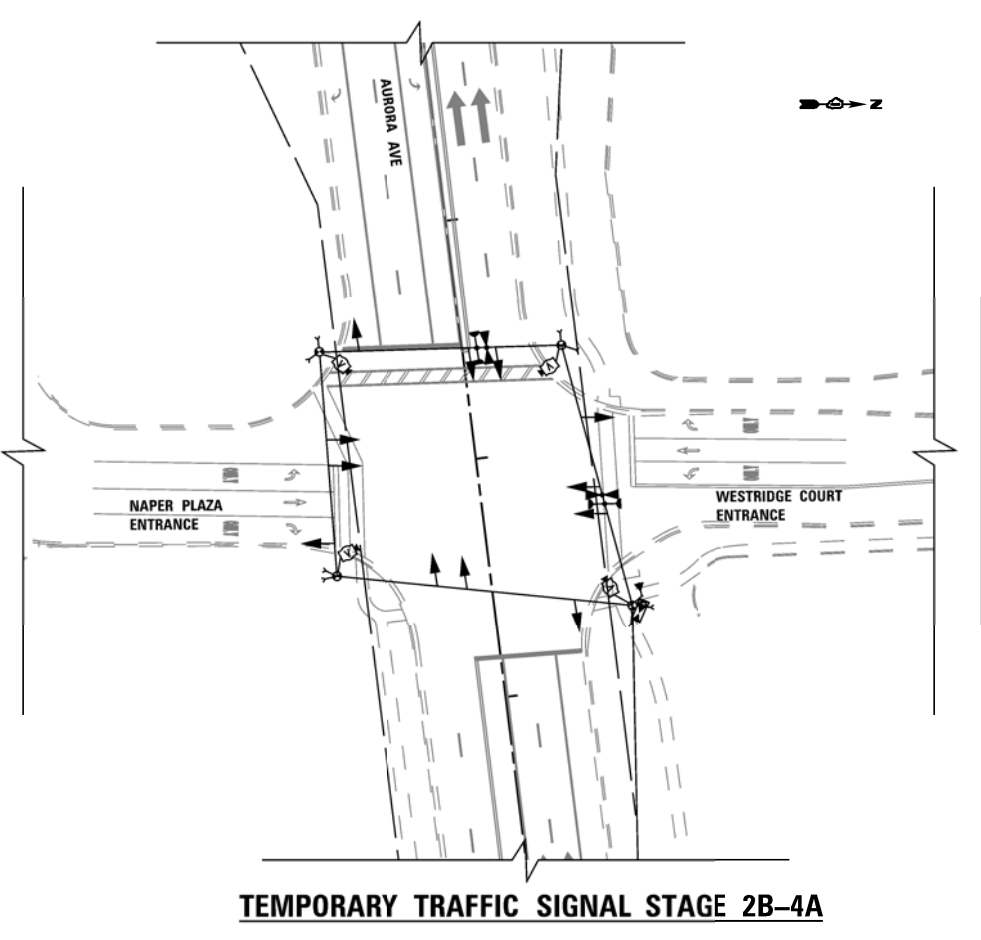
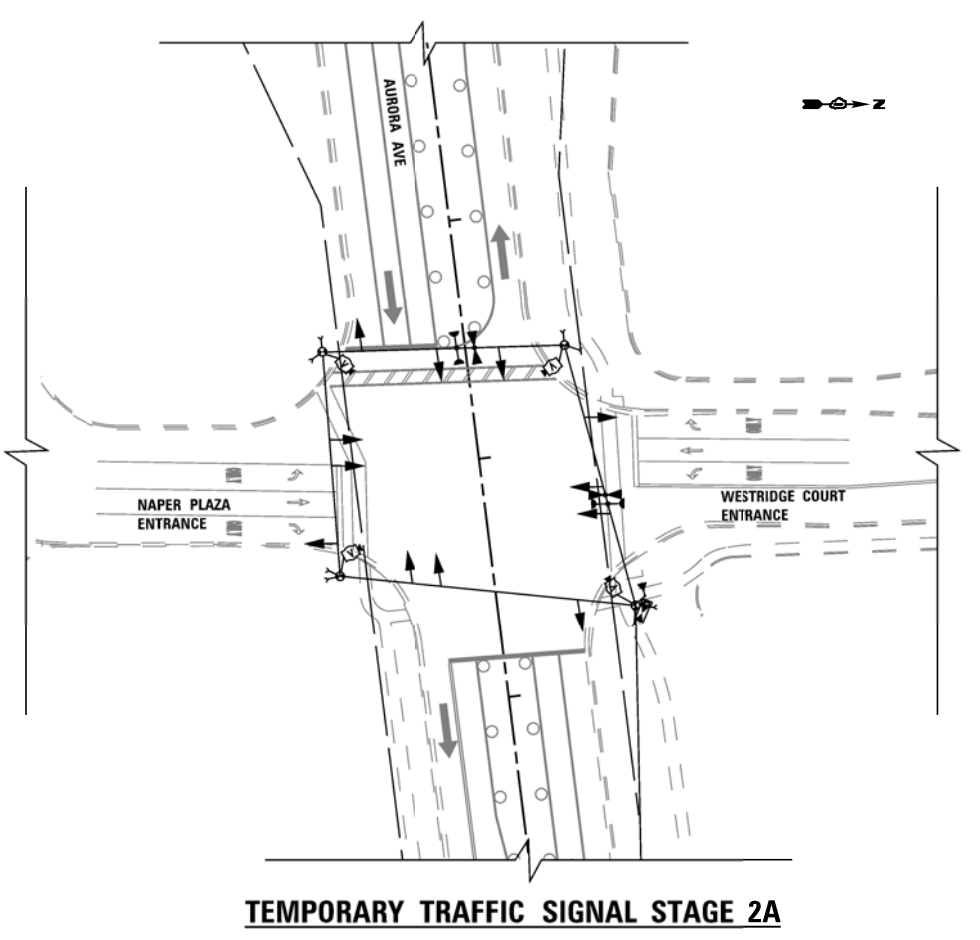
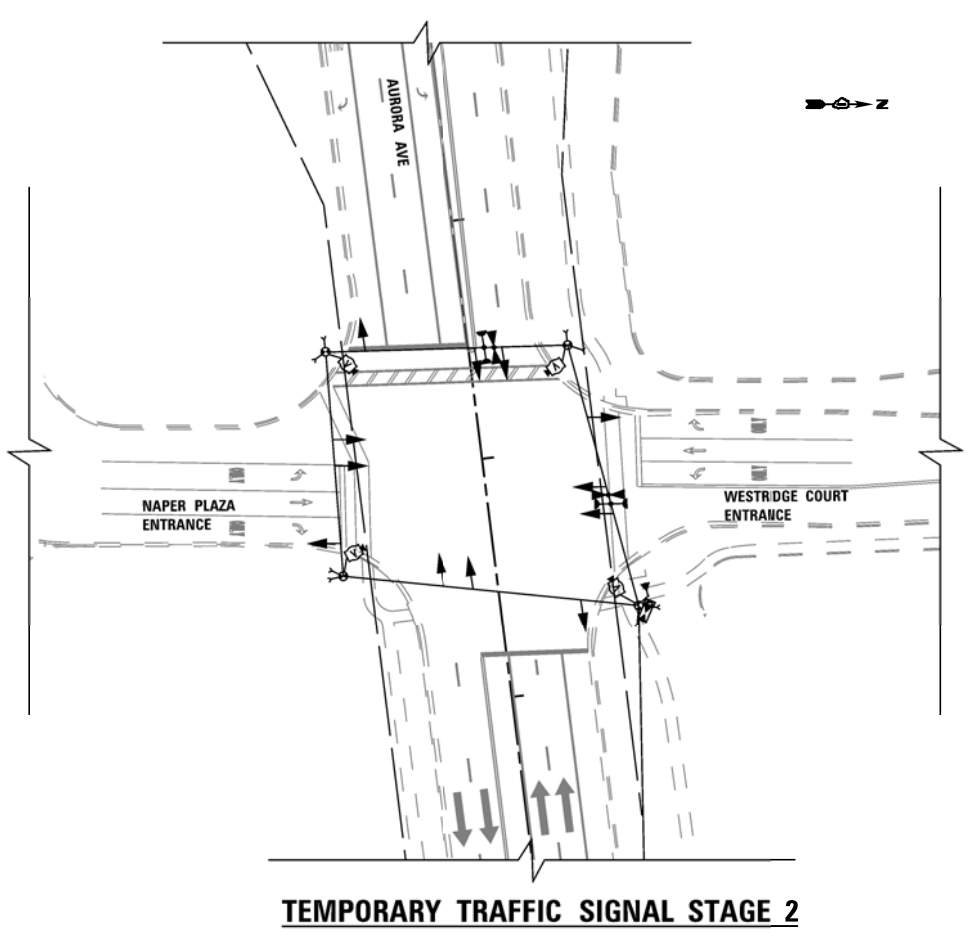
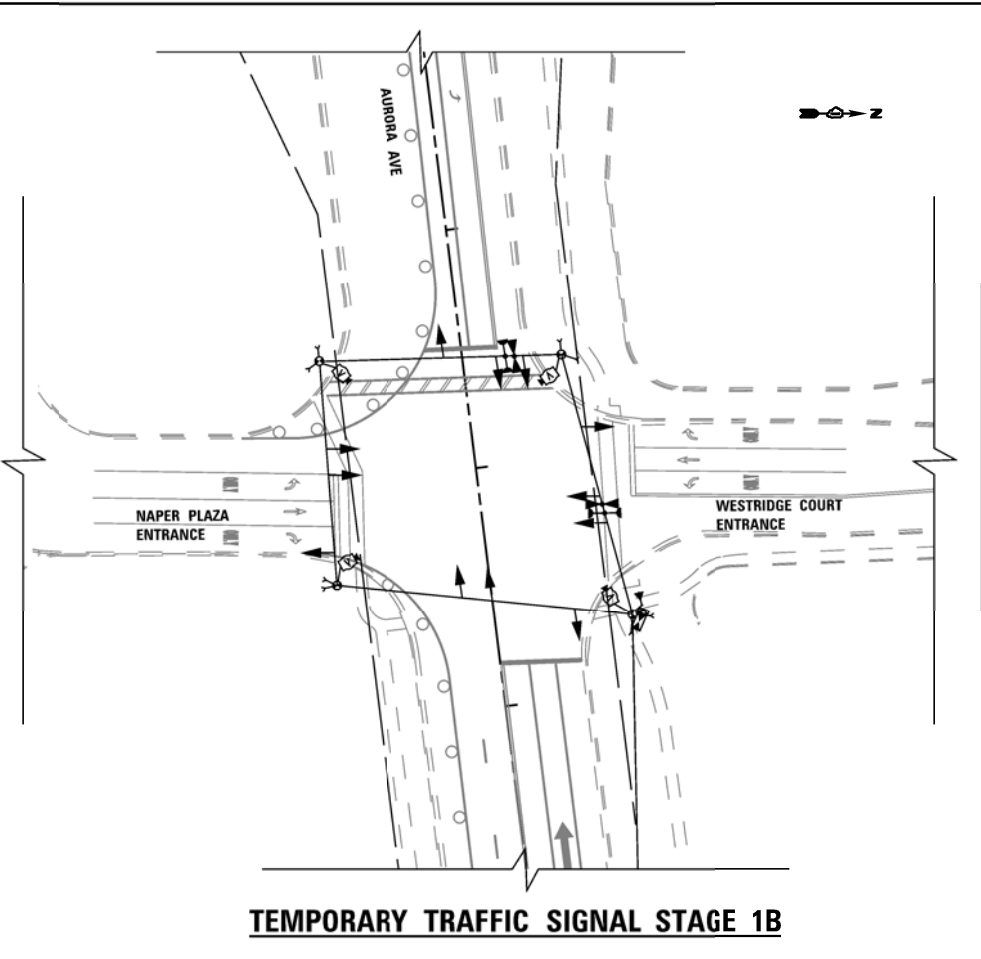
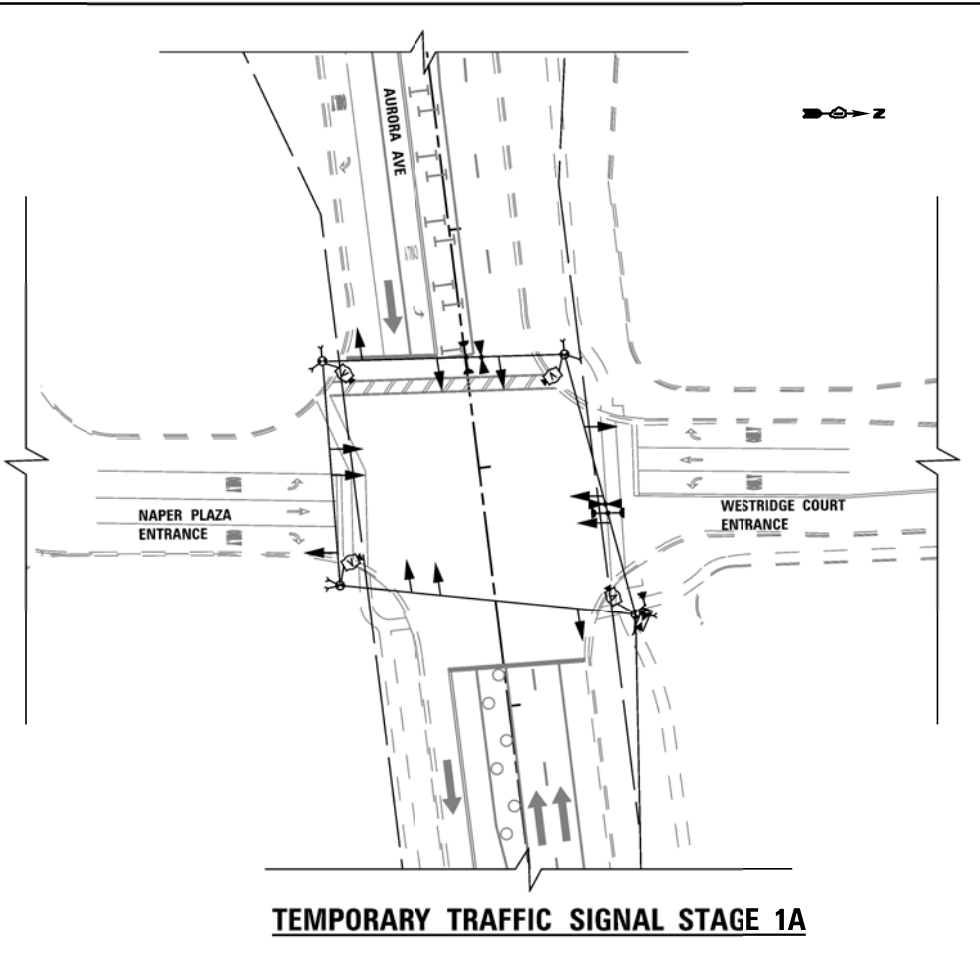
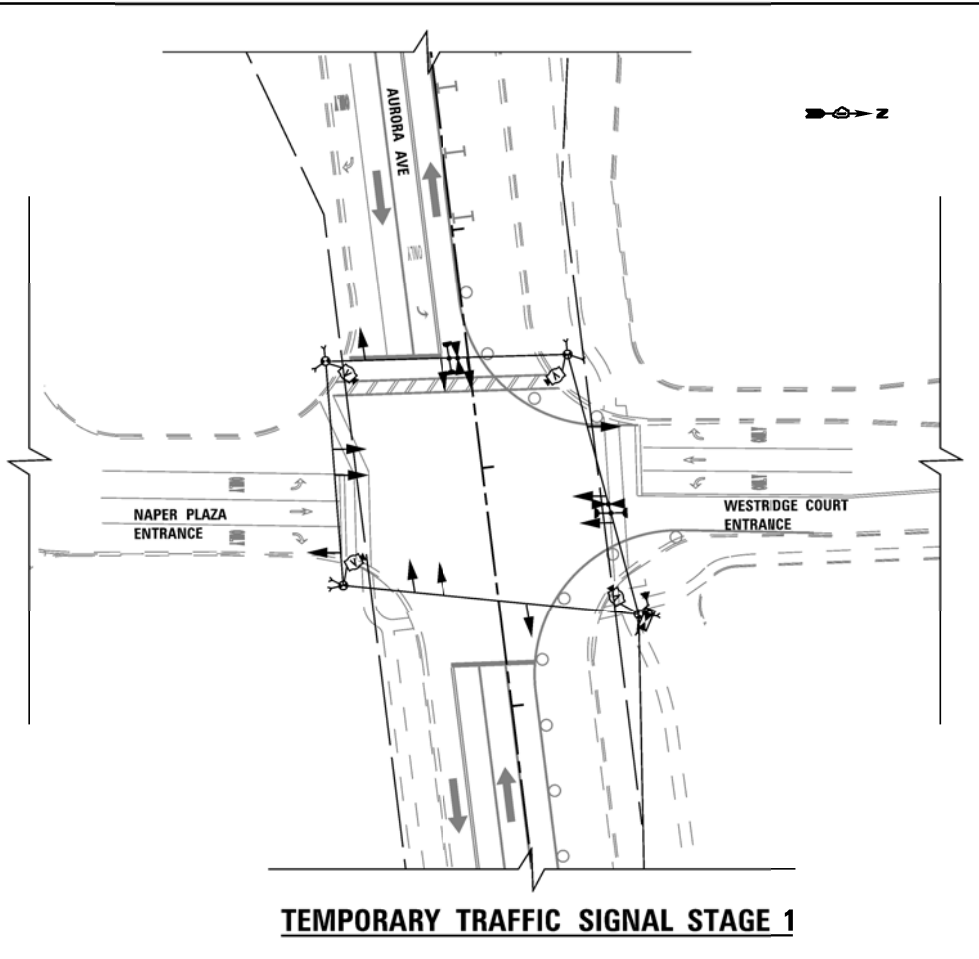
MATCHLINE AURORA AVE. STA. 111 + 25

MATCHLINE AURORA AVE. STA. 114 + 75



* THE COST FOR THE 2" CONDUIT AND TEMPORARY GROUND MOUNTED ELECTRICAL SERVICE SHALL BE INCLUDED IN THE COST FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

FILE NAME = K:\Projects\090059\Design\Sheet Files\1679rwa59tempACL.dgn	USER NAME = #USER#	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION AURORA AVE AT NAPER PLAZA/WESTRIDGE COURT ENTRANCE	F.A. RTE. 338	SECTION (112 & 113) WRS-7	COUNTY DUPAGE	TOTAL SHEETS 1156	SHEET NO. 611		
PLOT SCALE = #SCALE#	CHECKED - KMM	REVISED -	REVISED -			TS-19		CONTRACT NO. 60R30		ILLINOIS FED. AID PROJECT		
PLOT DATE = 12/6/2012	DATE -	REVISED -	REVISED -			SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.			



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	PLOT SCALE = #SCALE#	CHECKED - KMM	REVISED -
	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
 MOT STAGING PLAN
 AURORA AVE AT NAPER PLAZA/WESTRIDGE COURT ENTRANCE**

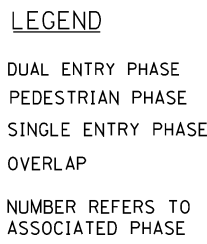
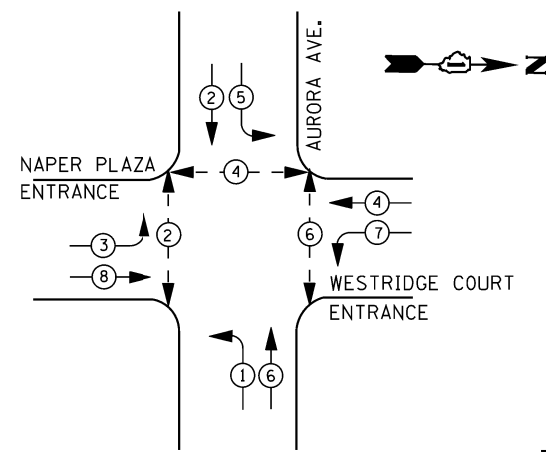
SCALE: NTS SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	612
TS-20		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				

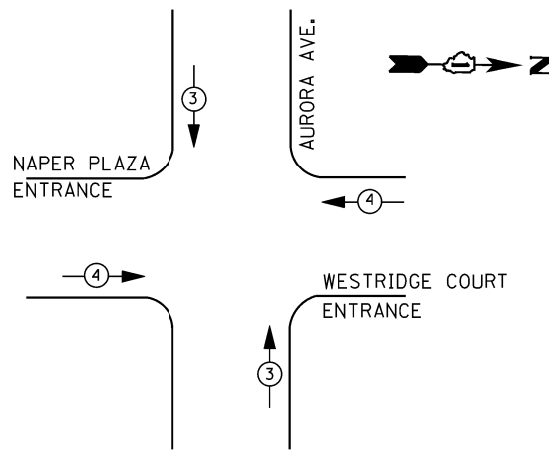
NOTES FOR TEMPORARY TRAFFIC SIGNALS

- 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 RAILROAD INTERSECTIONS. 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, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM 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.

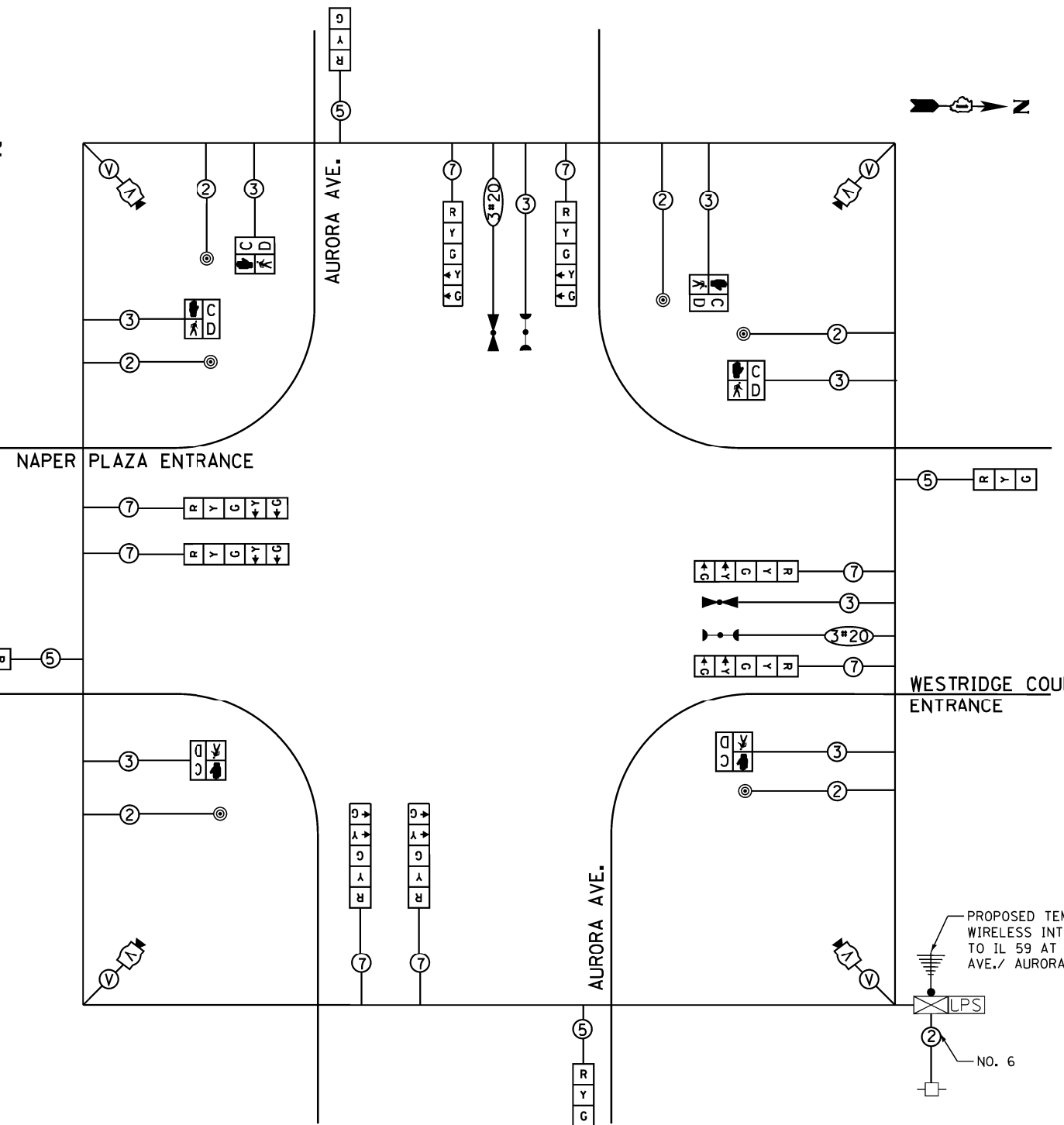
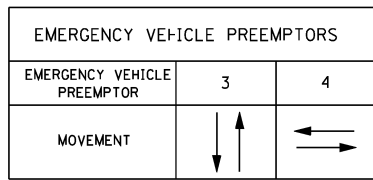
TEMPORARY CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY CABLE PLAN

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING

PROPOSED TEMPORARY WIRELESS INTERCONNECT TO IL 59 AT NEW YORK AVE./ AURORA AVE

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

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

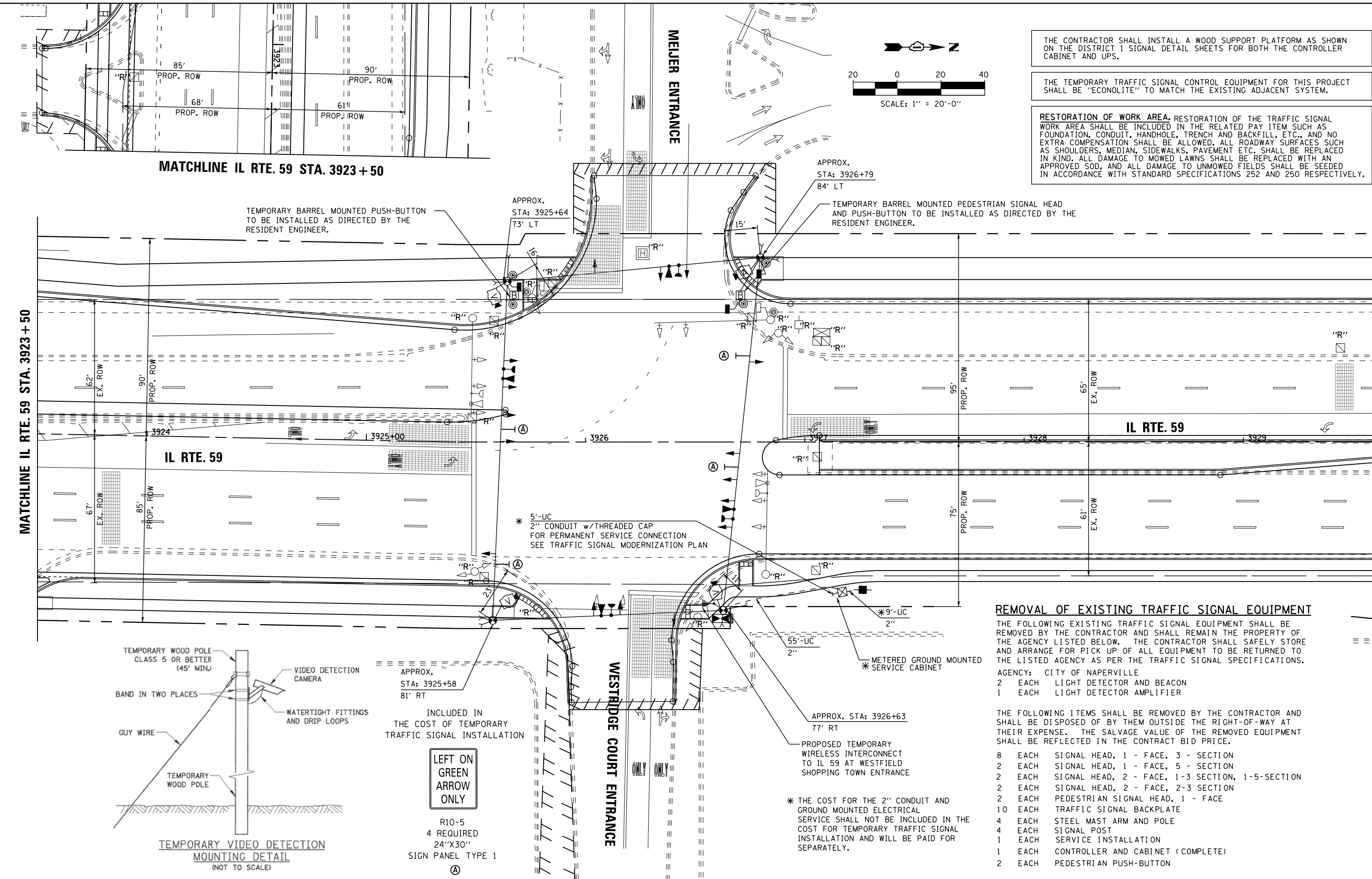
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	16	135	12	0.10	19
PED. SIGNAL	6	90	25	1.00	150
CONTROLLER	1	100	25	0.25	100
VIDEO SYSTEM	1	150	-	1.00	150
TOTAL =					641

ENERGY COSTS- BILLED TO: CITY OF NAPERVILLE
 400 S. EAGLE STREET
 NAPERVILLE, IL 60540

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
 PHONE NAPERVILLE ELECTRIC DEPT.
 630-420-6653

ALL PEDESTRIAN HEADS SHALL BE BAGGED AND DISCONNECTED AT LOCATIONS WHERE EXISTING PAVEMENT IS REMOVED. ALL PEDESTRIAN SIGNAL HEADS SHALL REMAIN BAGGED UNTILL THE PAVEMENT IS RESTORED TO PROVIDE A SAFE CROSSING AREA. USAGE OF PEDESTRIAN SIGNALS IS BASED ON CONSTRUCTION STAGING AND SHALL BE DETERMINED BY THE RESIDENT ENGINEER. IF SIDEWALKS AND PEDESTRIAN CROSSINGS ARE NOT PROVIDED, THE PEDESTRIAN SIGNAL EQUIPMENT SHALL REMAIN DISCONNECTED UNTIL WARRANTED PRIOR TO THE PERMANENT SIGNAL TURN-ON.

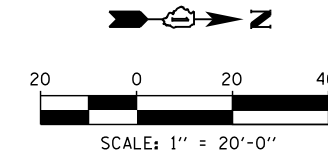
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL 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 CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

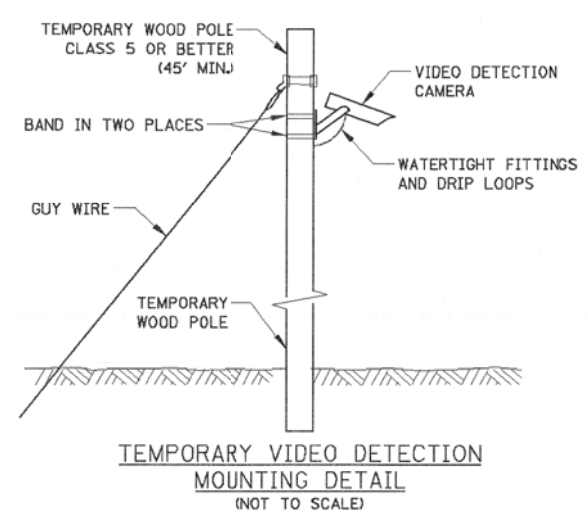
THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.



MATCHLINE IL RTE. 59 STA. 3923 + 50

MATCHLINE IL RTE. 59 STA. 3923 + 50



APPROX. STA: 3925+58
 81' RT

INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION

LEFT ON GREEN ARROW ONLY

R10-5
 4 REQUIRED
 24"X30"
 SIGN PANEL TYPE 1

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.

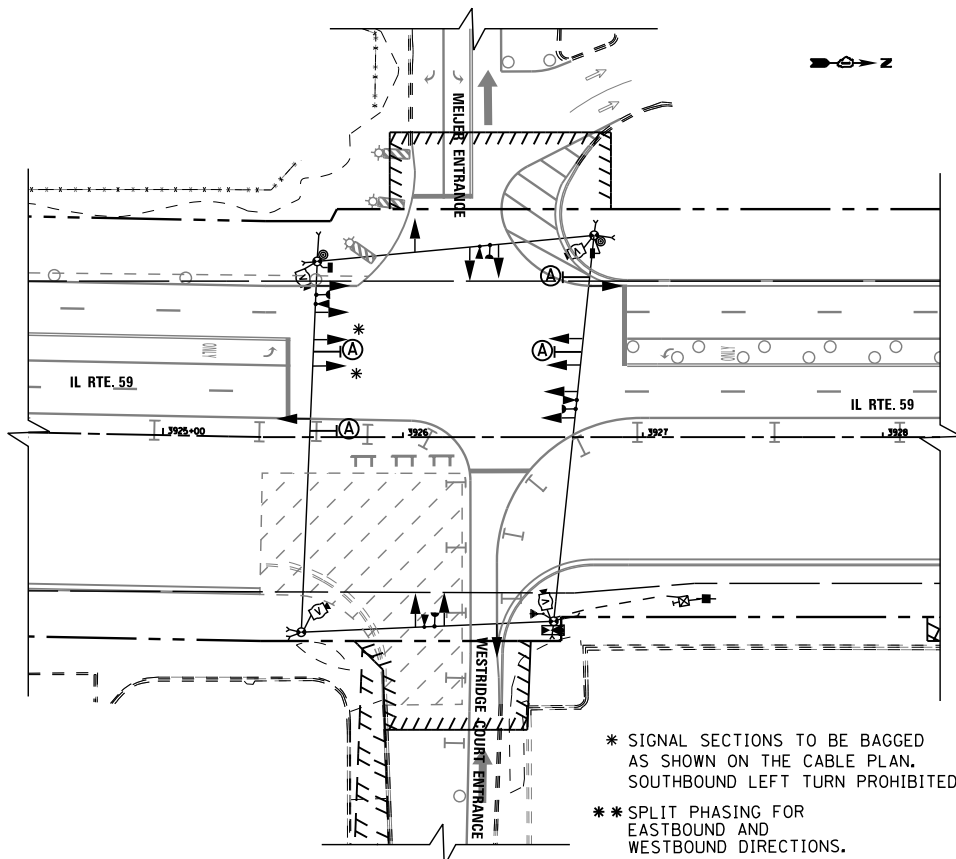
- AGENCY: CITY OF NAPERVILLE
 2 EACH LIGHT DETECTOR AND BEACON
 1 EACH LIGHT DETECTOR AMPLIFIER

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.

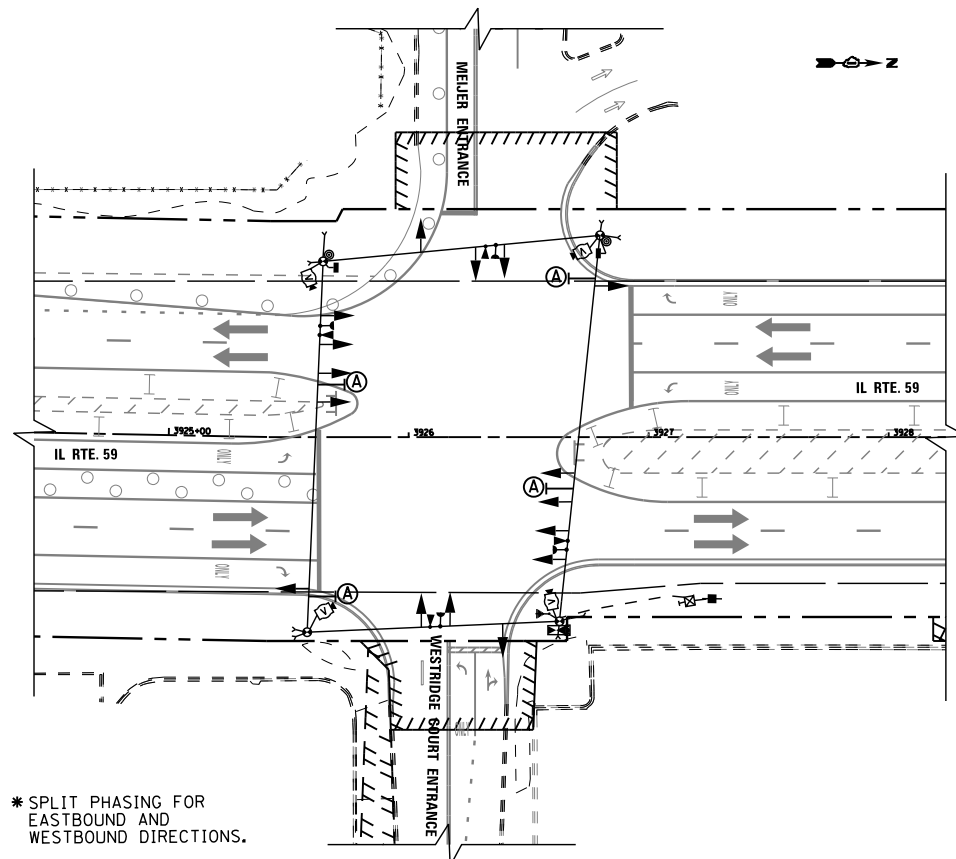
- 8 EACH SIGNAL HEAD, 1 - FACE, 3 - SECTION
- 2 EACH SIGNAL HEAD, 1 - FACE, 5 - SECTION
- 2 EACH SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5-SECTION
- 2 EACH SIGNAL HEAD, 2 - FACE, 2-3 SECTION
- 2 EACH PEDESTRIAN SIGNAL HEAD, 1 - FACE
- 10 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH STEEL MAST ARM AND POLE
-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

* THE COST FOR THE 2" CONDUIT AND GROUND MOUNTED ELECTRICAL SERVICE SHALL NOT BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION AND WILL BE PAID FOR SEPARATELY.

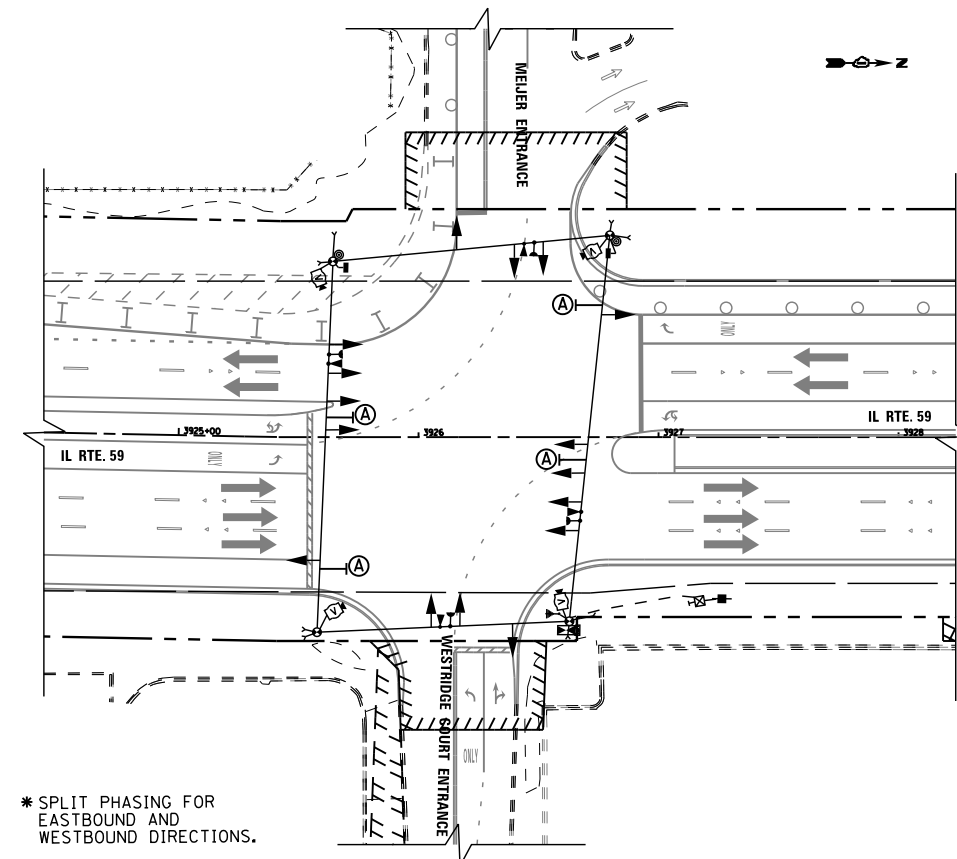
FILE NAME =	USER NAME = \$USER\$	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION & REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN IL RTE 59 AT MEIJER ENTRANCE /WESTRIDGE COURT ENTRANCE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
K:\Projects\090059\Design\Sheet Files\6799r-wa59tempMRI.dgn		DRAWN - JDH	REVISED -			338	(112 & 113) WRS-7	DUPAGE	1156	614
PLOT SCALE = \$SCALE\$		CHECKED - KMM	REVISED -			TS-22		CONTRACT NO. 60R30		
PLOT DATE = 12/6/2012		DATE -	REVISED -			SCALE: 1"=20'	SHEET NO. 1 OF 3 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	



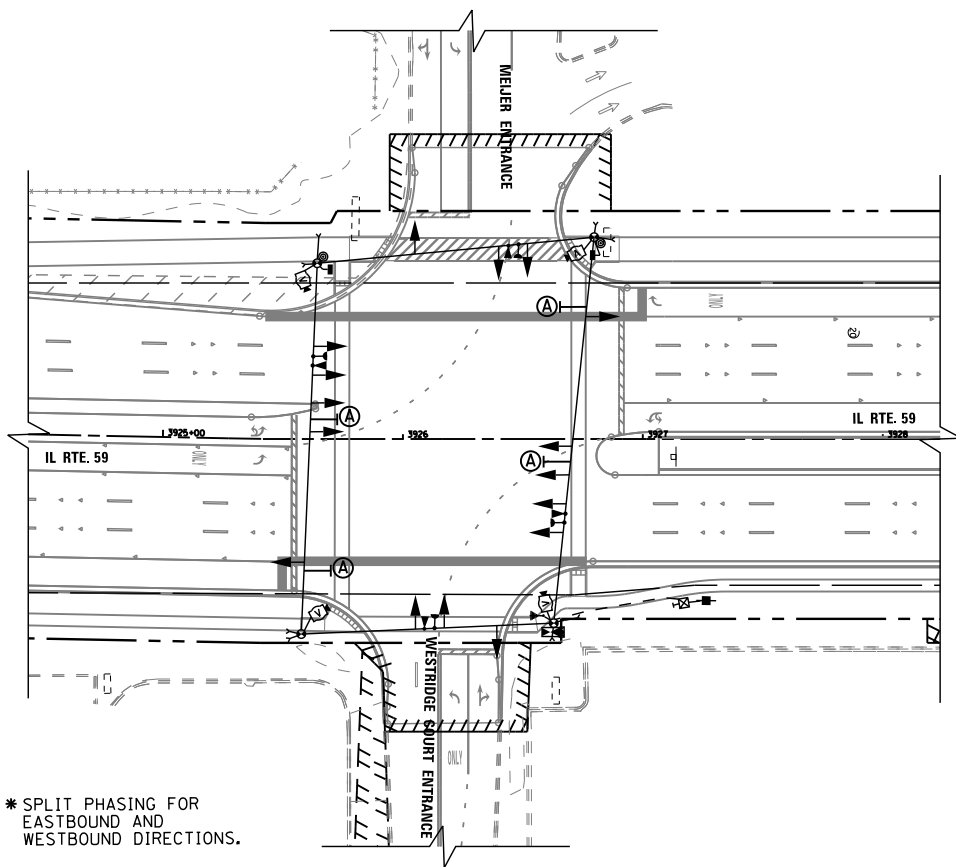
TEMPORARY TRAFFIC SIGNAL STAGE 3B



TEMPORARY TRAFFIC SIGNAL STAGE 4



TEMPORARY TRAFFIC SIGNAL STAGE 4A



TEMPORARY TRAFFIC SIGNAL FINAL CONDITION

FILE NAME =	USER NAME = \$USER\$	DESIGNED - DW	REVISED -
K:\Projects\090059\Design\Sheet Files\679rwa59tempMR3.dgn		DRAWN - JDH	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED - KMM	REVISED -
	PLOT DATE = 12/6/2012	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

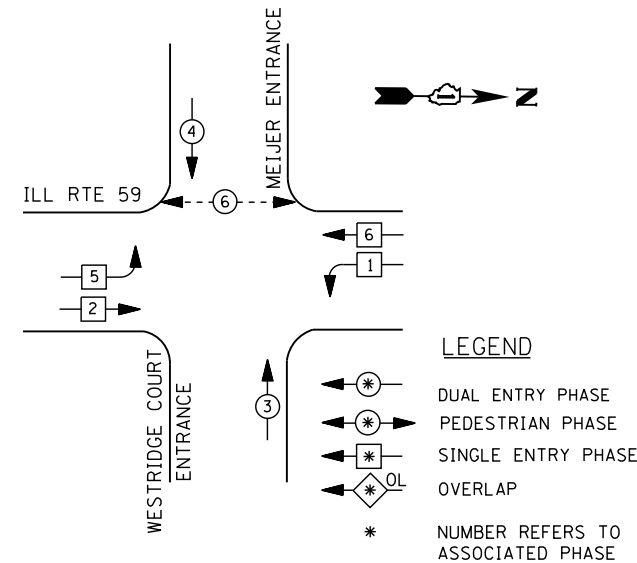
TEMPORARY TRAFFIC SIGNAL INSTALLATION			
MOT STAGING PLAN (2 OF 2)			
IL RTE 59 AT COMMERCIAL DRIVEWAY (MEIJER ENTRANCE)			
SCALE: NTS	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	616
TS-24			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				

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 RAILROAD INTERSECTIONS. 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, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM 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.

TEMPORARY CONTROLLER SEQUENCE

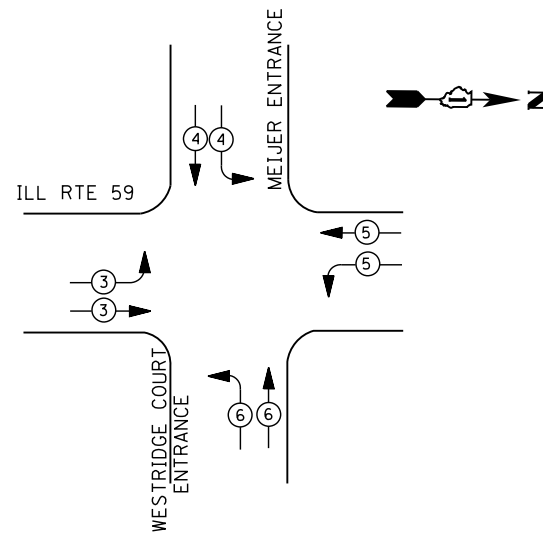


LEAD/LAG OPERATION FOR PHASES 1 AND 5 DURING MOT STAGE 2

PHASES 1 AND 5 SHALL BE INACTIVE DURING MOT STAGE 2A

PHASE 1 SHALL BE INACTIVE DURING MOT STAGE 3B FOR PEDESTRIAN PHASE 6, SEE NOTE BELOW.

TEMPORARY PHASE DESIGNATION DIAGRAM

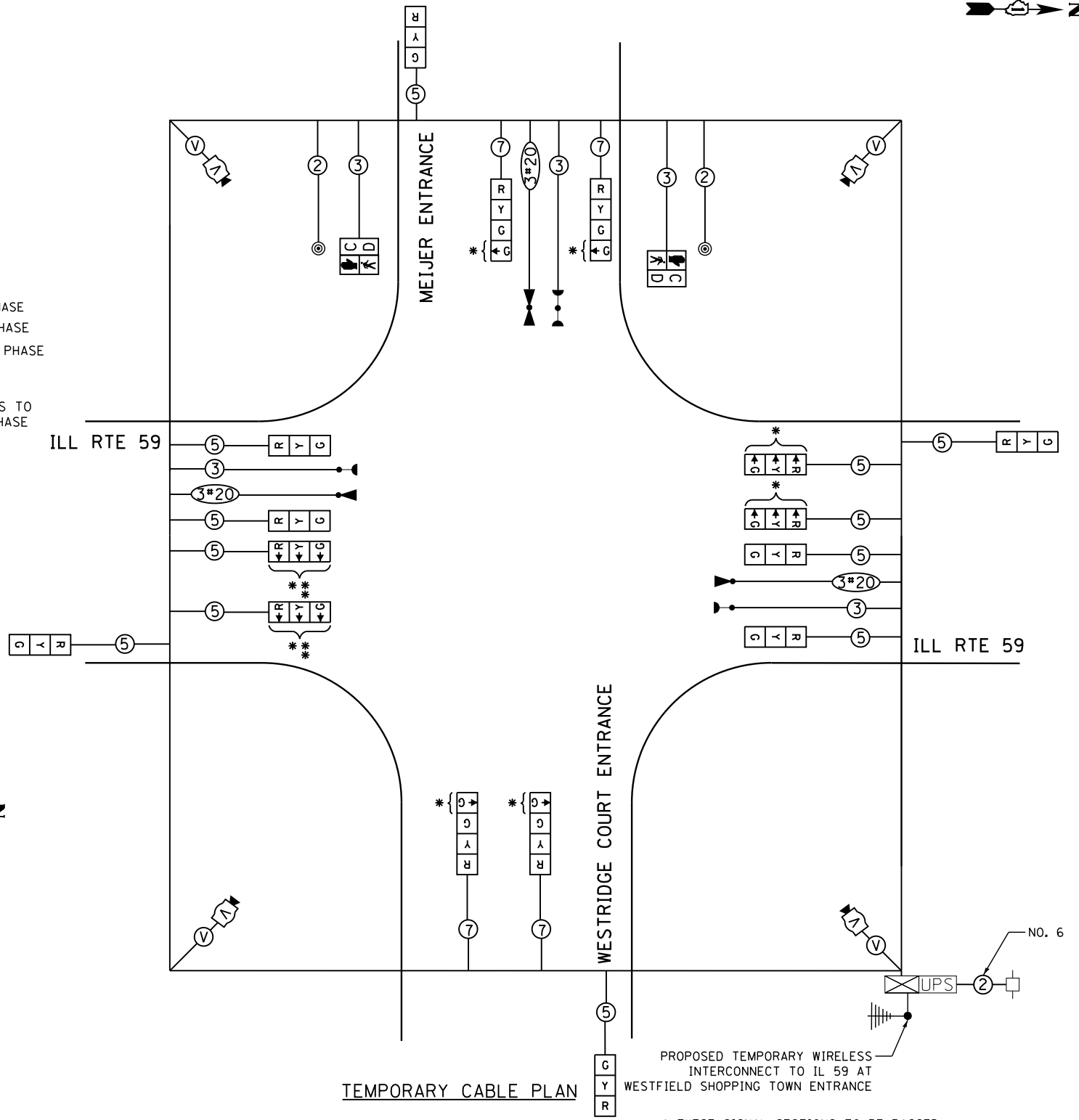


TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

ALL PEDESTRIAN HEADS SHALL BE BAGGED AND DISCONNECTED AT LOCATIONS WHERE EXISTING PAVEMENT IS REMOVED. ALL PEDESTRIAN SIGNAL HEADS SHALL REMAIN BAGGED UNTIL THE PAVEMENT IS RESTORED TO PROVIDE A SAFE CROSSING AREA. USAGE OF PEDESTRIAN SIGNALS IS BASED ON CONSTRUCTION STAGING AND SHALL BE DETERMINED BY THE RESIDENT ENGINEER. IF SIDEWALKS AND PEDESTRIAN CROSSINGS ARE NOT PROVIDED, THE PEDESTRIAN SIGNAL EQUIPMENT SHALL REMAIN DISCONNECTED UNTIL WARRANTED PRIOR TO THE PERMANENT SIGNAL TURN-ON.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.

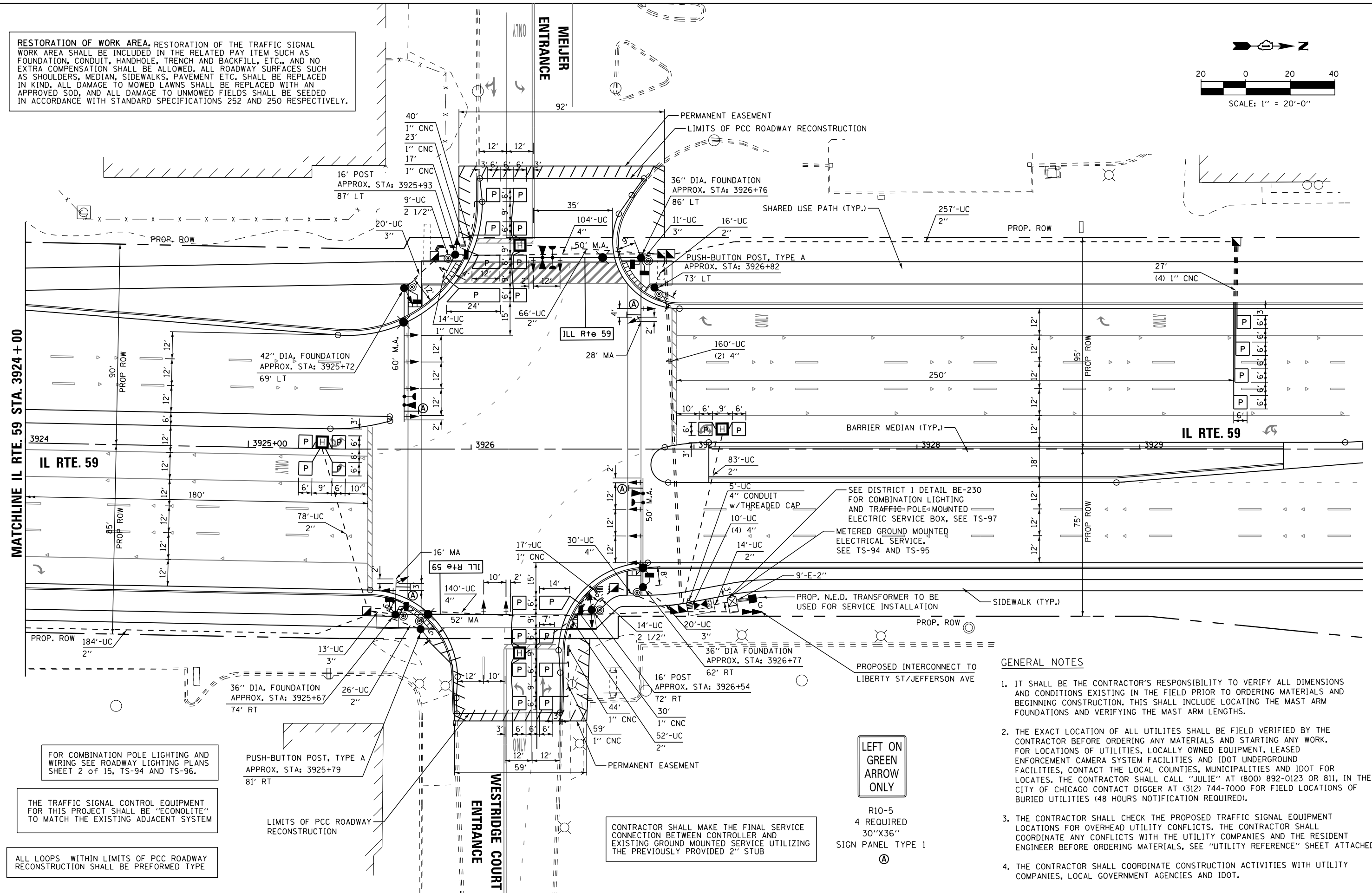
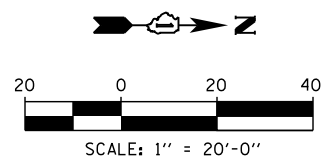


TEMPORARY CABLE PLAN

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16	135	17	0.50	136
(YELLOW)	16	135	25	0.25	100
(GREEN)	20	135	15	0.25	75
ARROW	--	135	12	0.10	--
PED. SIGNAL	2	90	25	1.00	50
CONTROLLER	1	100	100	1.00	100
VIDEO SYSTEM	1	150	150	1.00	150
611					
ENERGY COSTS-	BILLED TO: CITY OF NAPERVILLE 400 S. EAGLE STREET NAPERVILLE, IL 60540				
ENERGY SUPPLY -	CONTACT BRIAN CHAMBERLAIN PHONE NAPERVILLE ELECTRIC DEPT. 630-420-6653				



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.



FOR COMBINATION POLE LIGHTING AND WIRING SEE ROADWAY LIGHTING PLANS SHEET 2 OF 15, TS-94 AND TS-96.

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

ALL LOOPS WITHIN LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PREFORMED TYPE

PUSH-BUTTON POST, TYPE A
 APPROX. STA: 3925+79
 81' RT

CONTRACTOR SHALL MAKE THE FINAL SERVICE CONNECTION BETWEEN CONTROLLER AND EXISTING GROUND MOUNTED SERVICE UTILIZING THE PREVIOUSLY PROVIDED 2" STUB

LEFT ON GREEN ARROW ONLY

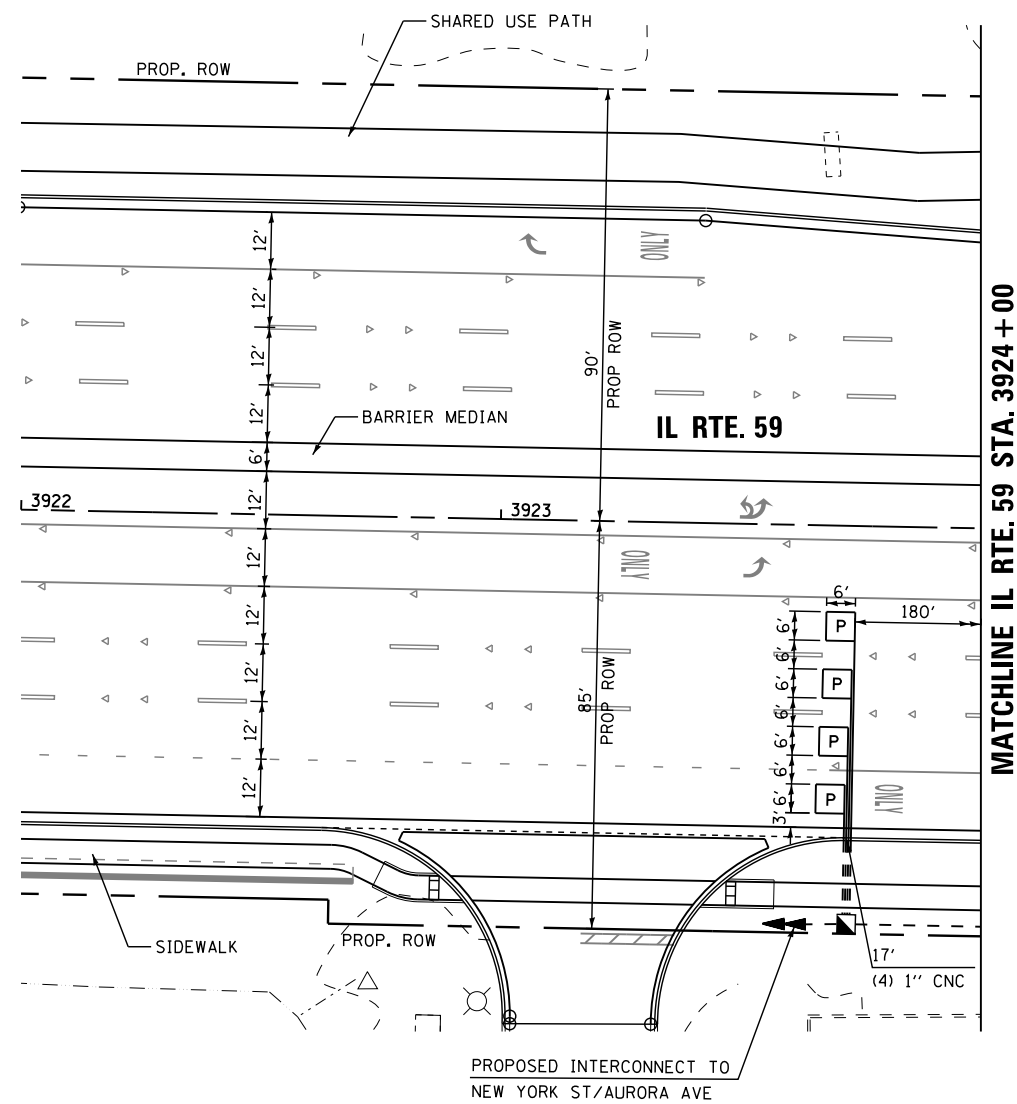
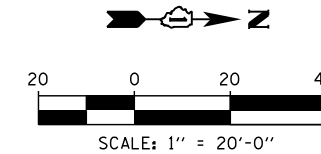
R10-5
 4 REQUIRED
 30"X36"
 SIGN PANEL TYPE 1

SEE DISTRICT 1 DETAIL BE-230 FOR COMBINATION LIGHTING AND TRAFFIC-POLE MOUNTED ELECTRIC SERVICE BOX, SEE TS-97
 METERED GROUND MOUNTED ELECTRICAL SERVICE, SEE TS-94 AND TS-95

GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAJOR FOUNDATIONS AND VERIFYING THE MAJOR ARM LENGTHS.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS, SEE "UTILITY REFERENCE" SHEET ATTACHED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

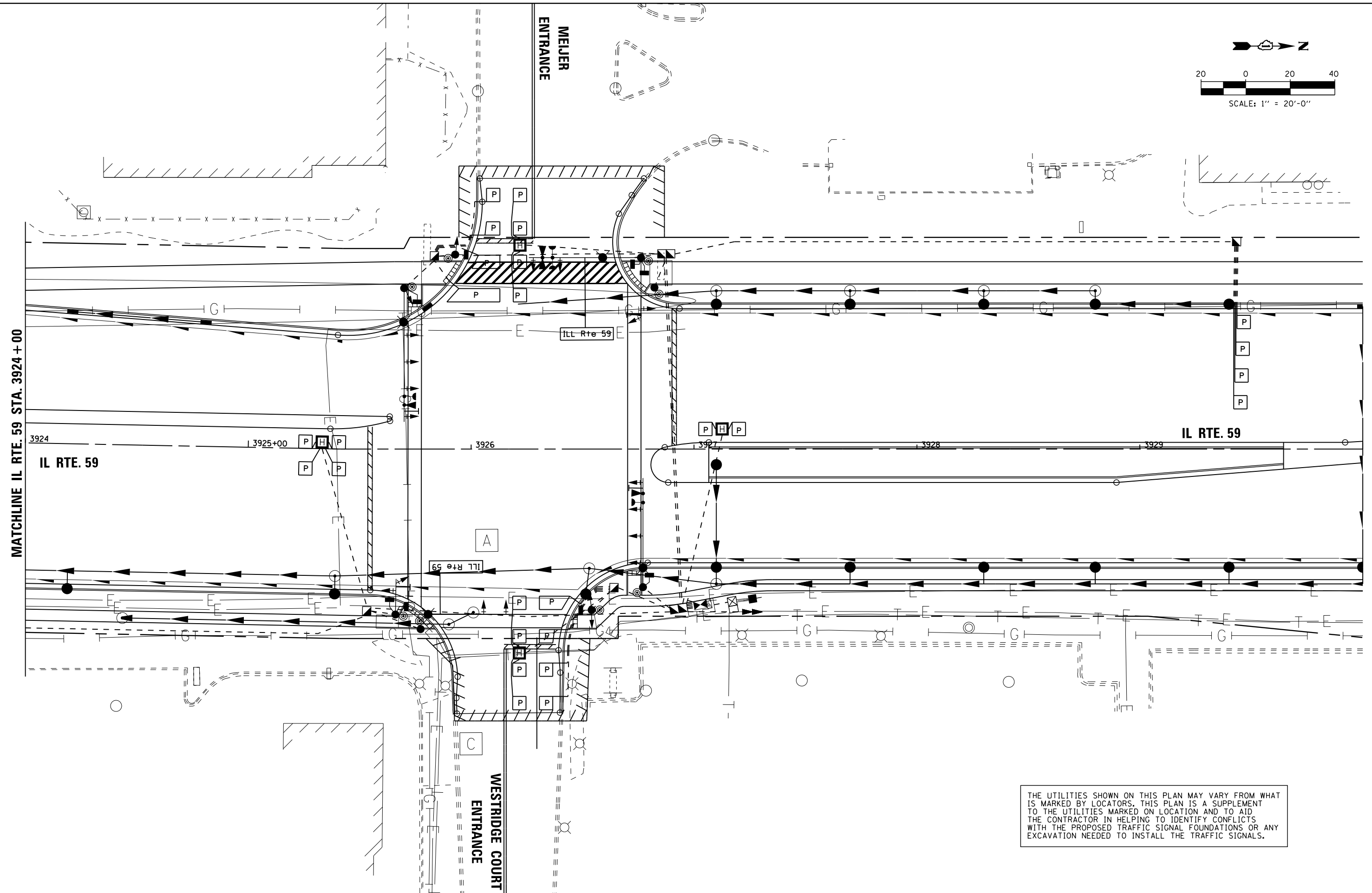
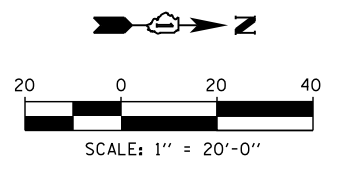
FILE NAME = K:\Projects\090059\Design\Sheet Files\679rwa59prcMRL.dgn	USER NAME = *USER*	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 59 AT MEIJER & WESTRIDGE COURT ENTRANCES		F.A. RTE. = 338	SECTION = (112 & 113) WRS-7	COUNTY = DUPAGE	TOTAL SHEETS = 1156	SHEET NO. = 618
PLOT SCALE = *SCALE*	CHECKED - KMM	REVISIED -	REVISIED -					SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS	STA. TO STA.	TS-26	
PLOT DATE = 12/6/2012	DATE -	REVISIED -	REVISIED -									



ALL LOOPS WITHIN LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PREFORMED TYPE

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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 - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 59 AT MEIJER & WESTRIDGE COURT ENTRANCES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
K:\Projects\090059\Design\Sheet Files\6799rwa59proMR2.dgn		DRAWN - JDH	REVISED -			338	(112 & 113) WRS-7	DUPAGE	1156	619
PLOT SCALE = *SCALE*		CHECKED - KMM	REVISED -			TS-27		CONTRACT NO. 60R30		
PLOT DATE = 12/6/2012		DATE -	REVISED -			SCALE: 1"=20'	SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	



THE UTILITIES SHOWN ON THIS PLAN MAY VARY FROM WHAT IS MARKED BY LOCATORS. THIS PLAN IS A SUPPLEMENT TO THE UTILITIES MARKED ON LOCATION AND TO AID THE CONTRACTOR IN HELPING TO IDENTIFY CONFLICTS WITH THE PROPOSED TRAFFIC SIGNAL FOUNDATIONS OR ANY EXCAVATION NEEDED TO INSTALL THE TRAFFIC SIGNALS.

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	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**UTILITY REFERENCE PLAN
 IL RTE 59 AT MEIJER & WESTRIDGE COURT ENTRANCES**

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	620
TS- 28		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
30	SO FT	SIGN PANEL - TYPE 1
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
785	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
23	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
64	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
639	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
5	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	TRANSCEIVER - FIBER OPTIC
1681	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
2539	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
2981	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
1925	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
2235	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
44	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
851	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 52 FT. AND 16 FT.
20	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
47	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
21	FOOT	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER
10	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
6	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
16	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
9	EACH	INDUCTIVE LOOP DETECTOR
1094	FOOT	PREFORMED DETECTOR LOOP
* 3	EACH	LIGHT DETECTOR
* 1	EACH	LIGHT DETECTOR AMPLIFIER
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
11	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
820	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
1	EACH	FULL-ACTUATED CONTROLLER AND SUPER P CABINET, TYPE IV, SPECIAL
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 50 FT.
** 2	EACH	ILLUMINATED STREET NAME SIGN
2	EACH	PEDESTRIAN PUSHBUTTON POST, TYPE A

* 100% COST TO THE CITY OF NAPERVILLE
** 50% COST TO THE CITY OF NAPERVILLE
50% COST TO THE CITY OF AURORA

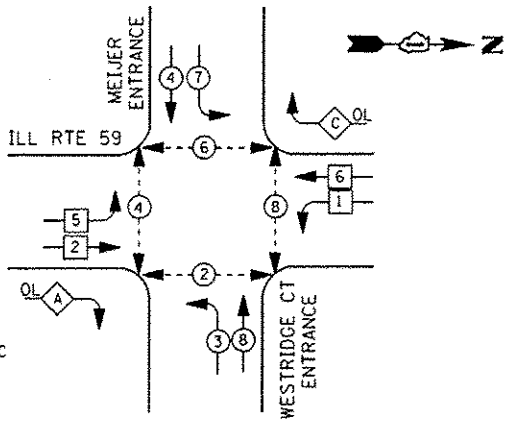
I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	20	135	17	0.50	170
(YELLOW)	20	135	25	0.25	125
(GREEN)	20	135	15	0.25	75
ARROW	16	135	12	0.10	19
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	2		90	0.50	90
TOTAL =					779

ENERGY COSTS - BILLED TO: CITY OF NAPERVILLE
400 S. EAGLE STREET
NAPERVILLE, IL 60540

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

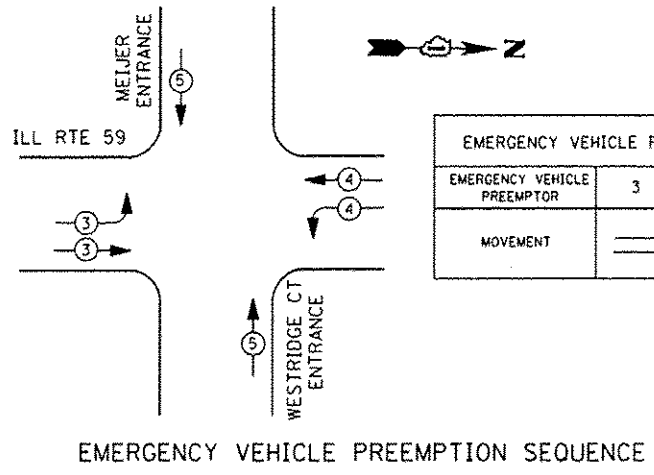
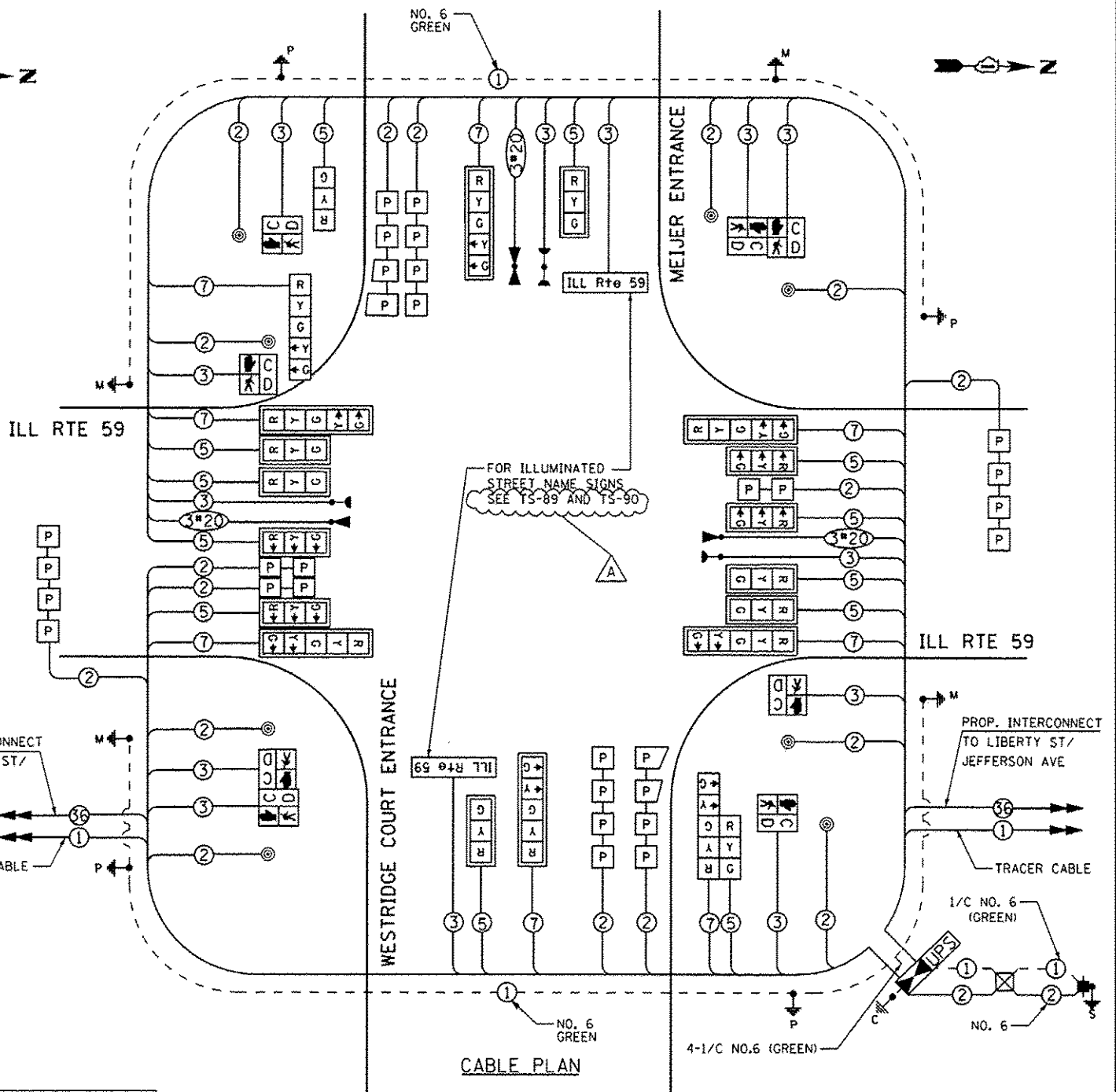
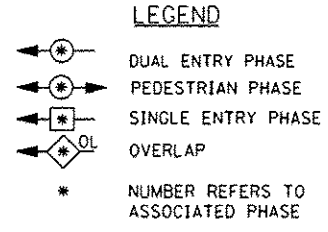
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A =	2 +	3
C =	6 +	7



EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	←	↑

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

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

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOG, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FOR COMBINATION POLE LIGHTING AND WIRING SEE ROADWAY LIGHTING PLANS SHEET 2 OF 15, TS-94 AND TS-96.

ALL LOOPS WITHIN LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PREFORMED TYPE

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

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

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.

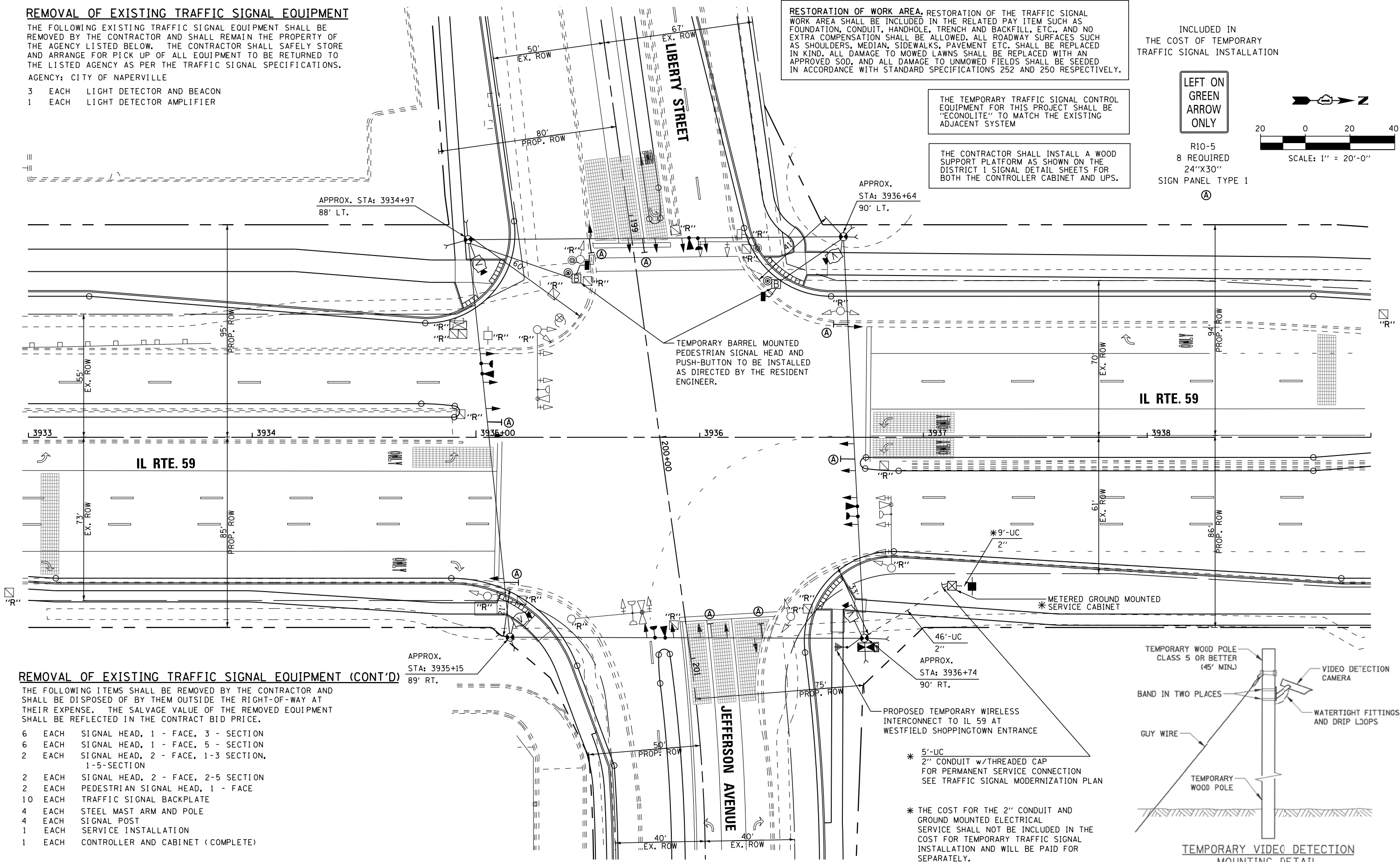
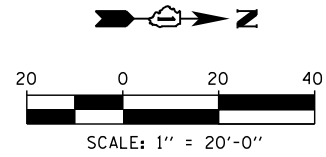
THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION

LEFT ON GREEN ARROW ONLY

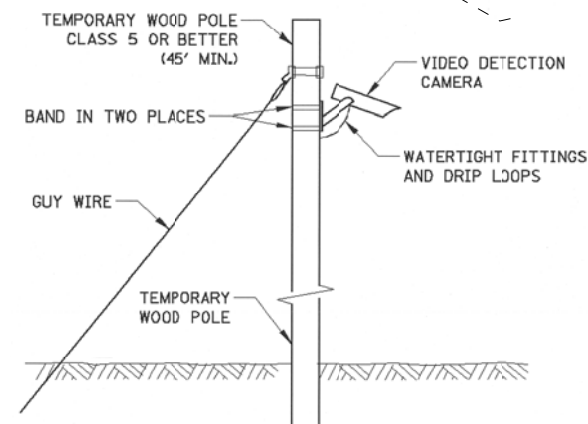
R10-5
 8 REQUIRED
 24"X30"
 SIGN PANEL TYPE 1
 (A)



REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT (CONT'D)

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.

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

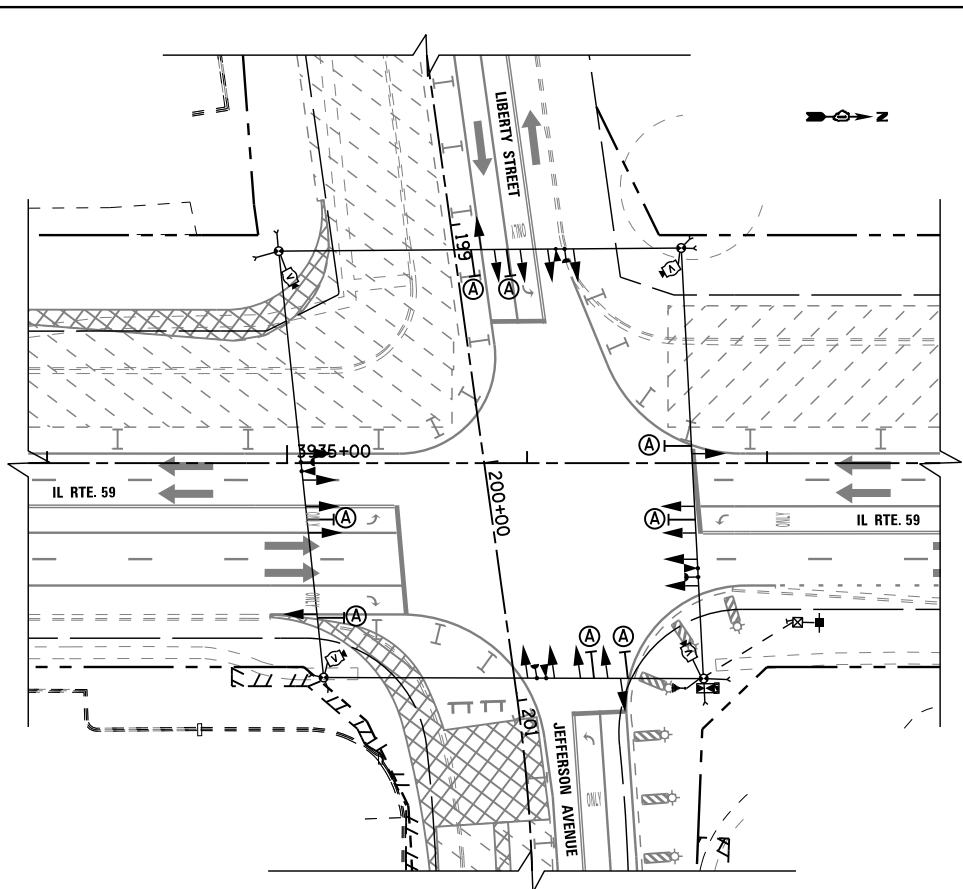


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	PLOT DATE = 12/6/2012	DATE -	REVISED -

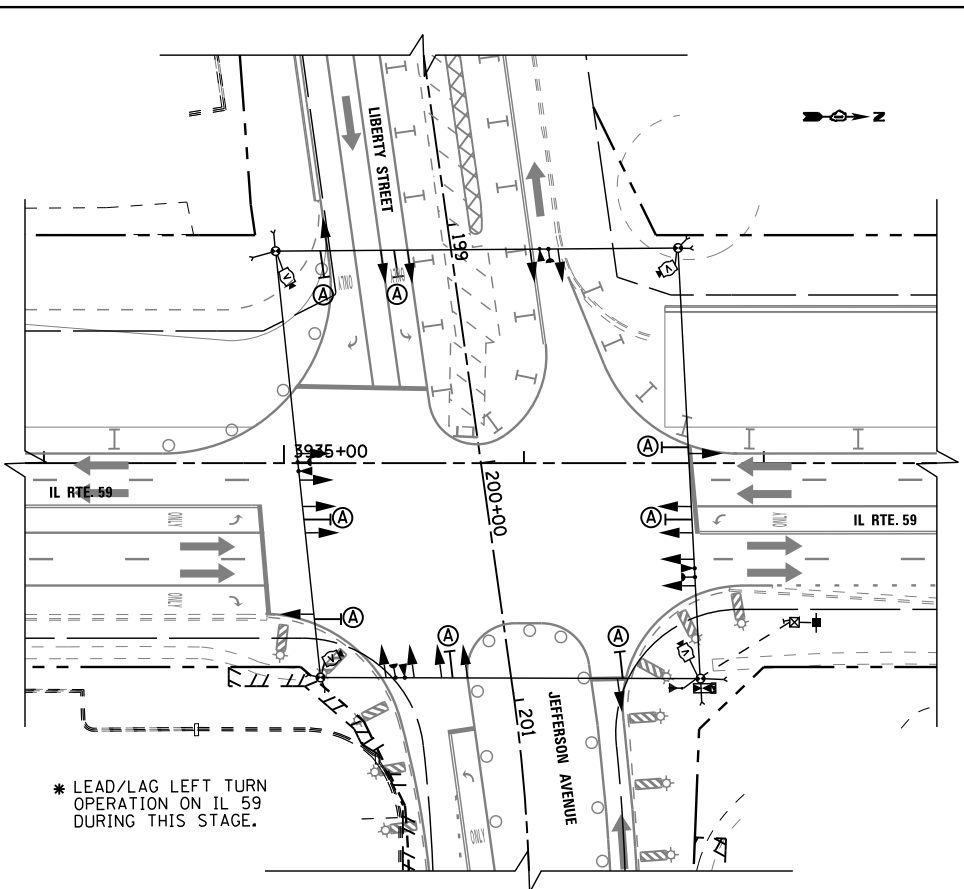
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
 & REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
 IL RTE 59 AT LIBERTY ST / JEFFERSON AVE
 SCALE: 1"=20' SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	622
TS-30		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				

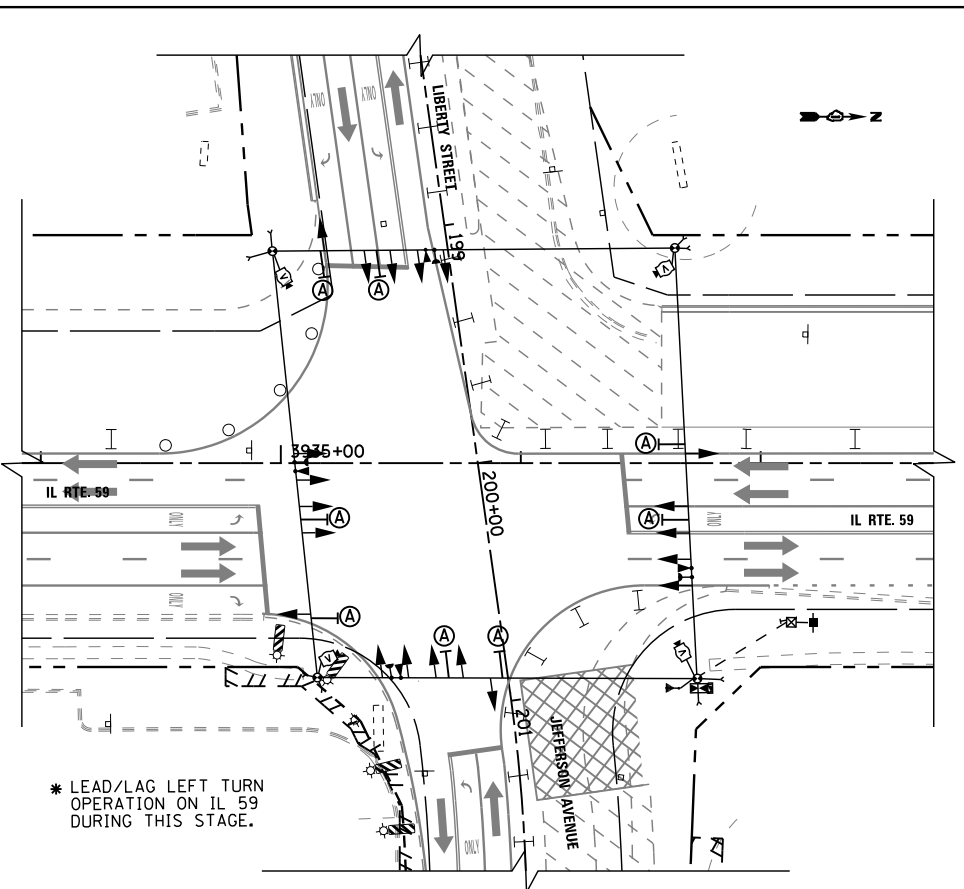


TEMPORARY TRAFFIC SIGNAL STAGE 1



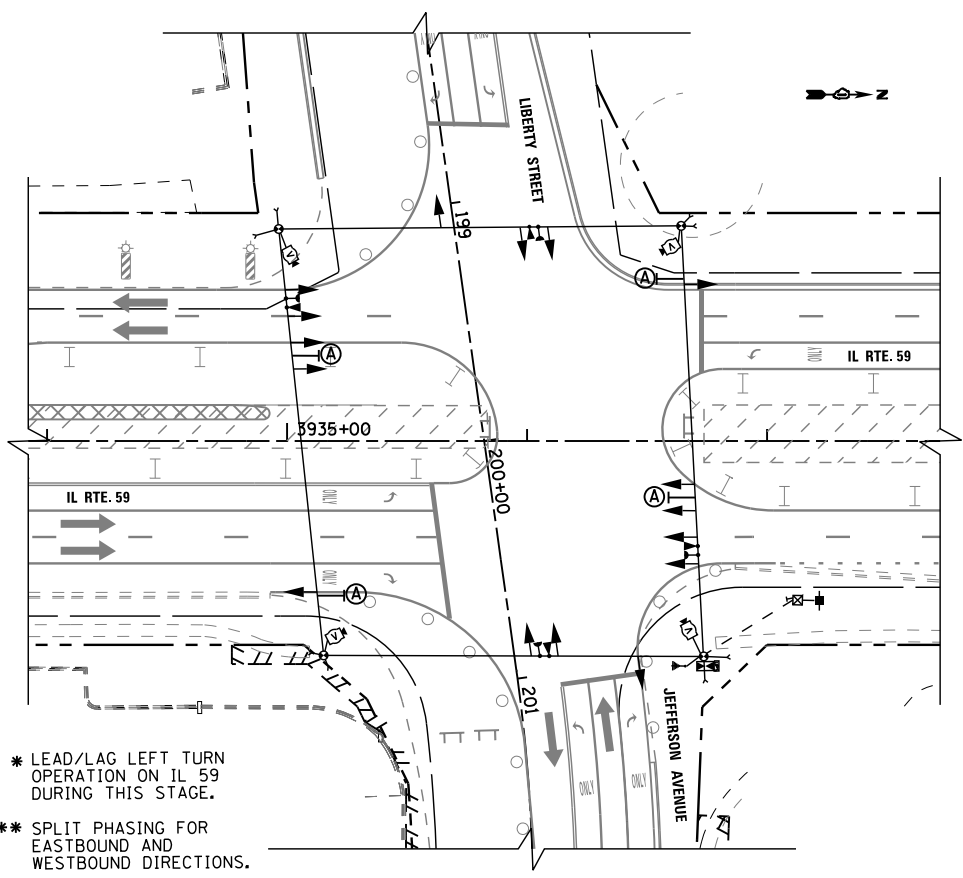
TEMPORARY TRAFFIC SIGNAL STAGE 1A

* LEAD/LAG LEFT TURN OPERATION ON IL 59 DURING THIS STAGE.



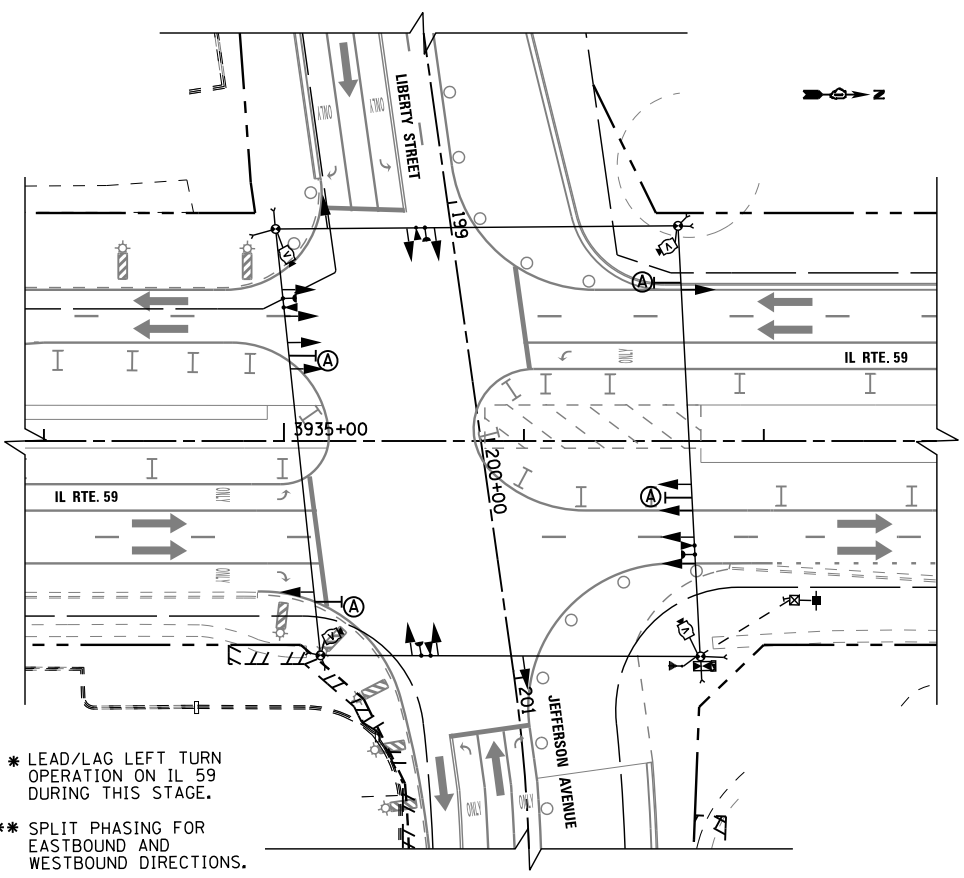
TEMPORARY TRAFFIC SIGNAL STAGE 1B

* LEAD/LAG LEFT TURN OPERATION ON IL 59 DURING THIS STAGE.



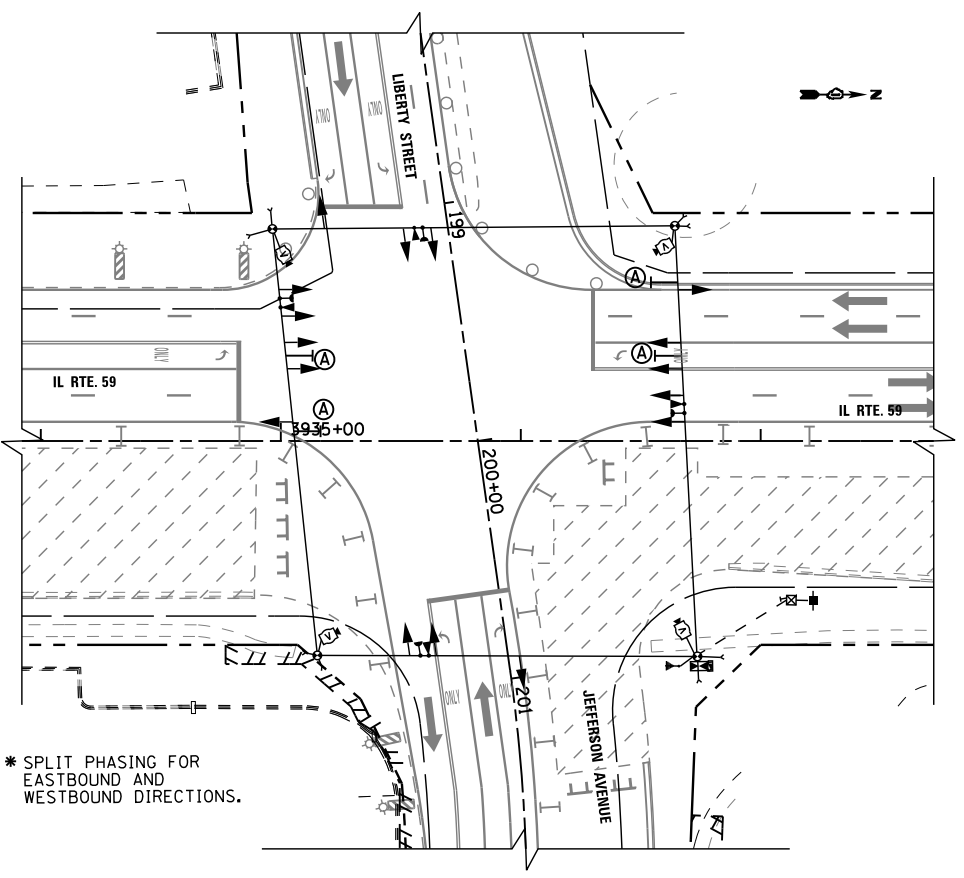
TEMPORARY TRAFFIC SIGNAL STAGE 2

* LEAD/LAG LEFT TURN OPERATION ON IL 59 DURING THIS STAGE.
 ** SPLIT PHASING FOR EASTBOUND AND WESTBOUND DIRECTIONS.



TEMPORARY TRAFFIC SIGNAL STAGE 2A

* LEAD/LAG LEFT TURN OPERATION ON IL 59 DURING THIS STAGE.
 ** SPLIT PHASING FOR EASTBOUND AND WESTBOUND DIRECTIONS.



TEMPORARY TRAFFIC SIGNAL STAGE 3

* SPLIT PHASING FOR EASTBOUND AND WESTBOUND DIRECTIONS.

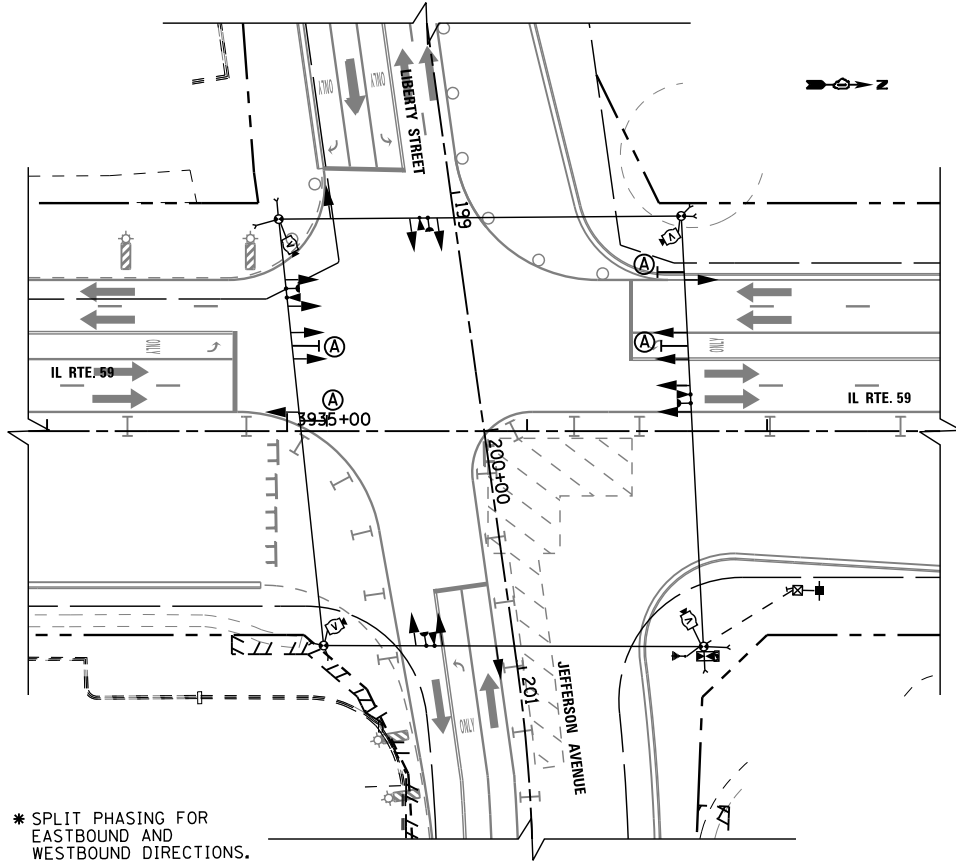
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	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

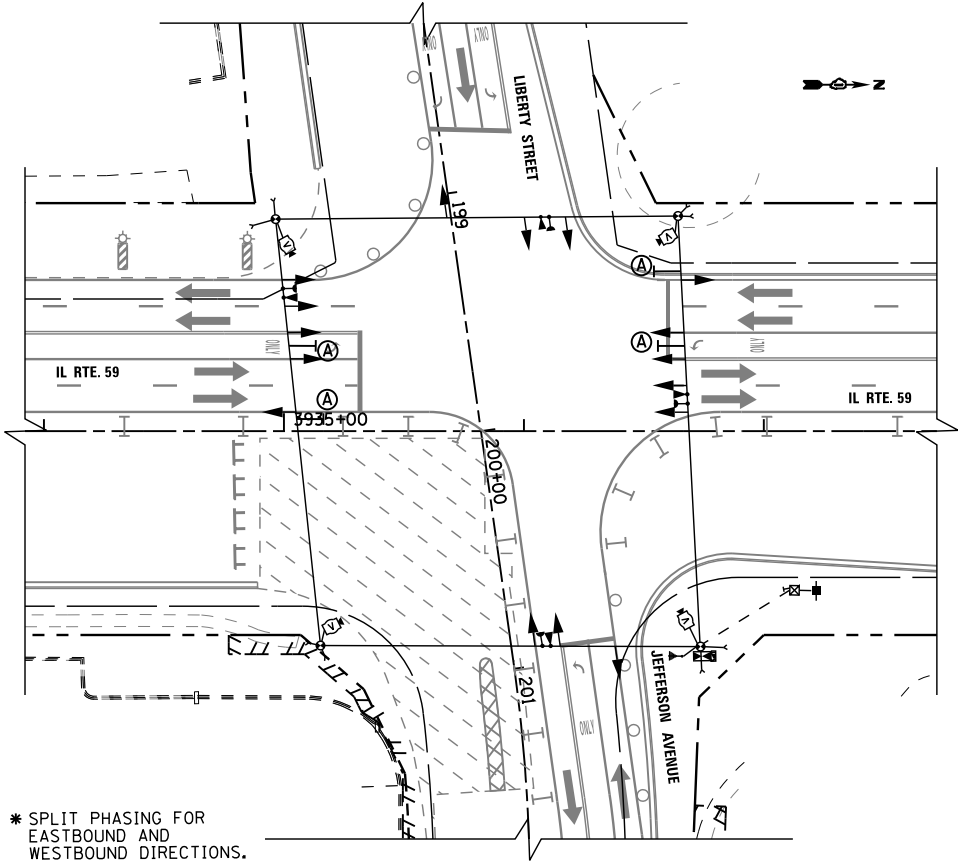
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
 MOT STAGING PLAN (1 OF 2)
 IL RTE 59 AT LIBERTY ST / JEFFERSON AVE**

SCALE: NTS SHEET NO. 2 OF 3 SHEETS STA. TO STA.

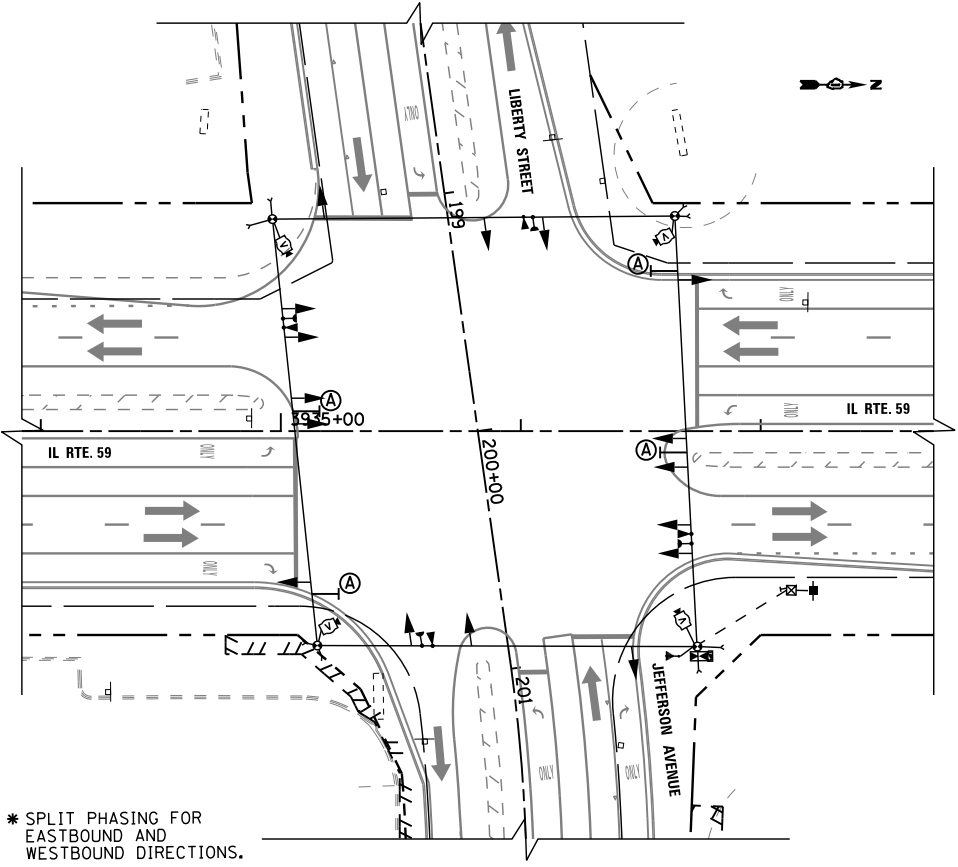
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	623
TS- 31		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				



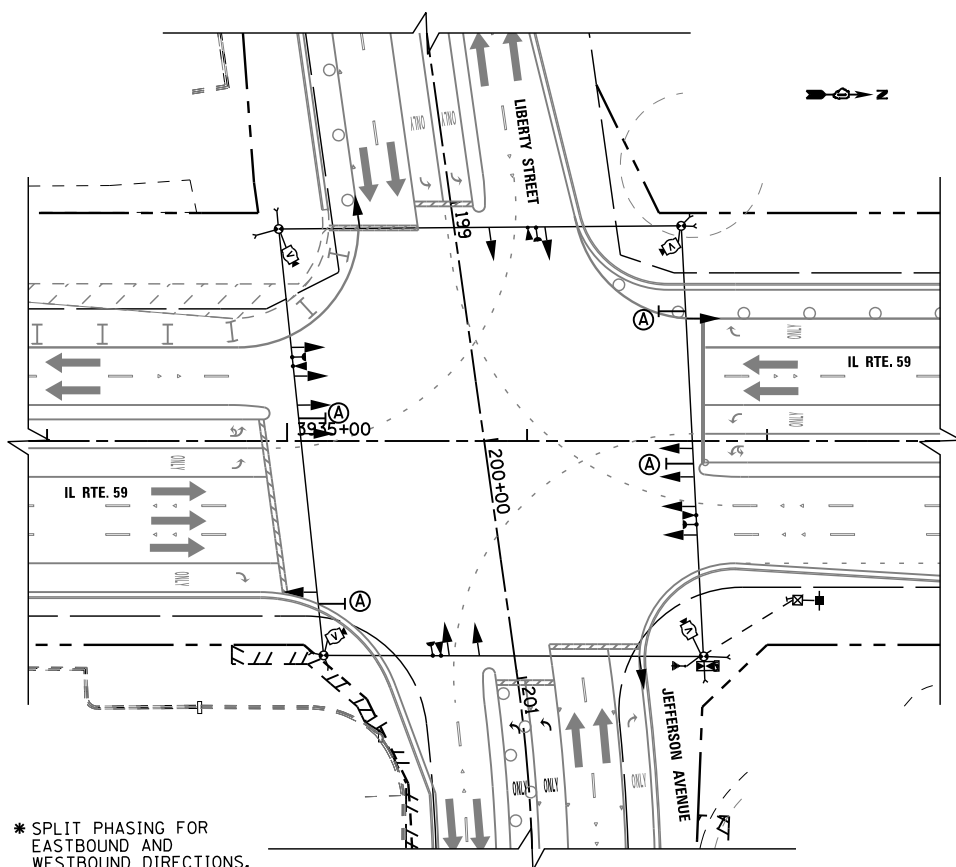
TEMPORARY TRAFFIC SIGNAL STAGE 3A



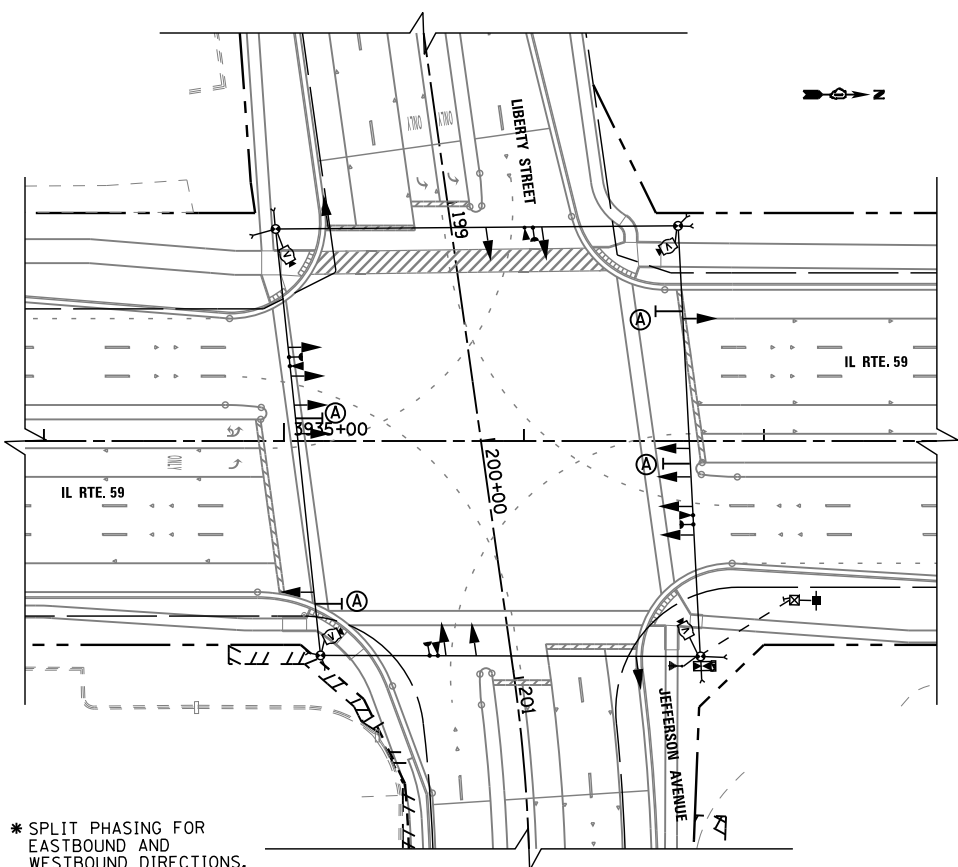
TEMPORARY TRAFFIC SIGNAL STAGE 3B



TEMPORARY TRAFFIC SIGNAL STAGE 4



TEMPORARY TRAFFIC SIGNAL STAGE 4A



TEMPORARY TRAFFIC SIGNAL FINAL CONDITION

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	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
 MOT STAGING PLAN (2 OF 2)
 IL RTE 59 AT LIBERTY ST /JEFFERSON AVE**

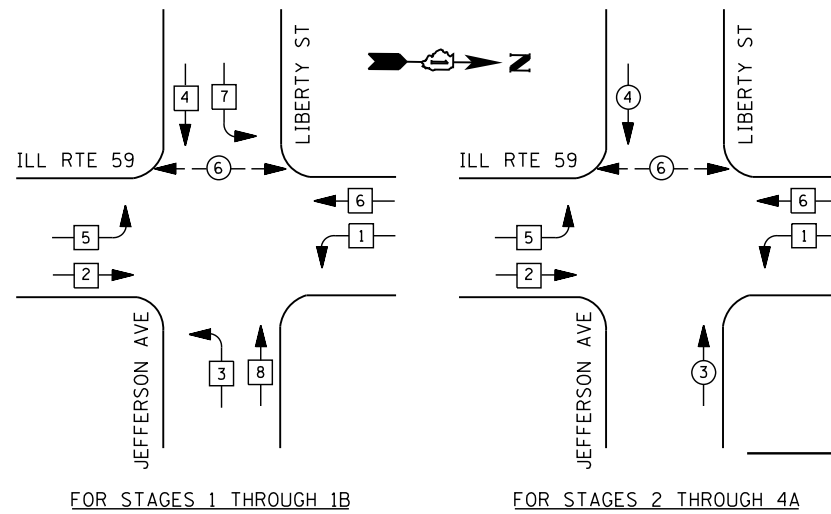
SCALE: NTS SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	624
TS-32		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				

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 RAILROAD INTERSECTIONS. 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, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM 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.

TEMPORARY CONTROLLER SEQUENCE

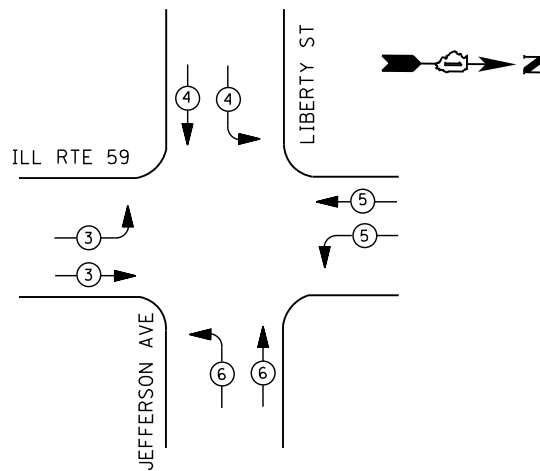


NOTE: LEAD/LAG OPERATION FOR PHASES 1 AND 5 DURING MOT STAGES 1A, 1B, 2 & 2A

LEGEND

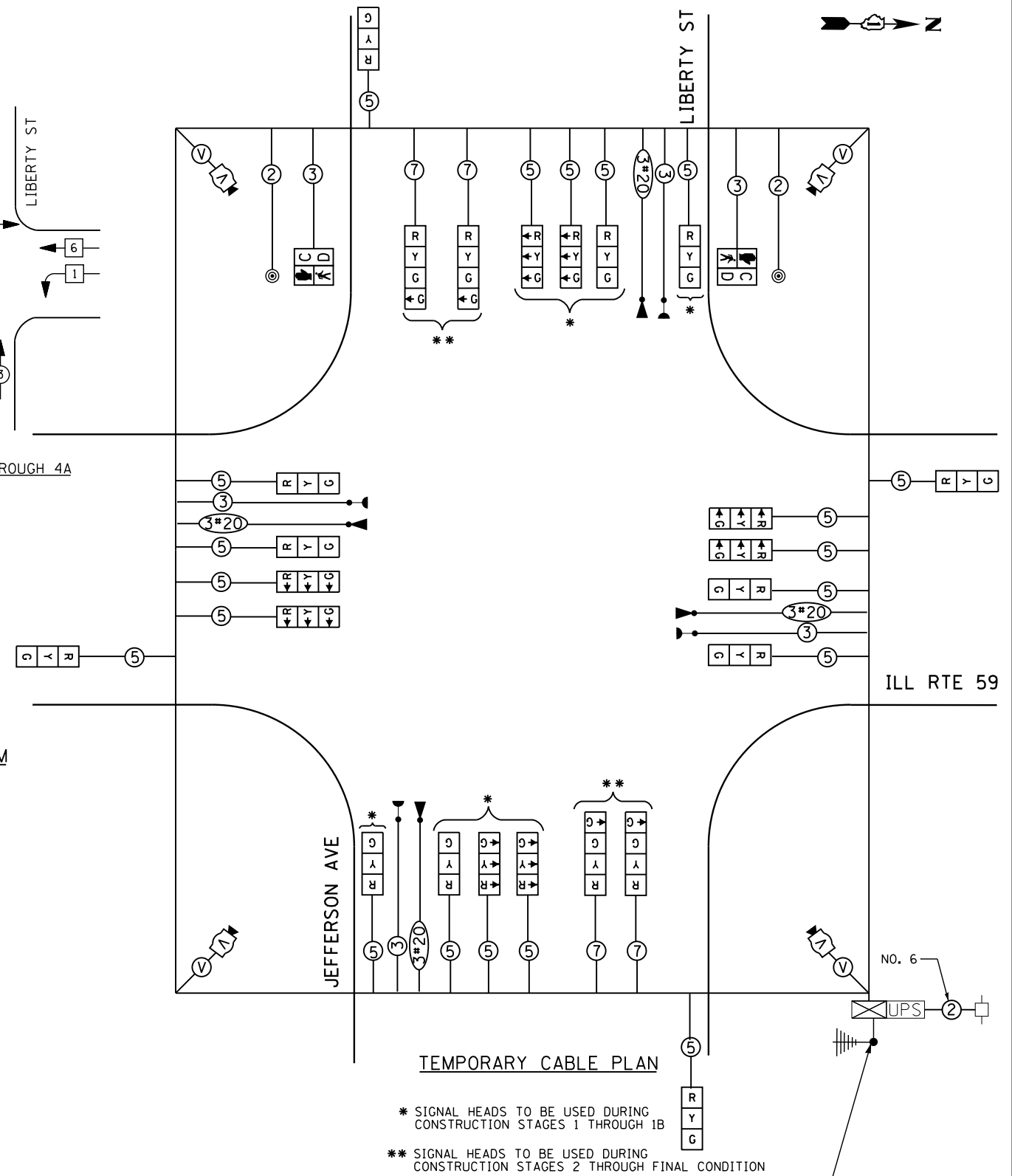
- ← * → DUAL ENTRY PHASE
- ← * → PEDESTRIAN PHASE
- ← * → SINGLE ENTRY PHASE
- ← * → OL OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	→	↓	←	↑



TEMPORARY CABLE PLAN

- * SIGNAL HEADS TO BE USED DURING CONSTRUCTION STAGES 1 THROUGH 1B
- ** SIGNAL HEADS TO BE USED DURING CONSTRUCTION STAGES 2 THROUGH FINAL CONDITION

PROPOSED TEMPORARY WIRELESS INTERCONNECT TO IL 59 AT WESTFIELD SHOPPINGTOWN ENTRANCE

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

ALL PEDESTRIAN HEADS SHALL BE BAGGED AND DISCONNECTED AT LOCATIONS WHERE EXISTING PAVEMENT IS REMOVED. ALL PEDESTRIAN SIGNAL HEADS SHALL REMAIN BAGGED UNTILL THE PAVEMENT IS RESTORED TO PROVIDE A SAFE CROSSING AREA. USAGE OF PEDESTRIAN SIGNALS IS BASED ON CONSTRUCTION STAGING AND SHALL BE DETERMINED BY THE RESIDENT ENGINEER. IF SIDEWALKS AND PEDESTRIAN CROSSINGS ARE NOT PROVIDED, THE PEDESTRIAN SIGNAL EQUIPMENT SHALL REMAIN DISCONNECTED UNTIL WARRANTED PRIOR TO THE PERMANENT SIGNAL TURN-ON.

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	20	135	17	0.50	170
(YELLOW)	20	135	25	0.25	125
(GREEN)	20	135	15	0.25	75
PED. SIGNAL	2	90	25	1.00	50
CONTROLLER	1	100	100	1.00	100
VIDEO SYSTEM	1	150	-	1.00	150
TOTAL =					670

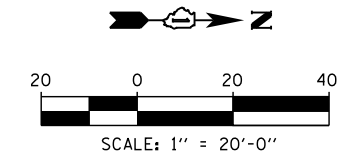
ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
 201 W. CENTER CT.
 SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
 PHONE NAPERVILLE ELECTRIC DEPT.
 630-420-6653

CONTRACTOR SHALL MAKE THE FINAL SERVICE CONNECTION BETWEEN CONTROLLER AND EXISTING GROUND MOUNTED SERVICE UTILIZING THE PREVIOUSLY PROVIDED 2" STUB

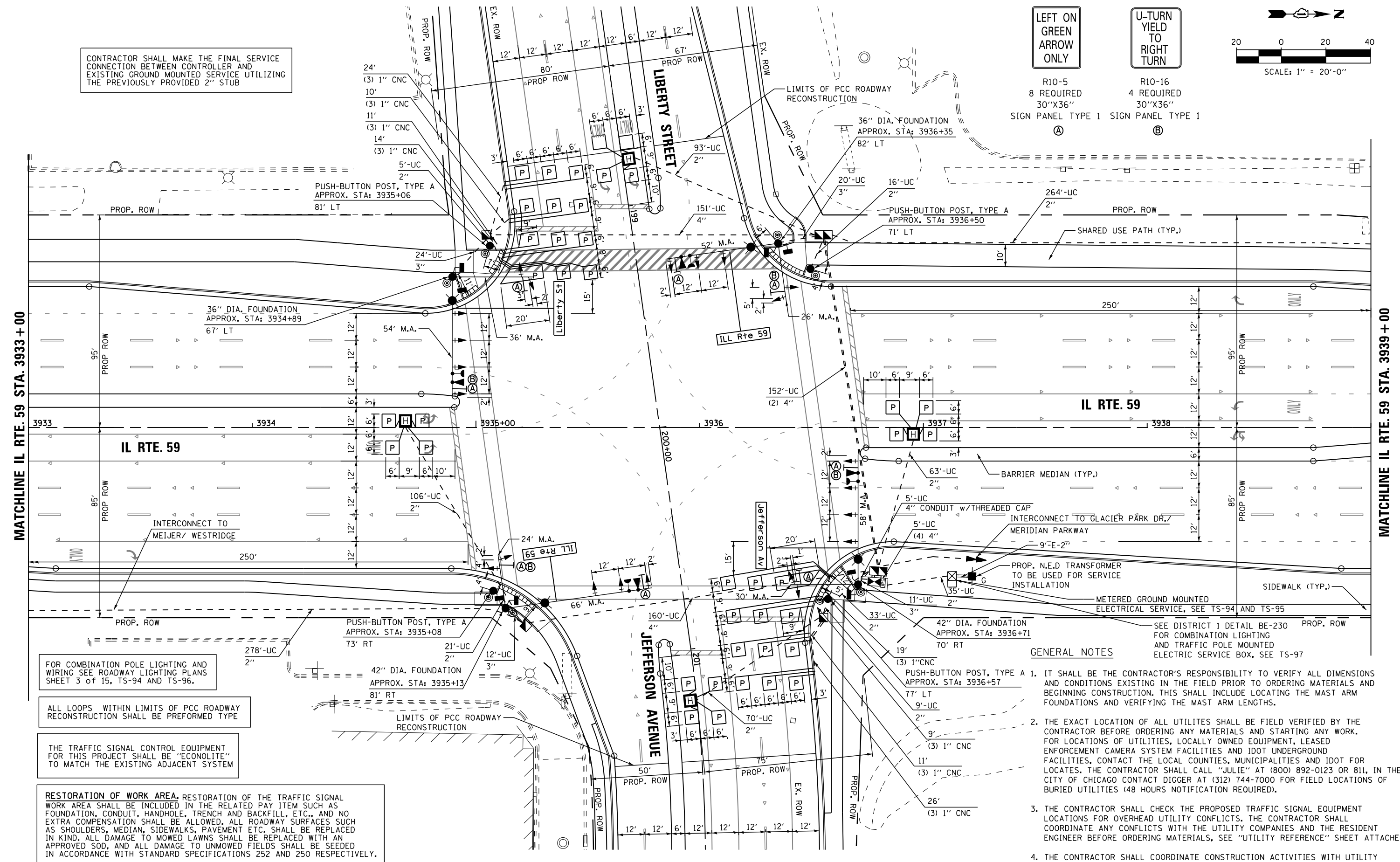
LEFT ON GREEN ARROW ONLY

U-TURN YIELD TO RIGHT TURN



R10-5
8 REQUIRED
30"X36"
SIGN PANEL TYPE 1 (A)

R10-16
4 REQUIRED
30"X36"
SIGN PANEL TYPE 1 (B)



FOR COMBINATION POLE LIGHTING AND WIRING SEE ROADWAY LIGHTING PLANS SHEET 3 OF 15, TS-94 AND TS-96.

ALL LOOPS WITHIN LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PREFORMED TYPE

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

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.

GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- THE EXACT LOCATION OF ALL UTILITES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS, SEE "UTILITY REFERENCE" SHEET ATTACHED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

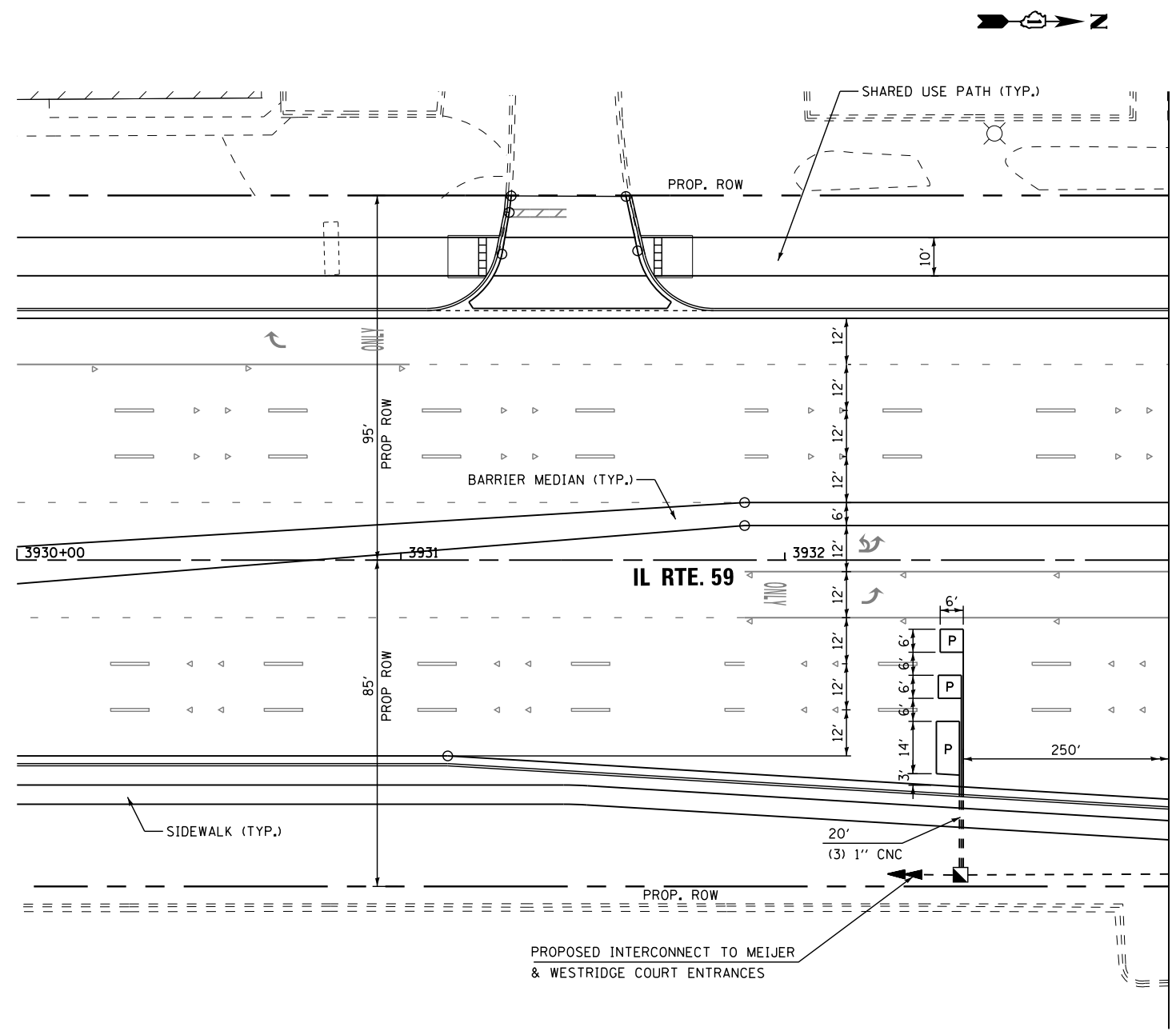
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

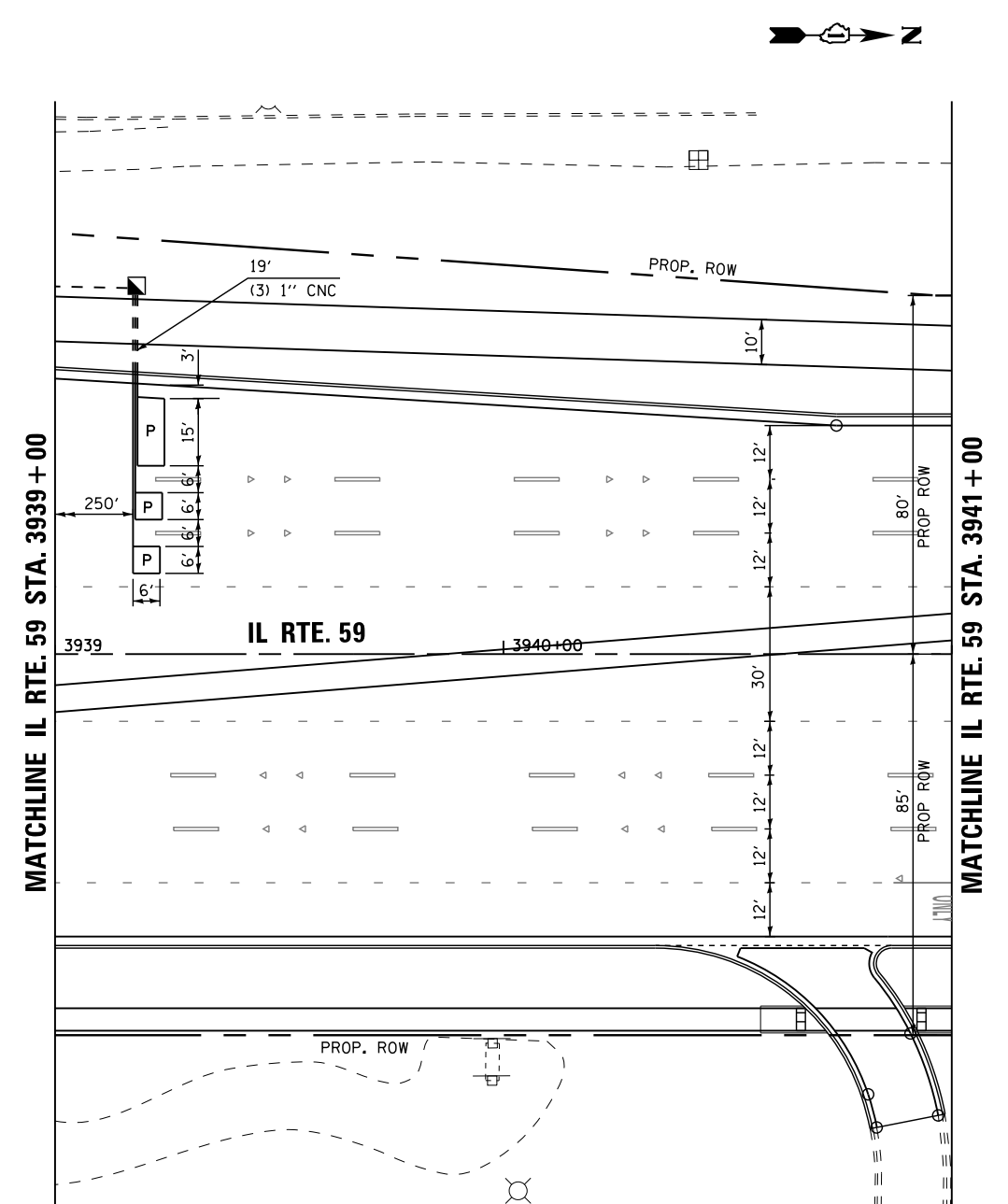
**TRAFFIC SIGNAL MODERNIZATION PLAN
 IL RTE 59 AT LIBERTY ST / JEFFERSON AVE**

SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	626
TS-34		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				



MATCHLINE IL RTE. 59 STA. 3933 + 00

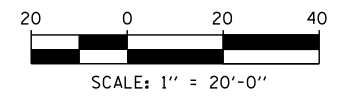


MATCHLINE IL RTE. 59 STA. 3939 + 00

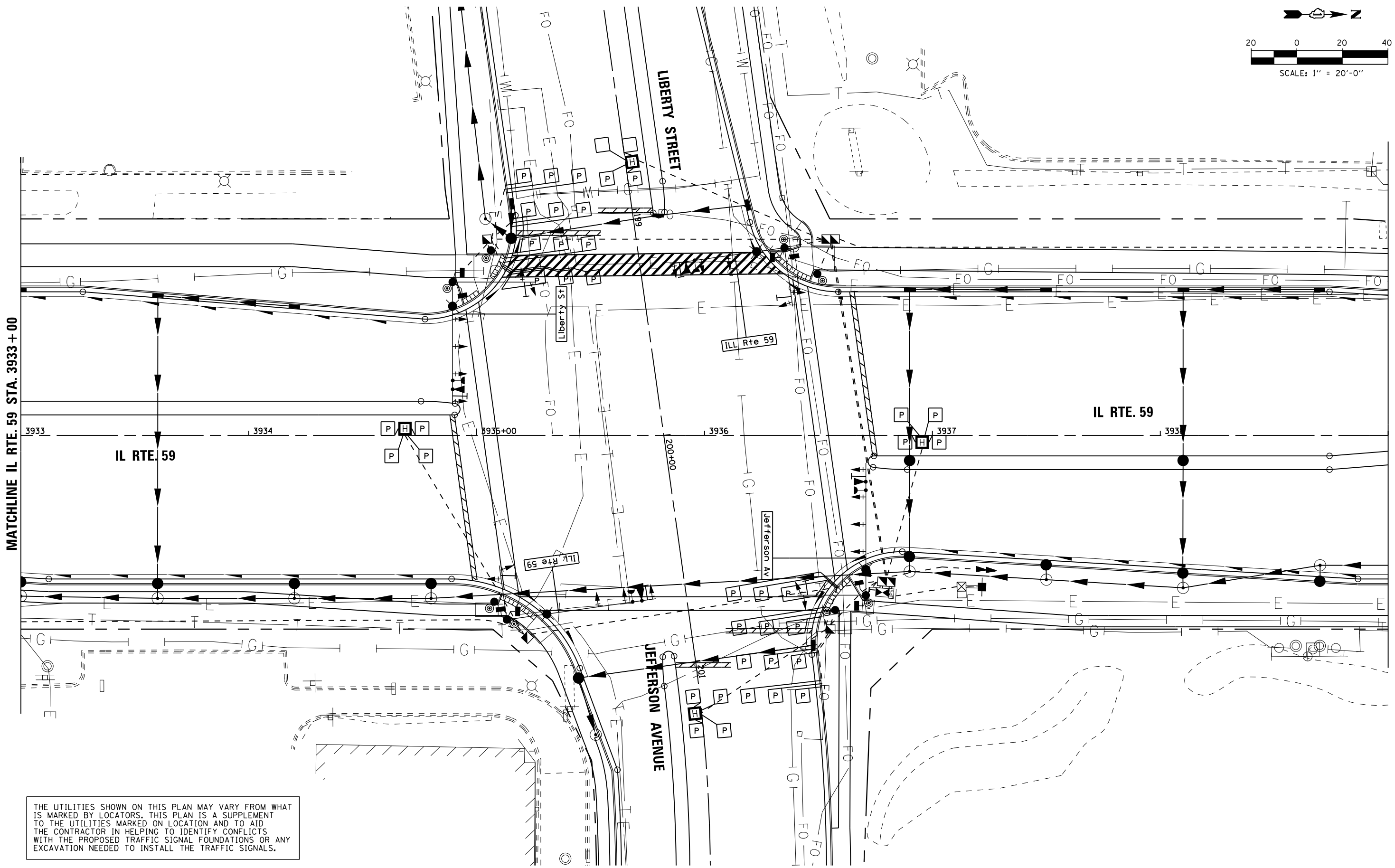
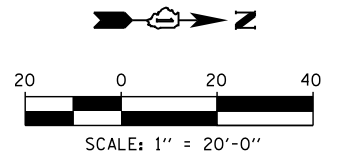
MATCHLINE IL RTE. 59 STA. 3941 + 00

ALL LOOPS WITHIN LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PREFORMED TYPE

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.



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	PLOT SCALE = #SCALE#	CHECKED - KMM	REVISED -		SCALE: 1"=20'	SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	TS-35		CONTRACT NO. 60R30		
	PLOT DATE = 12/6/2012	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



THE UTILITIES SHOWN ON THIS PLAN MAY VARY FROM WHAT IS MARKED BY LOCATORS. THIS PLAN IS A SUPPLEMENT TO THE UTILITIES MARKED ON LOCATION AND TO AID THE CONTRACTOR IN HELPING TO IDENTIFY CONFLICTS WITH THE PROPOSED TRAFFIC SIGNAL FOUNDATIONS OR ANY EXCAVATION NEEDED TO INSTALL THE TRAFFIC SIGNALS.

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PLOT DATE = 12/6/2012		CHECKED - KMM	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**UTILITY REFERENCE PLAN
 IL RTE 59 AT LIBERTY ST / JEFFERSON AVE**
 SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	628
TS-36			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				

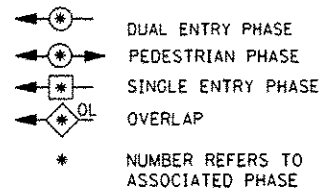
SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
90	50 FT	SIGN PANEL - TYPE 1
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
1002	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
67	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
640	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
5	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	TRANSCEIVER - FIBER OPTIC
1735	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
2902	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
3753	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
2021	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
3793	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
65	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
894	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 54 FT. AND 36 FT.
20	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
32	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
46	FOOT	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER
14	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
8	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
22	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
16	EACH	INDUCTIVE LOOP DETECTOR
64	FOOT	DETECTOR LOOP, TYPE I
1806	FOOT	PREFORMED DETECTOR LOOP
* 4	EACH	LIGHT DETECTOR
* 1	EACH	LIGHT DETECTOR AMPLIFIER
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
12	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
* 1134	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
1	EACH	FULL-ACTUATED CONTROLLER AND SUPER P CABINET, TYPE IV, SPECIAL
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 26 FT. AND 52 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 58 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT. AND 66 FT.
** 4	EACH	ILLUMINATED STREET NAME SIGN
4	EACH	PEDESTRIAN PUSHBUTTON POST, TYPE A

* 100% COST TO THE CITY OF NAPERVILLE

** 50% COST TO THE CITY OF NAPERVILLE
50% COST TO THE CITY OF AURORA

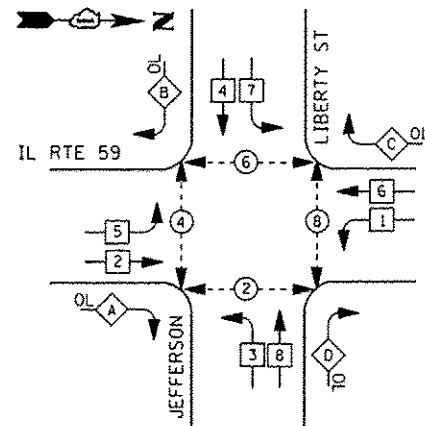
LEGEND



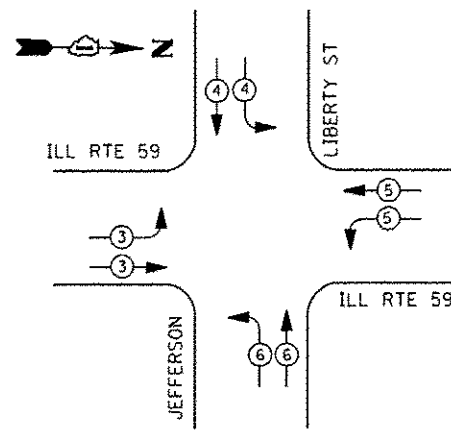
RIGHT TURN OVERLAP PHASE DESIGNATION

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

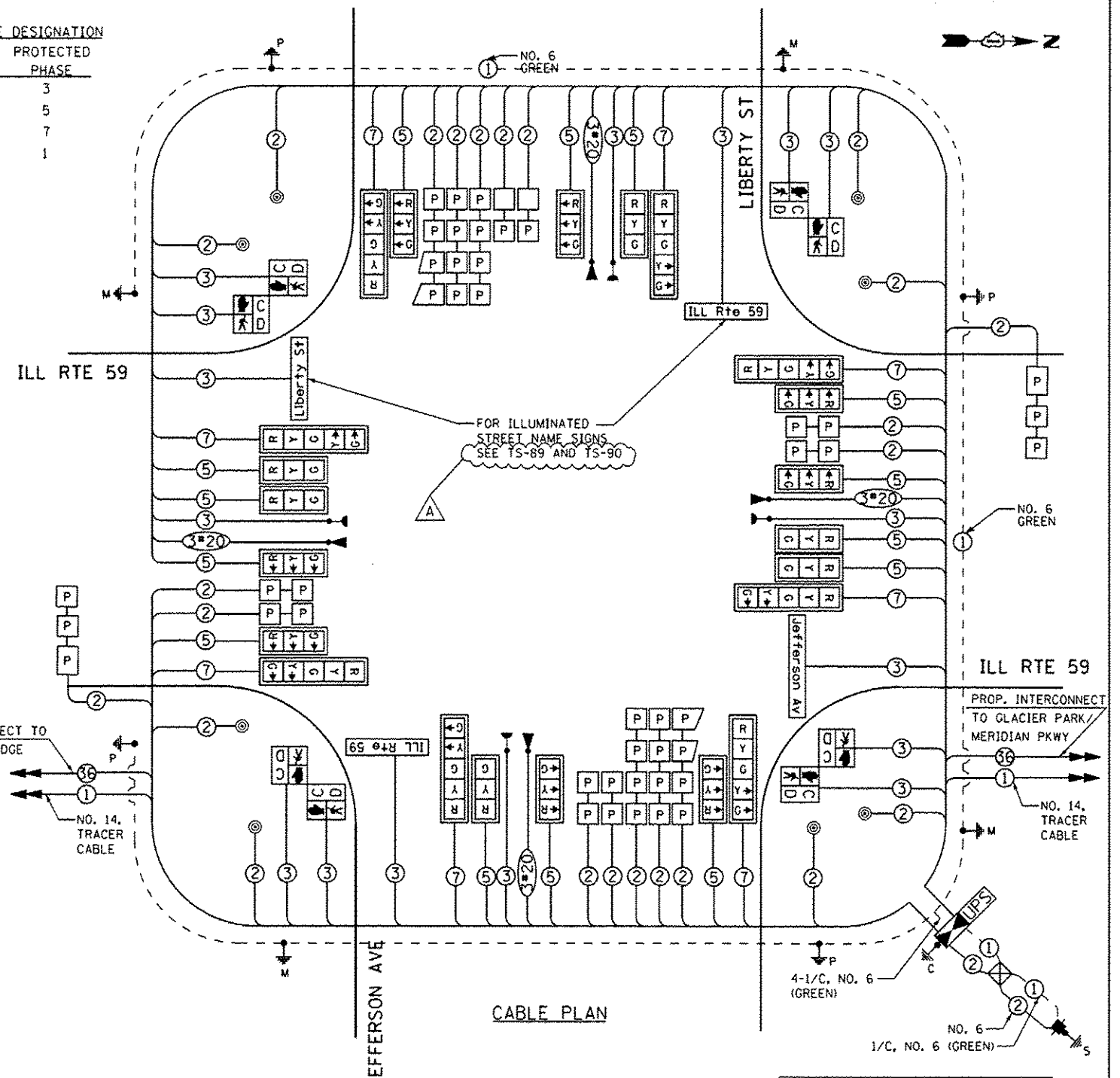
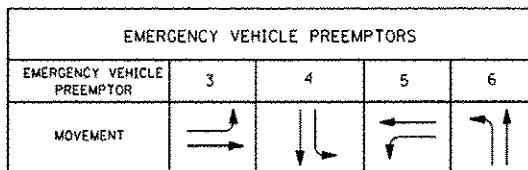
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN

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

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	22	135	17	0.50	187
(YELLOW)	22	135	25	0.25	138
(GREEN)	22	135	15	0.25	83
ARROW	16	135	12	0.10	20
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	4	90	0.50	0.50	180
TOTAL =					908

ENERGY COSTS- BILLED TO: IDOT DISTRICT 1
201 W. CENTER CT.
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
PHONE NAPERVILLE ELECTRIC DEPT.
630-420-6653

FILE NAME	USER NAME	DESIGNED	REVISED
K:\Projects\1098059\Design\Sheet Files\6	*USER*	DW	Addendum A 02/20/2013
		JDH	
		KMM	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 59 AND LIBERTY STREET/JEFFERSON AVE. - CABLE PLAN, SCHEDULE OF QUANTITIES, PHASE DESIGN. DIAGRAM & EVP SEQUENCE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N.T.S.	338	(112 & 113) WRS-7	DUPAGE	1,156	629
SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60R30	

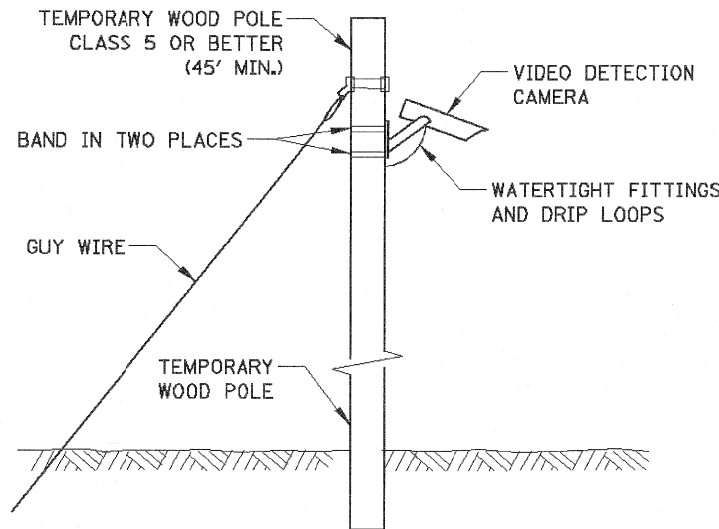
THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

ALL LOOPS WITHIN LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PERFORMED TYPE

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOG, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

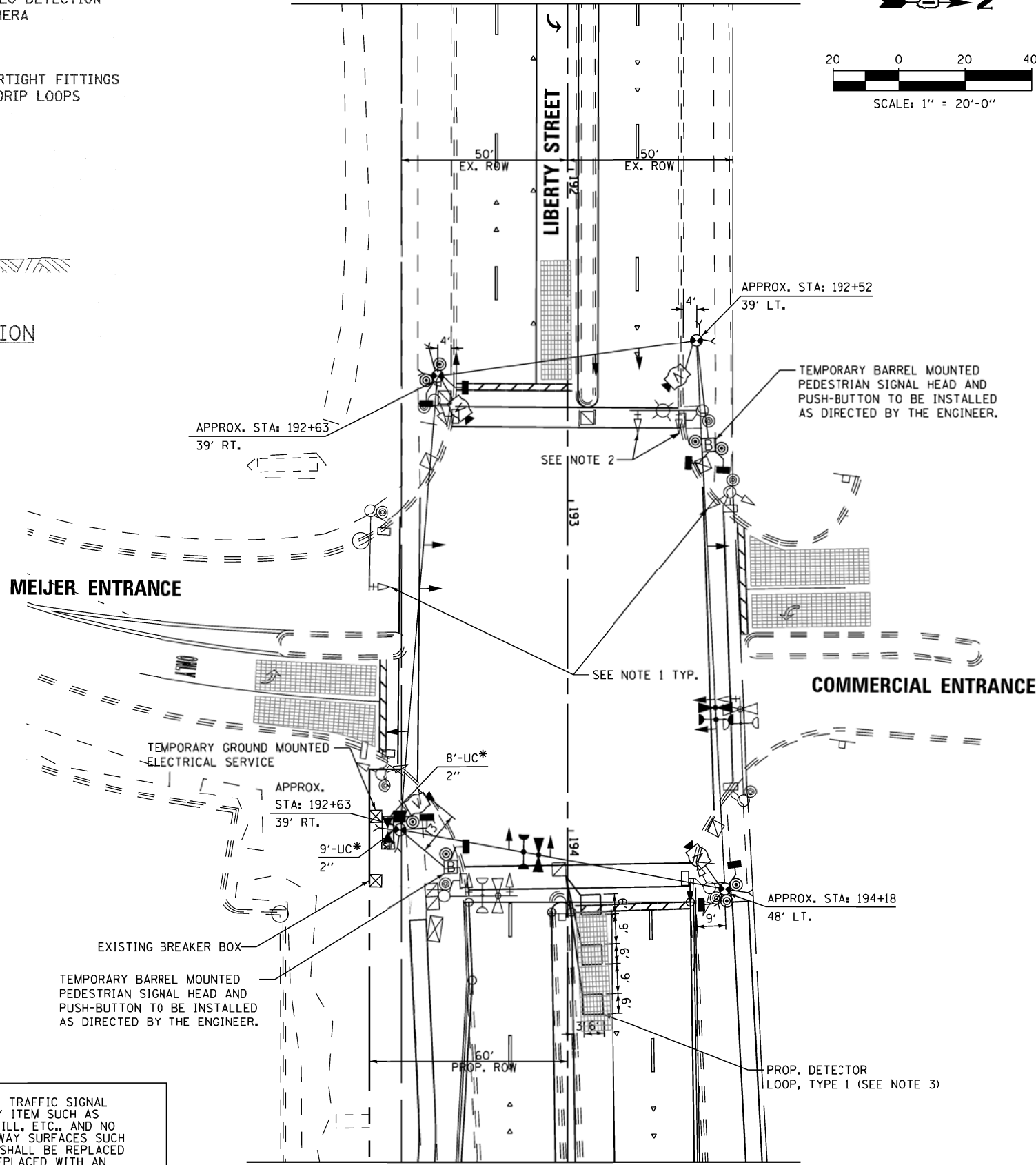
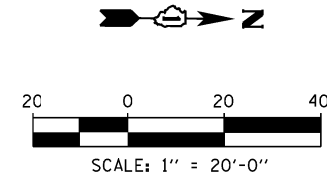
FOR COMBINATION POLE LIGHTING AND WIRING SEE ROADWAY LIGHTING PLANS SHEET 3 OF 15, TS-94 AND TS-96.

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

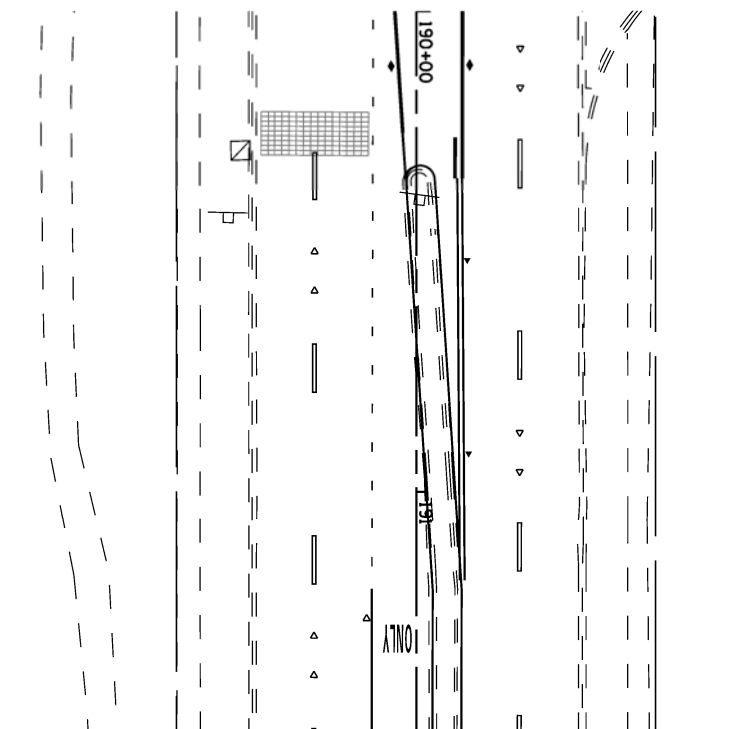


TEMPORARY VIDEO DETECTION MOUNTING DETAIL (NOT TO SCALE)

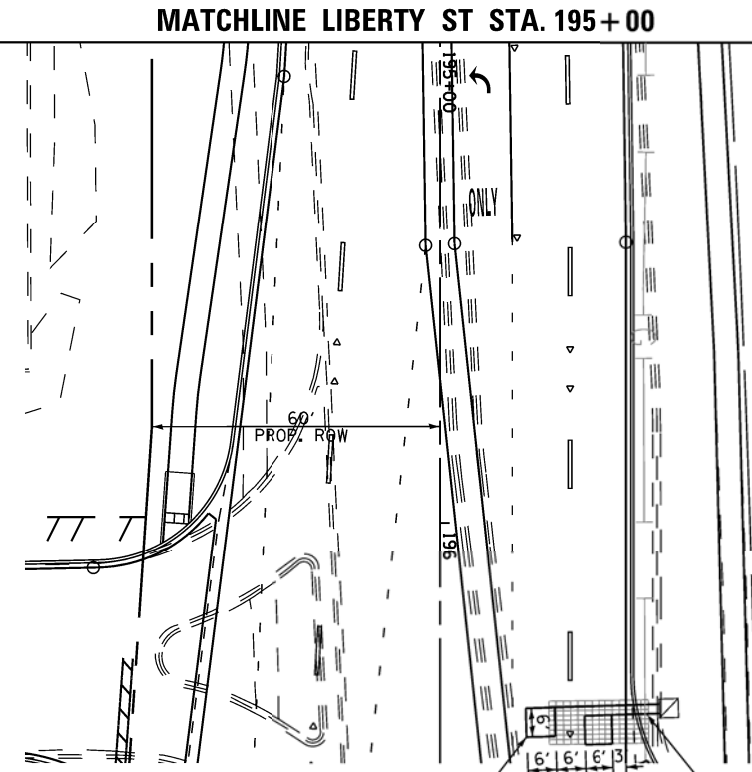
MATCHLINE LIBERTY ST STA. 191+50



MATCHLINE LIBERTY ST STA. 195+00



MATCHLINE LIBERTY ST STA. 191+50



PROP. DETECTOR LOOP, TYPE 1 (SEE NOTE 3) (2) 1" CNC

* THE COST FOR THE 2" CONDUIT AND THE TEMPORARY GROUND MOUNTED ELECTRICAL SERVICE SHALL BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

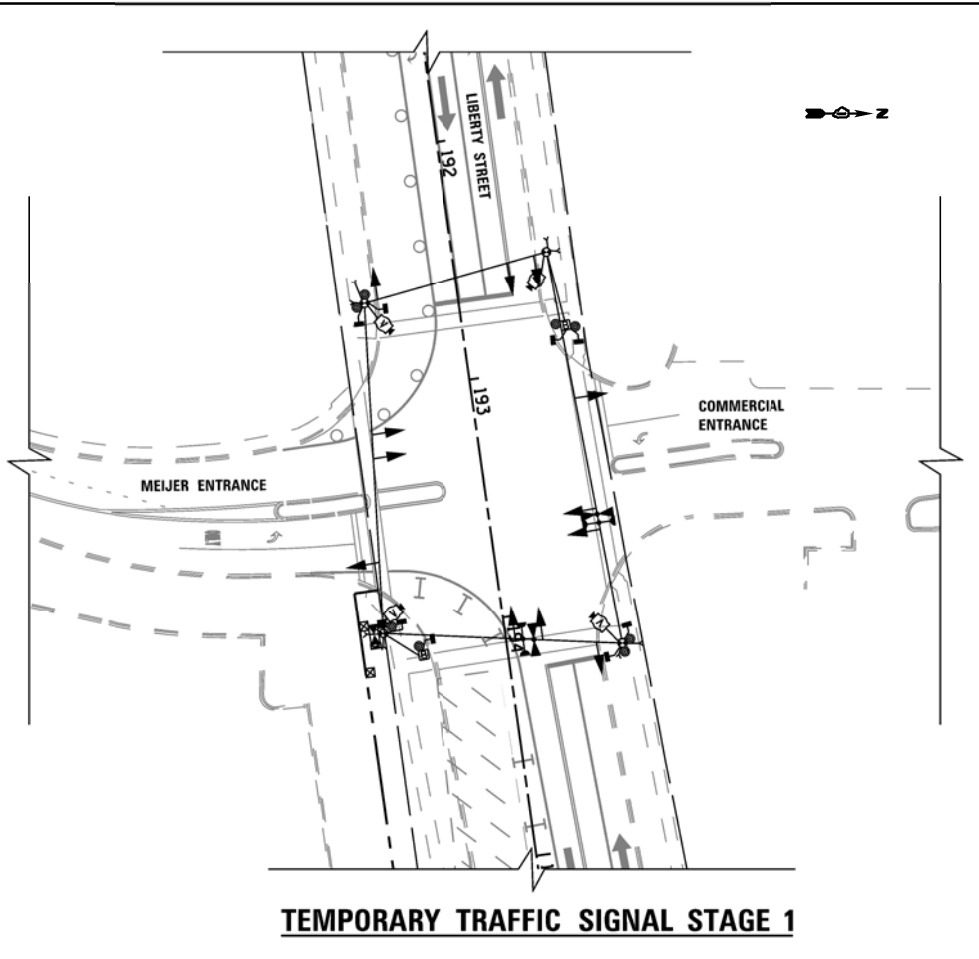
NOTES:

1. ALL EXISTING SIGNAL HEADS SHALL BE BAGGED WHILE TEMPORARY TRAFFIC SIGNAL IS IN OPERATION.
2. EXISTING HEADS TO BE REMOVED AFTER ACTIVATION OF THE TEMPORARY TRAFFIC SIGNAL, STORED BY THE CONTRACTOR, AND RE-INSTALLED PRIOR TO DE-ACTIVATION OF THE TEMPORARY TRAFFIC SIGNALS.
3. PROPOSED DETECTOR LOOPS TO BE SPliced TO EXISTING LEAD-IN CABLE. LOOPS SHALL BE INSTALLED IN THE BINDER COURSE FOR THE PROPOSED PAVEMENT.

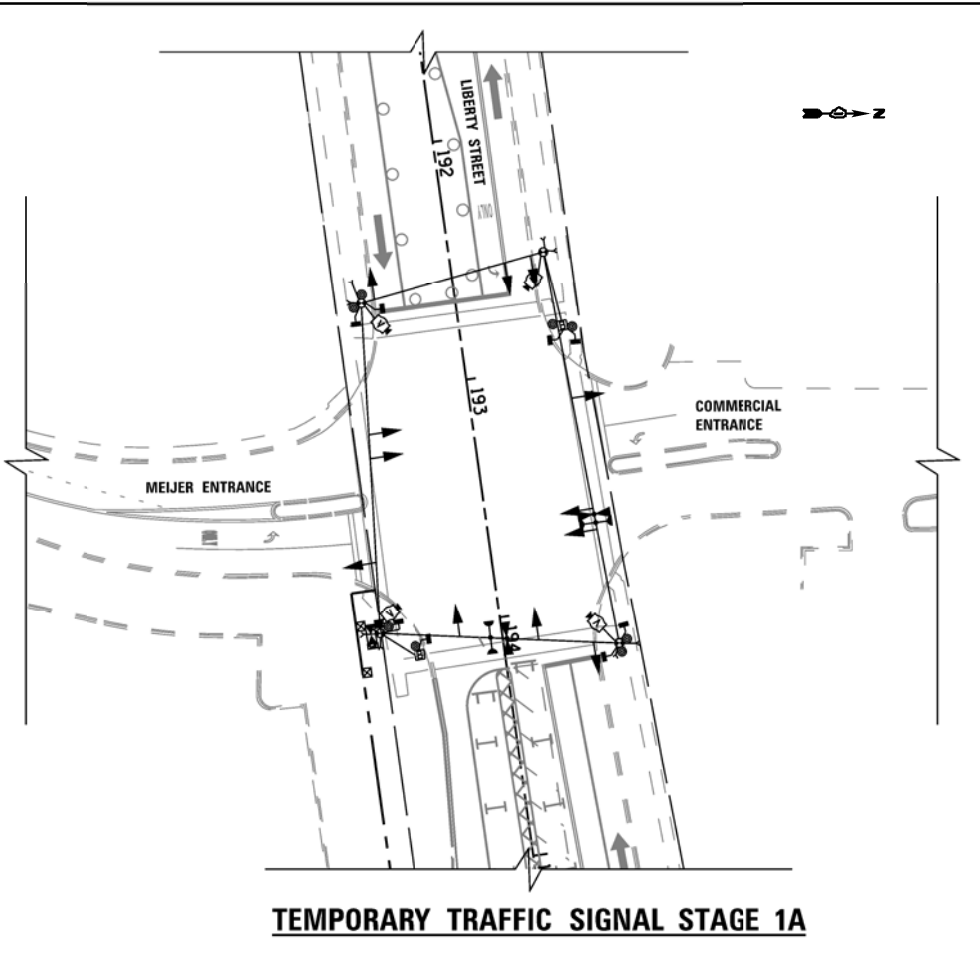
THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.

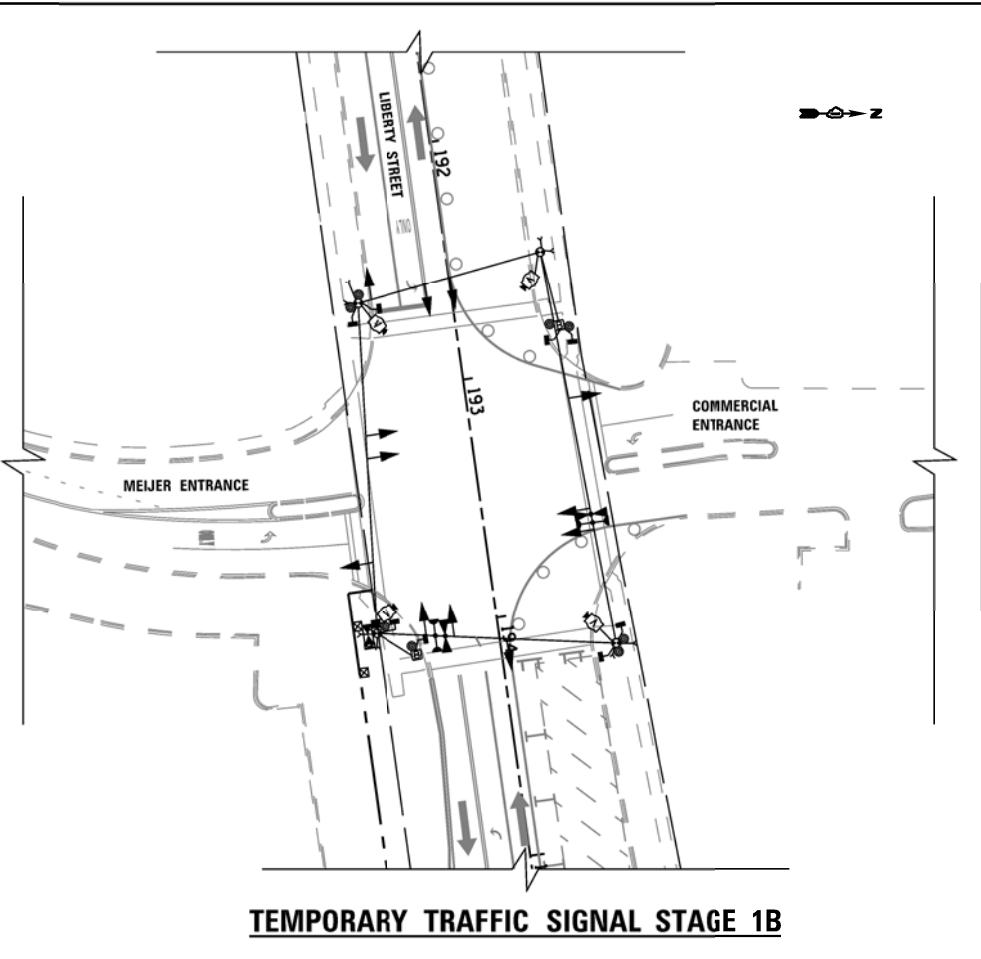
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PLOT SCALE = #SCALE#	CHECKED - KMM	REVISED -	SCALE: 1"=20'			SHEET NO. 1 OF 3 SHEETS	STA. TO STA.	TS-38		CONTRACT NO. 60R30	
PLOT DATE = 12/6/2012	DATE -	REVISED -	ILLINOIS FED. AID PROJECT								



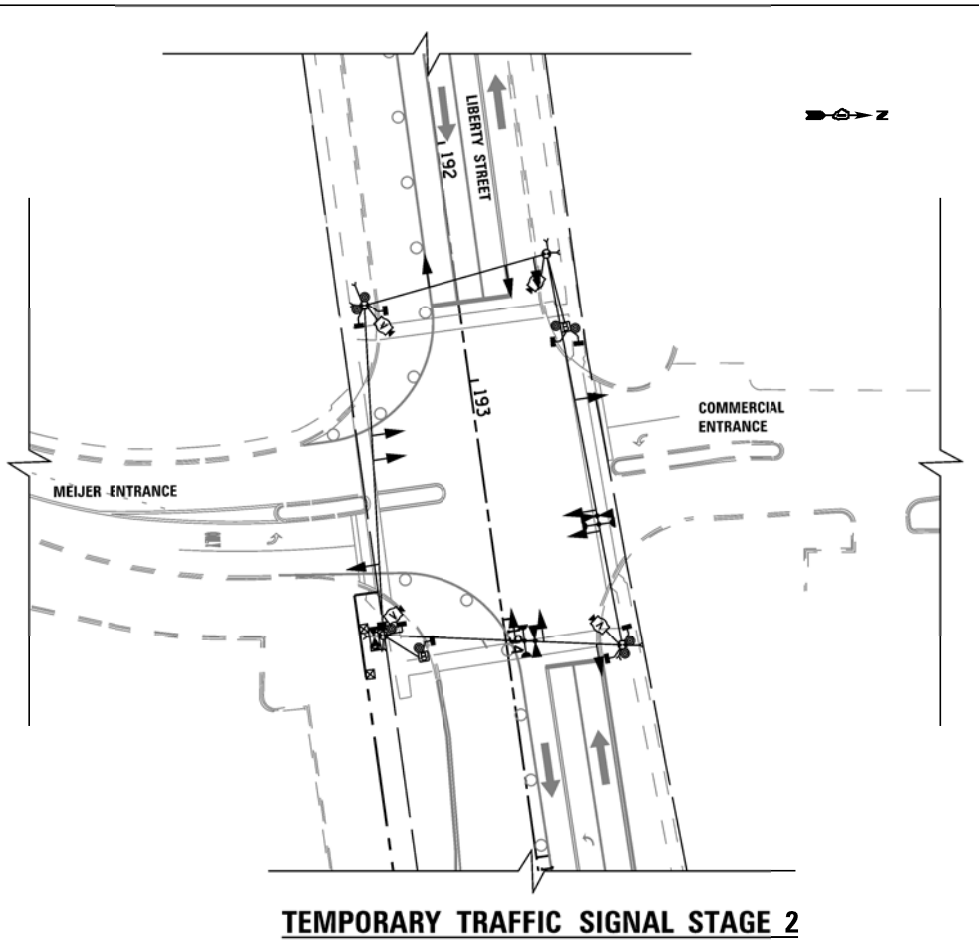
TEMPORARY TRAFFIC SIGNAL STAGE 1



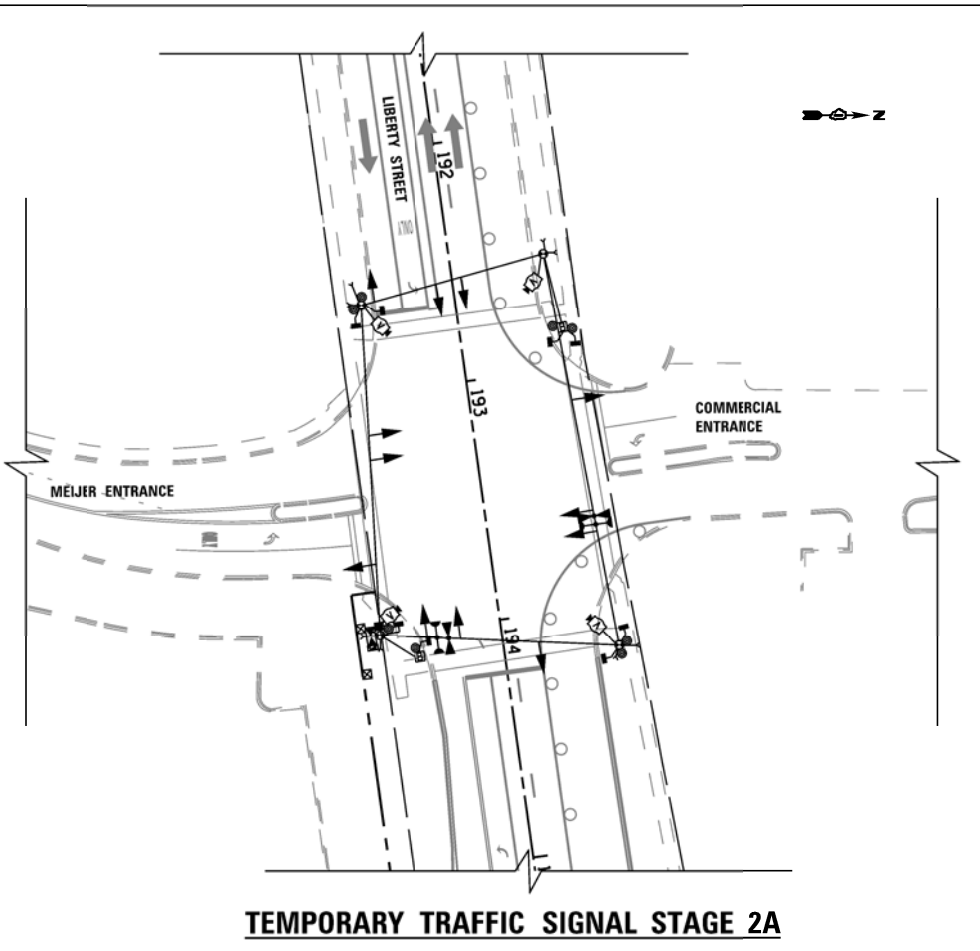
TEMPORARY TRAFFIC SIGNAL STAGE 1A



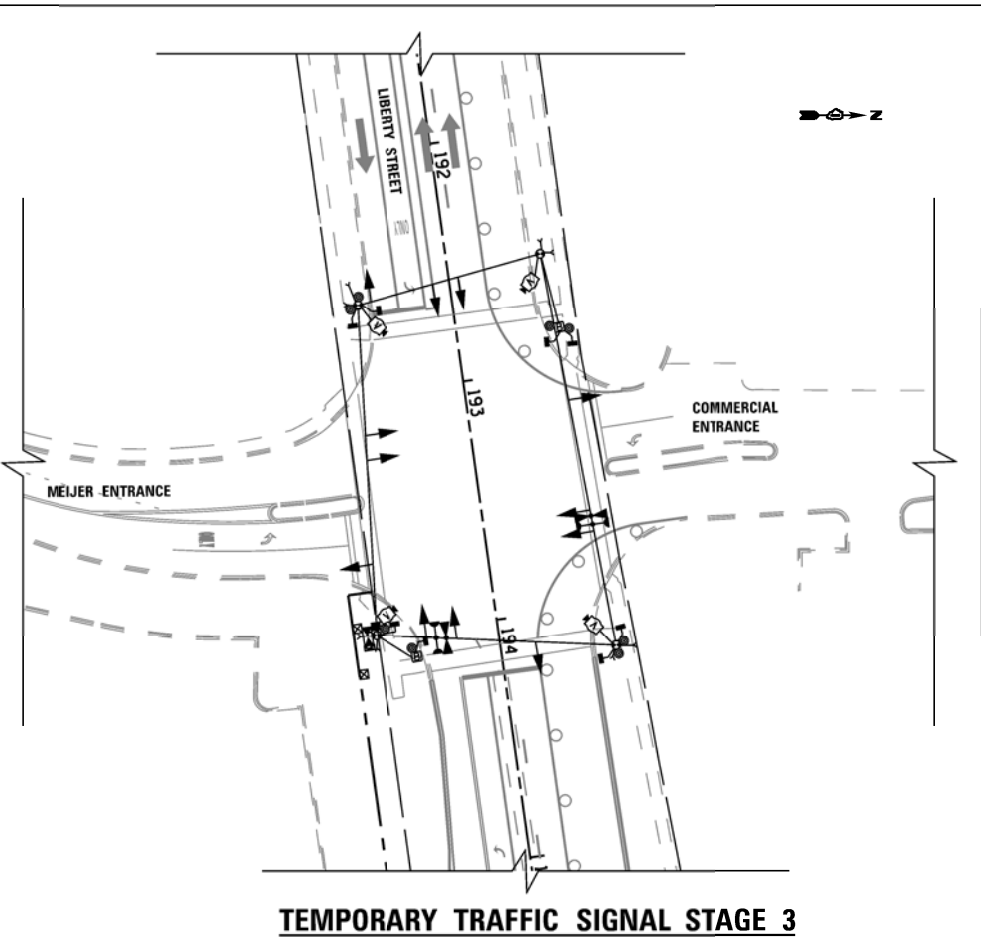
TEMPORARY TRAFFIC SIGNAL STAGE 1B



TEMPORARY TRAFFIC SIGNAL STAGE 2

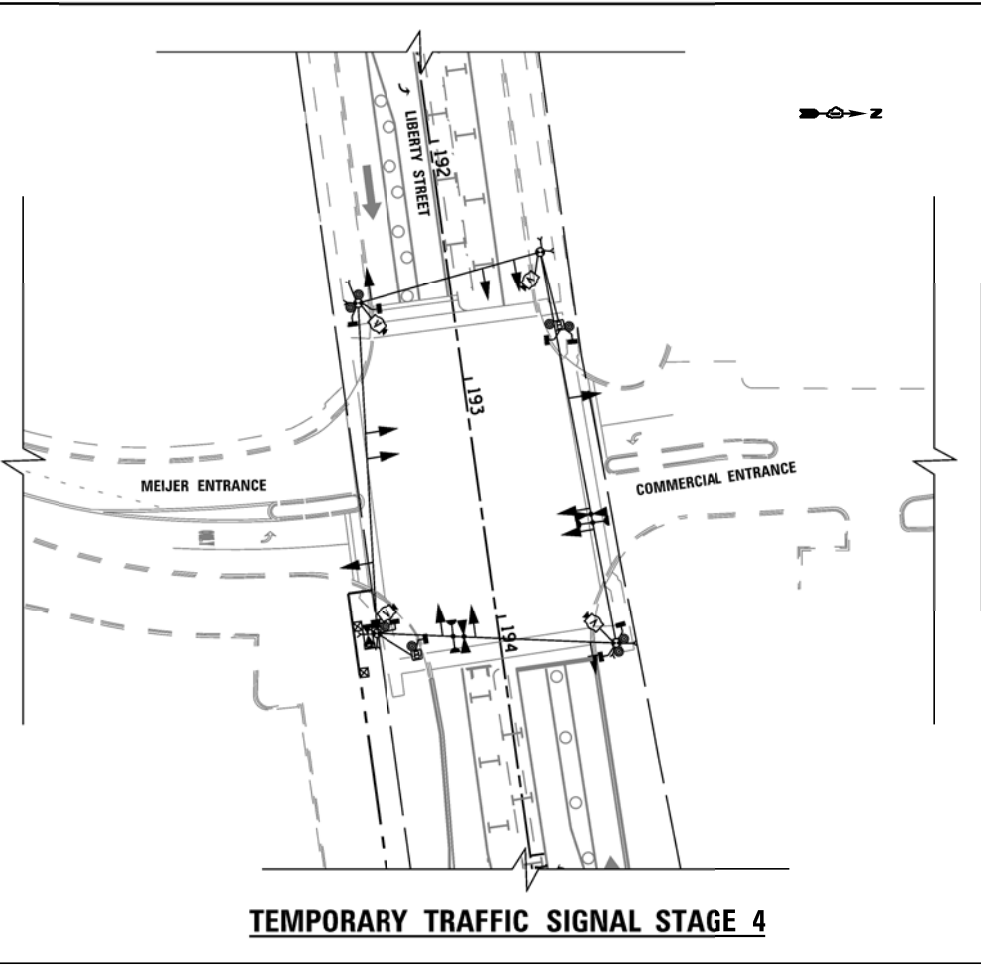
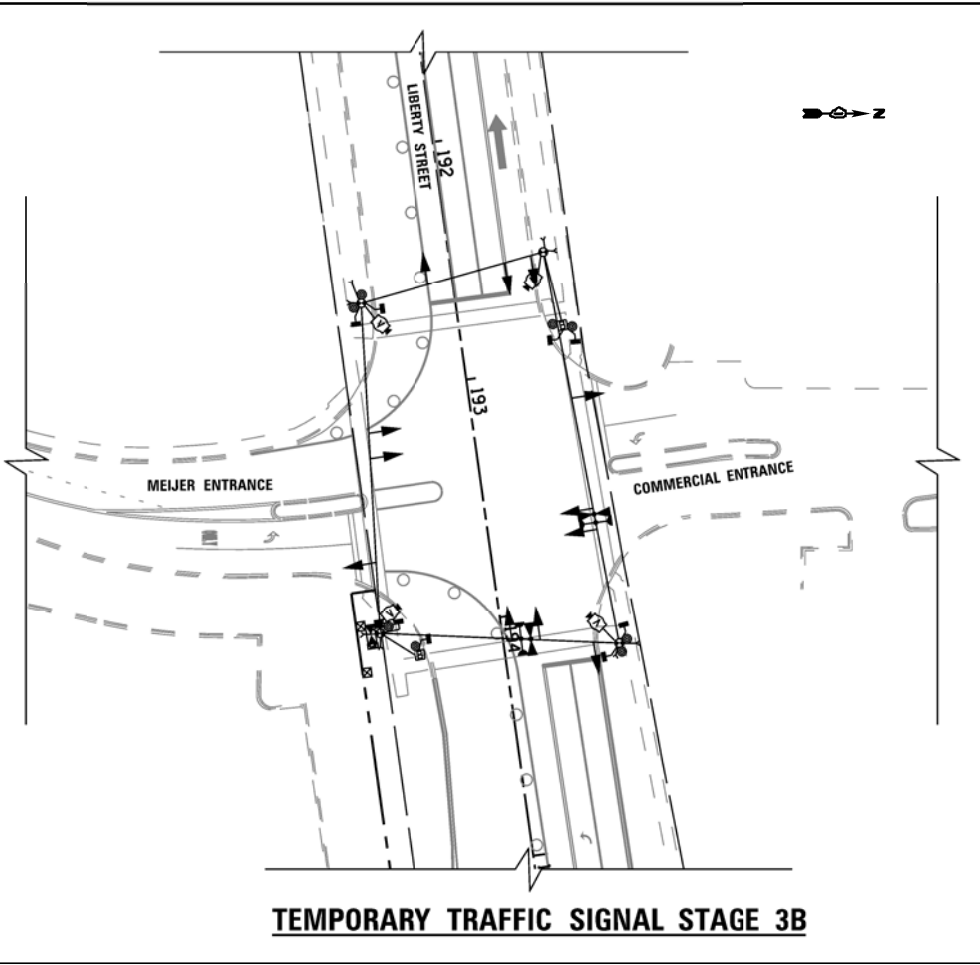
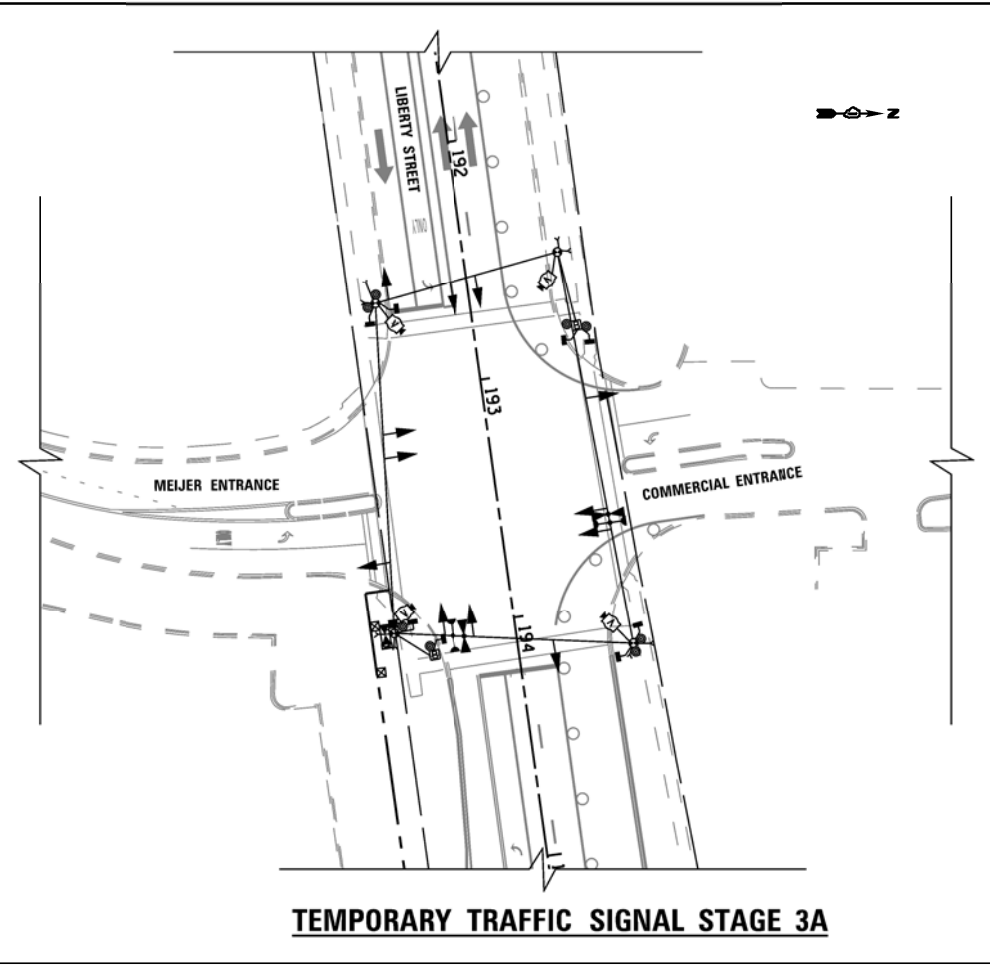


TEMPORARY TRAFFIC SIGNAL STAGE 2A



TEMPORARY TRAFFIC SIGNAL STAGE 3

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	PLOT DATE = 12/6/2012	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



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	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
 MOT STAGING PLAN (2 OF 2)
 LIBERTY ST AT MEIJER ENTRANCE/COMMERCIAL ENTRANCE**

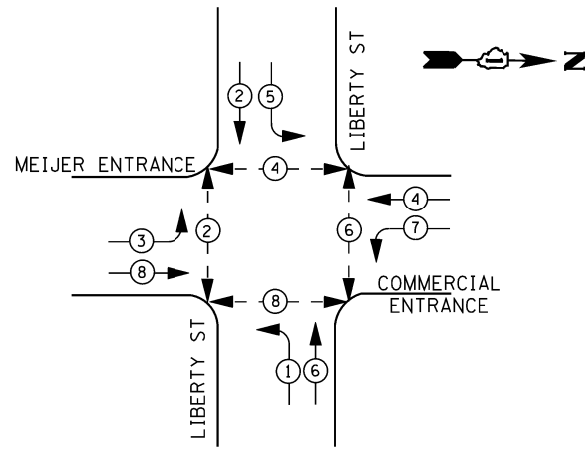
SCALE: NTS SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	632
TS-40			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				

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 RAILROAD INTERSECTIONS. 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, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM 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.

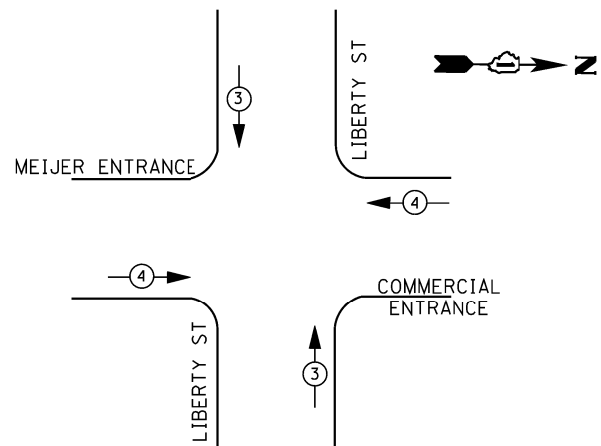
TEMPORARY CONTROLLER SEQUENCE



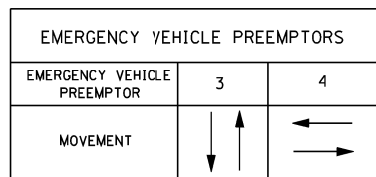
LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
204	FOOT	DETECTOR LOOP, TYPE I
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING

ALL PEDESTRIAN HEADS SHALL BE BAGGED AND DISCONNECTED AT LOCATIONS WHERE EXISTING PAVEMENT IS REMOVED. ALL PEDESTRIAN SIGNAL HEADS SHALL REMAIN BAGGED UNTIL THE PAVEMENT IS RESTORED TO PROVIDE A SAFE CROSSING AREA. USAGE OF PEDESTRIAN SIGNALS IS BASED ON CONSTRUCTION STAGING AND SHALL BE DETERMINED BY THE RESIDENT ENGINEER. IF SIDEWALKS AND PEDESTRIAN CROSSINGS ARE NOT PROVIDED, THE PEDESTRIAN SIGNAL EQUIPMENT SHALL REMAIN DISCONNECTED UNTIL WARRANTED PRIOR TO THE PERMANENT SIGNAL TURN-ON.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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 SEEDD IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	16	135	12	0.10	19
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	--
VIDEO SYSTEM	1	150	-	1.00	150
FLASHER LED					
TOTAL =					691

ENERGY COSTS- BILLED TO: CITY OF AURORA
 44 EAST DOWNERS PLACE
 AURORA, IL 60507
 ENERGY SUPPLY - CONTACT JOE STACHO
 PHONE 630-424-5704

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LIBERTY STREET AND MEIJER ENTRANCE/COMMERCIAL ENTRANCE
 TEMPORARY CABLE PLAN & TEMPORARY PHASE DESIGNATION DIAGRAM

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	633
TS-41		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				

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
 4 EACH LIGHT DETECTOR AND BEACON
 1 EACH LIGHT DETECTOR AMPLIFIER

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT (CONT'D)

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.

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

INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION

LEFT ON GREEN ARROW ONLY

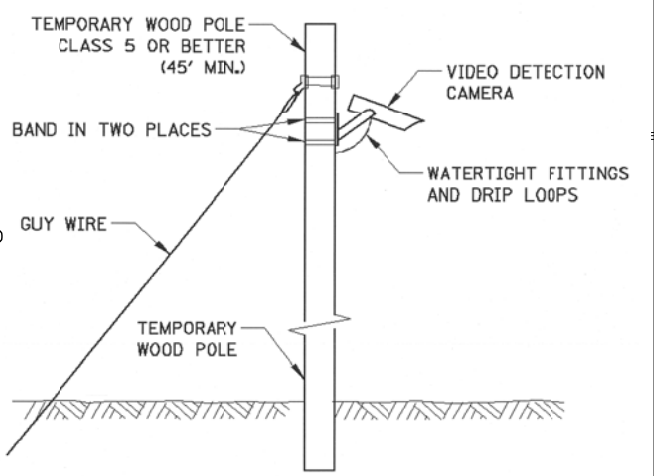
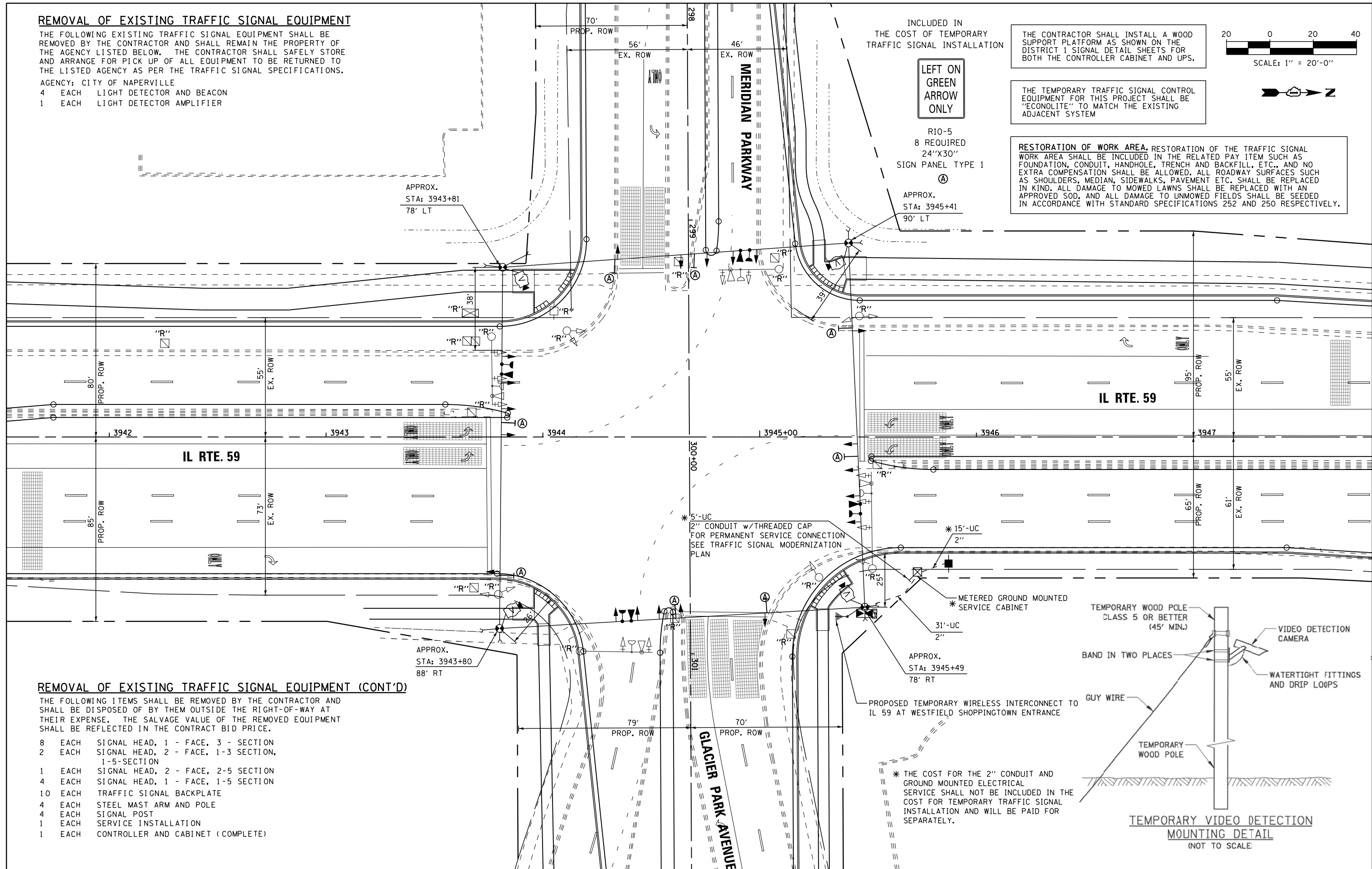
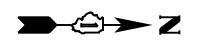
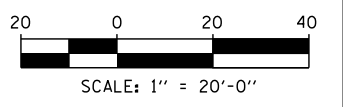
R10-5
 8 REQUIRED
 24"x30"
 SIGN PANEL TYPE 1

APPROX. STA: 3945+41
 90' LT

THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

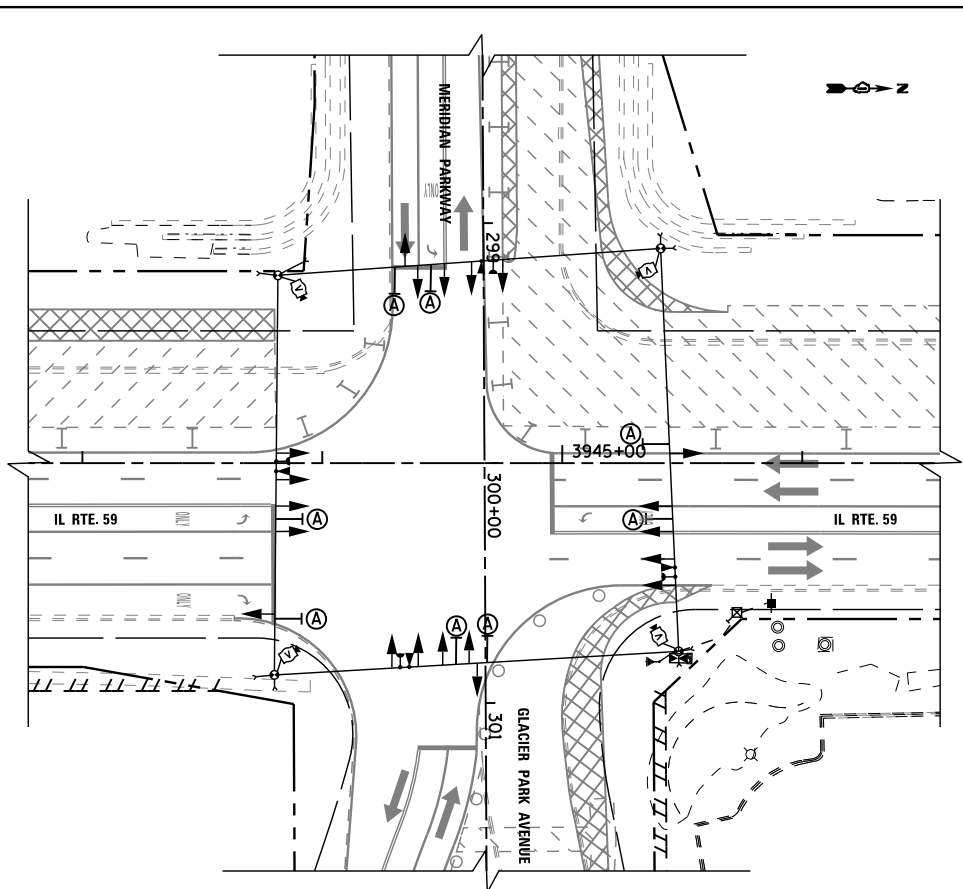
THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.

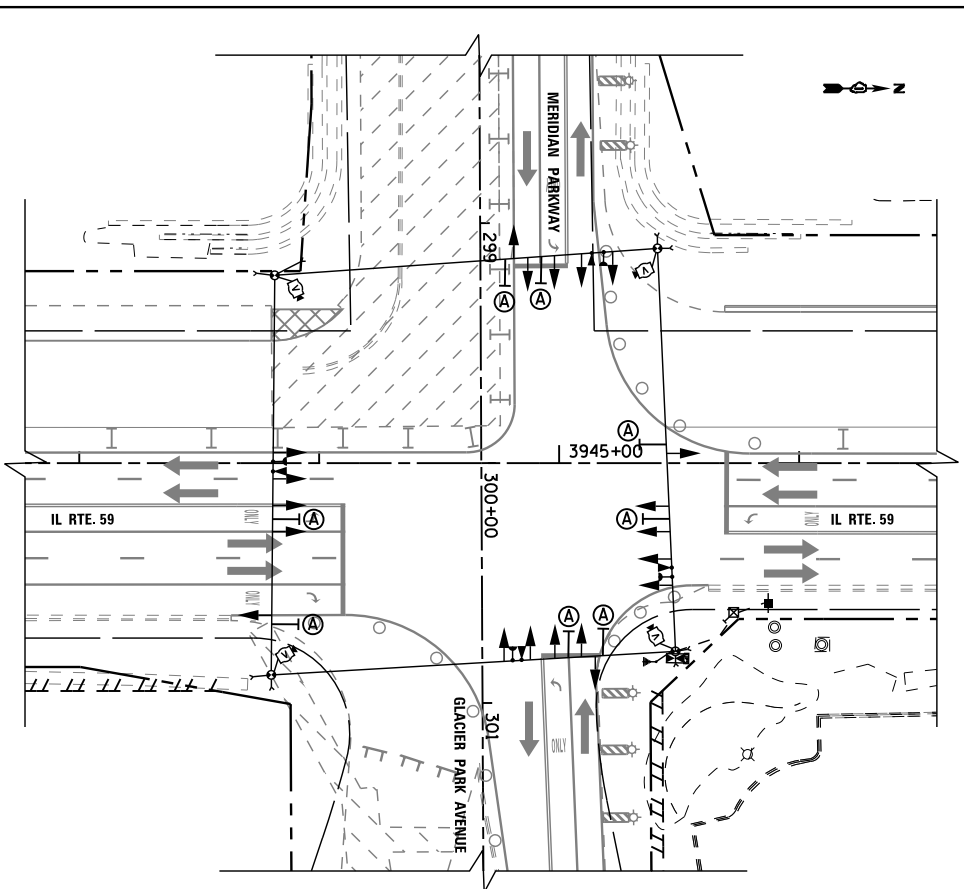


* THE COST FOR THE 2" CONDUIT AND GROUND MOUNTED ELECTRICAL SERVICE SHALL NOT BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION AND WILL BE PAID FOR SEPARATELY.

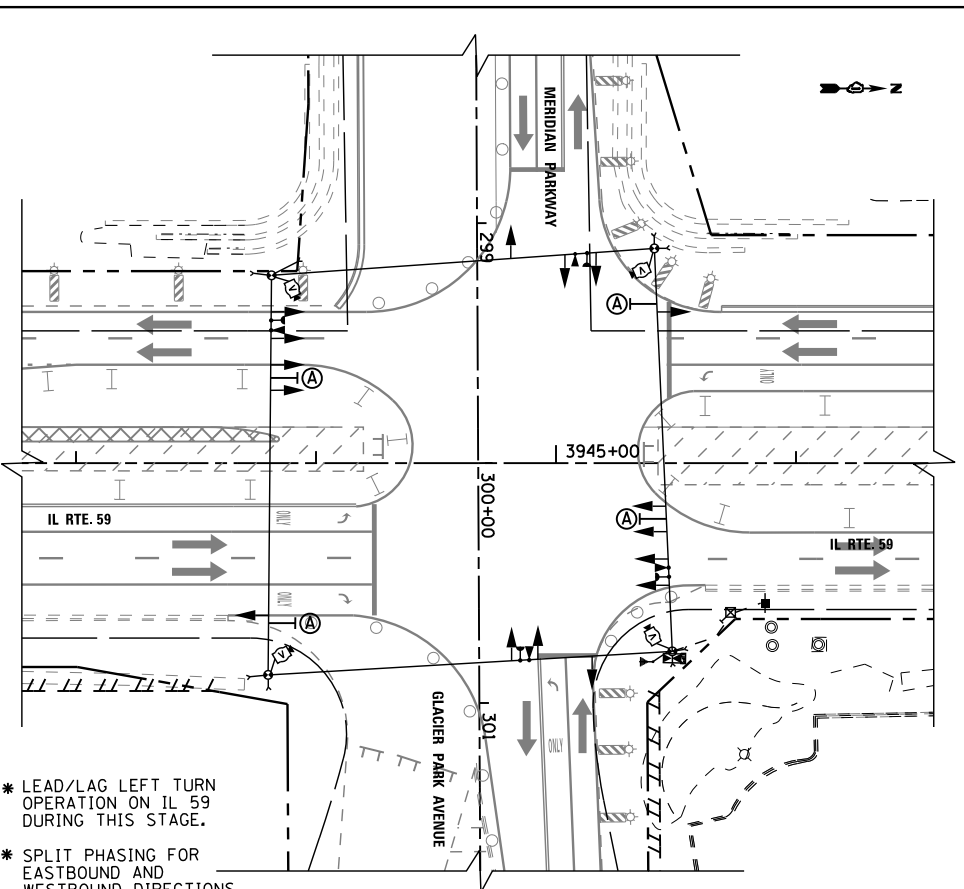
FILE NAME =	USER NAME = \$USER\$	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION & REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN IL RTE 59 AT MERIDIAN PKWY / GLACIER PARK AV	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
K:\Projects\090059\Design\Sheet Files\679r\wa59tempMGI.dgn		DRAWN - JDH	REVISED -			338	(112 & 113) WRS-7	DUPAGE	1156	634
		CHECKED - KMM	REVISED -			TS- 42		CONTRACT NO. 60R30		
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



TEMPORARY TRAFFIC SIGNAL STAGE 1

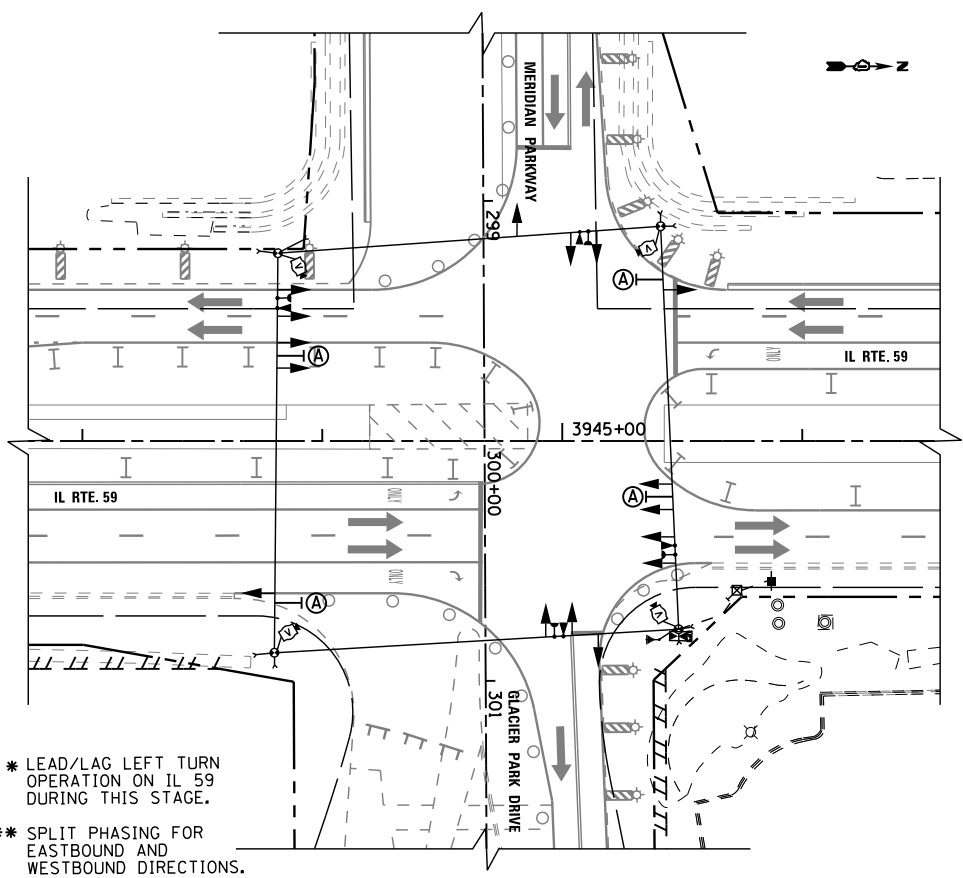


TEMPORARY TRAFFIC SIGNAL STAGE 1A



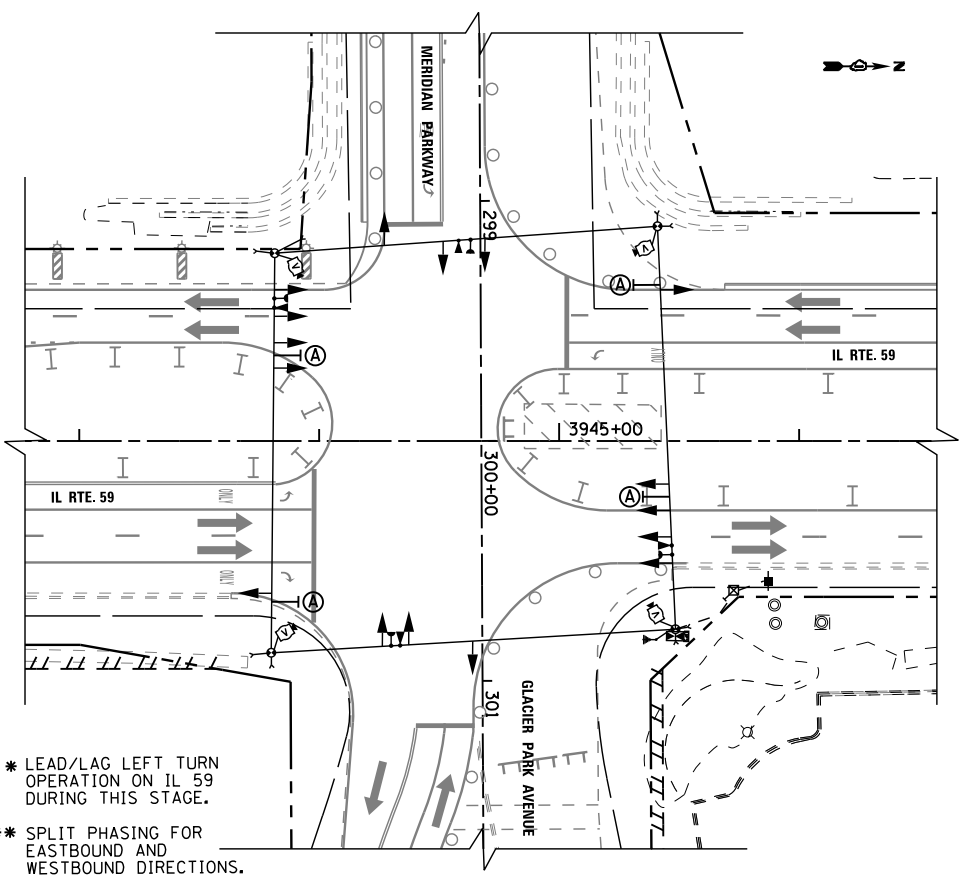
TEMPORARY TRAFFIC SIGNAL STAGE 2

* LEAD/LAG LEFT TURN OPERATION ON IL 59 DURING THIS STAGE.
 ** SPLIT PHASING FOR EASTBOUND AND WESTBOUND DIRECTIONS.



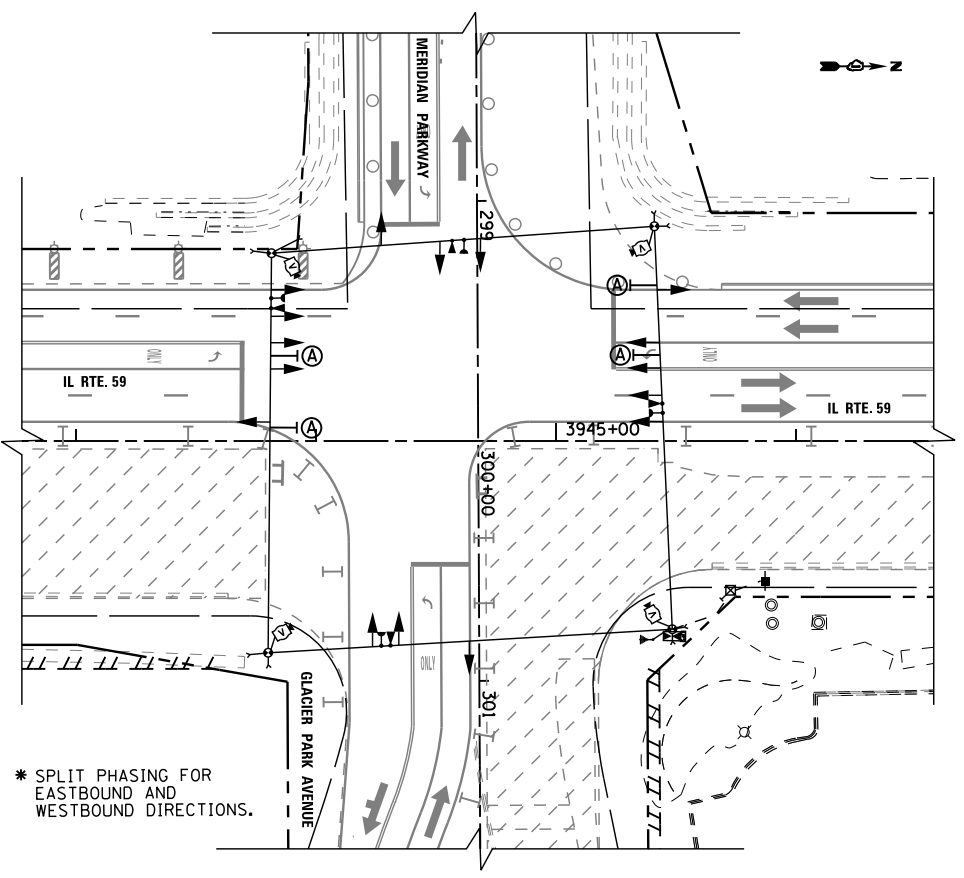
TEMPORARY TRAFFIC SIGNAL STAGE 2A

* LEAD/LAG LEFT TURN OPERATION ON IL 59 DURING THIS STAGE.
 ** SPLIT PHASING FOR EASTBOUND AND WESTBOUND DIRECTIONS.



TEMPORARY TRAFFIC SIGNAL STAGE 2B

* LEAD/LAG LEFT TURN OPERATION ON IL 59 DURING THIS STAGE.
 ** SPLIT PHASING FOR EASTBOUND AND WESTBOUND DIRECTIONS.



TEMPORARY TRAFFIC SIGNAL STAGE 3

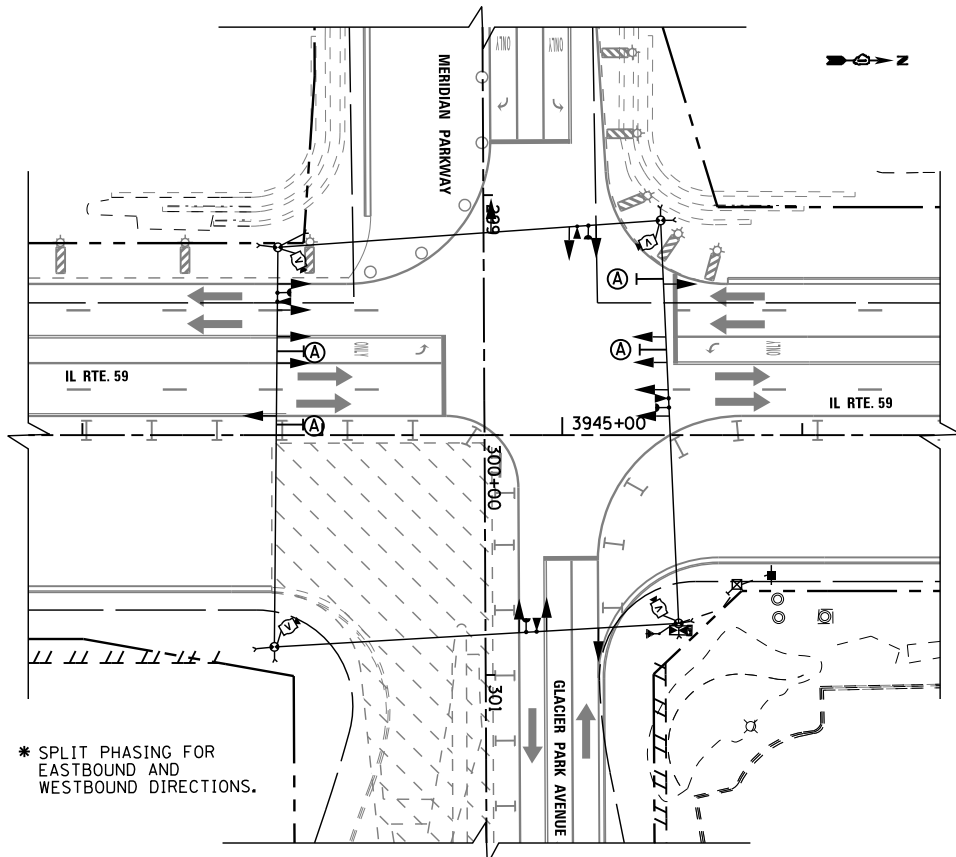
* SPLIT PHASING FOR EASTBOUND AND WESTBOUND DIRECTIONS.

FILE NAME =	USER NAME = \$USER\$	DESIGNED - DW	REVISED -
K:\Projects\090059\Design\Sheet Files\679rwa59tempM2.dgn		DRAWN - JDH	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED - KMM	REVISED -
	PLOT DATE = 12/6/2012	DATE -	REVISED -

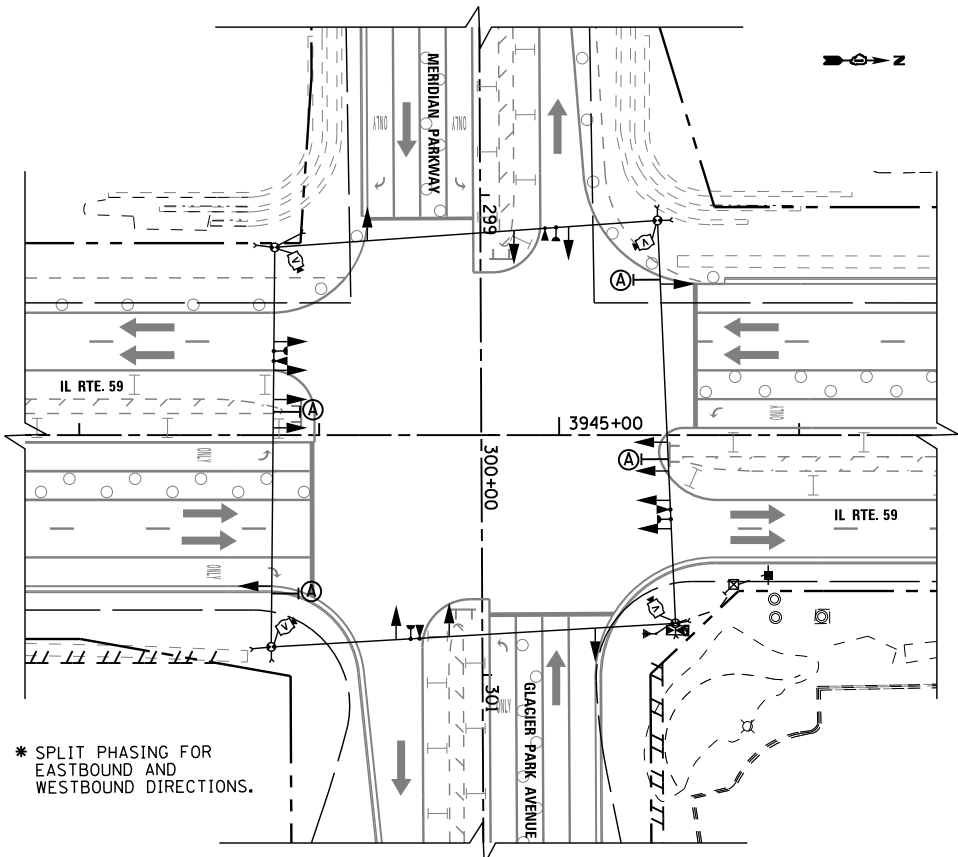
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
 MOT STAGING PLAN (1 OF 2)
 IL RTE 59 AT MERIDIAN PKWY / GLACIER PARK AV
 SCALE: NTS SHEET NO. 2 OF 3 SHEETS STA. TO STA.

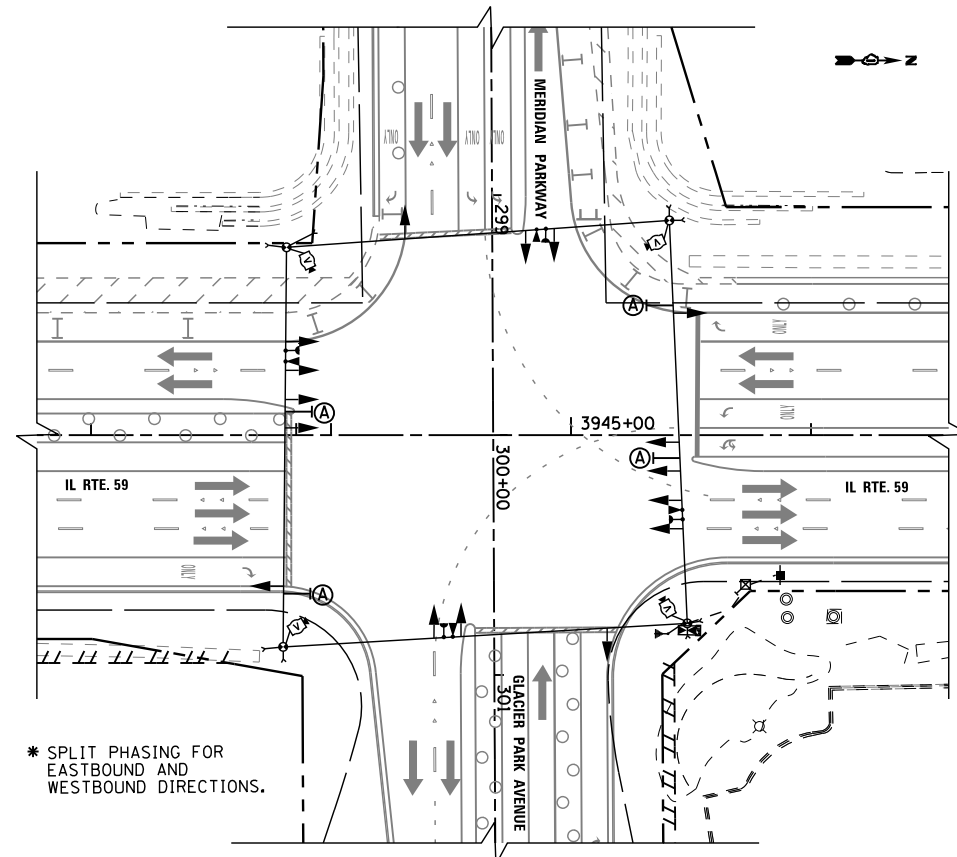
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	635
TS-43		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				



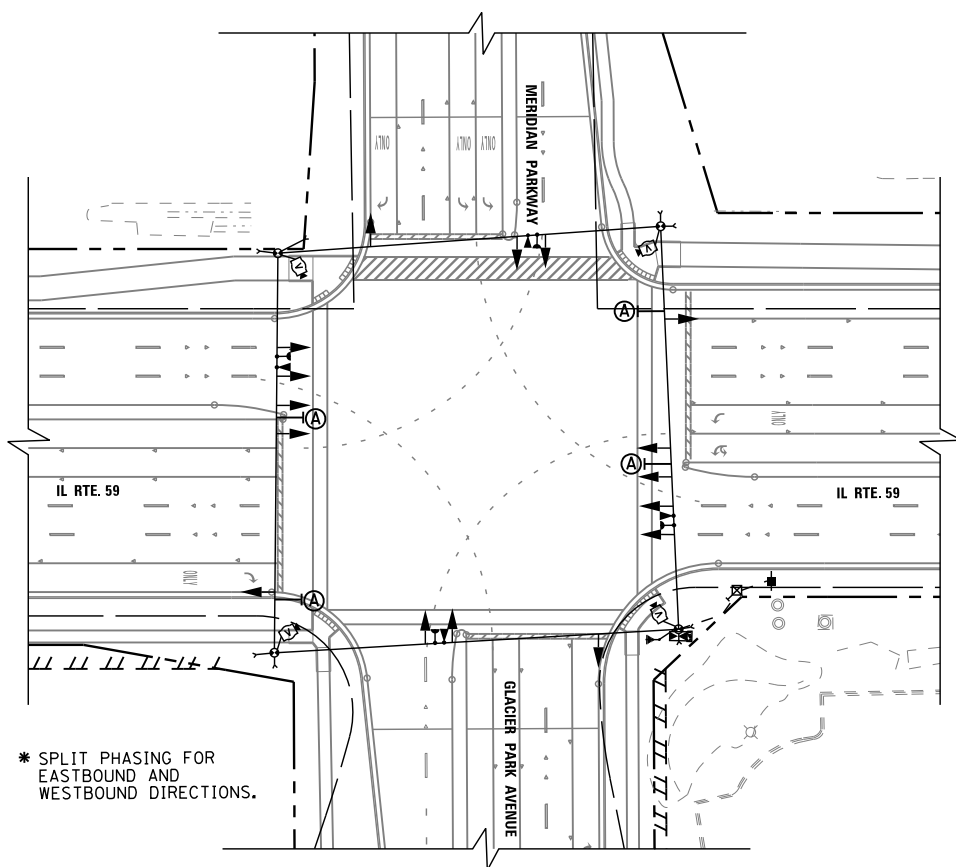
TEMPORARY TRAFFIC SIGNAL STAGE 3A



TEMPORARY TRAFFIC SIGNAL STAGE 4



TEMPORARY TRAFFIC SIGNAL STAGE 4A



TEMPORARY TRAFFIC SIGNAL FINAL CONDITION

FILE NAME = K:\Projects\090059\Design\Sheet Files\679rwa59tempMG3.dgn	USER NAME = \$USER\$	DESIGNED - DW	REVISED -
		DRAWN - JDH	REVISED -
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	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

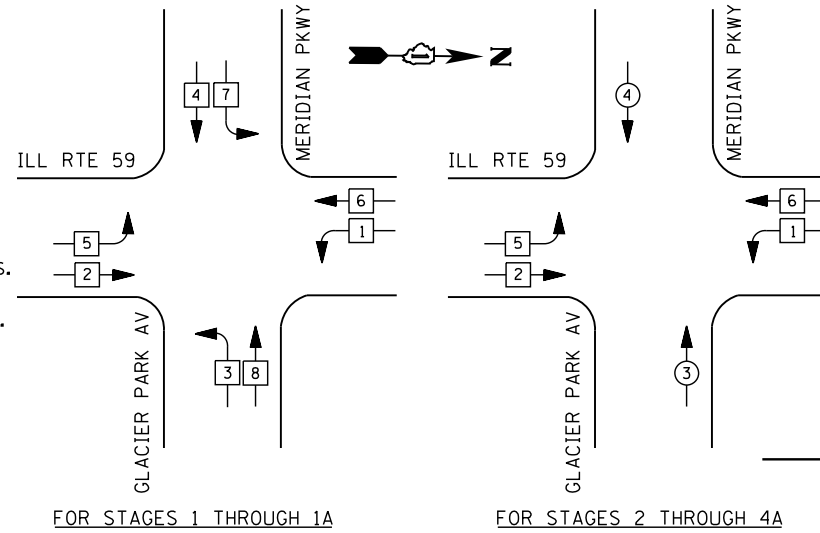
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
 MOT STAGING PLAN (2 OF 2)
 IL RTE 59 AT MERIDIAN PKWY / GLACIER PARK AV**
 SCALE: NTS SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	636
TS- 44			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				

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 RAILROAD INTERSECTIONS. 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, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM 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.

TEMPORARY CONTROLLER SEQUENCE

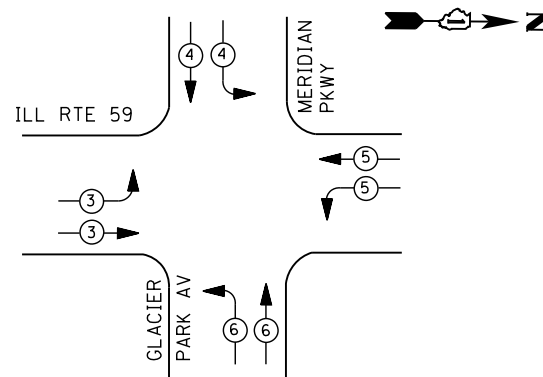


NOTE: LEAD/LAG OPERATION FOR PHASES 1 AND 5 DURING MOT STAGES 2, 2A & 2B

LEGEND

- ← * → DUAL ENTRY PHASE
- ← * → PEDESTRIAN PHASE
- ← * → SINGLE ENTRY PHASE
- ← * → OL OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	→	↓	←	↑

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	20	135	17	0.50	170
(YELLOW)	20	135	25	0.25	125
(GREEN)	20	135	15	0.25	75
CONTROLLER	1	100	100	1.00	100
VIDEO SYSTEM	1	150	-	1.00	150
TOTAL =					620

ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
 201 W. CENTER CT.
 SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
 PHONE NAPERVILLE ELECTRIC DEPT.
 630-420-6653

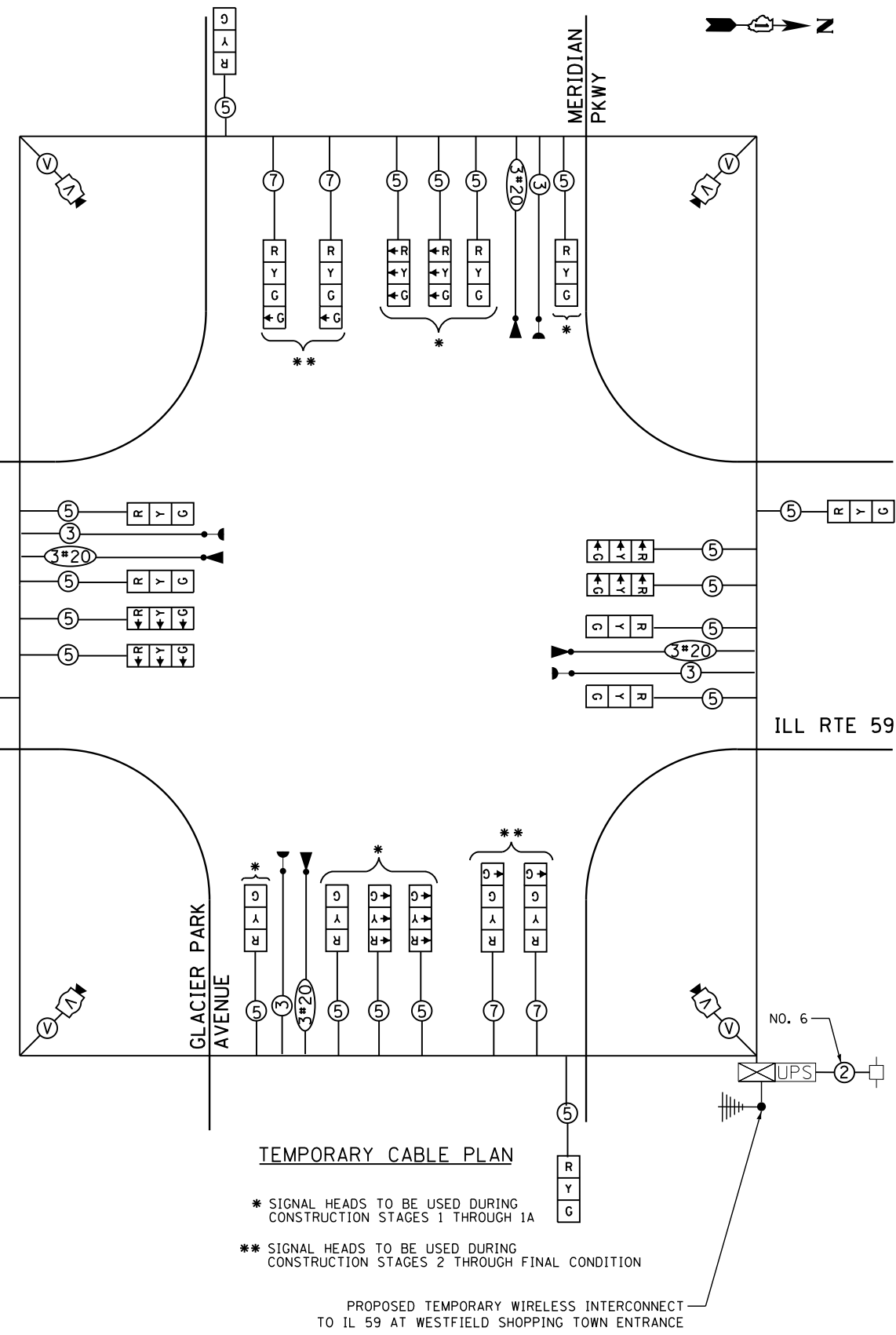
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		CHECKED - KMM	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ILL RTE 59 AND MERIDIAN PKWY/GLACIER PARK AV - TEMP. CABLE PLAN,
 TEMPORARY PHASE DESIGNATION DIAGRAM & EVP SEQUENCE

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	637
TS-45		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				



TEMPORARY CABLE PLAN

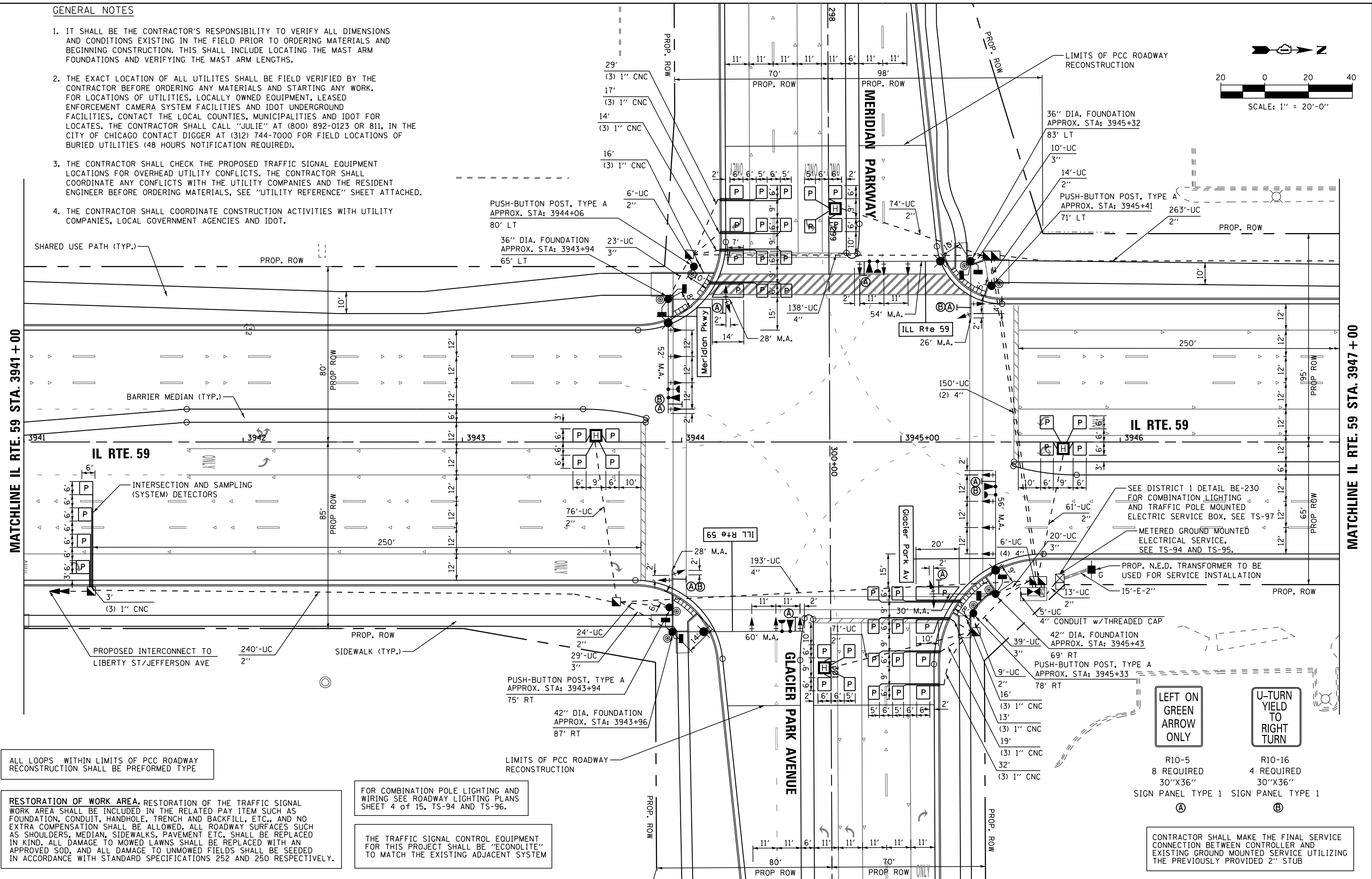
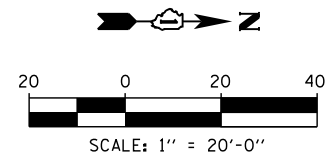
- * SIGNAL HEADS TO BE USED DURING CONSTRUCTION STAGES 1 THROUGH 1A
- ** SIGNAL HEADS TO BE USED DURING CONSTRUCTION STAGES 2 THROUGH FINAL CONDITION

PROPOSED TEMPORARY WIRELESS INTERCONNECT TO IL 59 AT WESTFIELD SHOPPING TOWN ENTRANCE

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

GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS, SEE "UTILITY REFERENCE" SHEET ATTACHED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.



ALL LOOPS WITHIN LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PREFORMED TYPE

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.

FOR COMBINATION POLE LIGHTING AND WIRING SEE ROADWAY LIGHTING PLANS SHEET 4 of 15, TS-94 AND TS-96.

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

LEFT ON GREEN ARROW ONLY
 R10-5
 8 REQUIRED
 30"X36"
 SIGN PANEL TYPE 1

U-TURN YIELD TO RIGHT TURN
 R10-16
 4 REQUIRED
 30"X36"
 SIGN PANEL TYPE 1

CONTRACTOR SHALL MAKE THE FINAL SERVICE CONNECTION BETWEEN CONTROLLER AND EXISTING GROUND MOUNTED SERVICE UTILIZING THE PREVIOUSLY PROVIDED 2" STUB

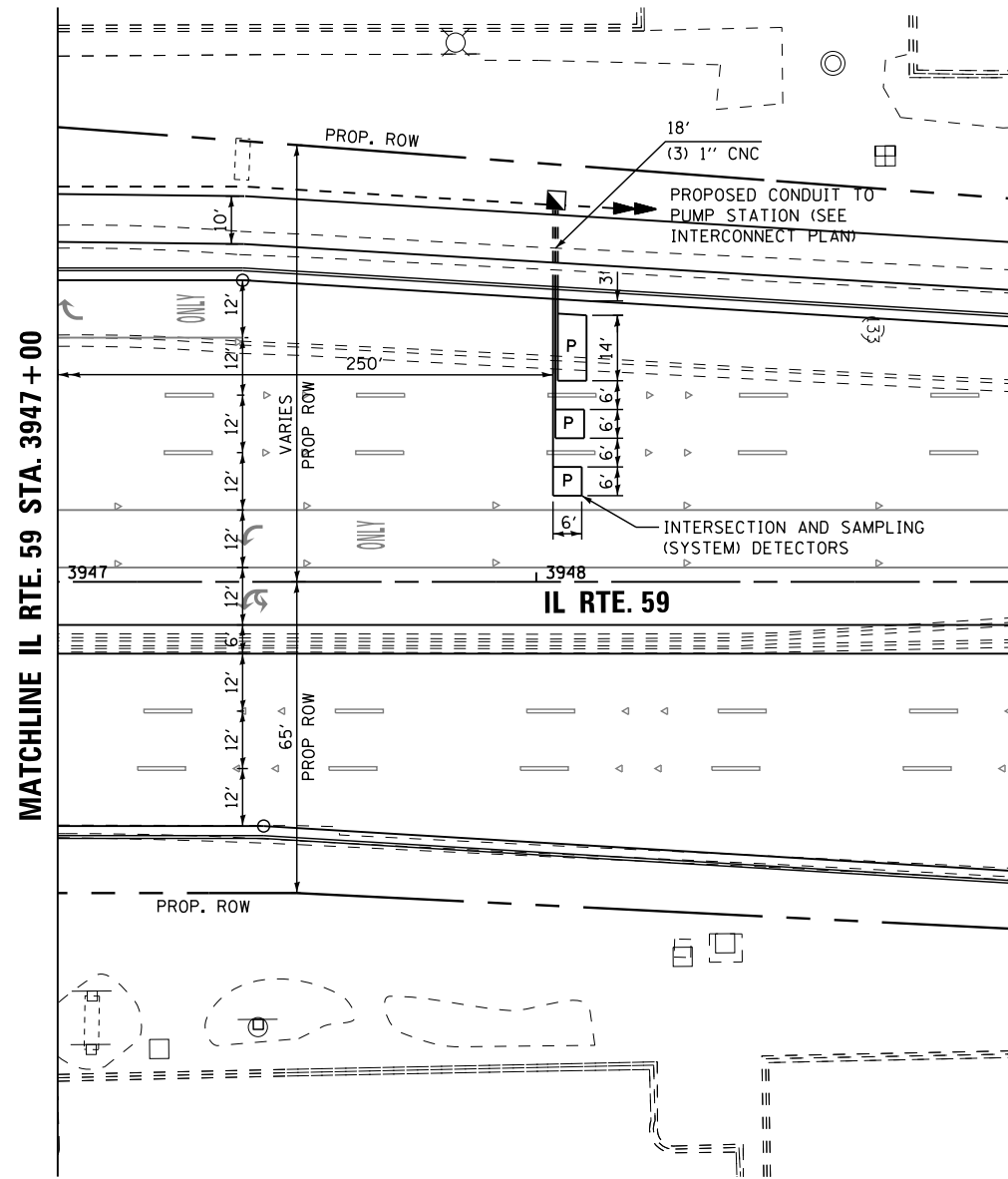
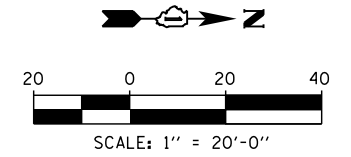
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	PLOT SCALE = *SCALE*	CHECKED - KMM	REVISED -
	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN
 IL RTE 59 AT MERIDIAN PKWY / GLACIER PARK AV**

SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

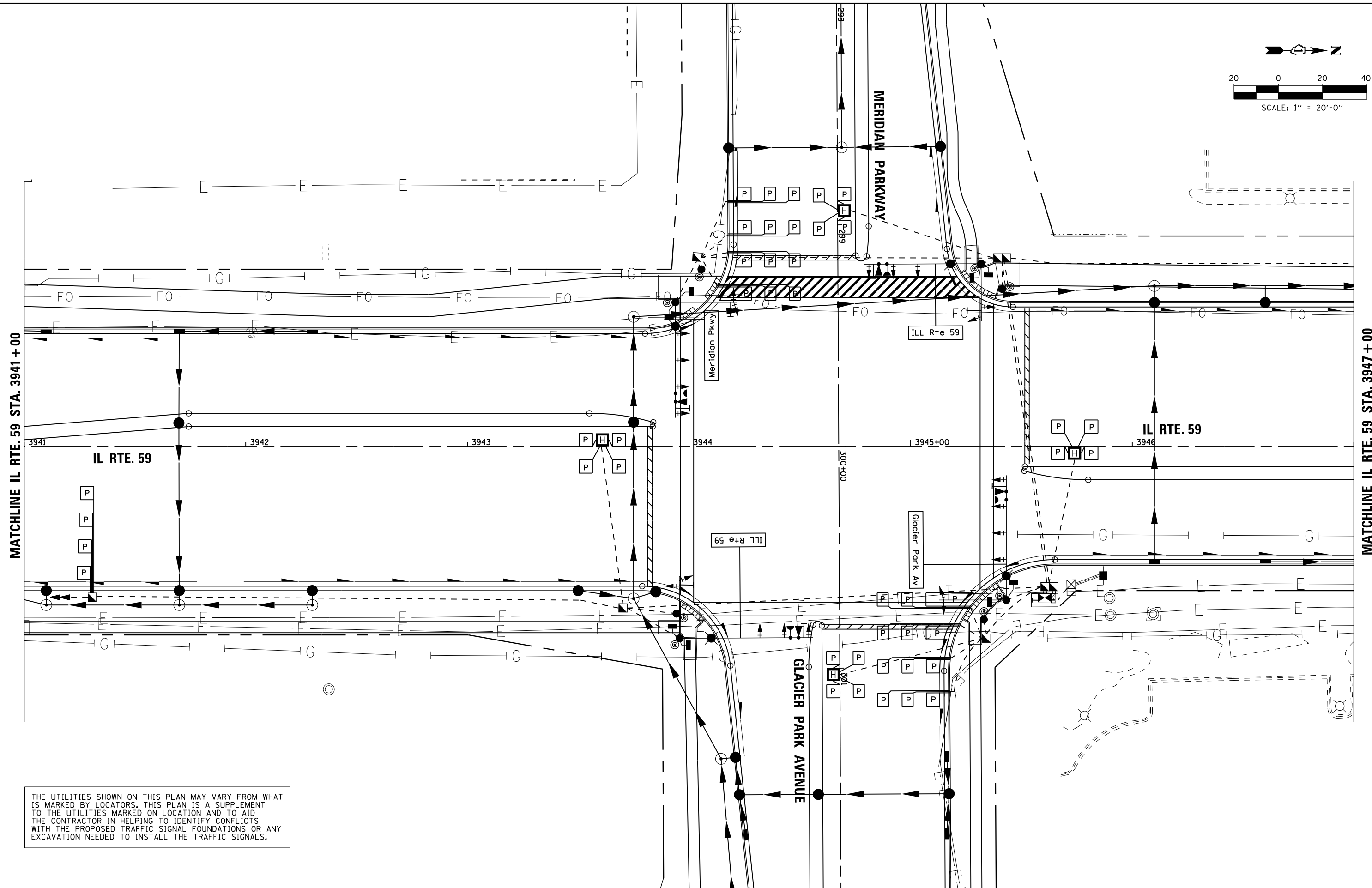
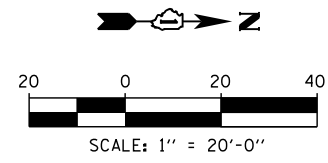
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	638
TS-46		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				



ALL LOOPS WITHIN LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PREFORMED TYPE

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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 = K:\Projects\090059\Design\Sheet Files\679rwa59proMG2.dgn	USER NAME = \$USER\$ rwa59proMG2.dgn	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 59 AT MERIDIAN PKWY / GLACIER PARK DR	F.A. RTE. = 338	SECTION = (112 & 113) WRS-7	COUNTY = DUPAGE	TOTAL SHEETS = 1156	SHEET NO. = 639	
PLOT SCALE = \$SCALE\$	CHECKED - KMM	REVISED -	SCALE: 1"=20'			SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	TS-47		CONTRACT NO. 60R30	
PLOT DATE = 12/6/2012	DATE -	REVISED -	ILLINOIS FED. AID PROJECT								



THE UTILITIES SHOWN ON THIS PLAN MAY VARY FROM WHAT IS MARKED BY LOCATORS. THIS PLAN IS A SUPPLEMENT TO THE UTILITIES MARKED ON LOCATION AND TO AID THE CONTRACTOR IN HELPING TO IDENTIFY CONFLICTS WITH THE PROPOSED TRAFFIC SIGNAL FOUNDATIONS OR ANY EXCAVATION NEEDED TO INSTALL THE TRAFFIC SIGNALS.

FILE NAME =	USER NAME = *USER*	DESIGNED - DW	REVISED -
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	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**UTILITY REFERENCE PLAN
 IL RTE 59 AT MERIDIAN PKWY / GLACIER PARK AV**
 SCALE: 1" = 20'
 SHEET NO. 1 OF 1 SHEETS
 STA. TO STA.

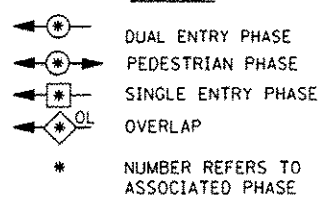
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	640
TS-48		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
90	SQ FT	SIGN PANEL - TYPE 1
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
866	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
121	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
660	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
5	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	TRANSCEIVER - FIBER OPTIC
1785	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
2973	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
3837	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
2096	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
6148	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
49	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
932	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1 C
20	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
32	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
42	FOOT	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER
14	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
8	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
22	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
21	EACH	INDUCTIVE LOOP DETECTOR
1786	FOOT	PREFORMED DETECTOR LOOP
4	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
9	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
1161	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
1	EACH	FULL-ACTUATED CONTROLLER AND SUPER P CABINET, TYPE IV, SPECIAL
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 52 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 26 FT. AND 54 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 56 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 60 FT.
4	EACH	ILLUMINATED STREET NAME SIGN
4	EACH	PEDESTRIAN PUSHBUTTON POST, TYPE A

* 100% COST TO THE CITY OF NAPERVILLE
** 50% COST TO THE CITY OF NAPERVILLE
50% COST TO THE CITY OF AURORA

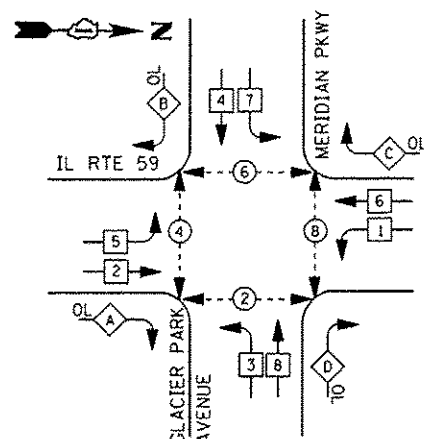
LEGEND



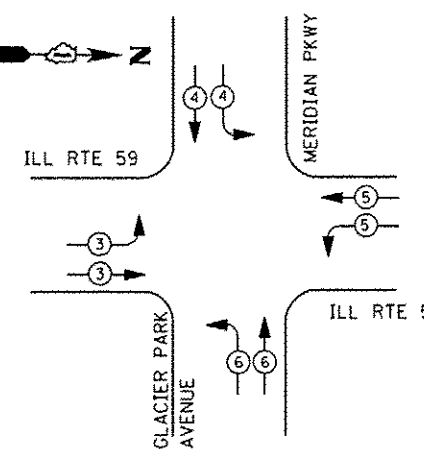
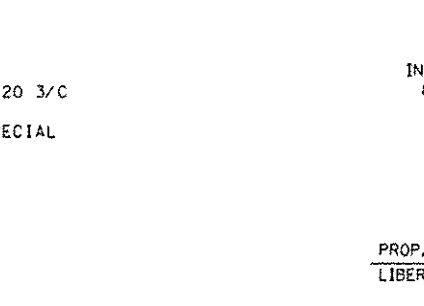
RIGHT TURN OVERLAP PHASE DESIGNATION

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

CONTROLLER SEQUENCE

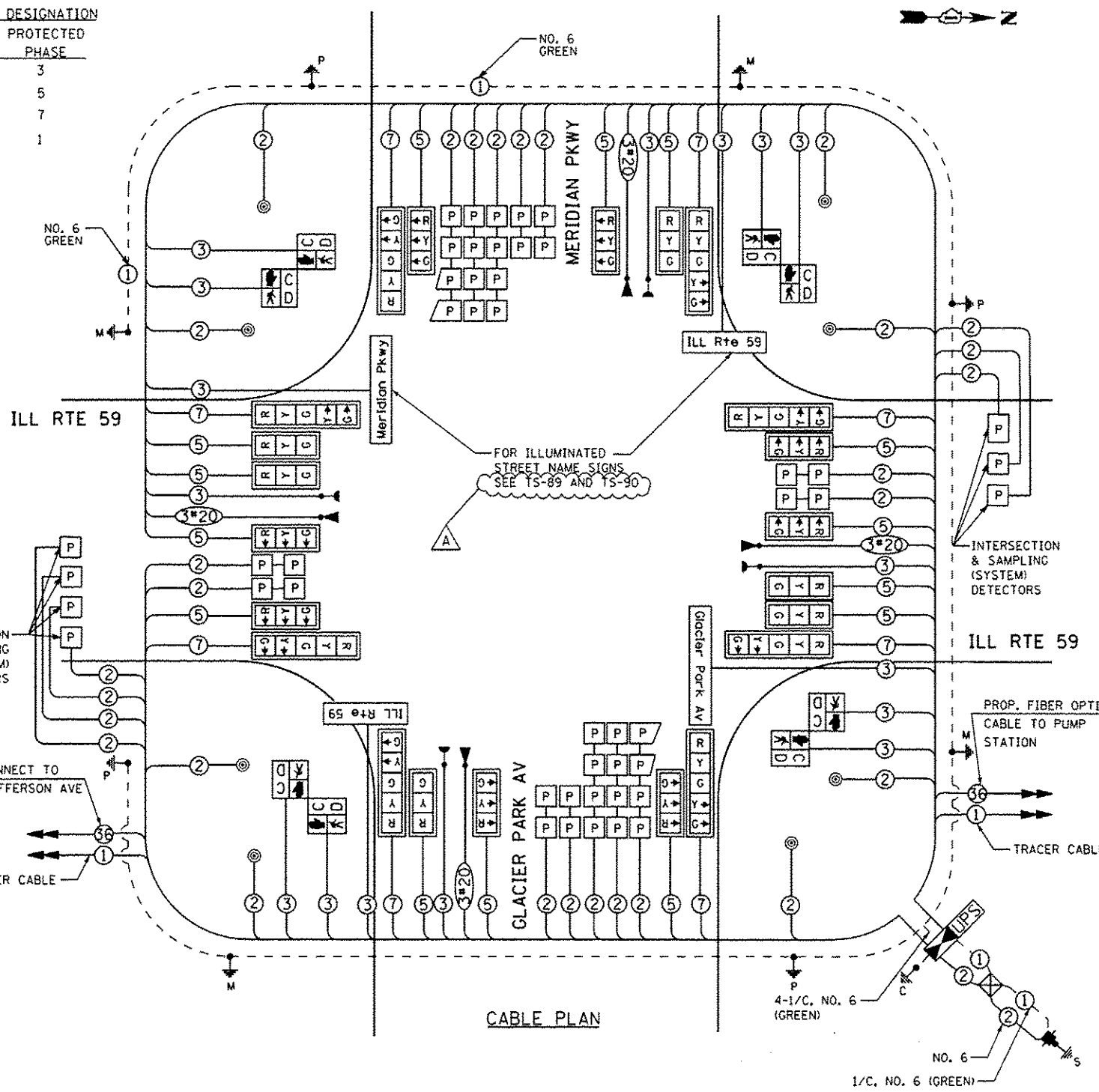


PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				



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

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

ALL LOOPS WITHIN LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PERFORMED TYPE

FOR COMBINATION POLE LIGHTING AND WIRING SEE ROADWAY LIGHTING PLANS SHEET 4 OF 15, TS-94 AND TS-96.

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	22	135	17	0.50	187
(YELLOW)	22	135	25	0.25	138
(GREEN)	22	135	15	0.25	83
ARROW	16	135	12	0.10	20
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	4	--	120	0.50	240
TOTAL =					968

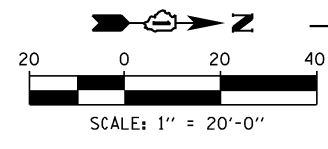
ENERGY COSTS - BILLED TO: IDOT - DISTRICT 1
201 W. CENTER CT.
SCHAUMBURG, IL 60196-1096

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

THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

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

INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION



LEFT ON GREEN ARROW ONLY

R10-5
 8 REQUIRED
 24"X30"
 SIGN PANEL TYPE 1

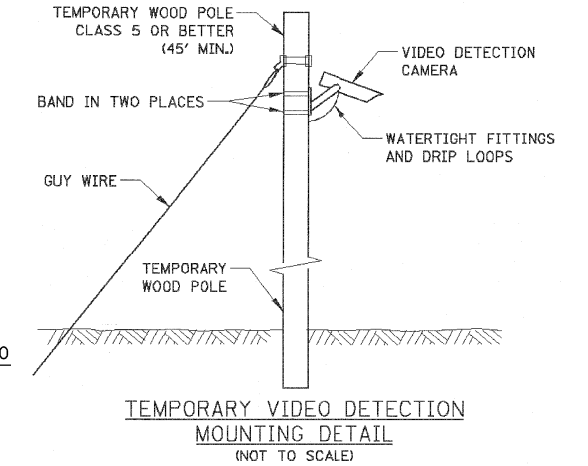
AUTOMATIC ENFORCEMENT CAMERAS TO BE REMOVED BY OTHERS

APPROX. STATION: 3975+58
 103' LT

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

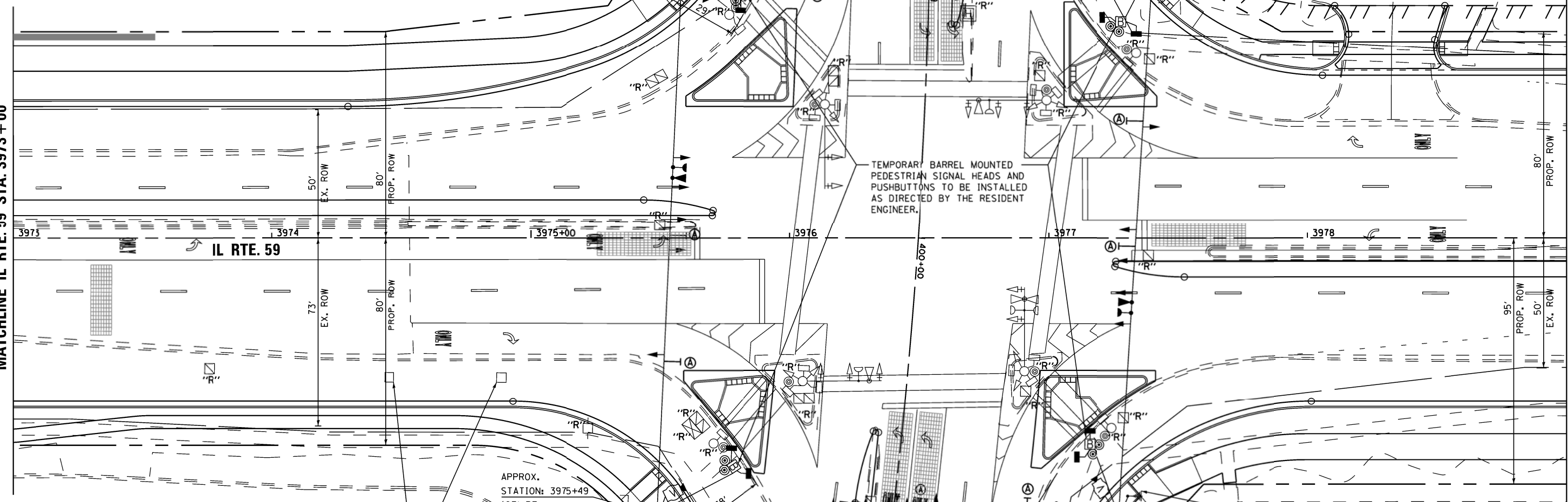
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- AGENCY: CITY OF NAPERVILLE
- 4 EACH LIGHT DETECTOR AND BEACON
 - 1 EACH LIGHT DETECTOR AMPLIFIER



MATCHLINE IL RTE. 59 STA. 3973 + 00

MATCHLINE IL RTE. 59 STA. 3979 + 00



REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT (CONT'D)

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.

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

AUTOMATIC ENFORCEMENT CAMERAS TO BE REMOVED BY OTHERS

*THE COST FOR THE 2" CONDUIT AND GROUND MOUNTED ELECTRICAL SERVICE SHALL NOT BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION AND WILL BE PAID FOR SEPARATELY.

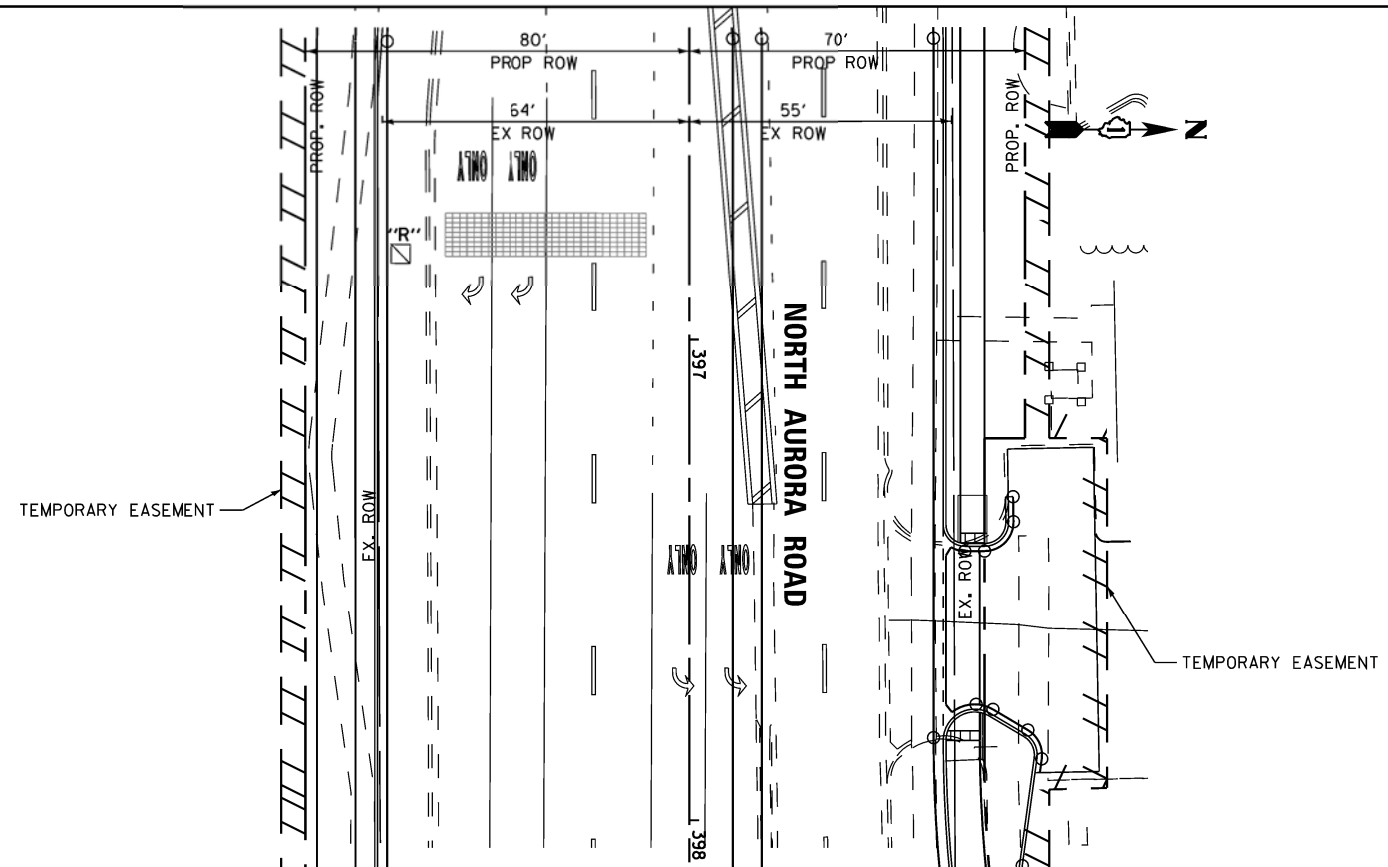
PROPOSED TEMPORARY WIRELESS INTERCONNECT TO IL 59 AT DIEHL ROAD

- * 5'-UC 2" CONDUIT w/THREADED CAP FOR PERMANENT SERVICE CONNECTION SEE TRAFFIC SIGNAL MODERNIZATION PLAN
- * 5'-UC 2" METERED GROUND MOUNTED SERVICE CABINET

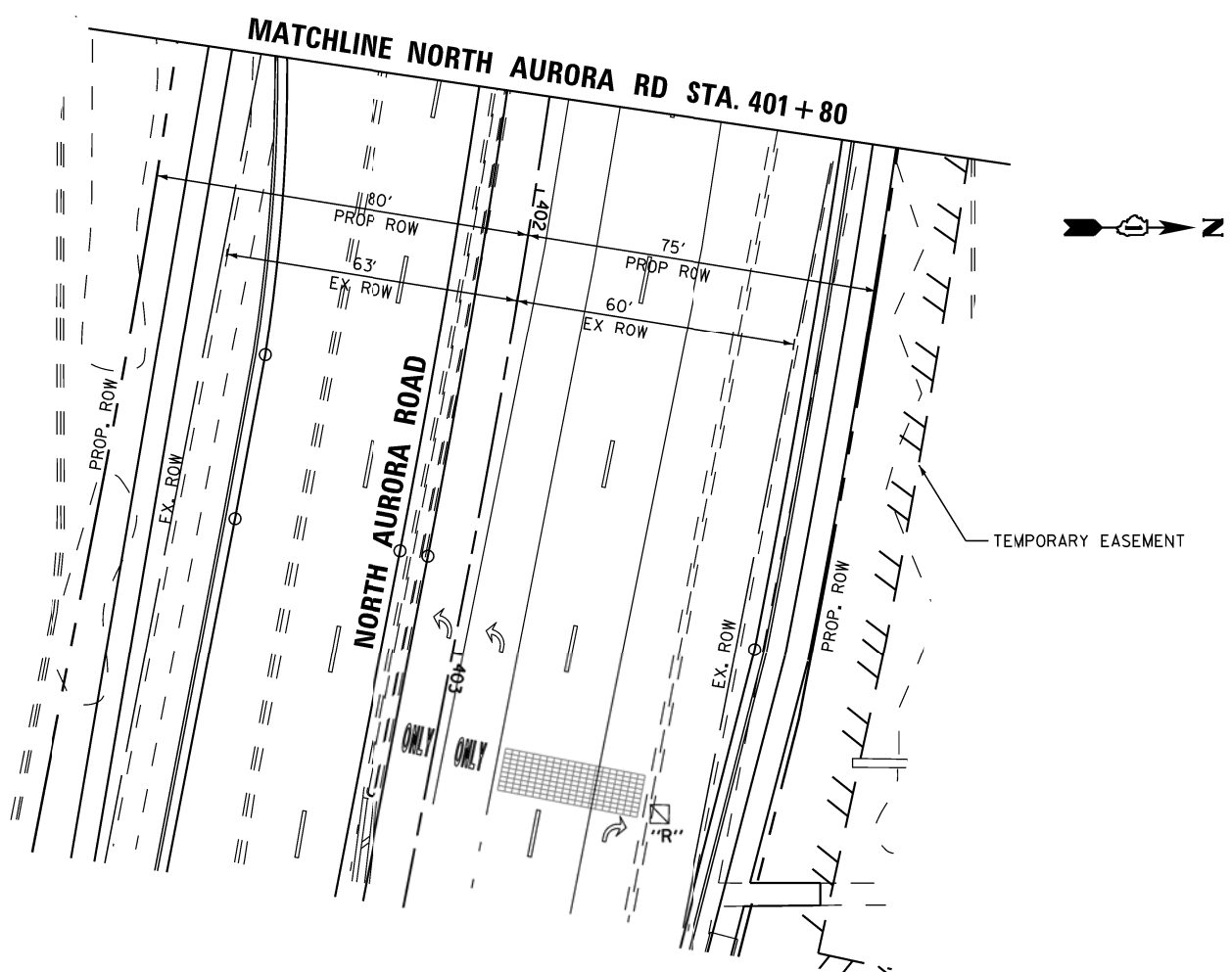
APPROX. STATION: 3977+27
 107' RT

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.

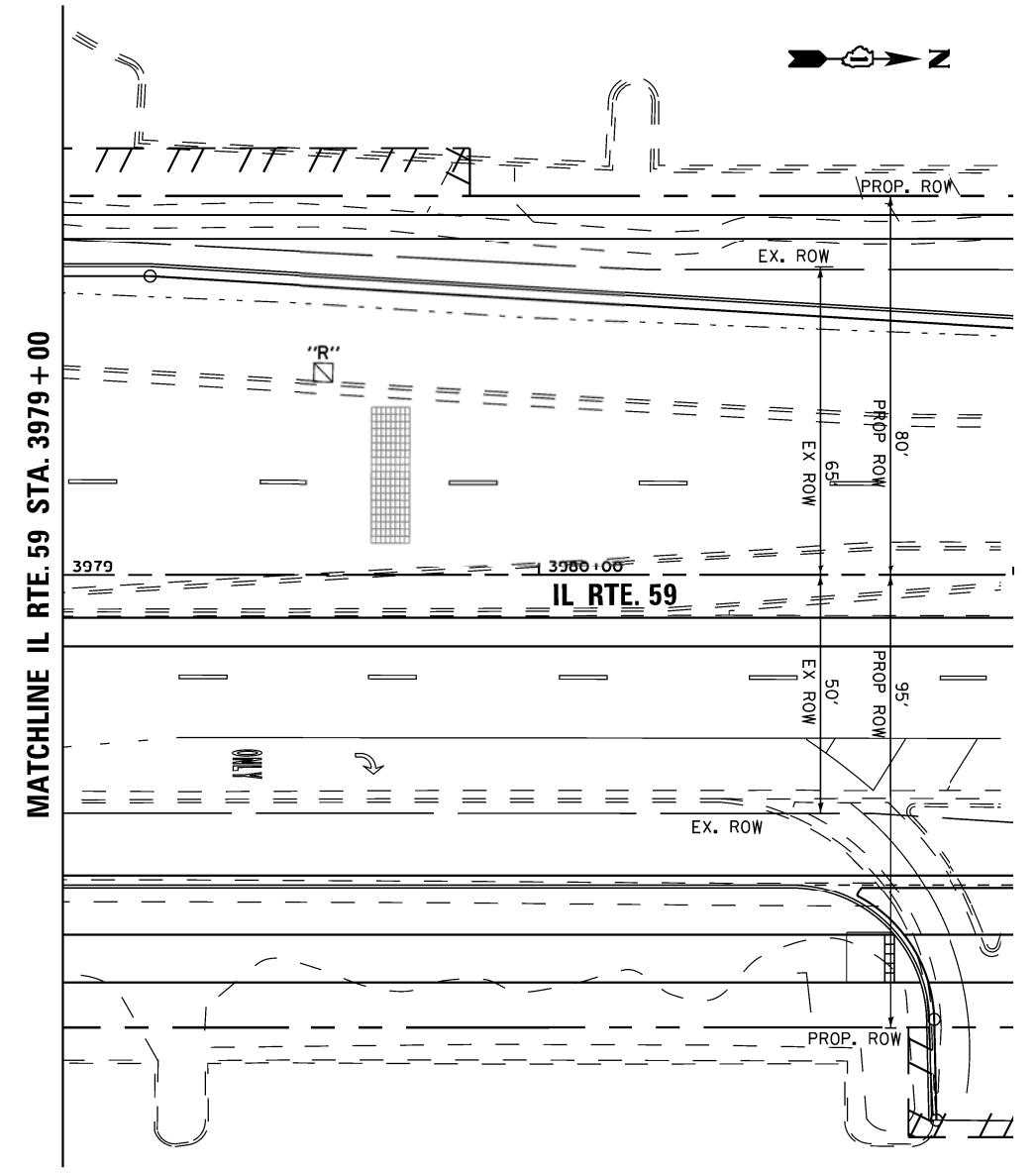
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PLOT SCALE = \$SCALE\$	CHECKED - KMM	DATE -	REVISOR -	SCALE: 1"=20'		SHEET NO. 1 OF 6 SHEETS		STA. TO STA.	CONTRACT NO. 60R30		ILLINOIS FED. AID PROJECT	



MATCHLINE NORTH AURORA RD STA. 398 + 10



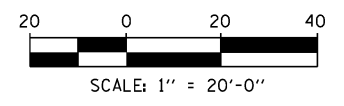
MATCHLINE NORTH AURORA RD STA. 401 + 80



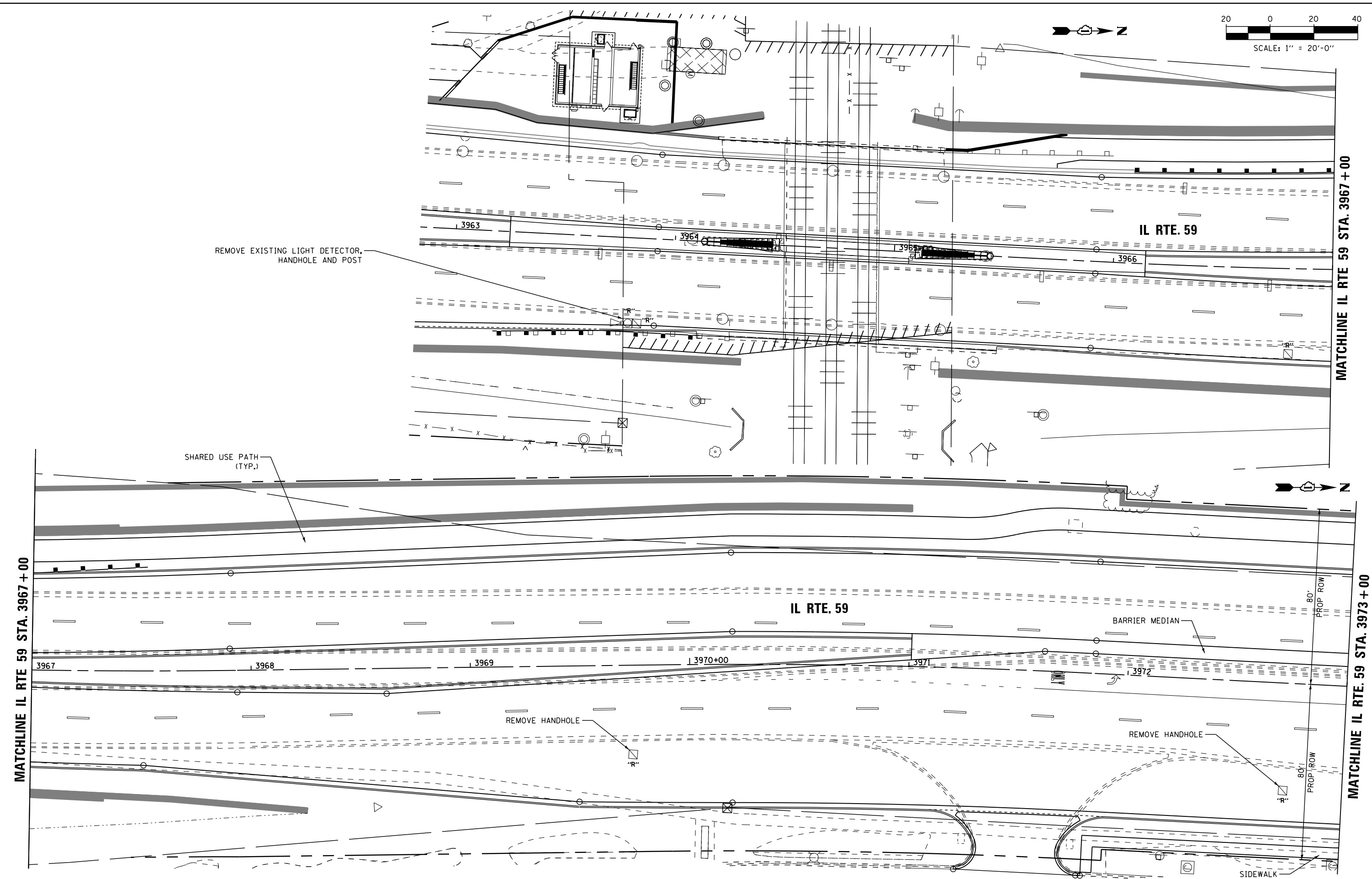
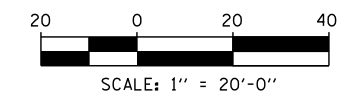
MATCHLINE IL RTE. 59 STA. 3979 + 00

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

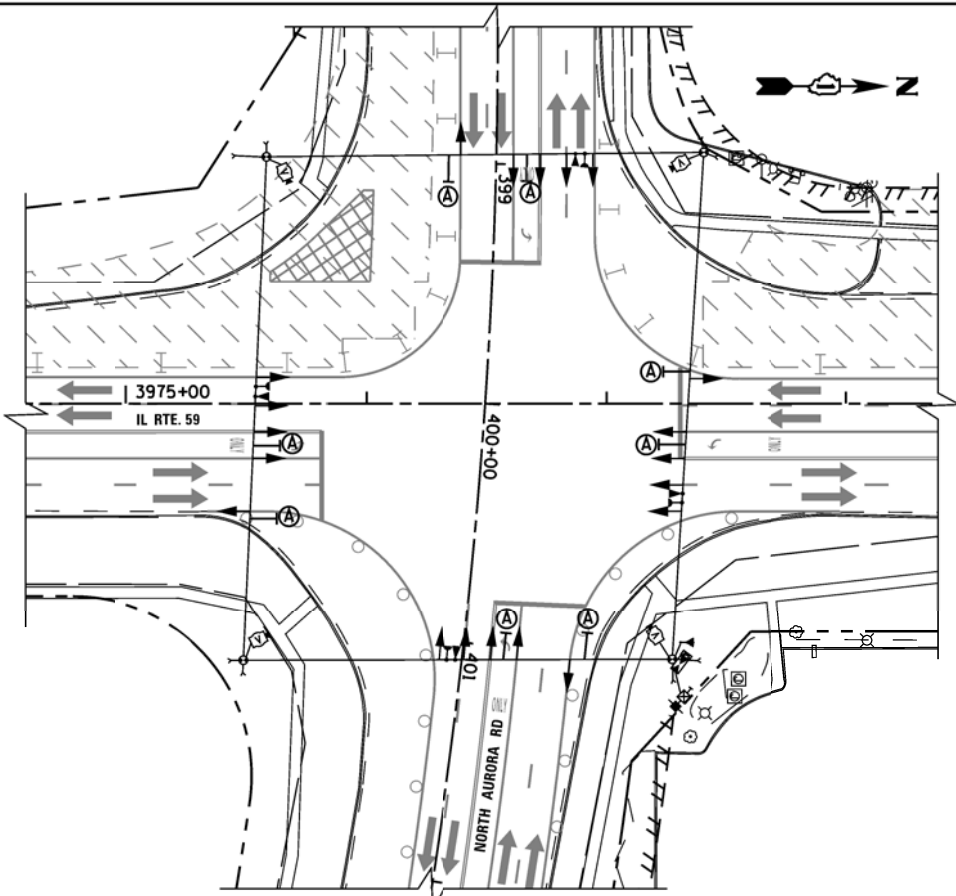
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HAND-OLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL 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.



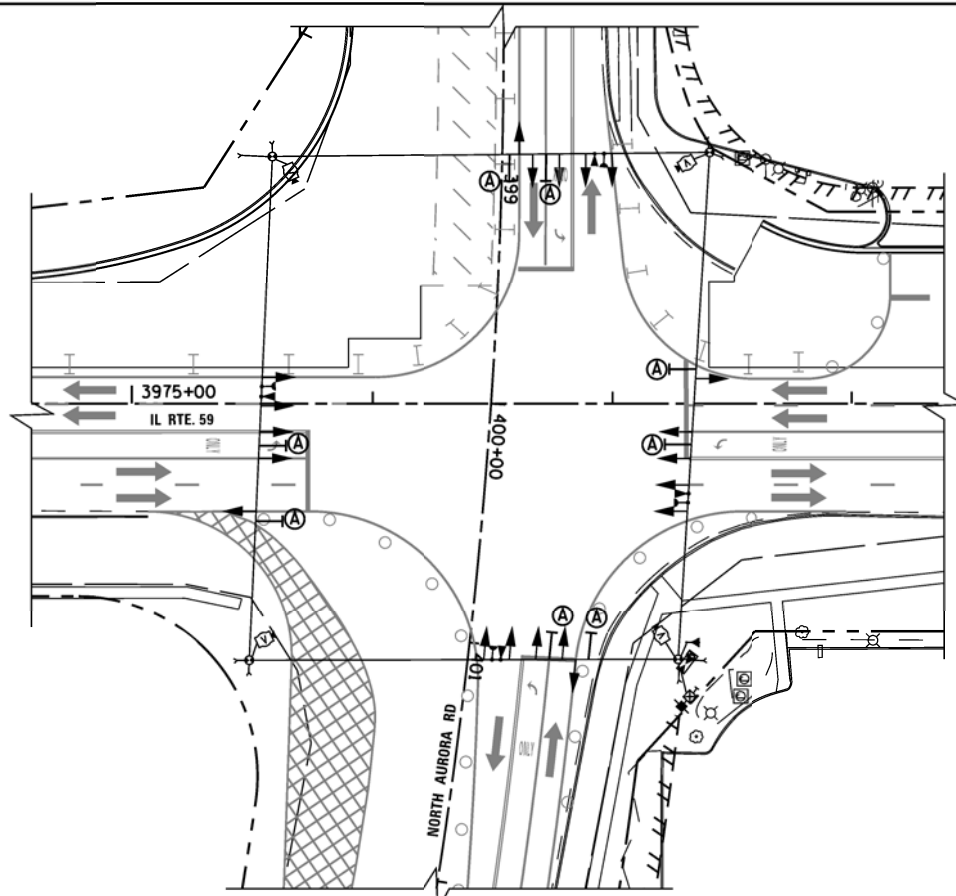
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	PLOT DATE = 12/6/2012	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



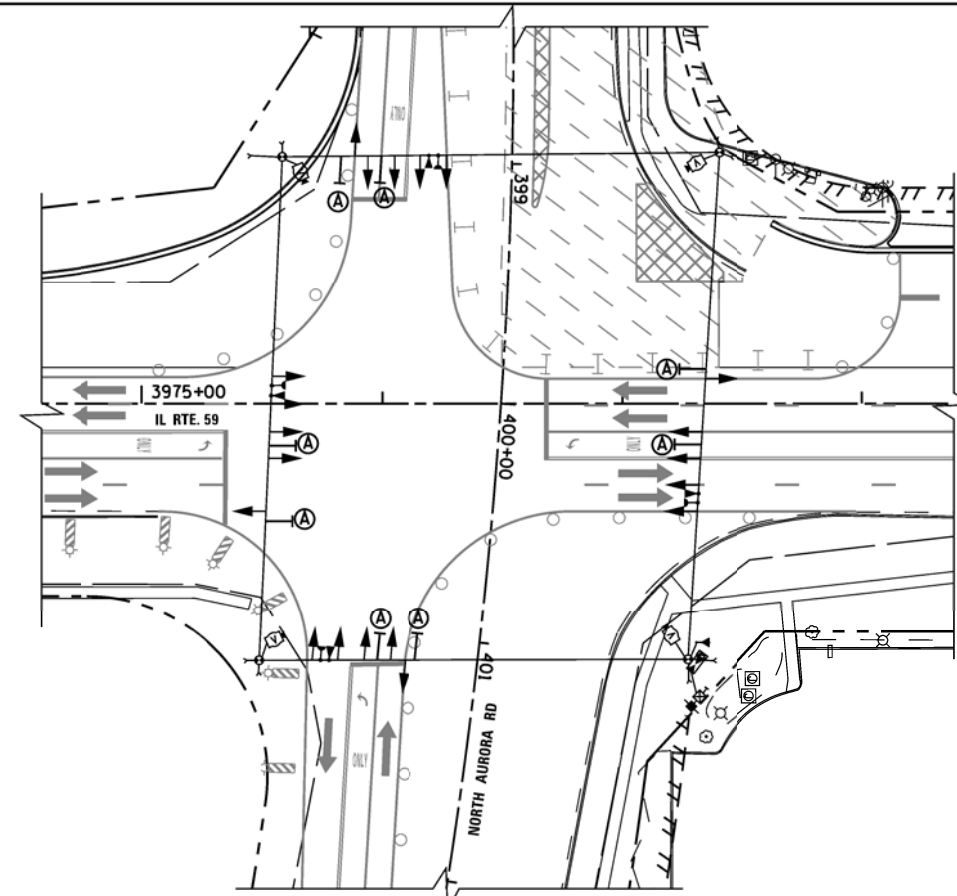
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PLOT DATE = 12/6/2012	DATE -	DATE -	DATE -		ILLINOIS FED. AID PROJECT							



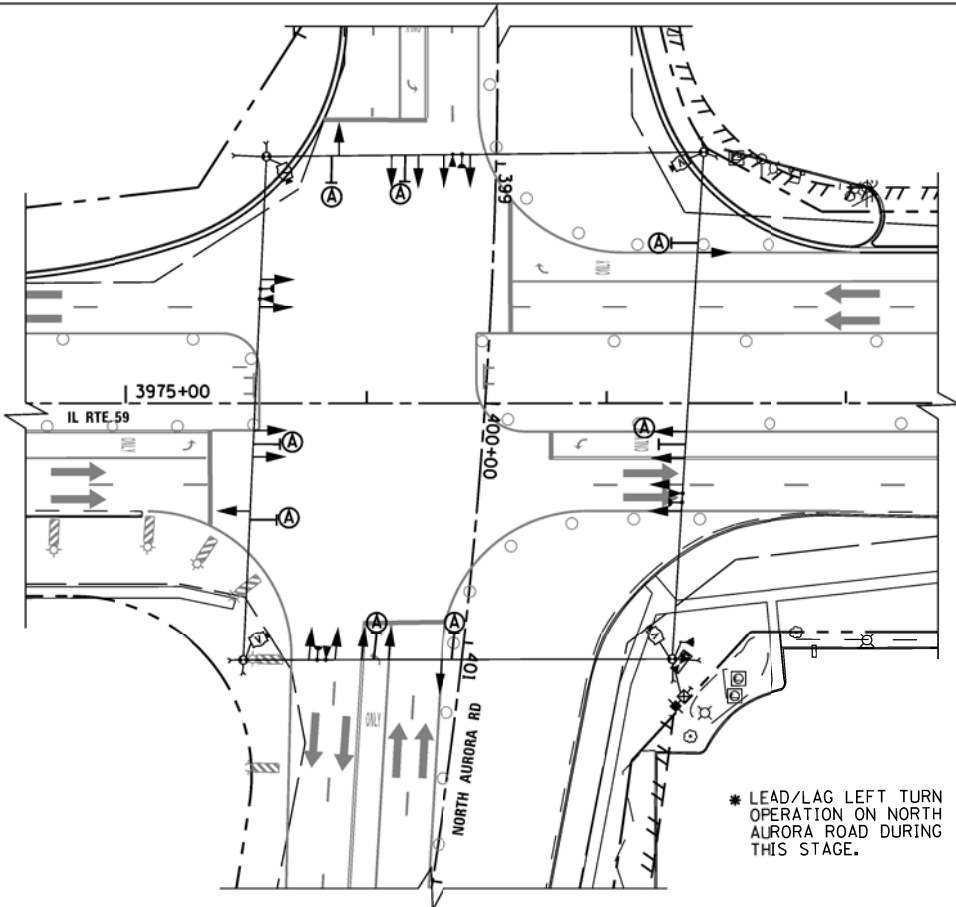
TEMPORARY TRAFFIC SIGNALS STAGE 1



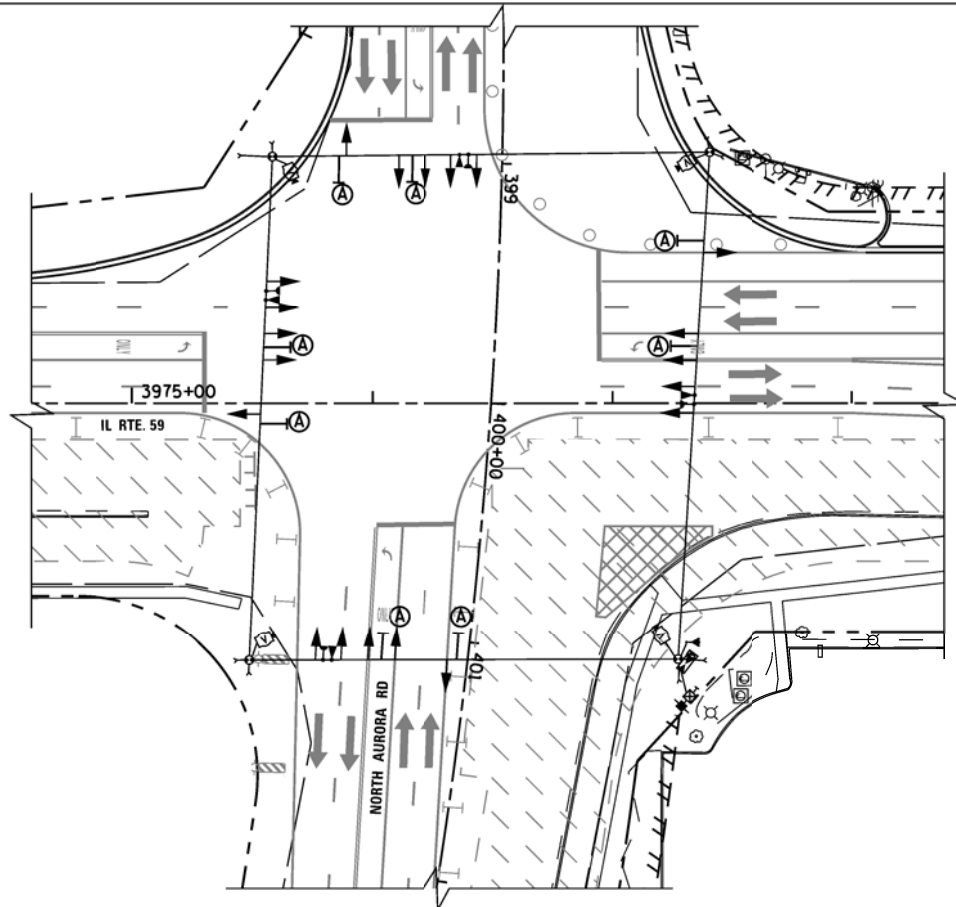
TEMPORARY TRAFFIC SIGNALS STAGE 1A-1B



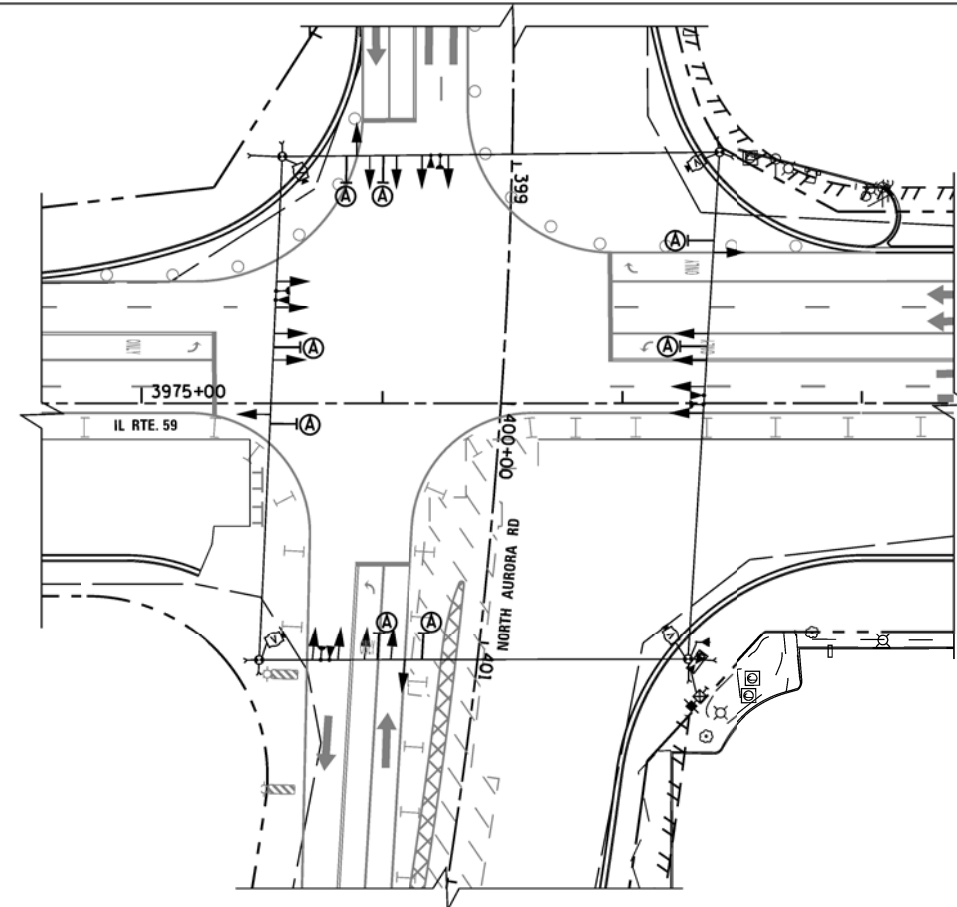
TEMPORARY TRAFFIC SIGNALS STAGE 1C



TEMPORARY TRAFFIC SIGNALS STAGE 1D



TEMPORARY TRAFFIC SIGNALS STAGE 2



TEMPORARY TRAFFIC SIGNALS STAGE 2A

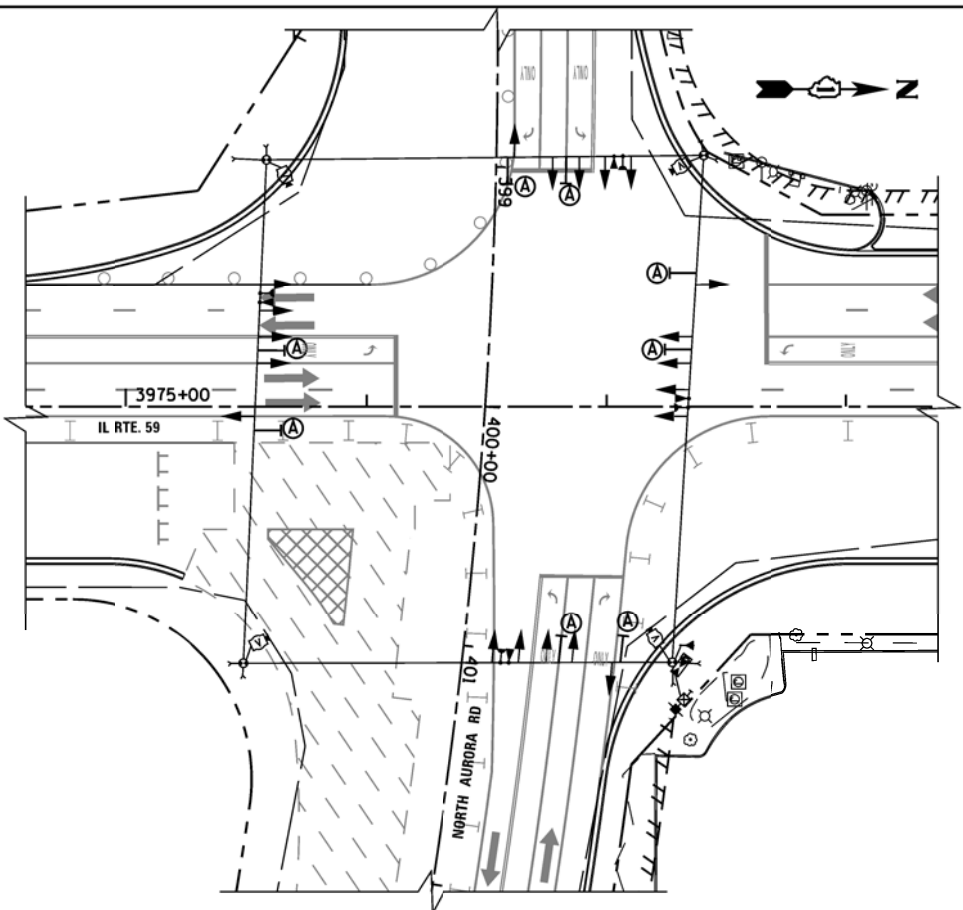
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	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

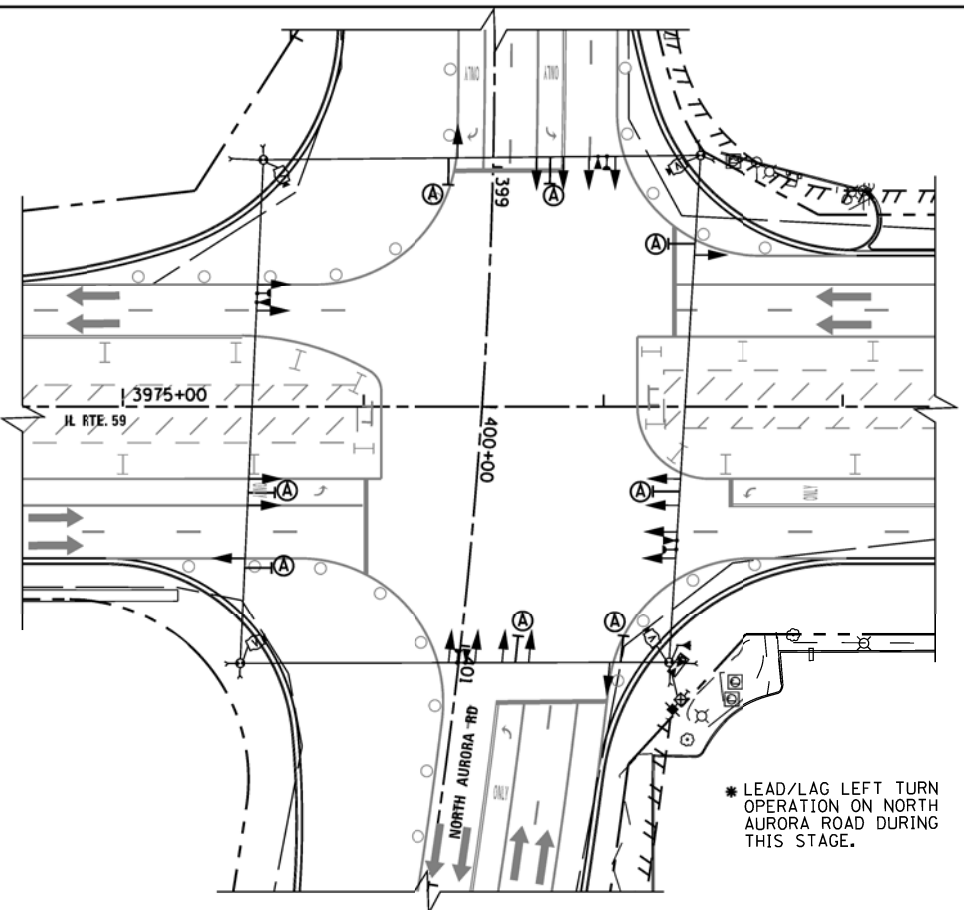
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
 M.O.T. STAGING PLAN (1 OF 3)
 IL RTE 59 AT NORTH AURORA ROAD**

SCALE: N.T.S. SHEET NO. 4 OF 6 SHEETS STA. TO STA.

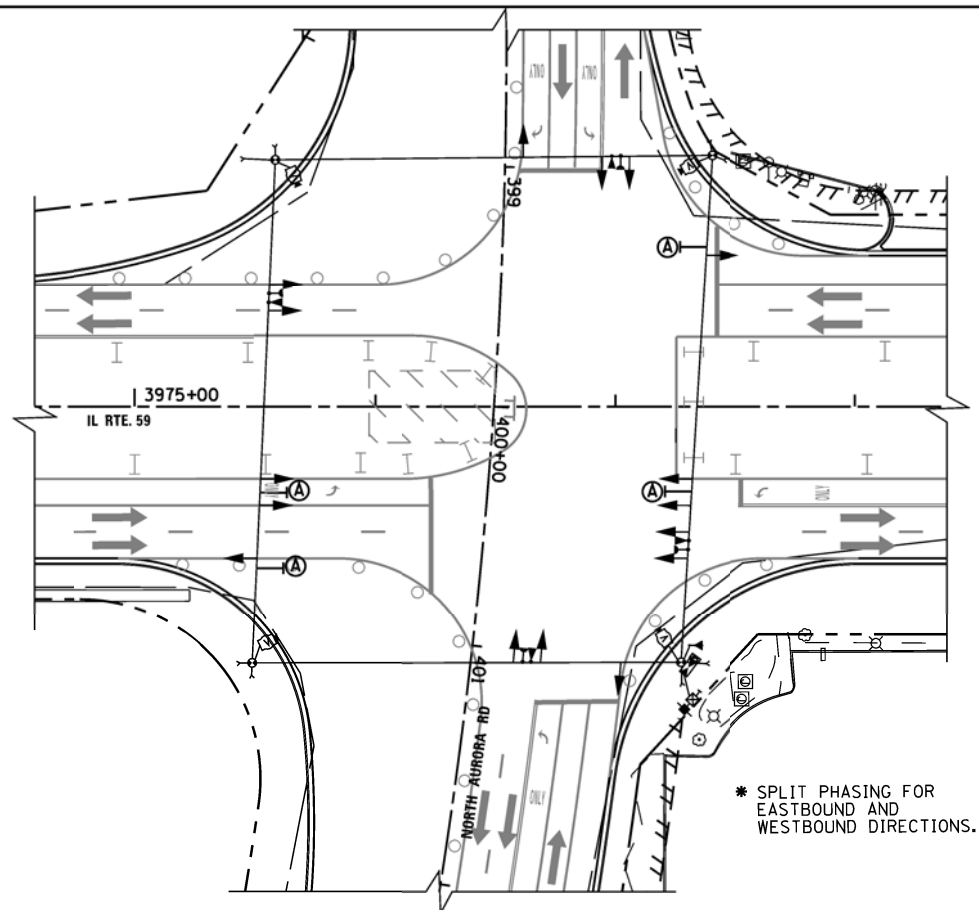
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	645
TS-53			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				



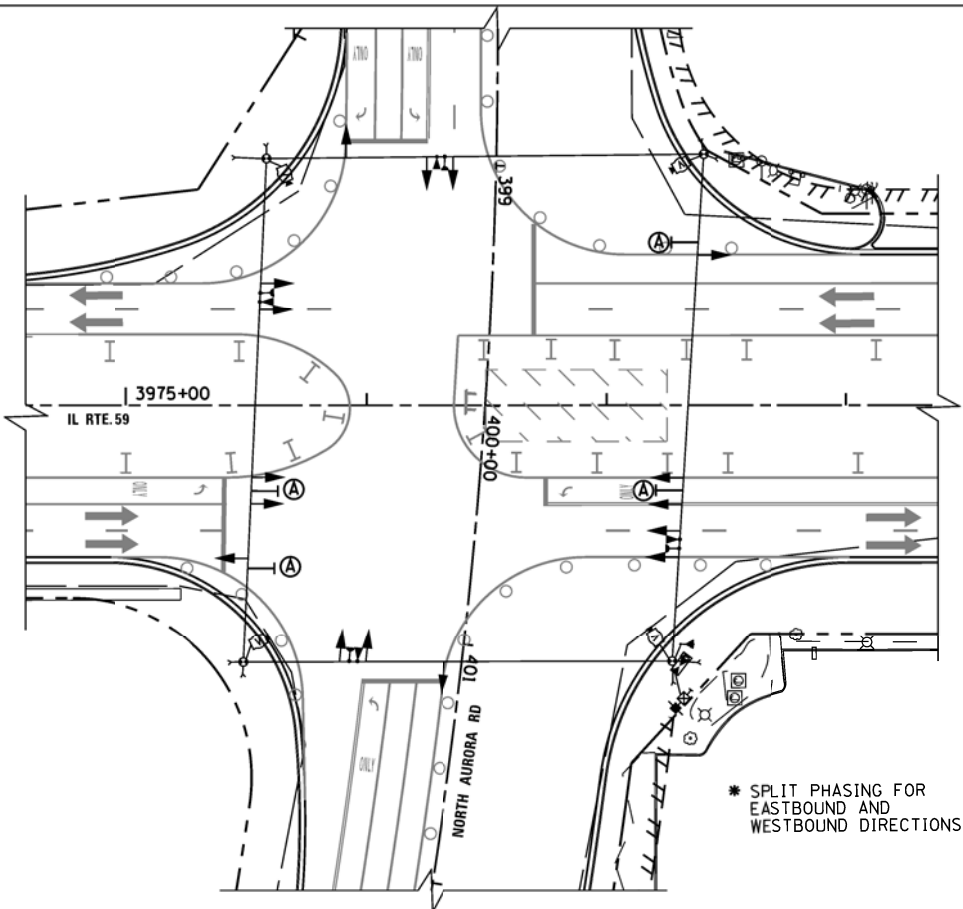
TEMPORARY TRAFFIC SIGNALS STAGE 2B



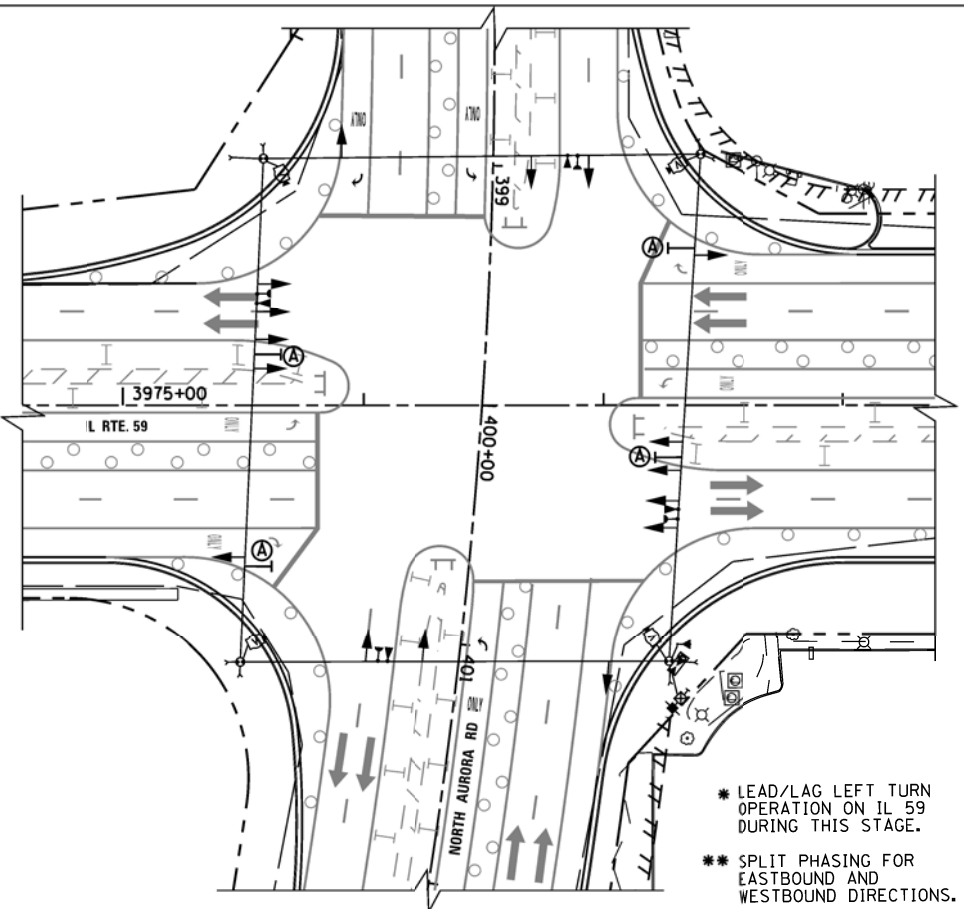
TEMPORARY TRAFFIC SIGNALS STAGE 3



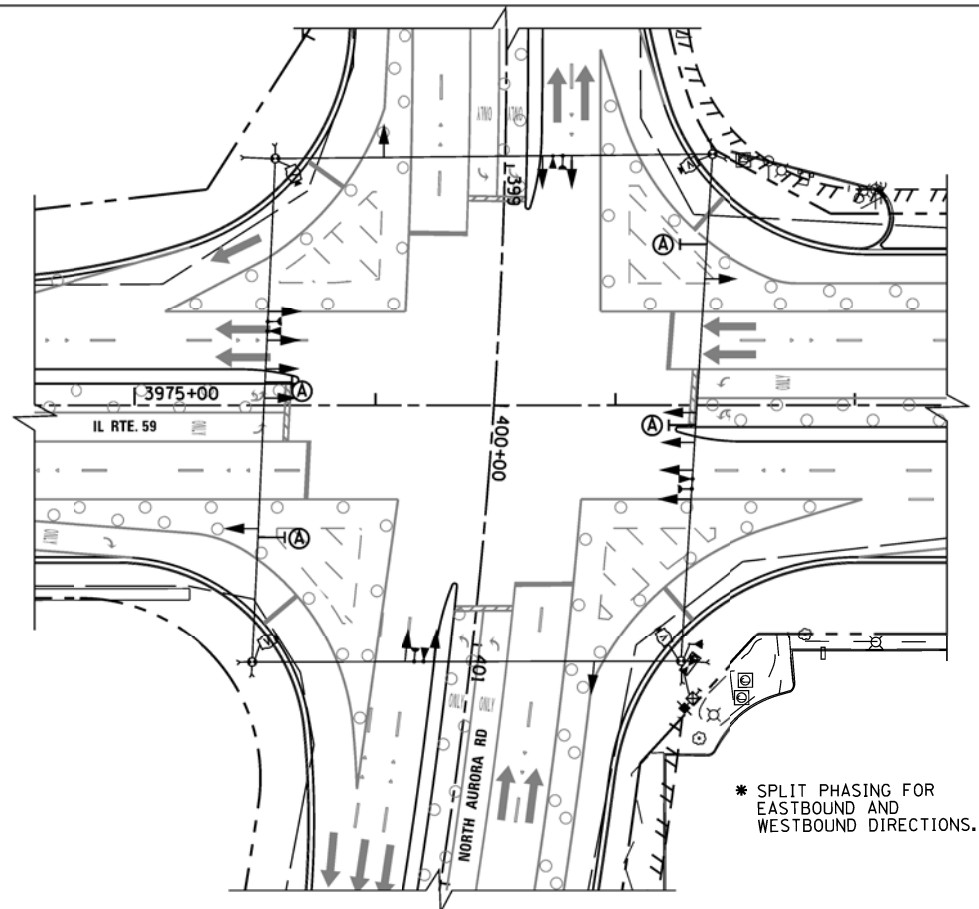
TEMPORARY TRAFFIC SIGNALS STAGE 3A



TEMPORARY TRAFFIC SIGNALS STAGE 3B



TEMPORARY TRAFFIC SIGNALS STAGE 4



TEMPORARY TRAFFIC SIGNALS STAGE 4A

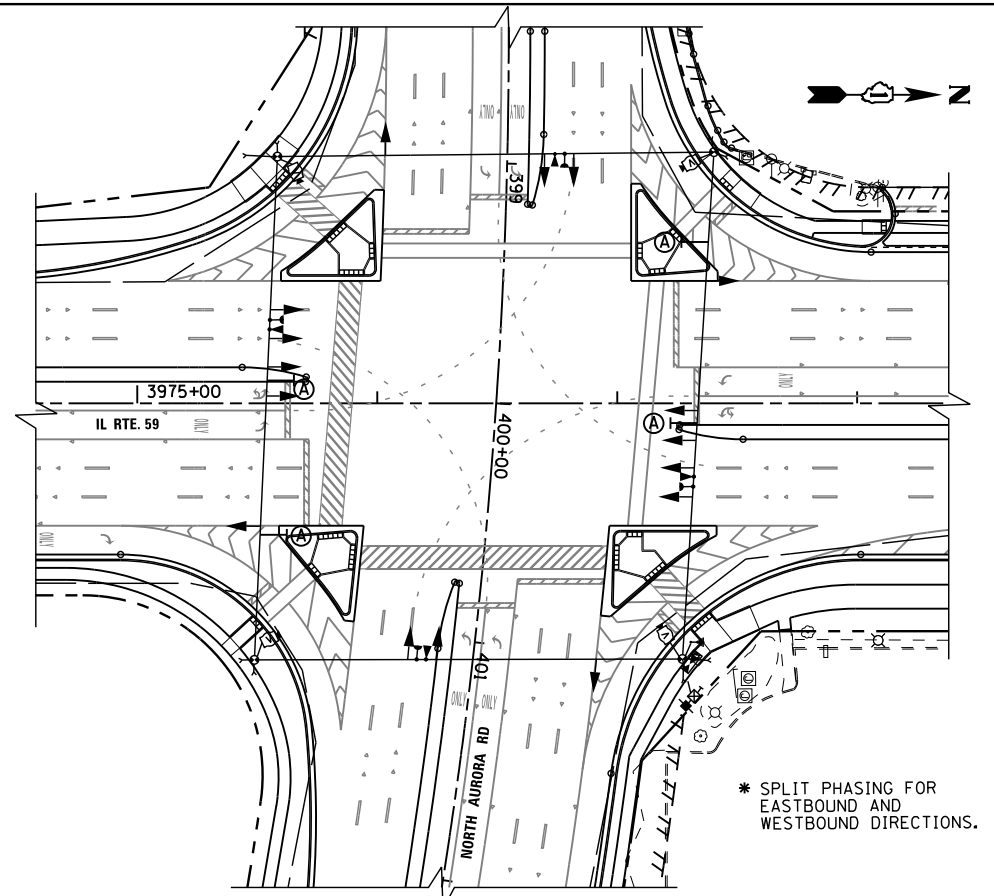
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	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
 M.O.T. STAGING PLAN (2 OF 3)
 IL RTE 59 AT NORTH AURORA ROAD**

SCALE: N.T.S. SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A. RTE. 338	SECTION (112 & 113) WRS-7	COUNTY DUPAGE	TOTAL SHEETS 1156	SHEET NO. 646
TS-54		CONTRACT NO. 60R30	ILLINOIS FED. AID PROJECT	



TEMPORARY TRAFFIC SIGNALS FINAL CONDITION

FILE NAME =	USER NAME = *USER*	DESIGNED - DW	REVISED -
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	PLOT SCALE = *SCALE*	CHECKED - KMM	REVISED -
	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
 M.O.T. STAGING PLAN (3 OF 3)
 IL RTE 59 AT NORTH AURORA ROAD**

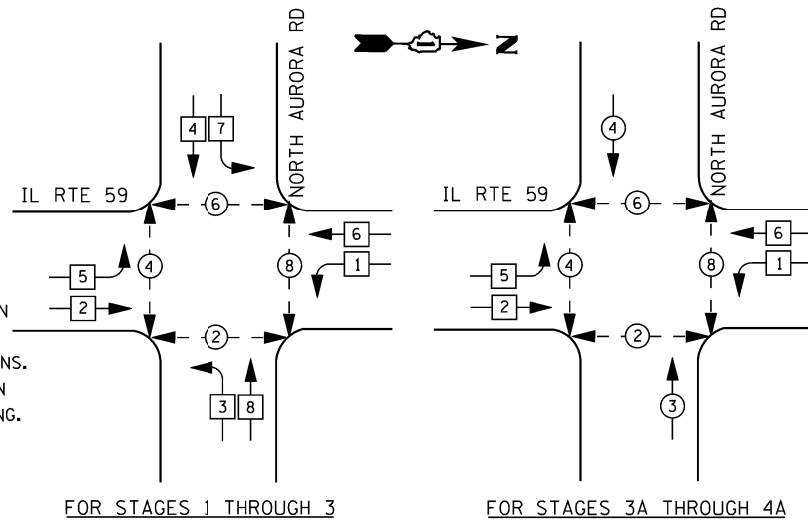
SCALE: N.T.S. SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	647
TS-55			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				

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 RAILROAD INTERSECTIONS. 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, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM 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.

TEMPORARY CONTROLLER SEQUENCE

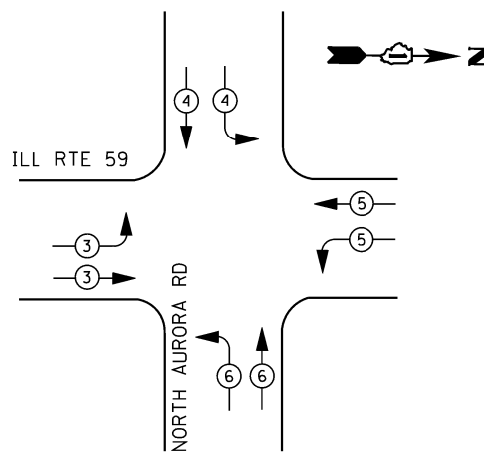


NOTE: LEAD/LAG OPERATION FOR PHASES 3 AND 7 DURING MOT STAGES 1D & 3

LEGEND

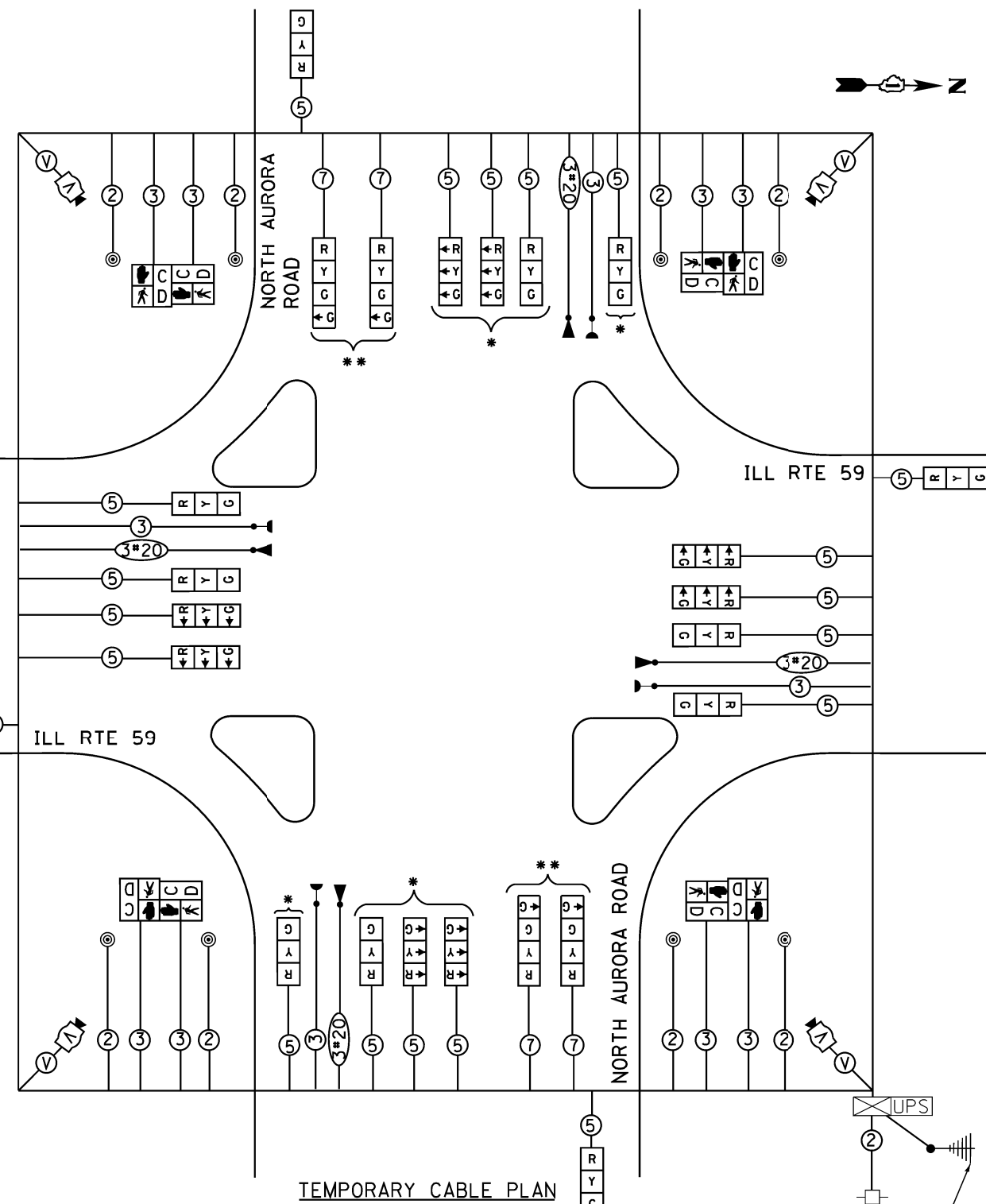
- ⊙ * DUAL ENTRY PHASE
- ⊙ * PEDESTRIAN PHASE
- ⊙ * SINGLE ENTRY PHASE
- ⊙ * OL OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



* SIGNAL HEADS TO BE USED DURING CONSTRUCTION STAGES 1 THROUGH 3

** SIGNAL HEADS TO BE USED DURING CONSTRUCTION STAGES 3A THROUGH FINAL CONDITION

PROPOSED TEMPORARY WIRELESS INTERCONNECT TO IL RTE 59 AT DIEHL ROAD (SEE TEMP. INTERCONNECT PLAN FOR DETAIL)

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

ALL PEDESTRIAN HEADS SHALL BE BAGGED AND DISCONNECTED AT LOCATIONS WHERE EXISTING PAVEMENT IS REMOVED. ALL PEDESTRIAN SIGNAL HEADS SHALL REMAIN BAGGED UNTIL THE PAVEMENT IS RESTORED TO PROVIDE A SAFE CROSSING AREA. USAGE OF PEDESTRIAN SIGNALS IS BASED ON CONSTRUCTION STAGING AND SHALL BE DETERMINED BY THE RESIDENT ENGINEER. IF SIDEWALKS AND PEDESTRIAN CROSSINGS ARE NOT PROVIDED, THE PEDESTRIAN SIGNAL EQUIPMENT SHALL REMAIN DISCONNECTED UNTIL WARRANTED PRIOR TO THE PERMANENT SIGNAL TURN-ON.

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	20	135	17	0.50	170
(YELLOW)	20	135	25	0.25	125
(GREEN)	20	135	15	0.25	75
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
VIDEO SYSTEM	1	150	-	1.00	150
TOTAL =					820

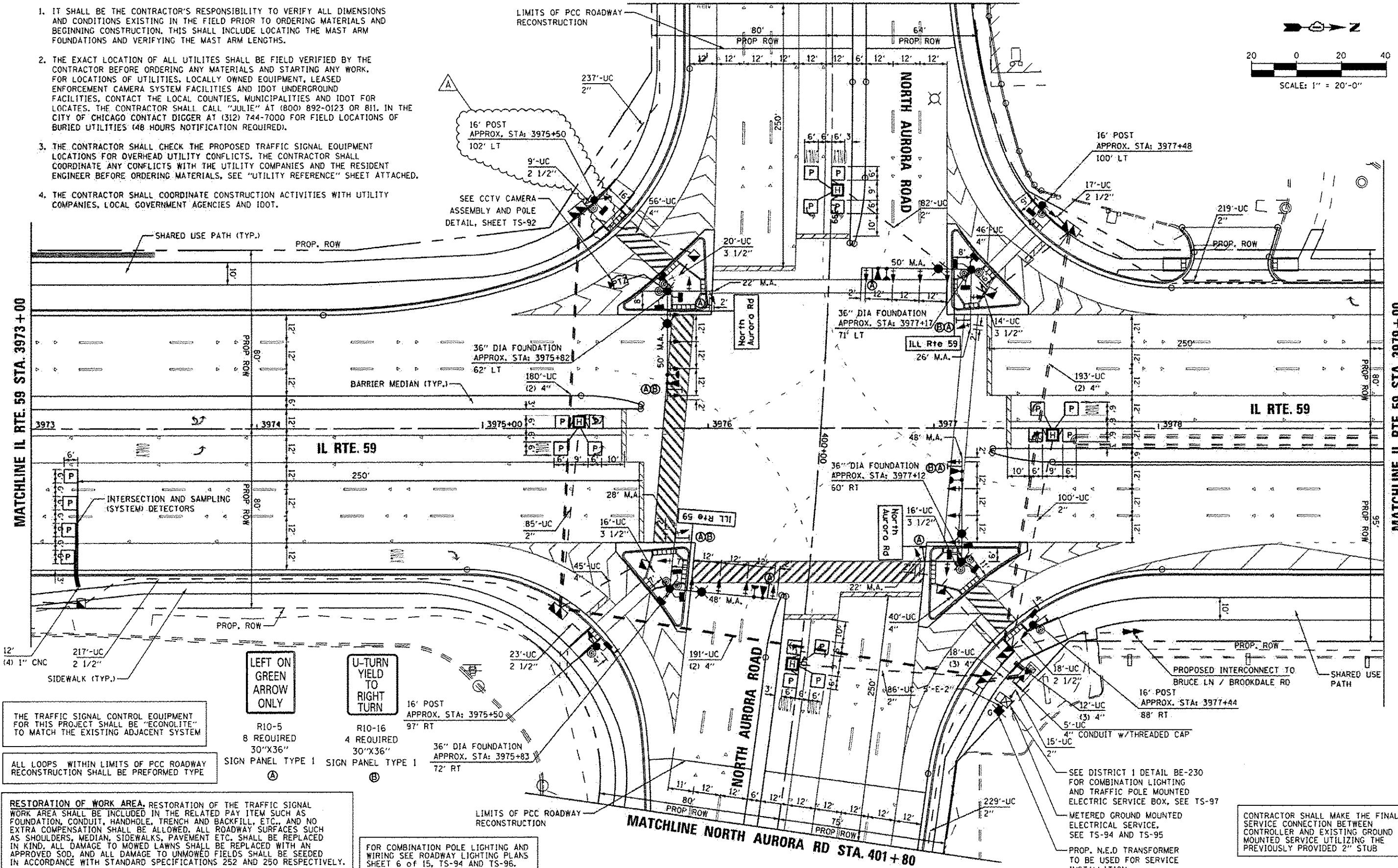
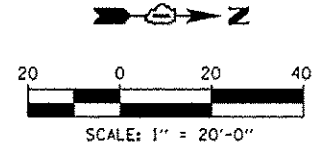
ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
 201 W. CENTER CT.
 SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
 PHONE NAPERVILLE ELECTRIC DEPT.
 630-420-6653

GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811. IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS, SEE "UTILITY REFERENCE" SHEET ATTACHED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

MATCHLINE NORTH AURORA RD STA. 398 + 10



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

ALL LOOPS WITHIN LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PREFORMED TYPE

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.

LEFT ON GREEN ARROW ONLY

U-TURN YIELD TO RIGHT TURN

R10-5
8 REQUIRED
30"X36"
SIGN PANEL TYPE 1

R10-16
4 REQUIRED
30"X36"
SIGN PANEL TYPE 1

FOR COMBINATION POLE LIGHTING AND WIRING SEE ROADWAY LIGHTING PLANS SHEET 6 OF 15, TS-94 AND TS-96.

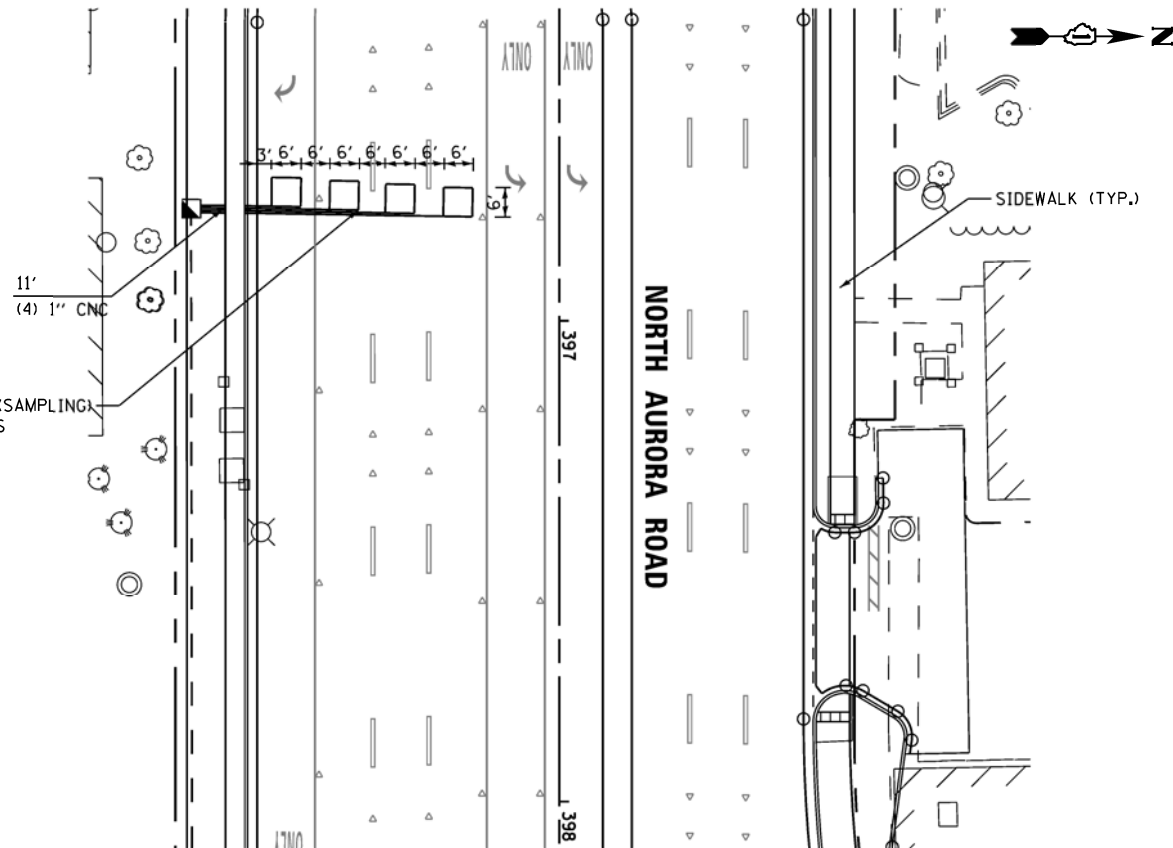
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PLOT SCALE	CHECKED	DATE	REVISED
#SCALE#	KMM	1/24/2013	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
 IL RTE 59 AT NORTH AURORA ROAD (1 OF 3)
 SCALE: 1"=20' SHEET NO. 1 OF 3 SHEETS STA. TO STA.

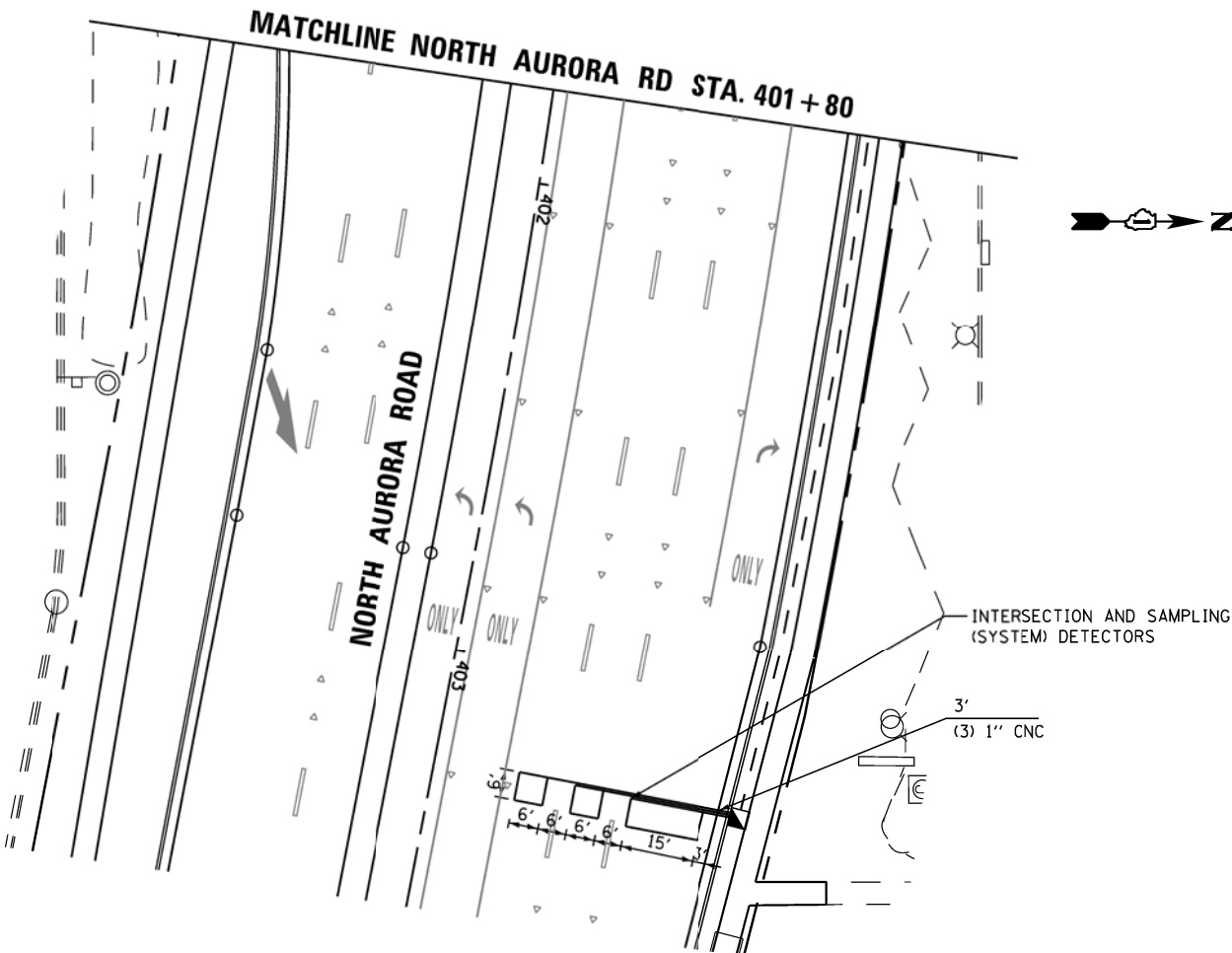
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	649
TS-57			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				

INTERSECTION AND (SAMPLING)
 (SYSTEM) DETECTORS



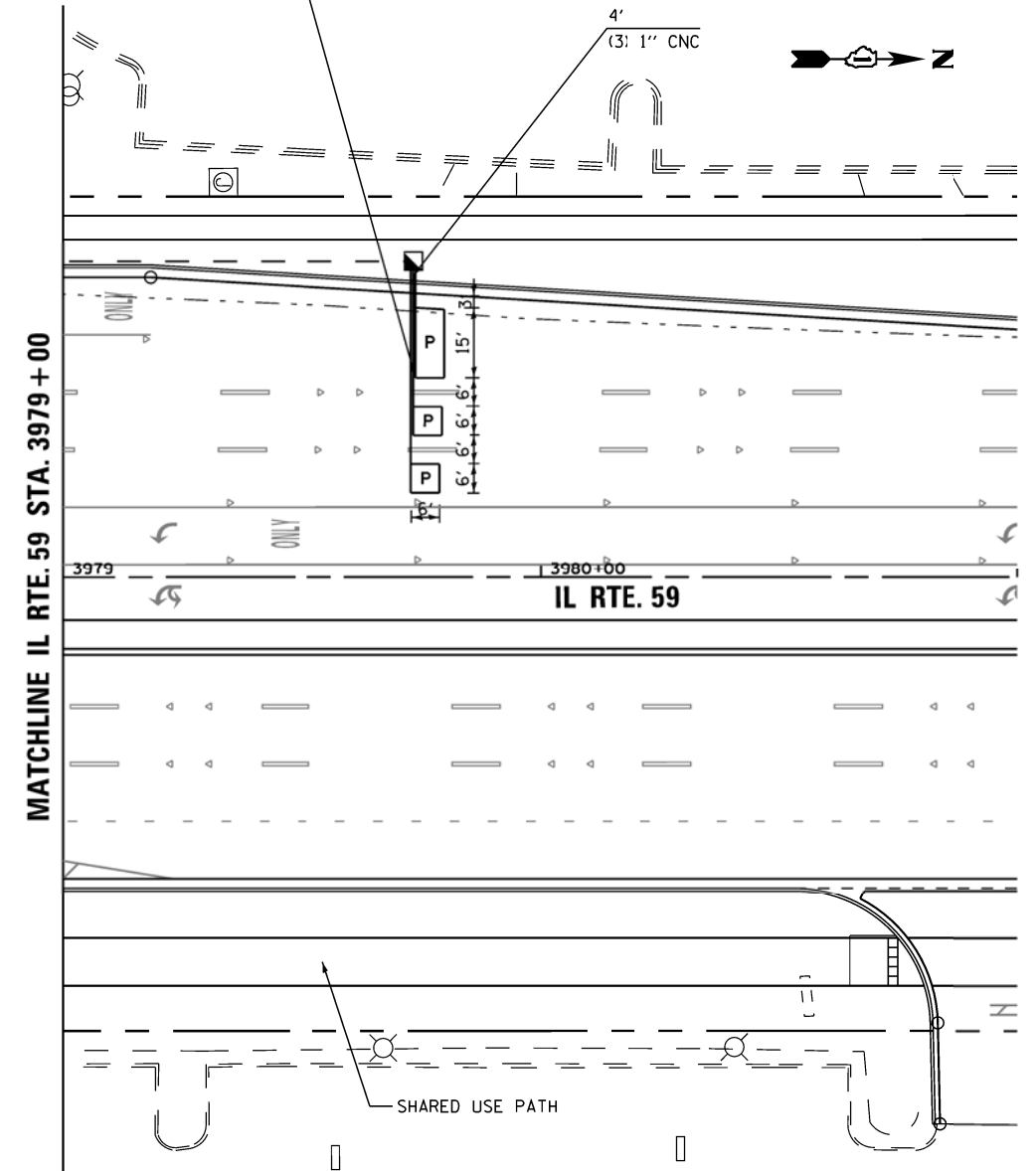
MATCHLINE NORTH AURORA RD STA. 398 + 10

MATCHLINE NORTH AURORA RD STA. 401 + 80



INTERSECTION AND SAMPLING
 (SYSTEM) DETECTORS

INTERSECTION AND (SAMPLING)
 (SYSTEM) DETECTORS



MATCHLINE IL RTE. 59 STA. 3979 + 00

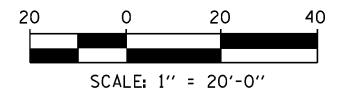
IL RTE. 59

SHARED USE PATH

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

ALL LOOPS WITHIN LIMITS OF PCC ROADWAY
 RECONSTRUCTION SHALL BE PERFORMED TYPE

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL
 WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS
 FOUNDATION, CONDUIT, HAND-OLE, TRENCH AND BACKFILL, ETC., AND NO
 EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH
 AS SHOULDERS, MEDIAN, 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 - DW	REVISED -
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	PLOT SCALE = #SCALE#	CHECKED - KMM	REVISED -
	PLOT DATE = 12/6/2012	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

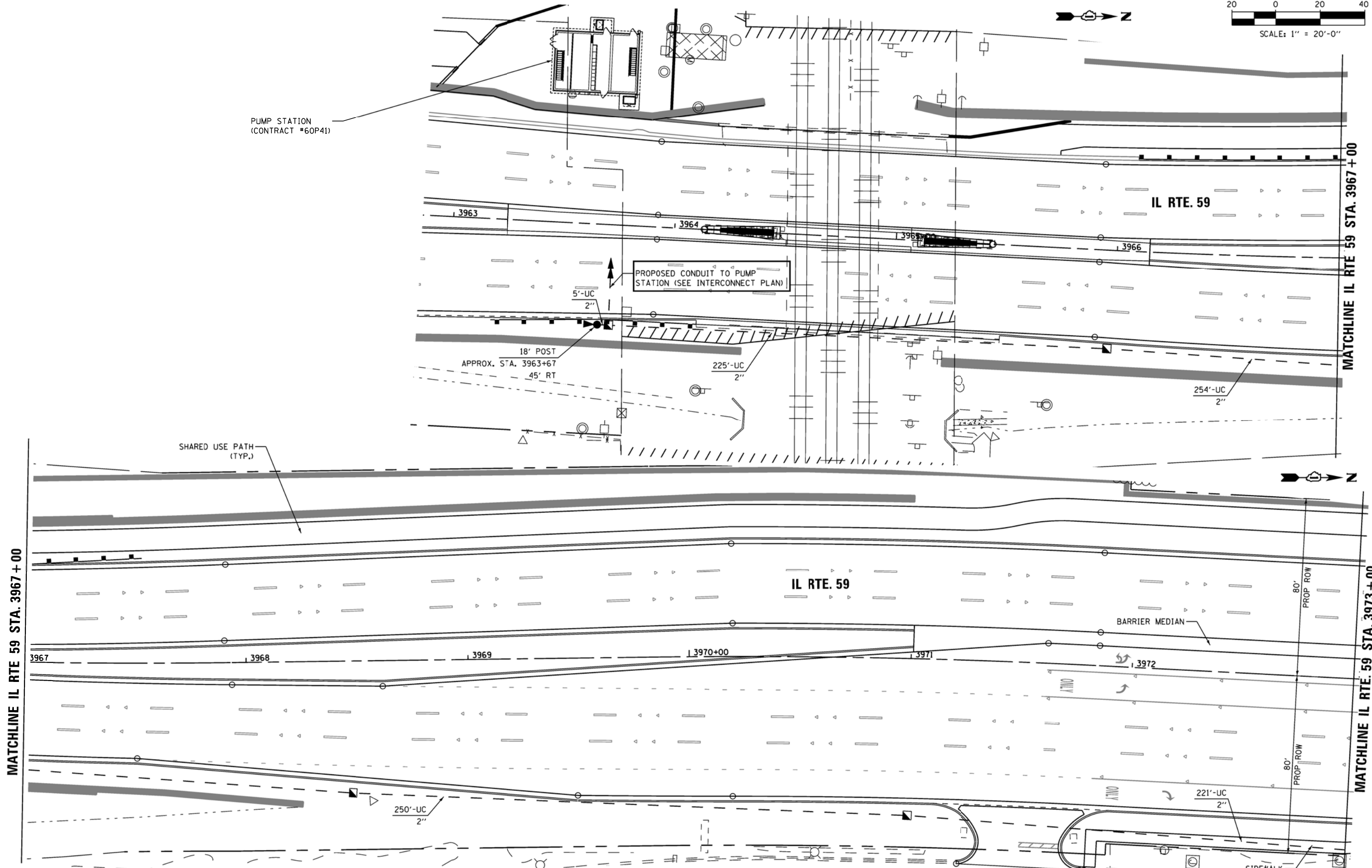
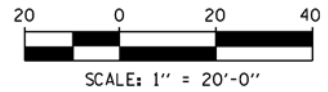
TRAFFIC SIGNAL MODERNIZATION PLAN
 IL RTE 59 AT NORTH AURORA ROAD (2 OF 3)

SCALE: 1"=20'

SHEET NO. 2 OF 3 SHEETS

STA. TO STA.

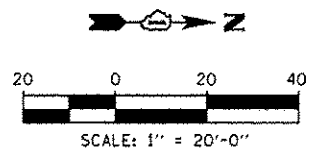
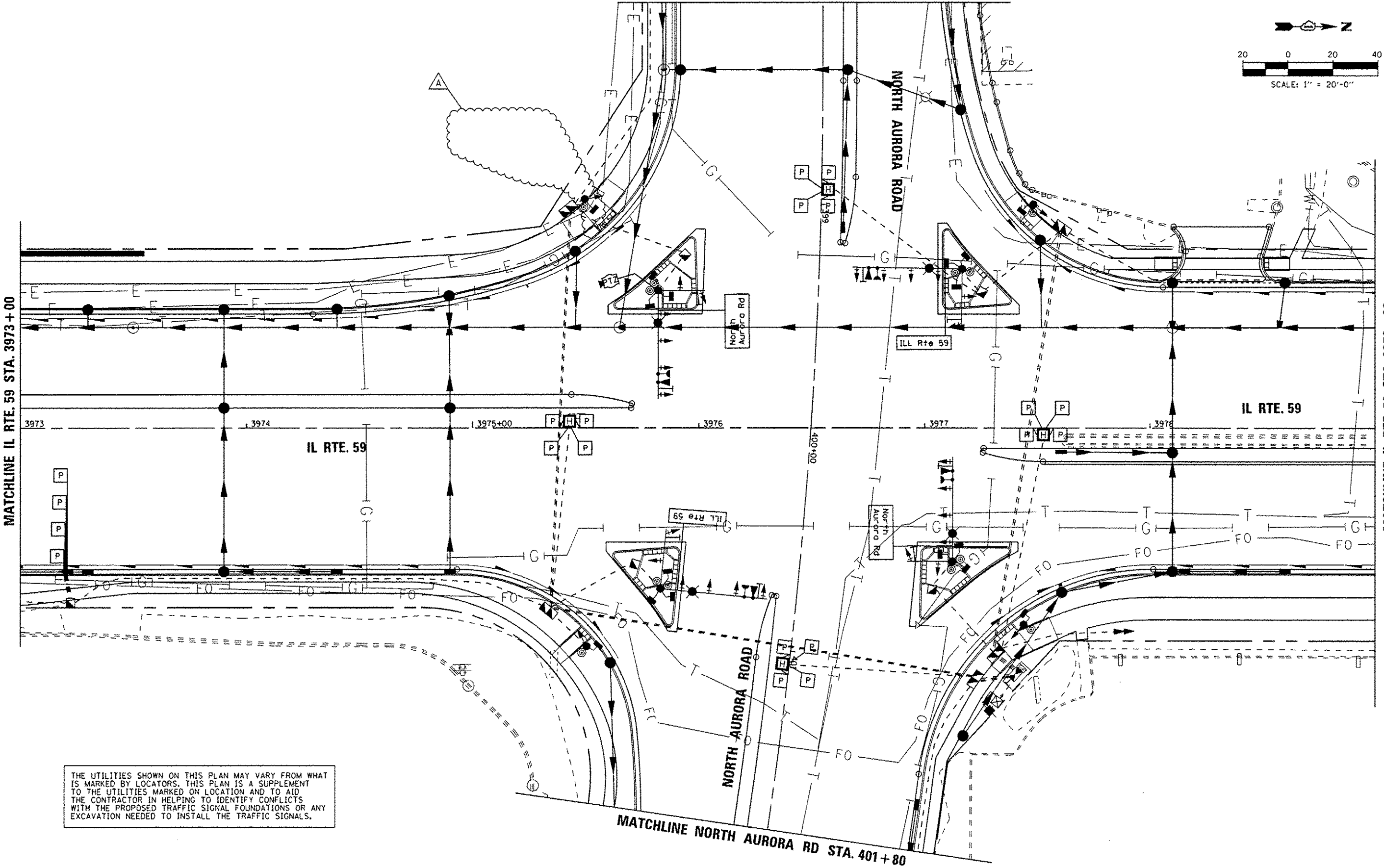
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	650
TS-58		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				



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PLOT SCALE = #SCALE#	CHECKED - KMM	REVISED -	REVISED -		SCALE: 1"=20'	SHEET NO. 3 OF 3 SHEETS	STA. TO STA.	TS- 59		CONTRACT NO. 60R30		
PLOT DATE = 12/6/2012	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

MATCHLINE IL RTE. 59 STA. 3973 + 00

MATCHLINE NORTH AURORA RD STA. 398 + 10



THE UTILITIES SHOWN ON THIS PLAN MAY VARY FROM WHAT IS MARKED BY LOCATORS. THIS PLAN IS A SUPPLEMENT TO THE UTILITIES MARKED ON LOCATION AND TO AID THE CONTRACTOR IN HELPING TO IDENTIFY CONFLICTS WITH THE PROPOSED TRAFFIC SIGNAL FOUNDATIONS OR ANY EXCAVATION NEEDED TO INSTALL THE TRAFFIC SIGNALS.

MATCHLINE IL RTE. 59 STA. 3979 + 00

MATCHLINE NORTH AURORA RD STA. 401 + 80

FILE NAME *	USER NAME * #USER#	DESIGNED - DW	REVISED - Addendum A 02/20/2013
K:\Projects\0908059\Design\Sheet Files\EXHIBIT\6799_wa59\prn\AI-EXHIBIT.dgn		DRAWN - JDH	REVISED -
		CHECKED - KMM	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE PLAN
 IL RTE 59 AT NORTH AURORA ROAD
 SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	652
TS-60			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
90	SO FT	SIGN PANEL - TYPE 1
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
2013	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
284	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
66	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.
1410	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
12	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
5	EACH	DOUBLE HANDHOLE
3572	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
6448	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
5774	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
3797	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
8696	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
41	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
2425	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 48 FT. AND 22 FT.
24	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
60	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
16	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
8	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
24	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
22	EACH	INDUCTIVE LOOP DETECTOR
333	FOOT	DETECTOR LOOP, TYPE I
837	FOOT	PREFORMED DETECTOR LOOP
* 5	EACH	LIGHT DETECTOR
* 1	EACH	LIGHT DETECTOR AMPLIFIER
* 12	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
20	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
1	EACH	CLOSED CIRCUIT TELEVISION DOME CAMERA
* 2971	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
1	EACH	CLOSED CIRCUIT TELEVISION VIDEO CODEC
1	EACH	CLOSED CIRCUIT TELEVISION EQUIPMENT, FIBER OPTIC DISTRIBUTION
1	L SUM	MODIFICATION OF EXISTING VIDEO DISTRIBUTION SYSTEM
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
1	EACH	FULL-ACTUATED CONTROLLER AND SUPER P CABINET, TYPE IV, SPECIAL
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 48 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT. AND 50 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 26 FT. AND 50 FT.
* 4	EACH	ILLUMINATED STREET NAME SIGN

* 100% COST TO THE CITY OF NAPERVILLE

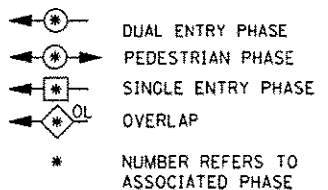
I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	28	135	17	0.50	238
(YELLOW)	28	135	25	0.25	175
(GREEN)	28	135	15	0.25	105
ARROW	24	135	12	0.10	29
PED. SIGNAL	16	90	25	1.00	400
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	4	--	90	0.50	180
VIDEO SYSTEM	1	150	--	1.00	150
TOTAL =					1377

ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
201 W. CENTER CT.
SCHAUMBURG, IL 60196

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
PHONE NAPERVILLE ELECTRIC DEPT.
630-420-6653

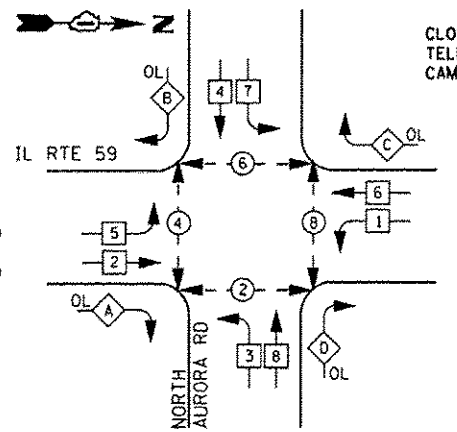
LEGEND



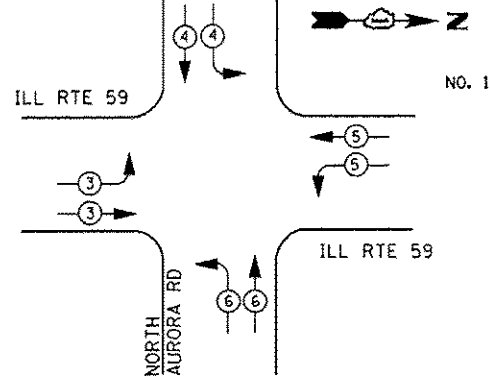
RIGHT TURN OVERLAP PHASE DESIGNATION

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

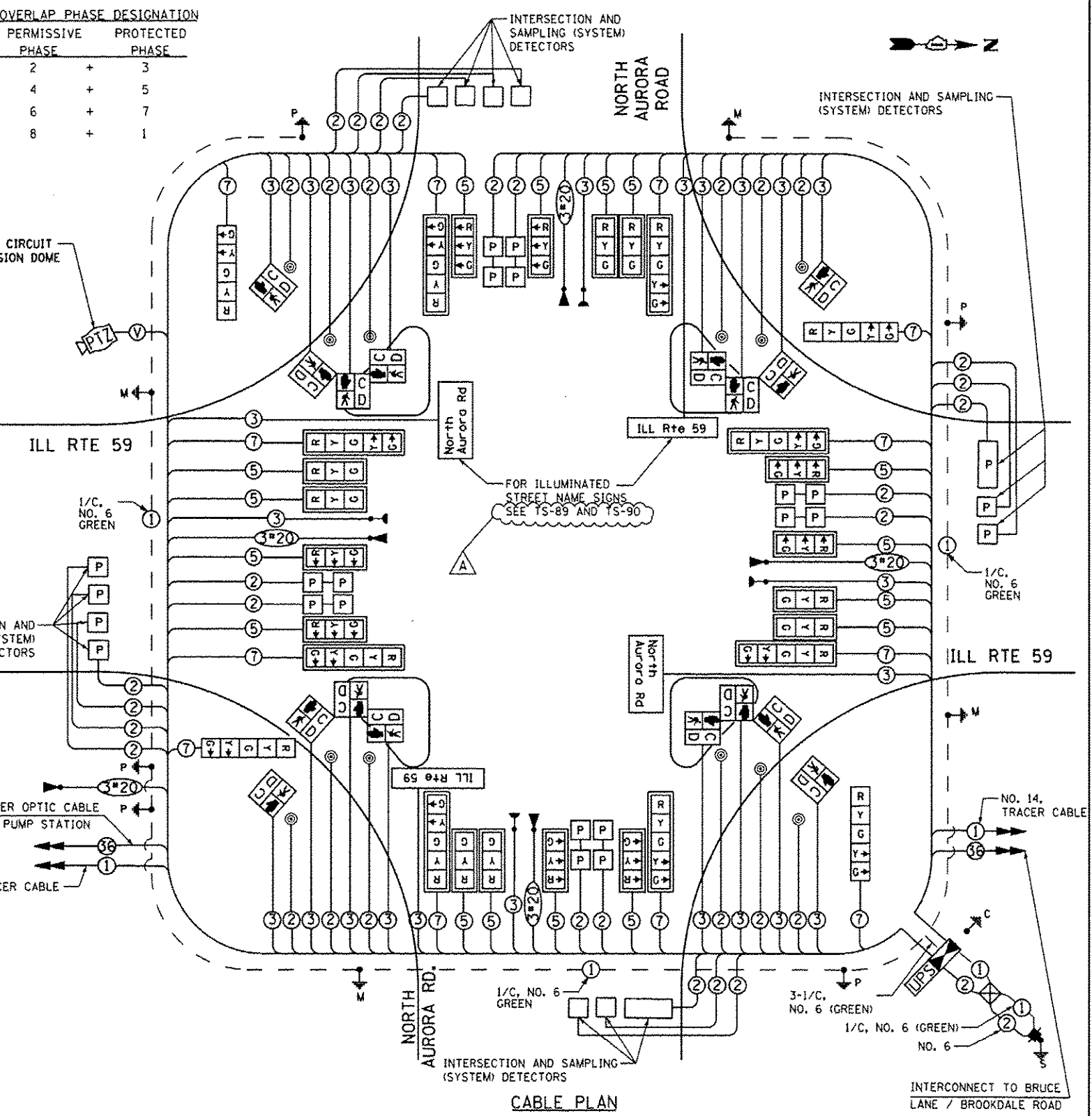
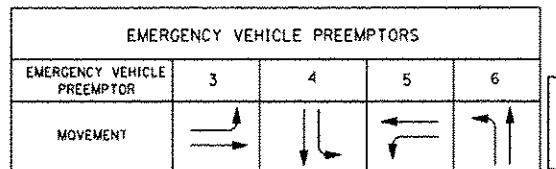
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE



FOR COMBINATION POLE LIGHTING AND WIRING SEE ROADWAY LIGHTING PLANS SHEET 6 OF 15, TS-94 AND TS-96

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

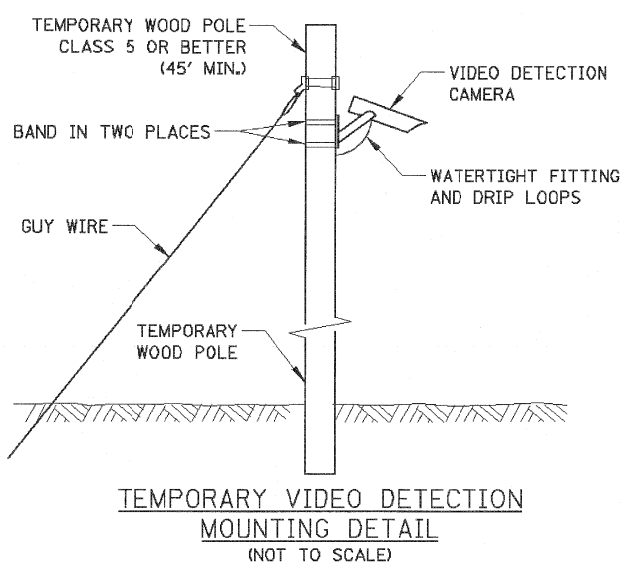
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

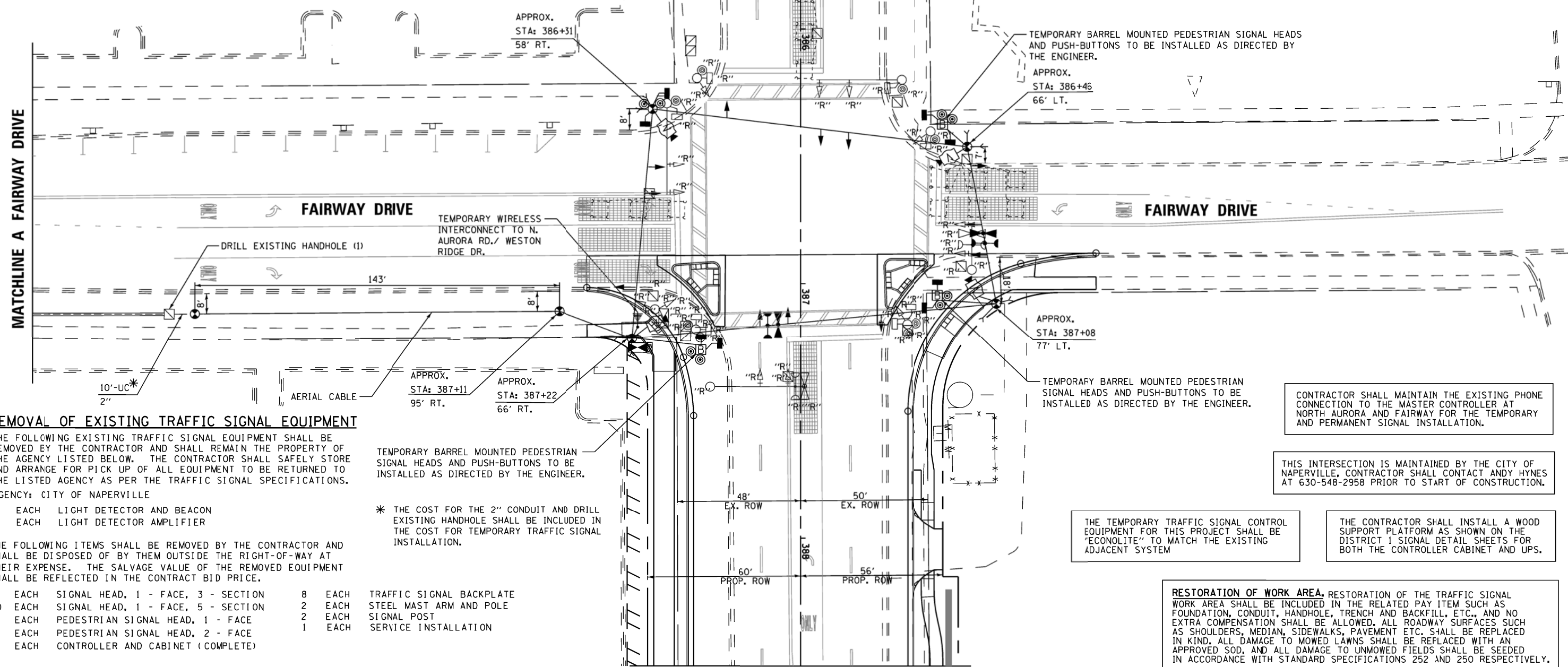
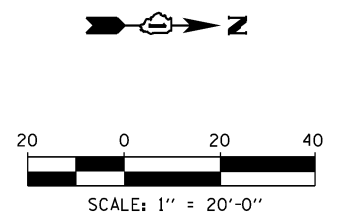
ILLINOIS ROUTE 59 AND NORTH AURORA ROAD - CABLE PLAN.
SCHEDULE OF QUANTITIES, PHASE DESIGN. DIAGRAM & EVP SEQUENCE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
538	(112 & 113) WRS-7	DUPAGE	1156	653
TS-61			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				

FILE NAME	USER NAME	DESIGNED	REVISED
K:\Projects\190805\Design\Sheet Files\679\va9cab\va.dgn	*USER*	DW	Addendum A 02/20/2013
		JDM	
		KMM	



MATCHLINE NORTH AURORA ROAD STA. 384 + 70



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

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

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.

- | | |
|--|---------------------------------|
| 3 EACH SIGNAL HEAD, 1 - FACE, 3 - SECTION | 8 EACH TRAFFIC SIGNAL BACKPLATE |
| 10 EACH SIGNAL HEAD, 1 - FACE, 5 - SECTION | 2 EACH STEEL MAST ARM AND POLE |
| 4 EACH PEDESTRIAN SIGNAL HEAD, 1 - FACE | 2 EACH SIGNAL POST |
| 2 EACH PEDESTRIAN SIGNAL HEAD, 2 - FACE | 1 EACH SERVICE INSTALLATION |
| 1 EACH CONTROLLER AND CABINET (COMPLETE) | |

TEMPORARY BARREL MOUNTED PEDESTRIAN SIGNAL HEADS AND PUSH-BUTTONS TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

* THE COST FOR THE 2" CONDUIT AND DRILL EXISTING HANDHOLE SHALL BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

TEMPORARY BARREL MOUNTED PEDESTRIAN SIGNAL HEADS AND PUSH-BUTTONS TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

APPROX. STA: 386+46
66' LT.

APPROX. STA: 387+08
77' LT.

TEMPORARY BARREL MOUNTED PEDESTRIAN SIGNAL HEADS AND PUSH-BUTTONS TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

CONTRACTOR SHALL MAINTAIN THE EXISTING PHONE CONNECTION TO THE MASTER CONTROLLER AT NORTH AURORA AND FAIRWAY FOR THE TEMPORARY AND PERMANENT SIGNAL INSTALLATION.

THIS INTERSECTION IS MAINTAINED BY THE CITY OF NAPERVILLE, CONTRACTOR SHALL CONTACT ANDY HYNES AT 630-548-2958 PRIOR TO START OF CONSTRUCTION.

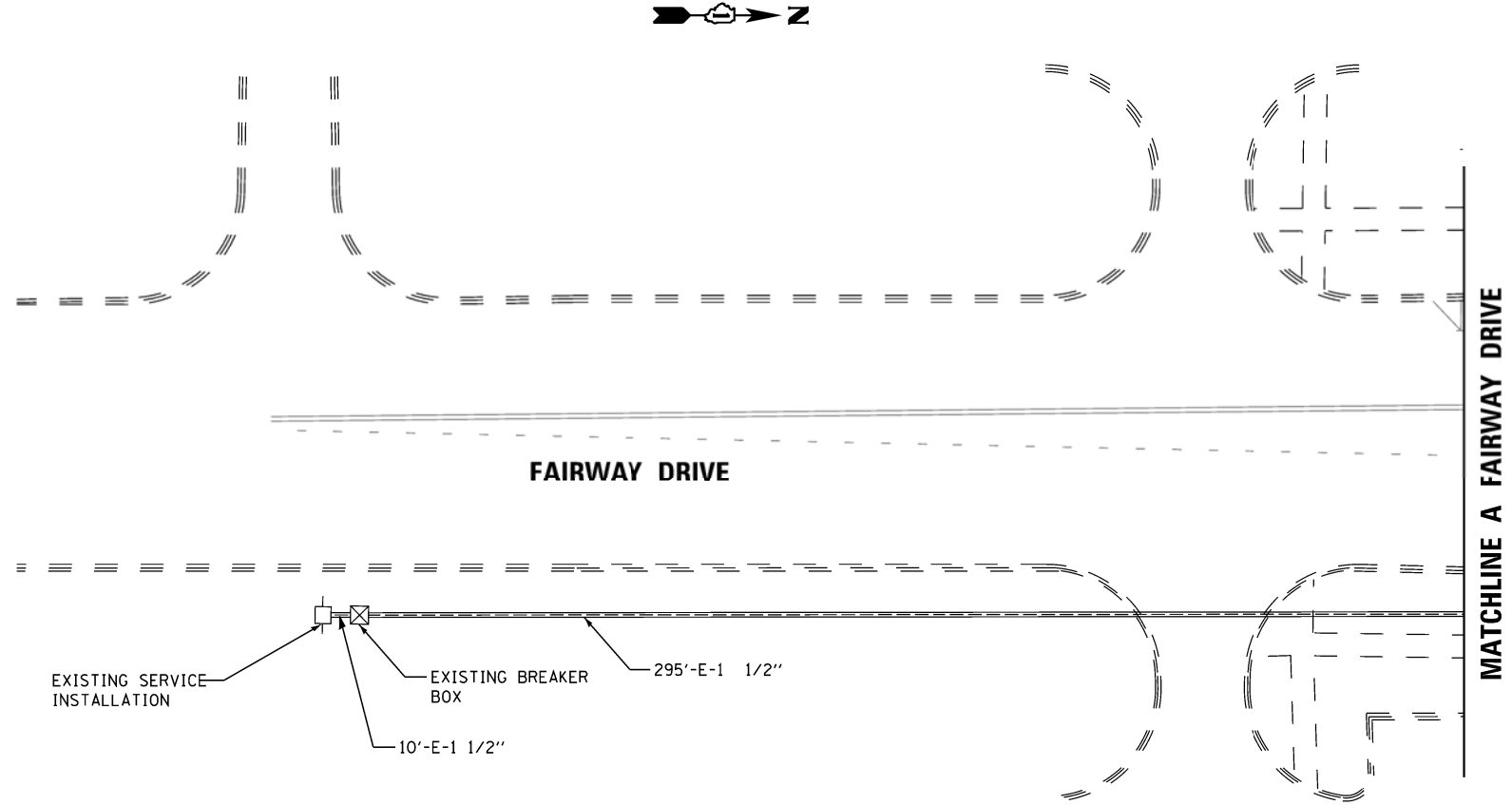
THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.

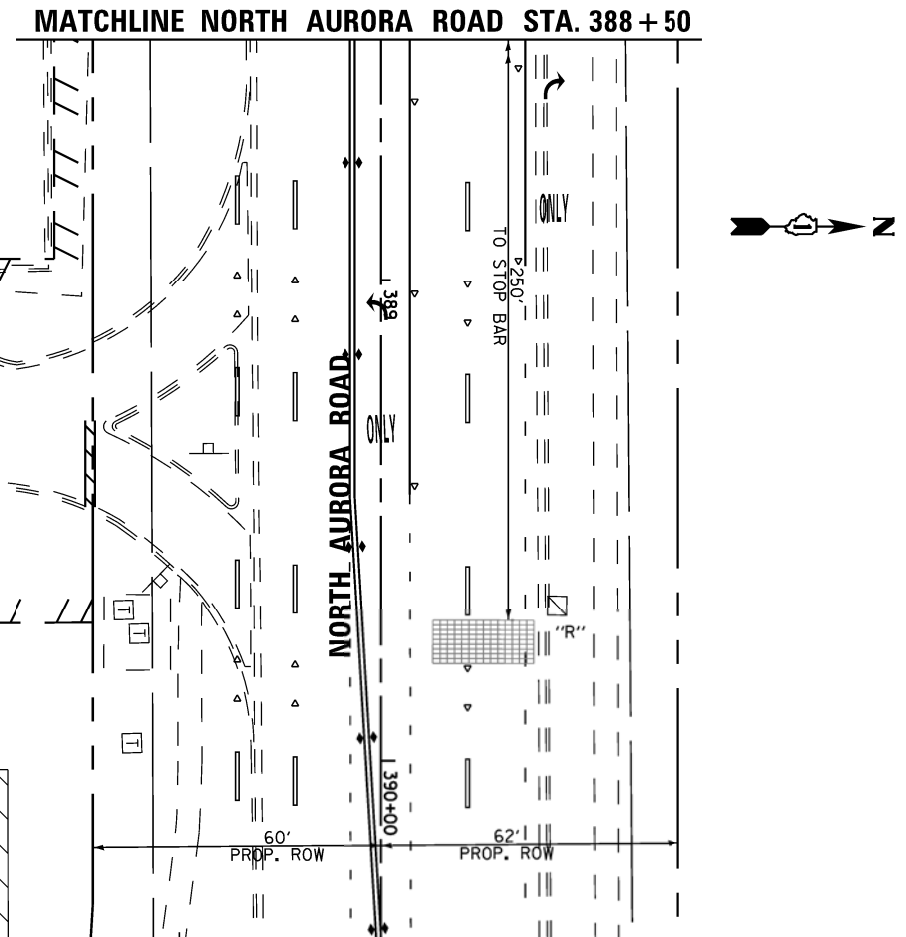
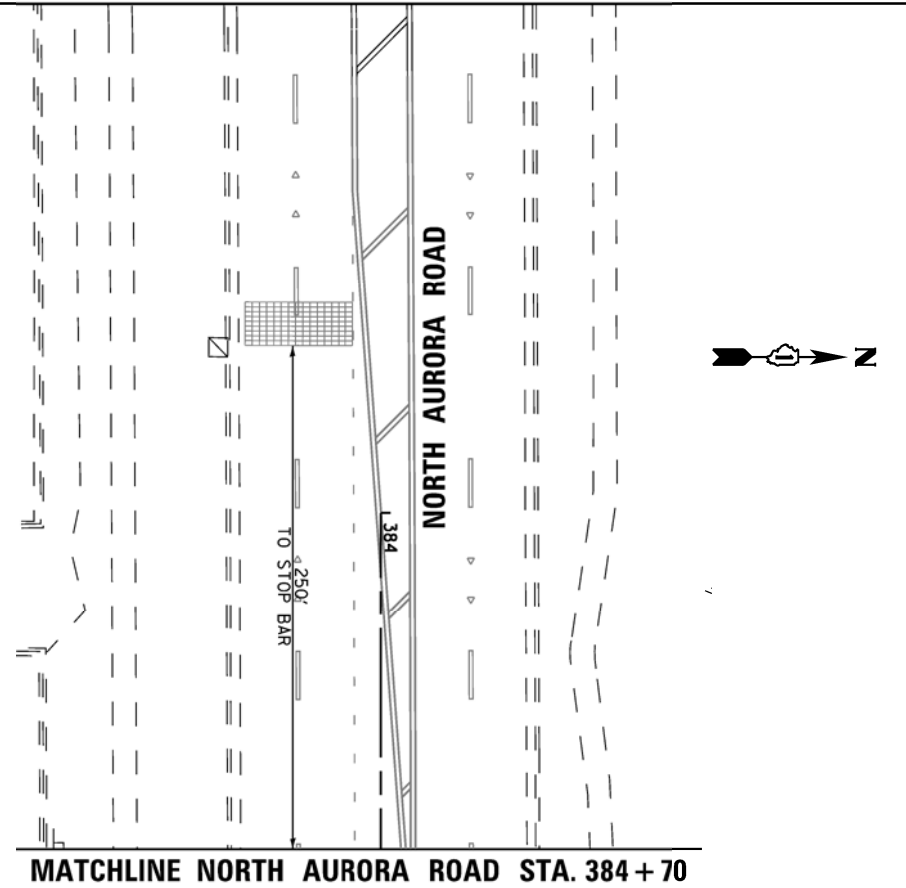
MATCHLINE NORTH AURORA ROAD STA. 388 + 50

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K:\Projects\090059\Design\Sheet Files\6799rwa59tempN1.dgn		DRAWN - JDH	REVISED -		SCALE: 1"=20'	SHEET NO. 1 OF 4 SHEETS	STA. TO STA.	338	(112 & 113) WRS-7	DUPAGE	1156	654
		CHECKED - KMM	REVISED -					TS-62		CONTRACT NO. 60R30		
		DATE - 12/6/2012	REVISED -					ILLINOIS/FED. AID PROJECT				



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

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.



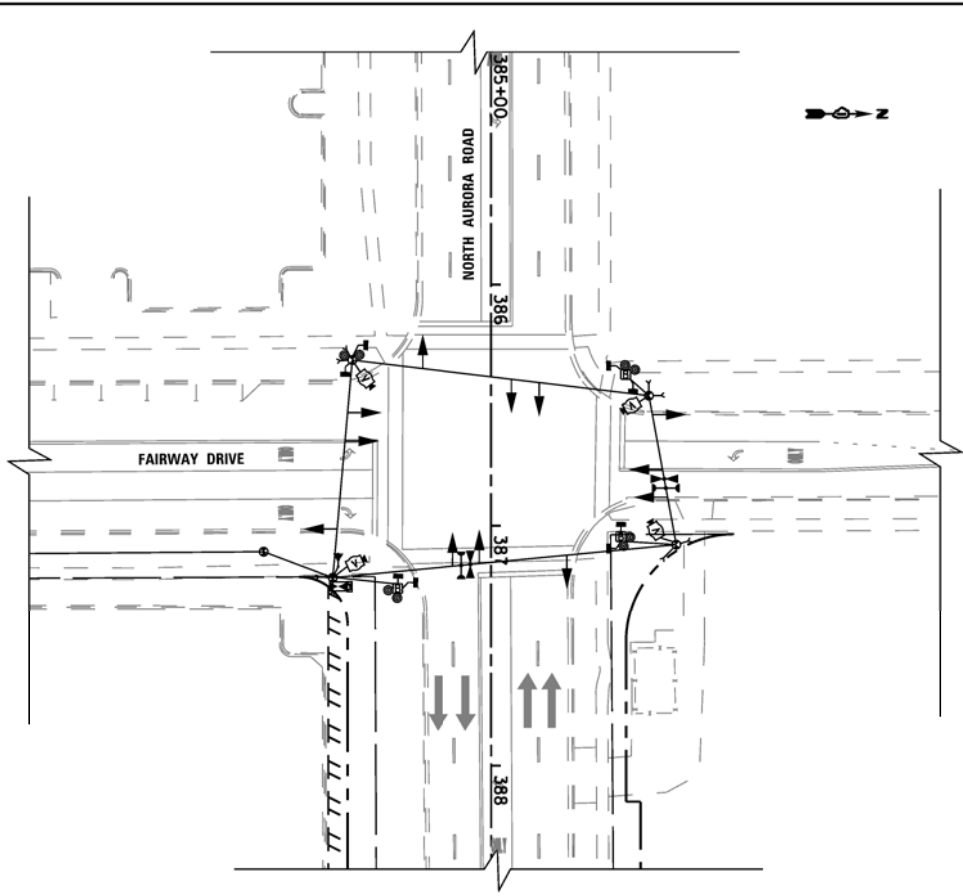
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	PLOT SCALE = #SCALE#	CHECKED - KMM	REVISED -
	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

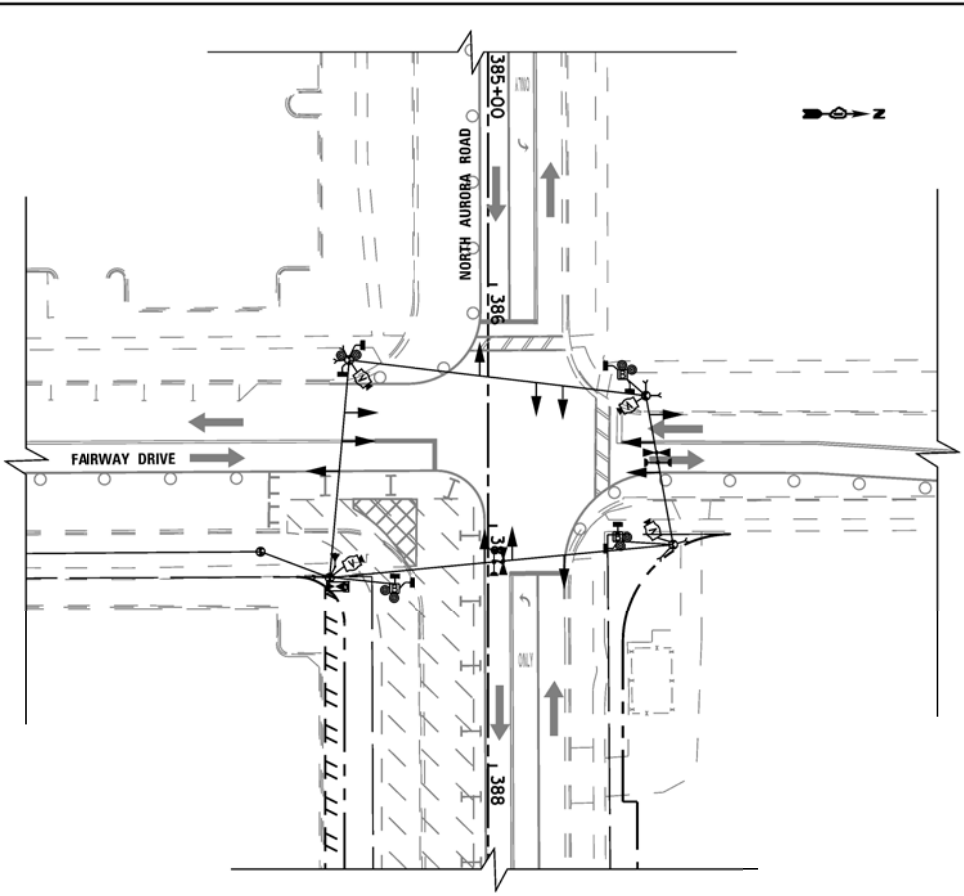
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
 & REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
 IL RTE 59 AT NORTH AURORA ROAD AND FAIRWAY DRIVE**

SCALE: 1"=20' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

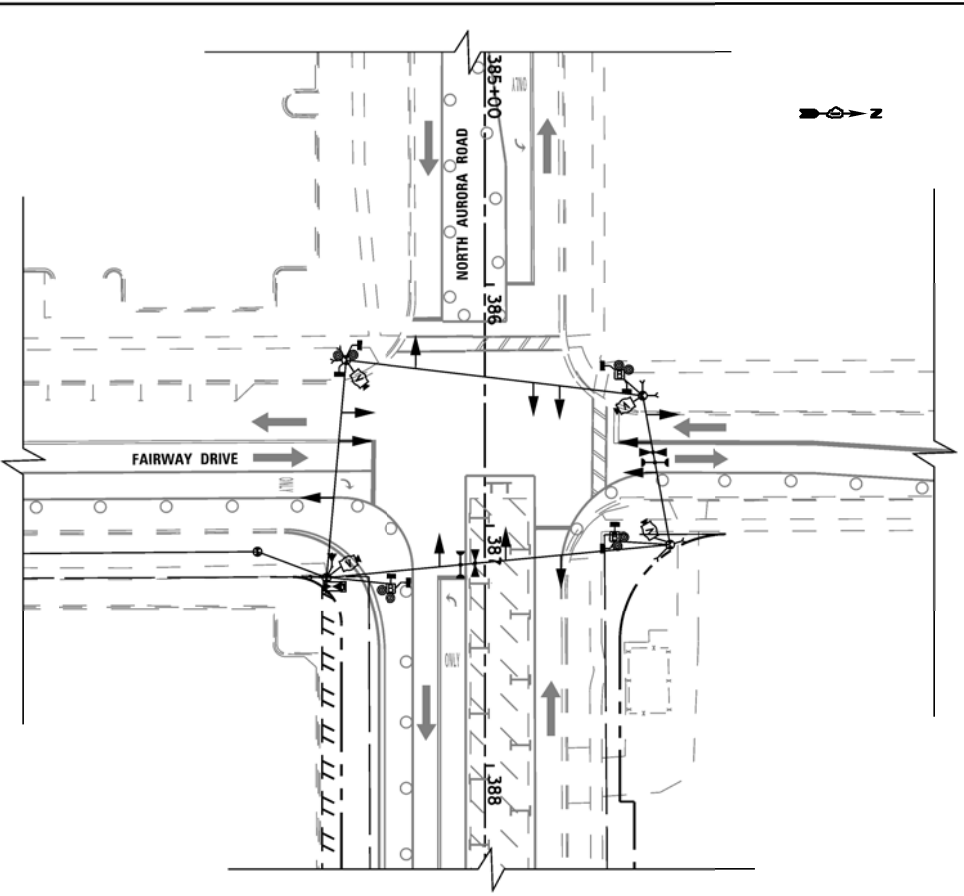
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	655
TS-63		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				



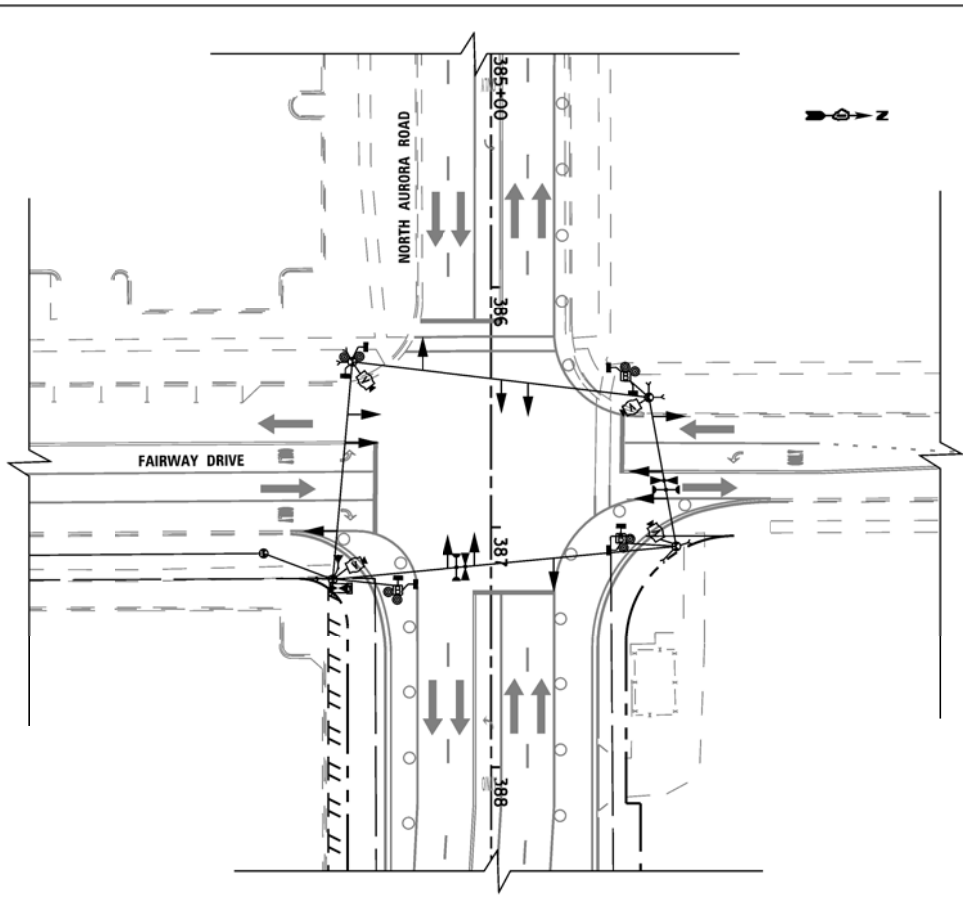
TEMPORARY TRAFFIC SIGNAL STAGE 1



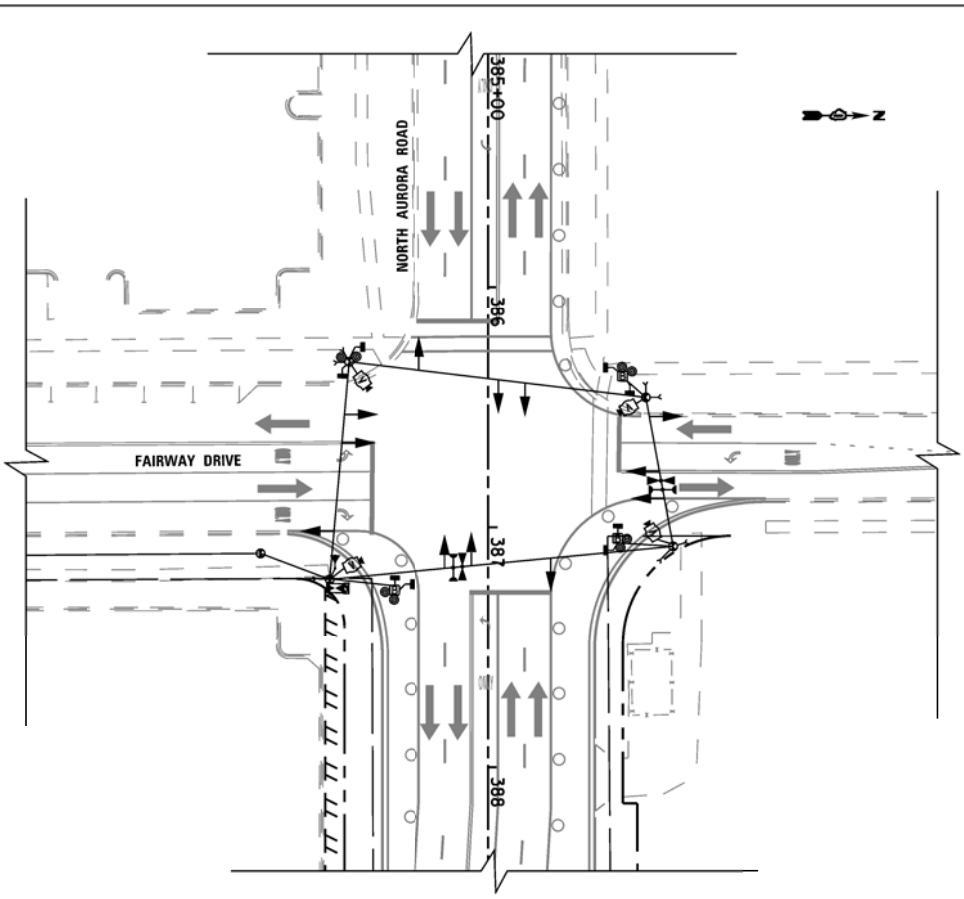
TEMPORARY TRAFFIC SIGNAL STAGE 1A



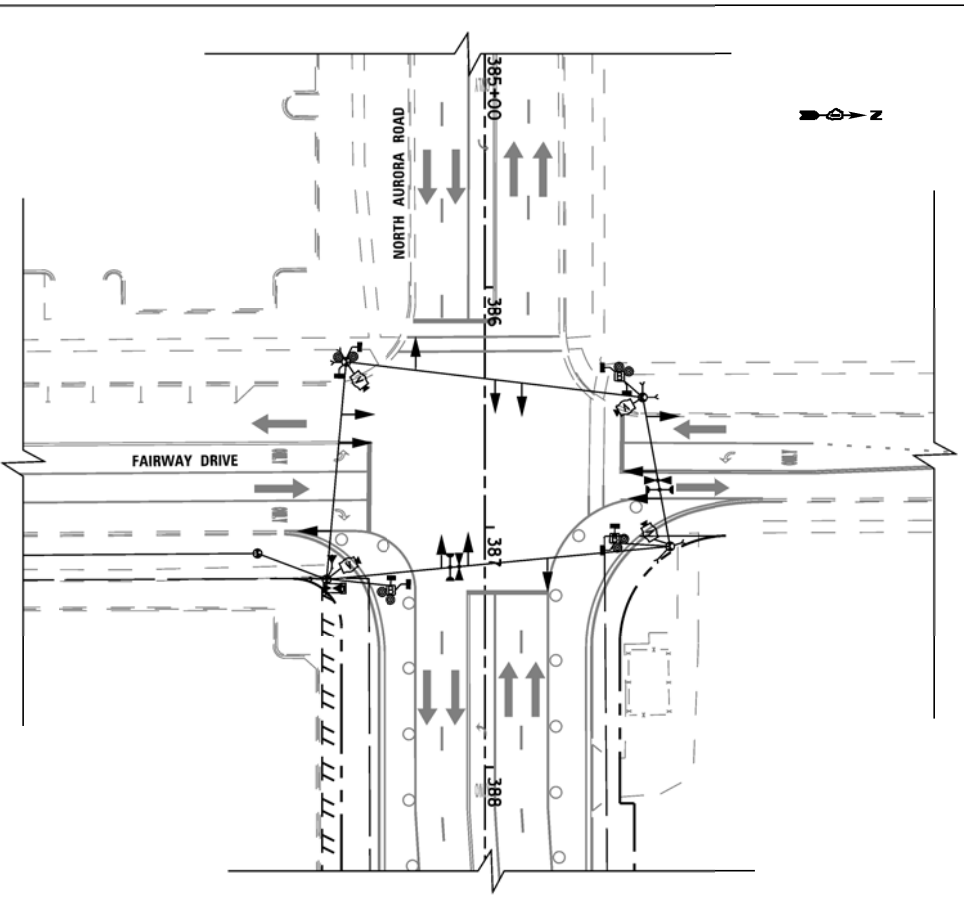
TEMPORARY TRAFFIC SIGNAL STAGE 1B



TEMPORARY TRAFFIC SIGNAL STAGE 2

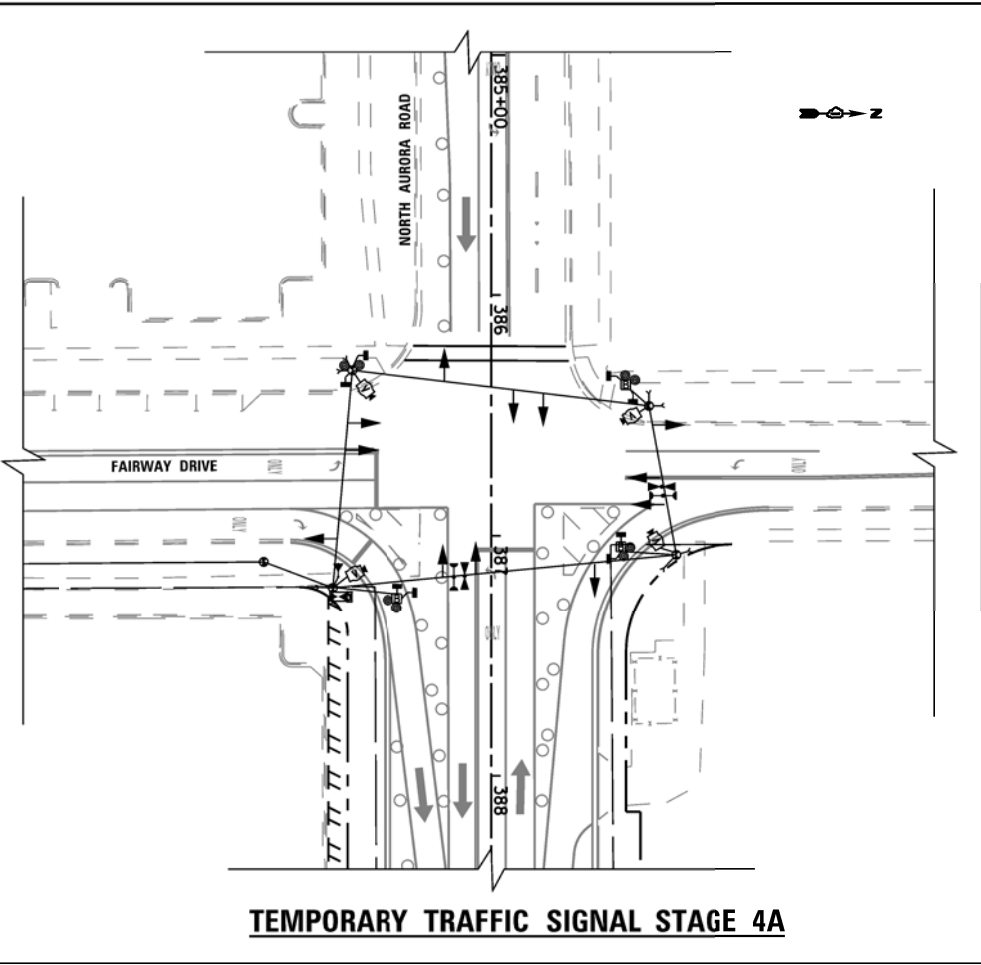
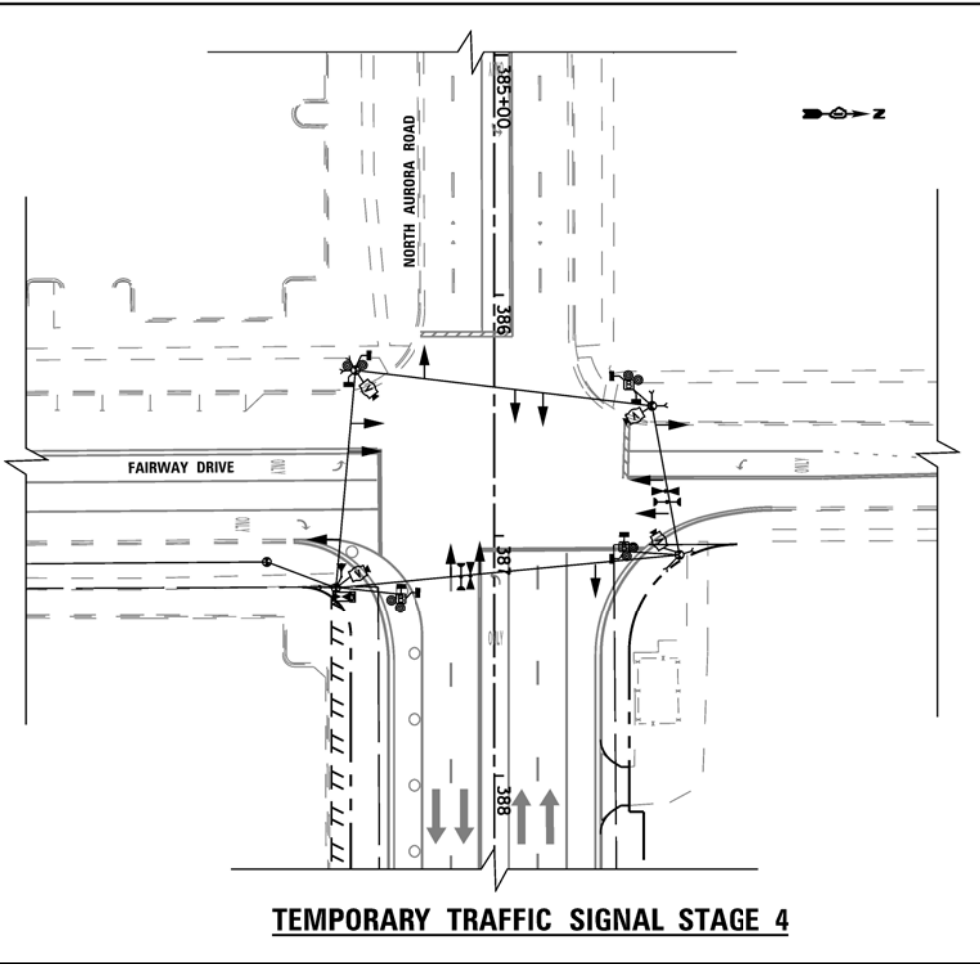
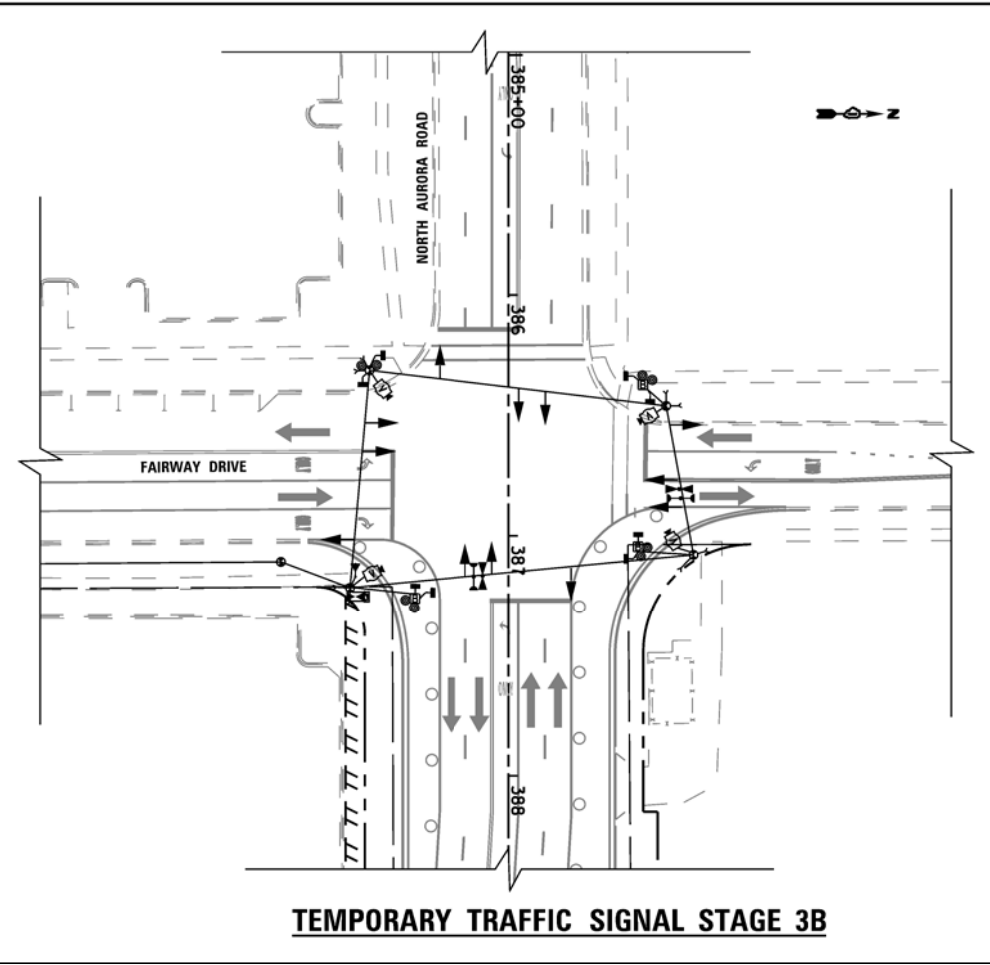


TEMPORARY TRAFFIC SIGNAL STAGE 2A



TEMPORARY TRAFFIC SIGNAL STAGE 3

FILE NAME = K:\Projects\090059\Design\Sheet Files\679rwa59tempNF3.dgn	USER NAME = #USER#	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION MOT STAGING PLAN (1 OF 2) NORTH AURORA ROAD AT FAIRWAY DRIVE			F.A. RTE. 338	SECTION (112 & 113) WRS-7	COUNTY DUPAGE	TOTAL SHEETS 1156	SHEET NO. 656
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	PLOT DATE = 12/6/2012	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



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	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
 MOT STAGING PLAN (2 OF 2)
 NORTH AURORA ROAD AT FAIRWAY DRIVE**

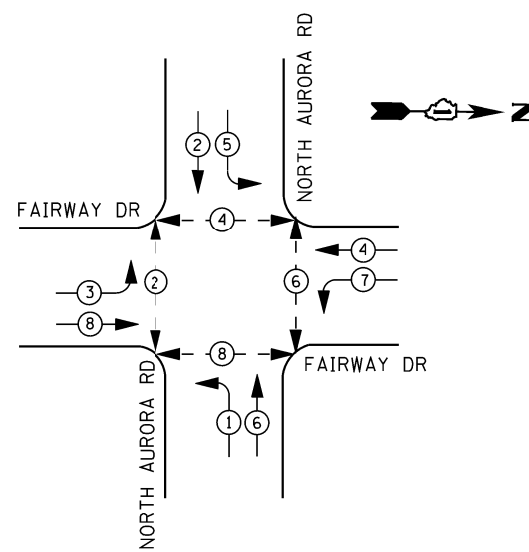
SCALE: NTS SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	657
TS-65		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				

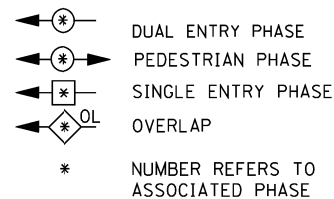
NOTES FOR TEMPORARY TRAFFIC SIGNALS

- 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 RAILROAD INTERSECTIONS. 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, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM 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.

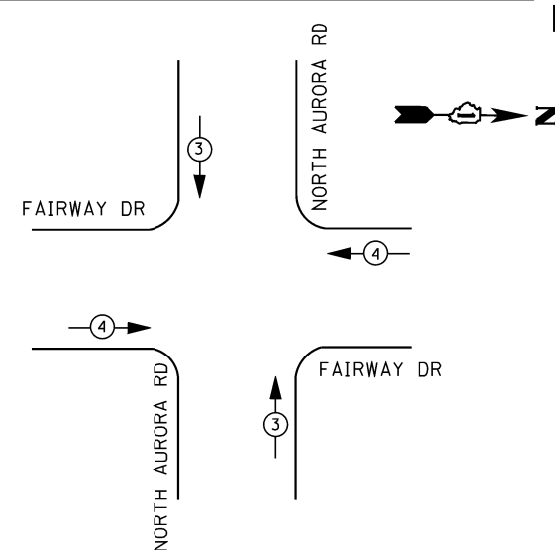
TEMPORARY CONTROLLER SEQUENCE



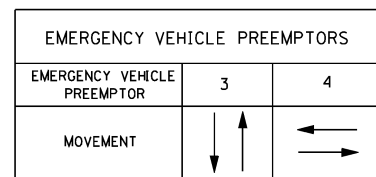
LEGEND



TEMPORARY PHASE DESIGNATION DIAGRAM

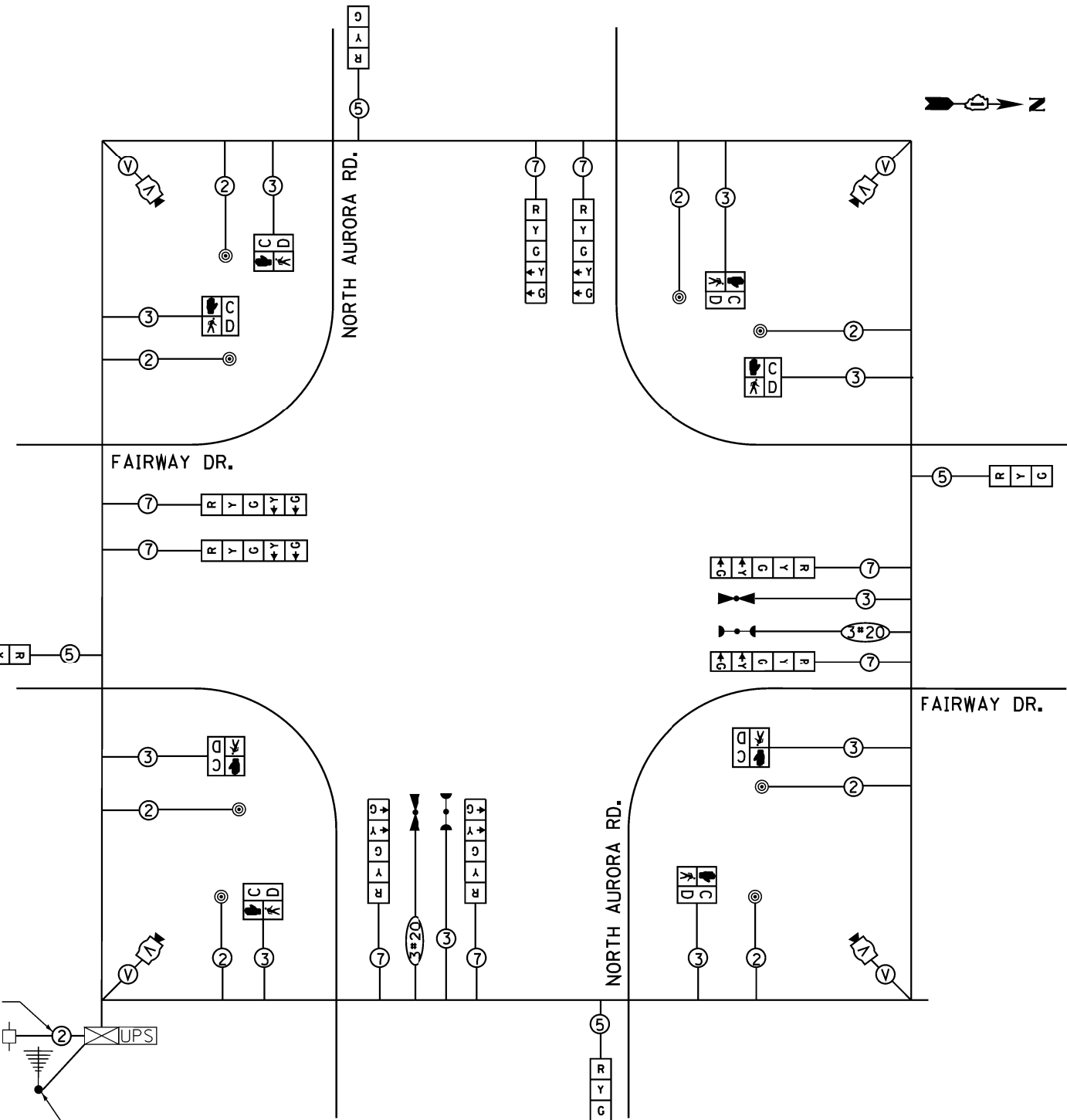


TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED TEMPORARY WIRELESS INTERCONNECT TO N. AURORA ROAD/WESTON RIDGE (SEE TEMP. INTERCONNECT PLAN FOR DETAIL)

TEMPORARY CABLE PLAN



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

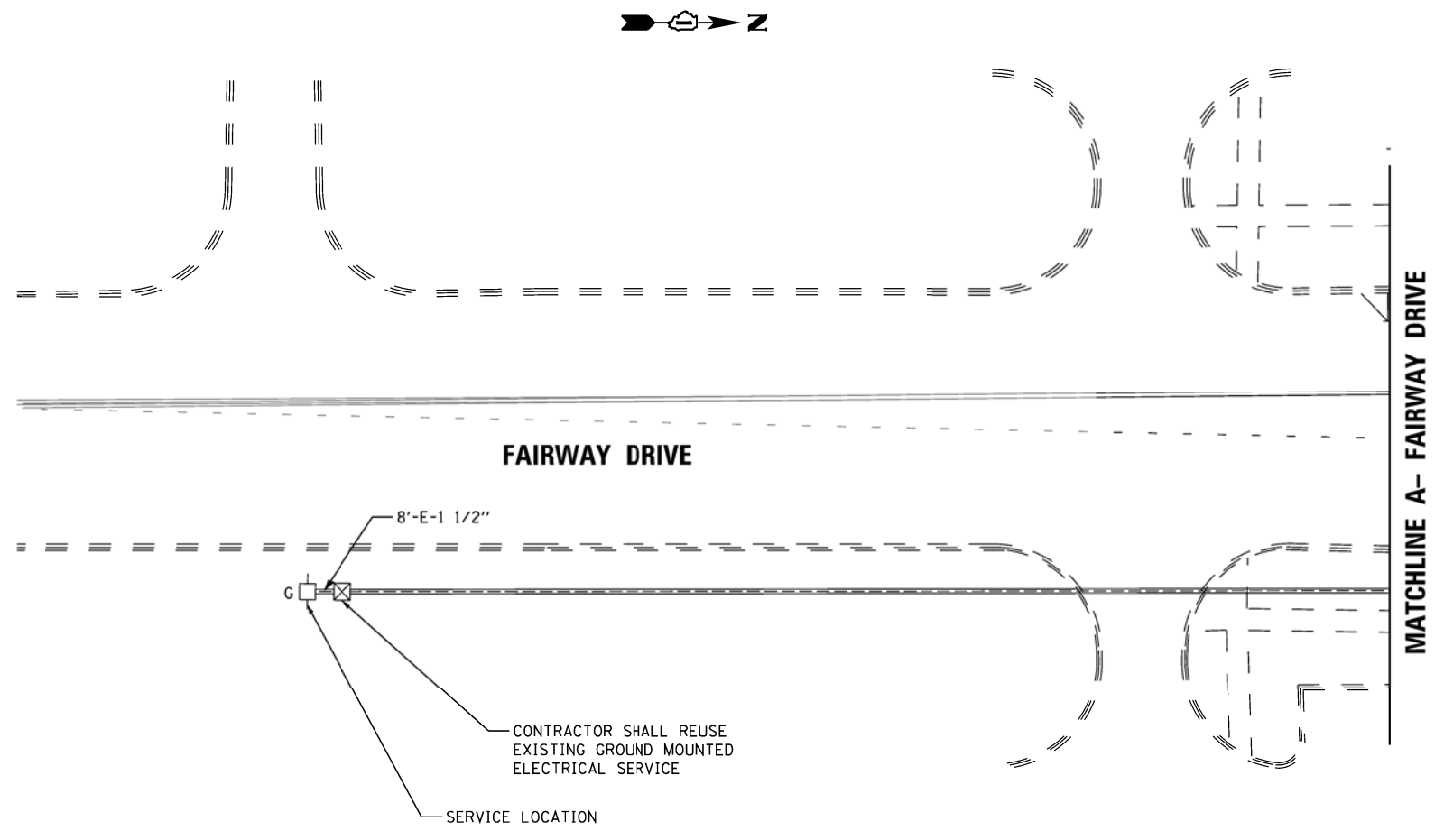
ALL PEDESTRIAN HEADS SHALL BE BAGGED AND DISCONNECTED AT LOCATIONS WHERE EXISTING PAVEMENT IS REMOVED. ALL PEDESTRIAN SIGNAL HEADS SHALL REMAIN BAGGED UNTIL THE PAVEMENT IS RESTORED TO PROVIDE A SAFE CROSSING AREA. USAGE OF PEDESTRIAN SIGNALS IS BASED ON CONSTRUCTION STAGING AND SHALL BE DETERMINED BY THE RESIDENT ENGINEER. IF SIDEWALKS AND PEDESTRIAN CROSSINGS ARE NOT PROVIDED, THE PEDESTRIAN SIGNAL EQUIPMENT SHALL REMAIN DISCONNECTED UNTIL WARRANTED PRIOR TO THE PERMANENT SIGNAL TURN-ON.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACK-FILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, 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.

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12	150	17	0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	12		15	0.25	45
ARROW	16		12	0.10	19
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			25	0.05	--
VIDEO SYSTEM	1		-	1.00	150
FLASHER LED					
TOTAL =					691

ENERGY COSTS- BILLED TO: CITY OF NAPERVILLE
 400 S. EAGLE ST.
 NAPERVILLE, IL 60566

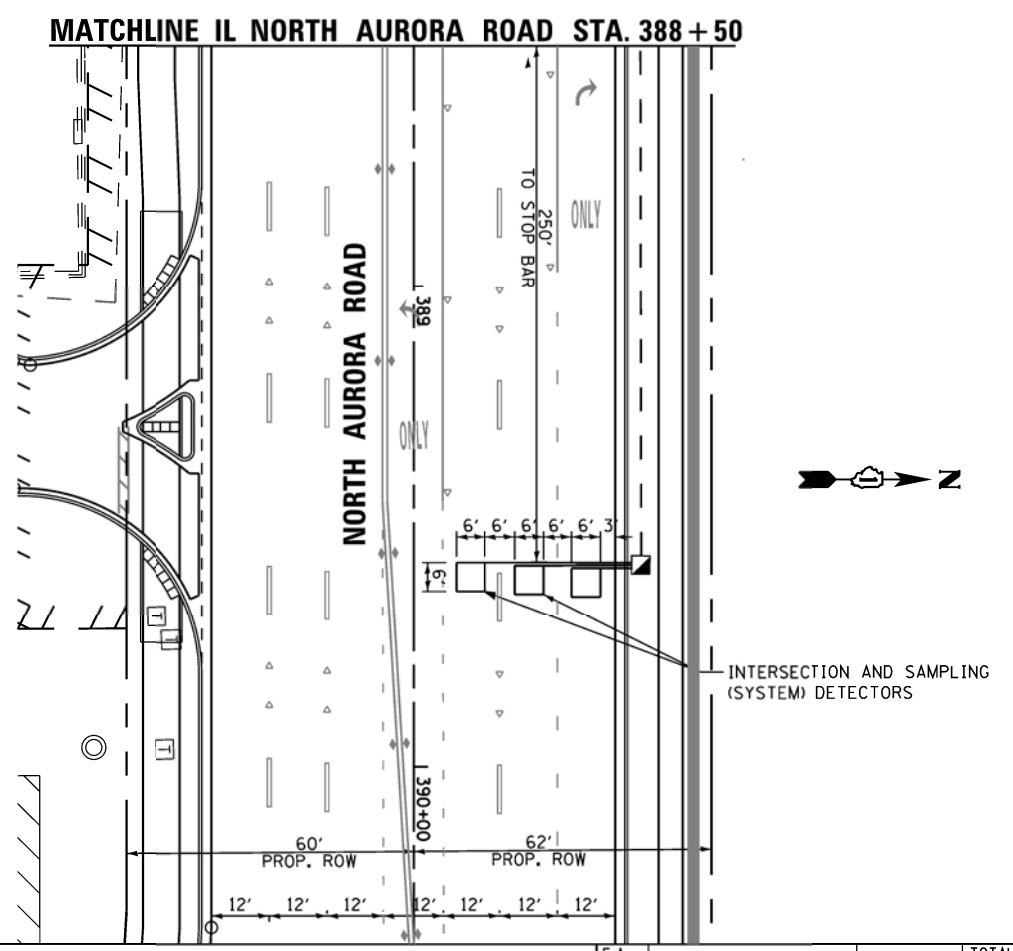
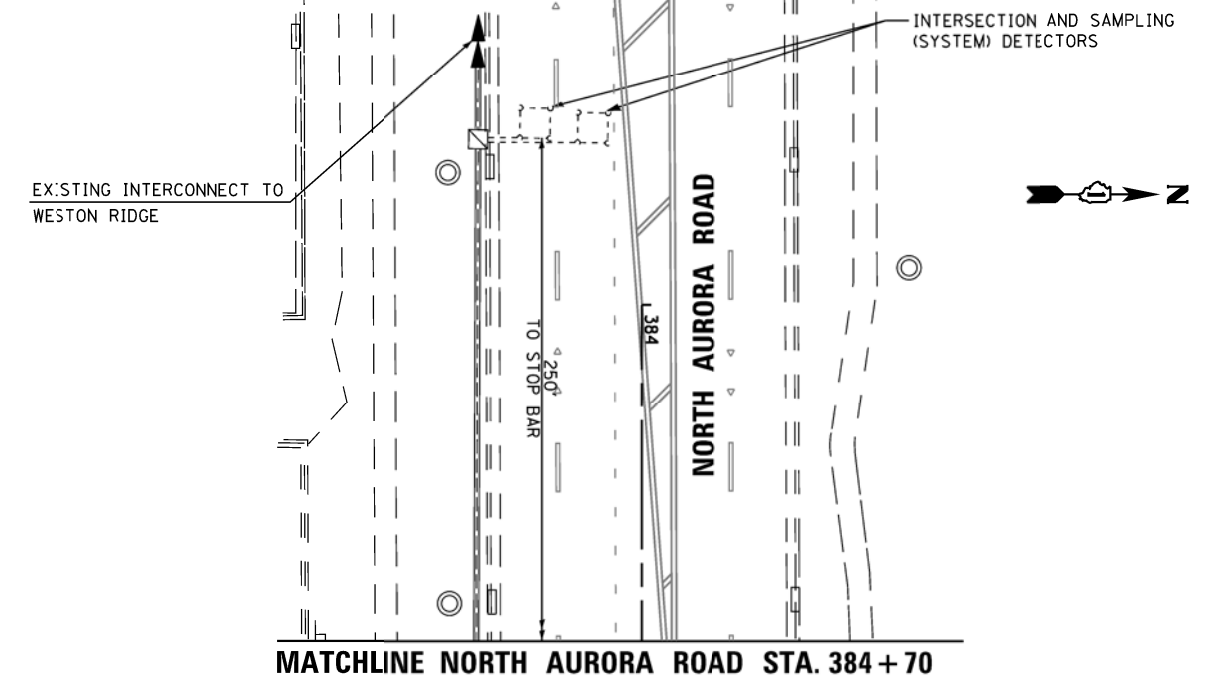
ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
 PHONE NAPERVILLE ELECTRIC DEPT.
 630-420-6653



CONTRACTOR SHALL REUSE EXISTING GROUND MOUNTED ELECTRICAL SERVICE

SERVICE LOCATION

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.



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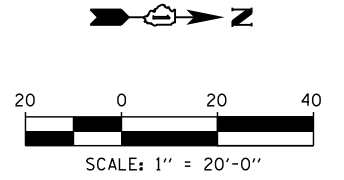
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN
 NORTH AURORA ROAD AT FAIRWAY DRIVE**

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	660
TS-68		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				

MATCHLINE NORTH AURORA ROAD STA. 384 + 70



MATCHLINE A- FAIRWAY DRIVE

NORTH AURORA ROAD

FAIRWAY DRIVE

NORTH AURORA ROAD

MATCHLINE NORTH AURORA ROAD STA. 388 + 50

THE UTILITIES SHOWN ON THIS PLAN MAY VARY FROM WHAT IS MARKED BY LOCATORS. THIS PLAN IS A SUPPLEMENT TO THE UTILITIES MARKED ON LOCATION AND TO AID THE CONTRACTOR IN HELPING TO IDENTIFY CONFLICTS WITH THE PROPOSED TRAFFIC SIGNAL FOUNDATIONS OR ANY EXCAVATION NEEDED TO INSTALL THE TRAFFIC SIGNALS.

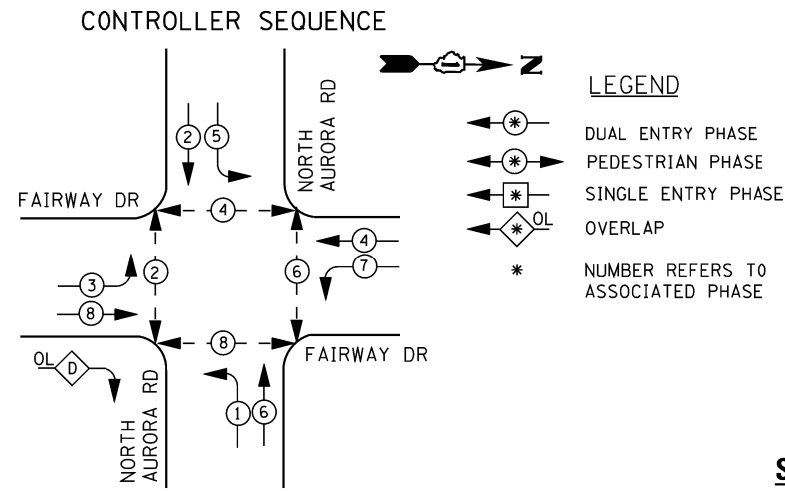
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

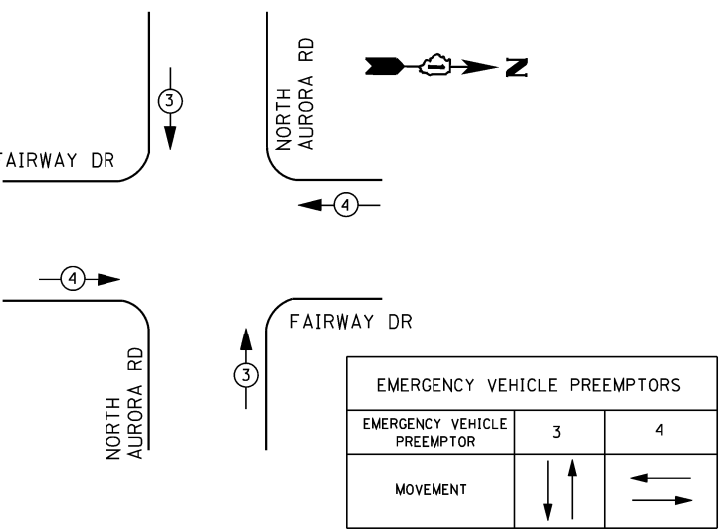
UTILITY REFERENCE PLAN
 NORTH AURORA ROAD AT FAIRWAY DRIVE

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	661
TS-69			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				



PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

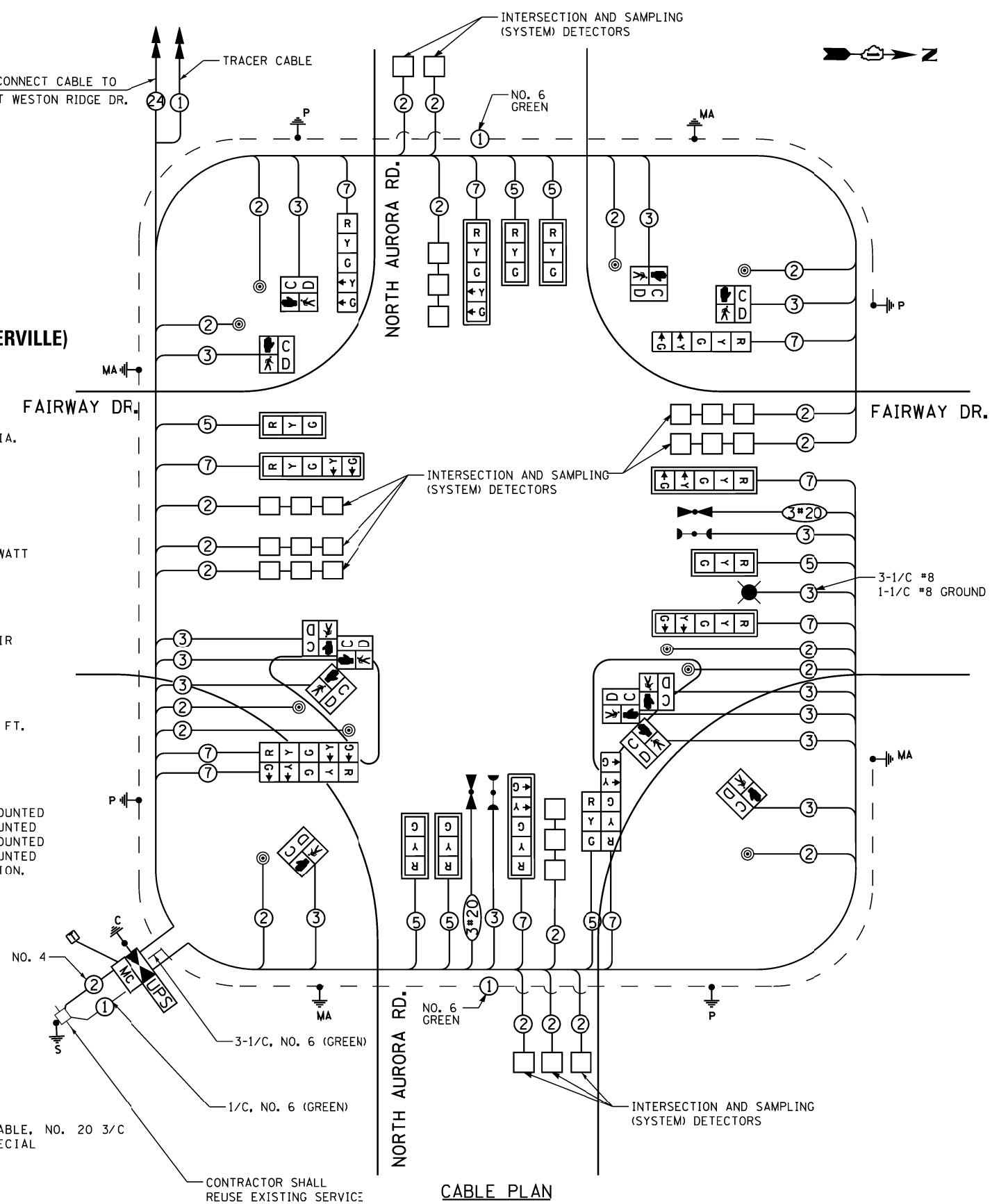
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	13	135	17	0.50	111
(YELLOW)	13	135	25	0.25	82
(GREEN)	13	135	15	0.25	49
ARROW	20	135	12	0.10	24
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	--	-	90	0.50	--
LUMINAIRE	1	400	2	0.50	200
					766

ENERGY COSTS- BILLED TO: CITY OF NAPERVILLE
 400 S. EAGLE ST.
 NAPERVILLE, IL 60566

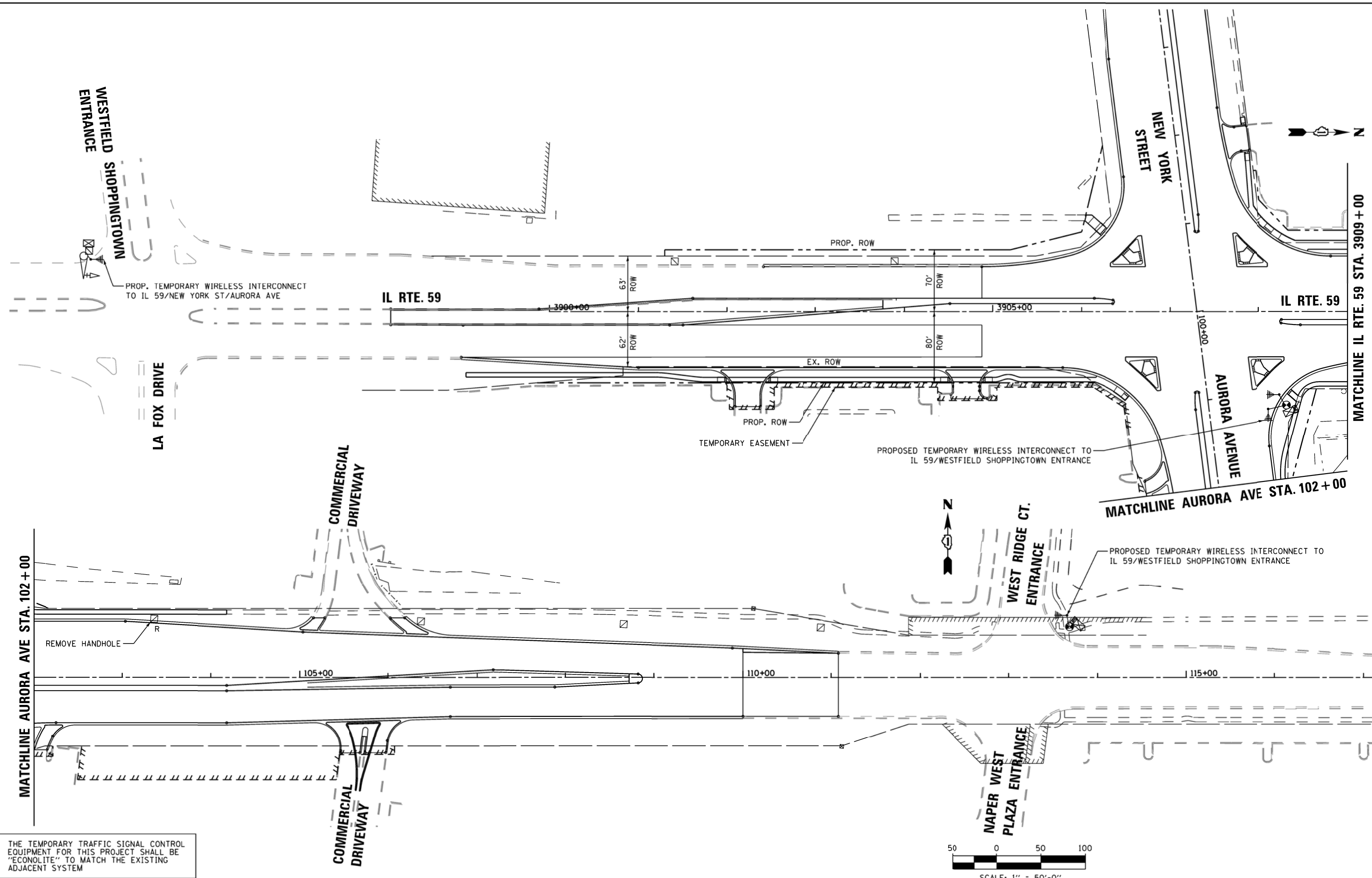
ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
 PHONE NAPERVILLE ELECTRIC DEPT.
 630-420-6653

SCHEDULE OF QUANTITIES (100% COST TO CITY OF NAPERVILLE)

QUANTITY	UNIT	ITEM
15	SO FT	SIGN PANEL - TYPE 1
24	SO FT	SIGN PANEL - TYPE 2
551	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
79	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
33	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
280	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
2	EACH	HANDHOLE
1	EACH	HEAVY-DUTY HANDHOLE
1	EACH	DOUBLE HANDHOLE
237	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8, 1/C NO. 8 GROUND
1	EACH	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT
1	EACH	TRANSCIEVER - FIBER OPTIC
1743	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
2513	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1514	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
2002	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
3090	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
504	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 4 2 C
1280	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.
12	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
14	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
21	FOOT	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER
3	EACH	DRILL EXISTING HANDHOLE
6	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
5	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
6	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
11	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
11	EACH	INDUCTIVE LOOP DETECTOR
443	FOOT	DETECTOR LOOP, TYPE I
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
10	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
2939	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
5	EACH	REMOVE EXISTING HANDHOLE
5	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
385	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	MASTER CONTROLLER (SPECIAL)

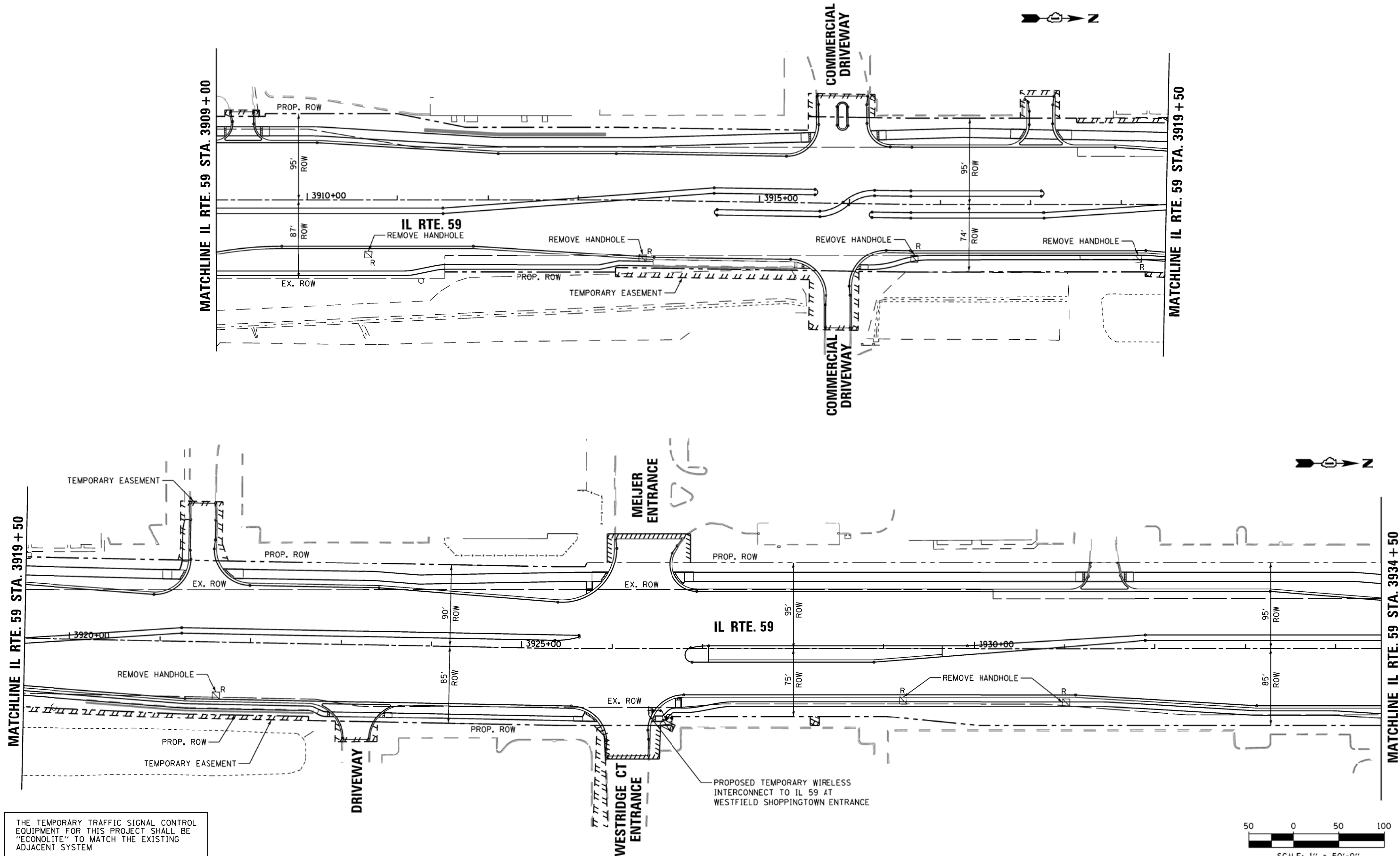


THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

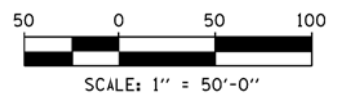


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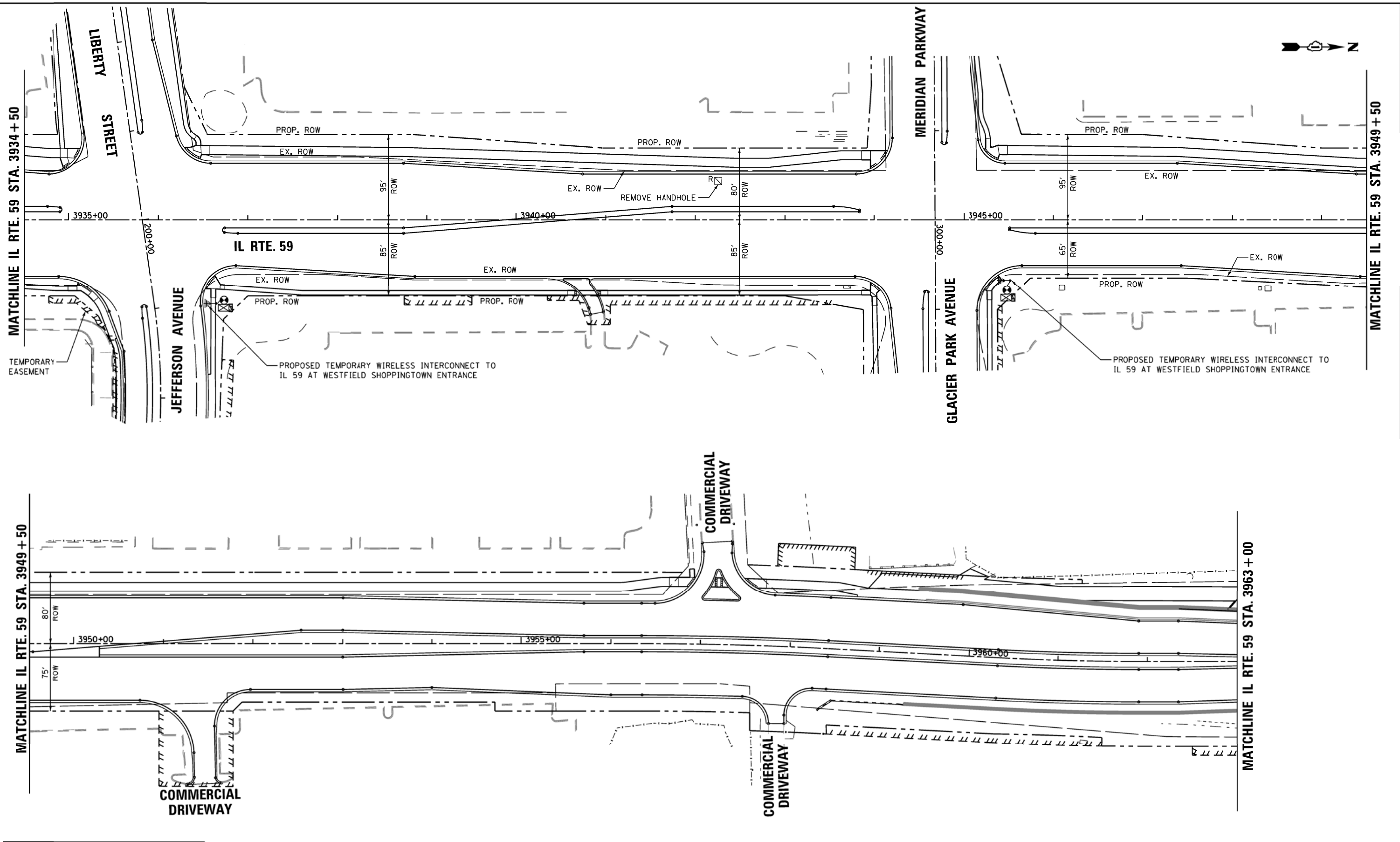
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PLOT DATE = 12/6/2012	DATE -	REVISIED -	REVISIED -		ILLINOIS FED. AID PROJECT							



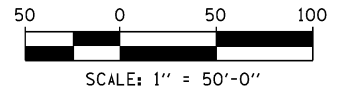
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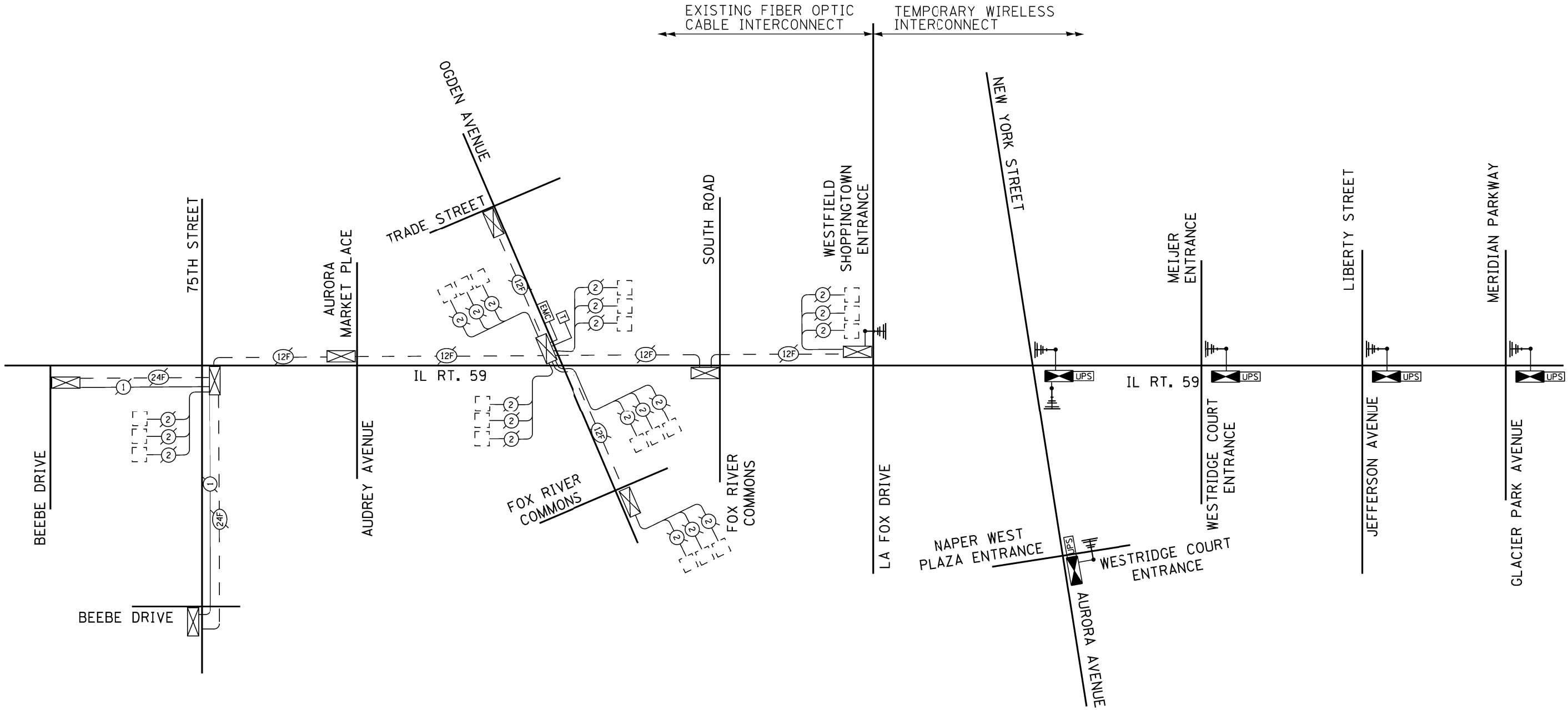
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PLOT DATE = 12/6/2012	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							



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

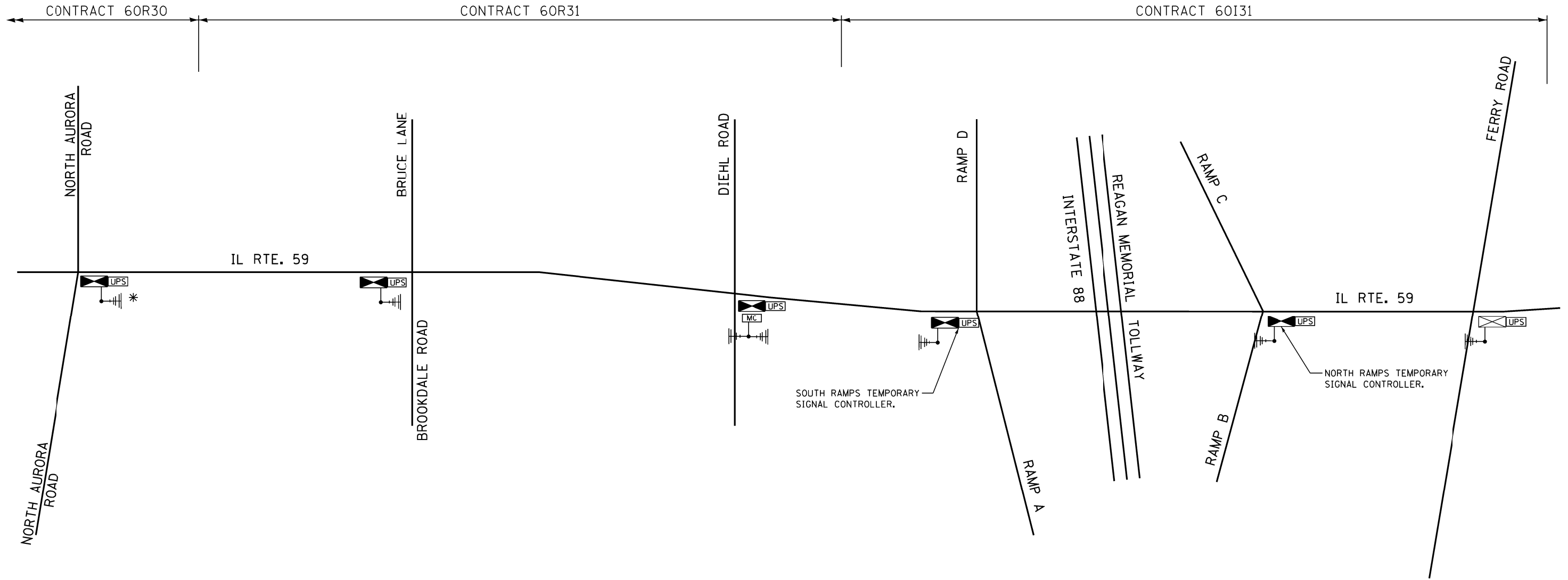


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PLOT DATE = 12/6/2012	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							



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

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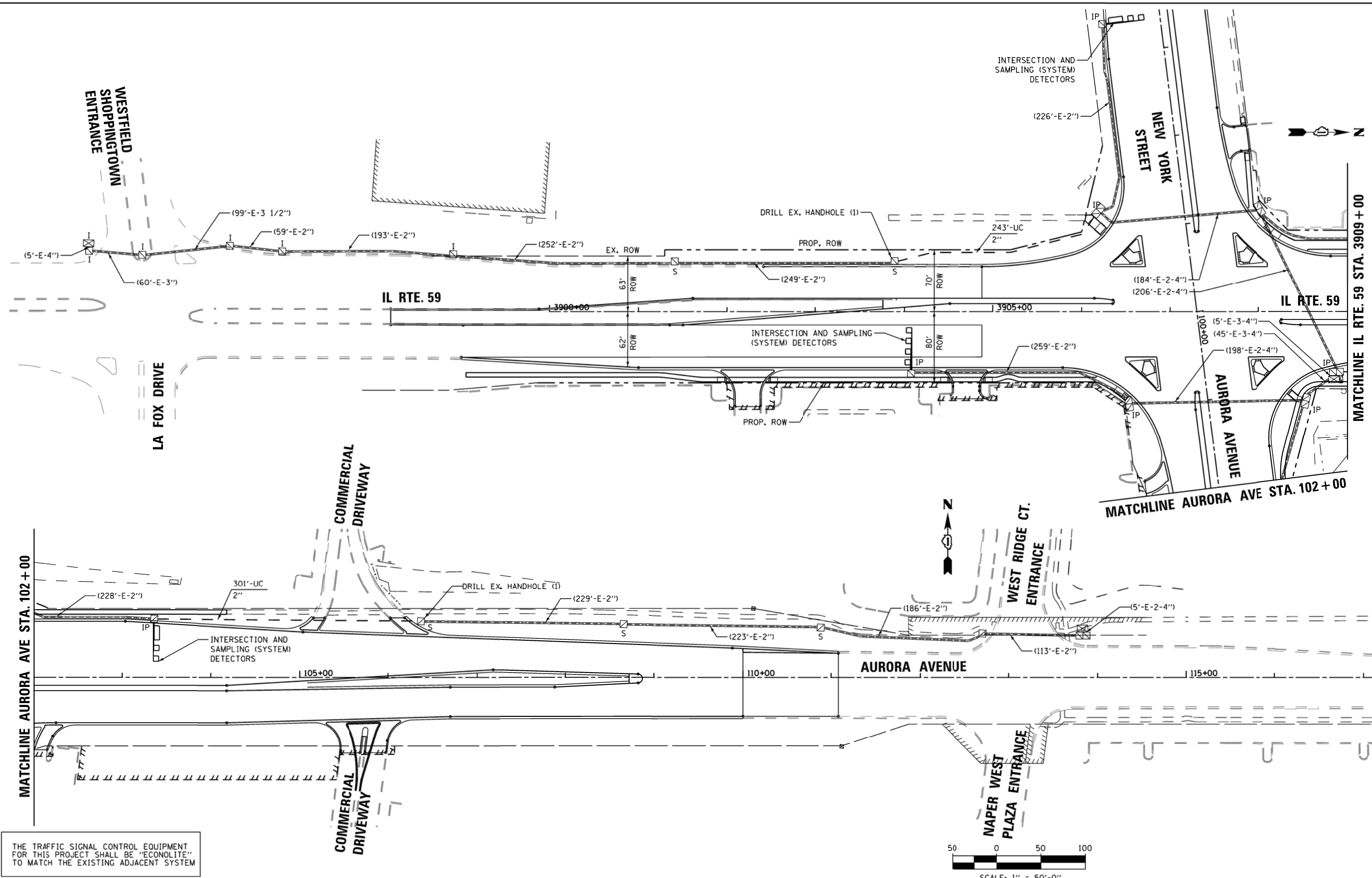


* THIS LOCATION IS PART OF THE SPECIFIED CONTRACT WITHIN THE SHOWN INTERCONNECT SYSTEM

NOTE:
 A FIBER OPTIC CABLE CONNECTION WILL BE INSTALLED BETWEEN DIEHL ROAD AND FERRY ROAD UNDER CONTRACT 60I31. SEE CONTRACT 60I31 TEMPORARY INTERCONNECT PLAN (STAGE 4 TO STAGE 4B).

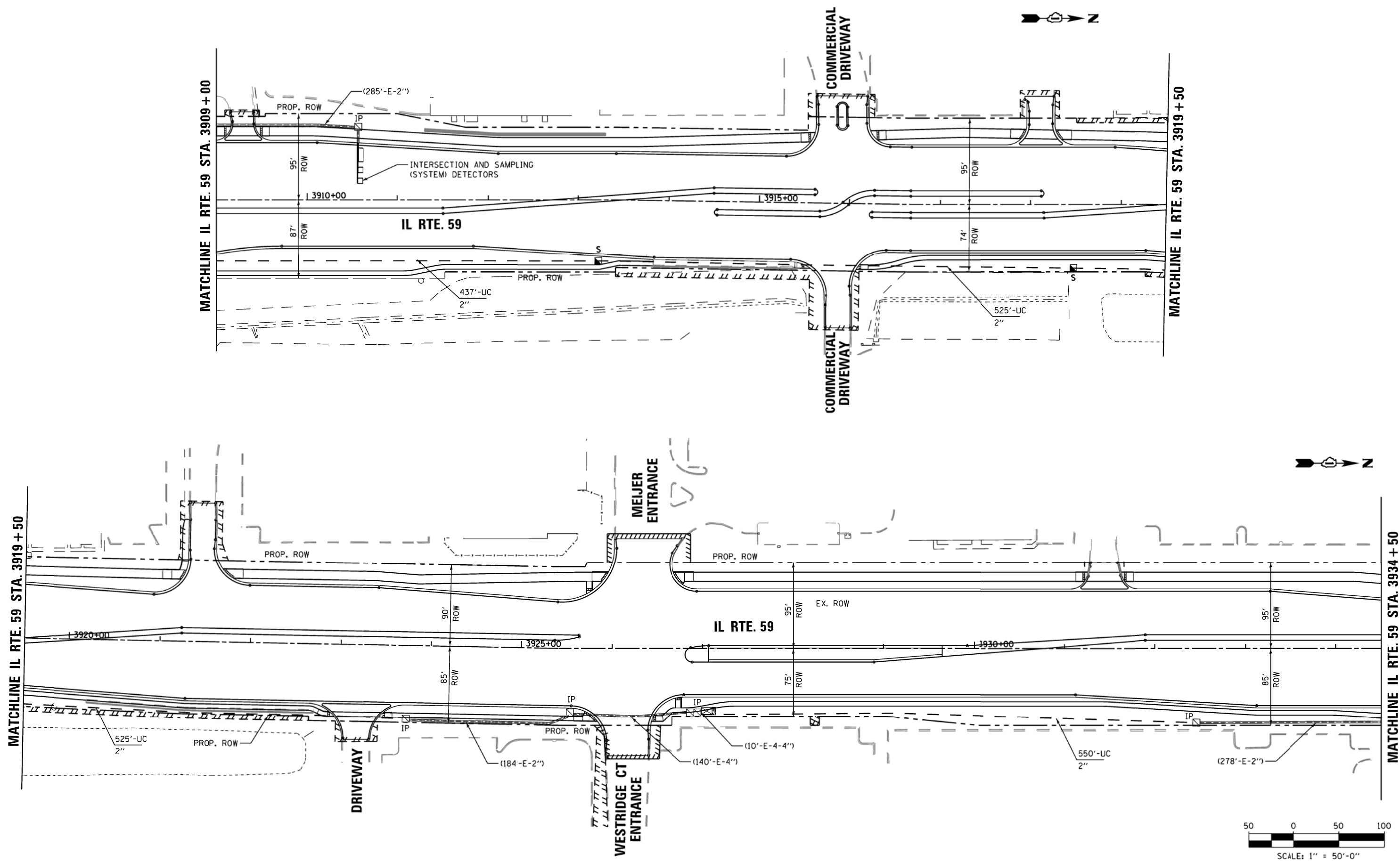
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PLOT DATE = 12/6/2012	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									

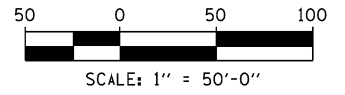
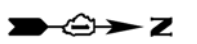
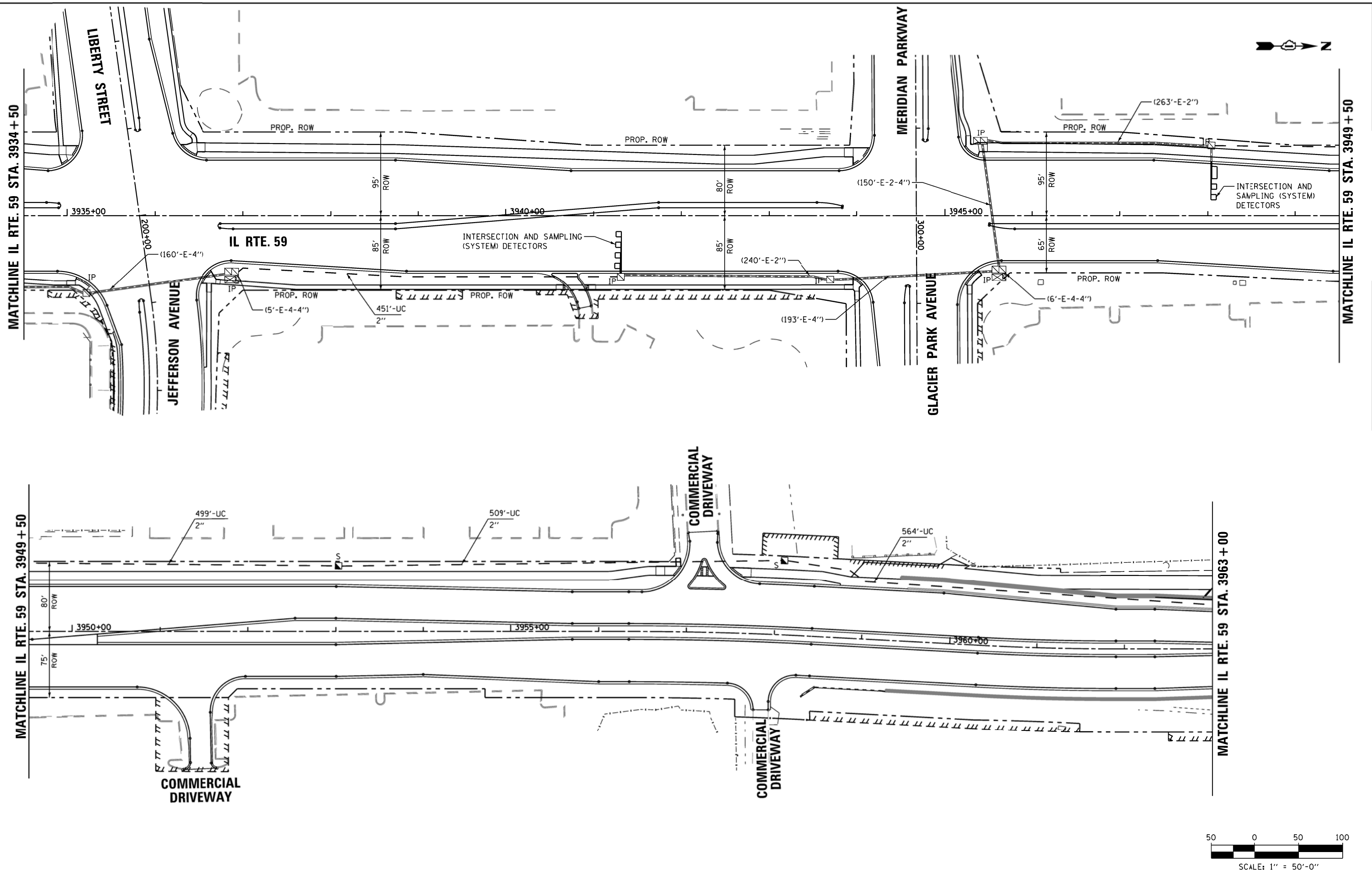


THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

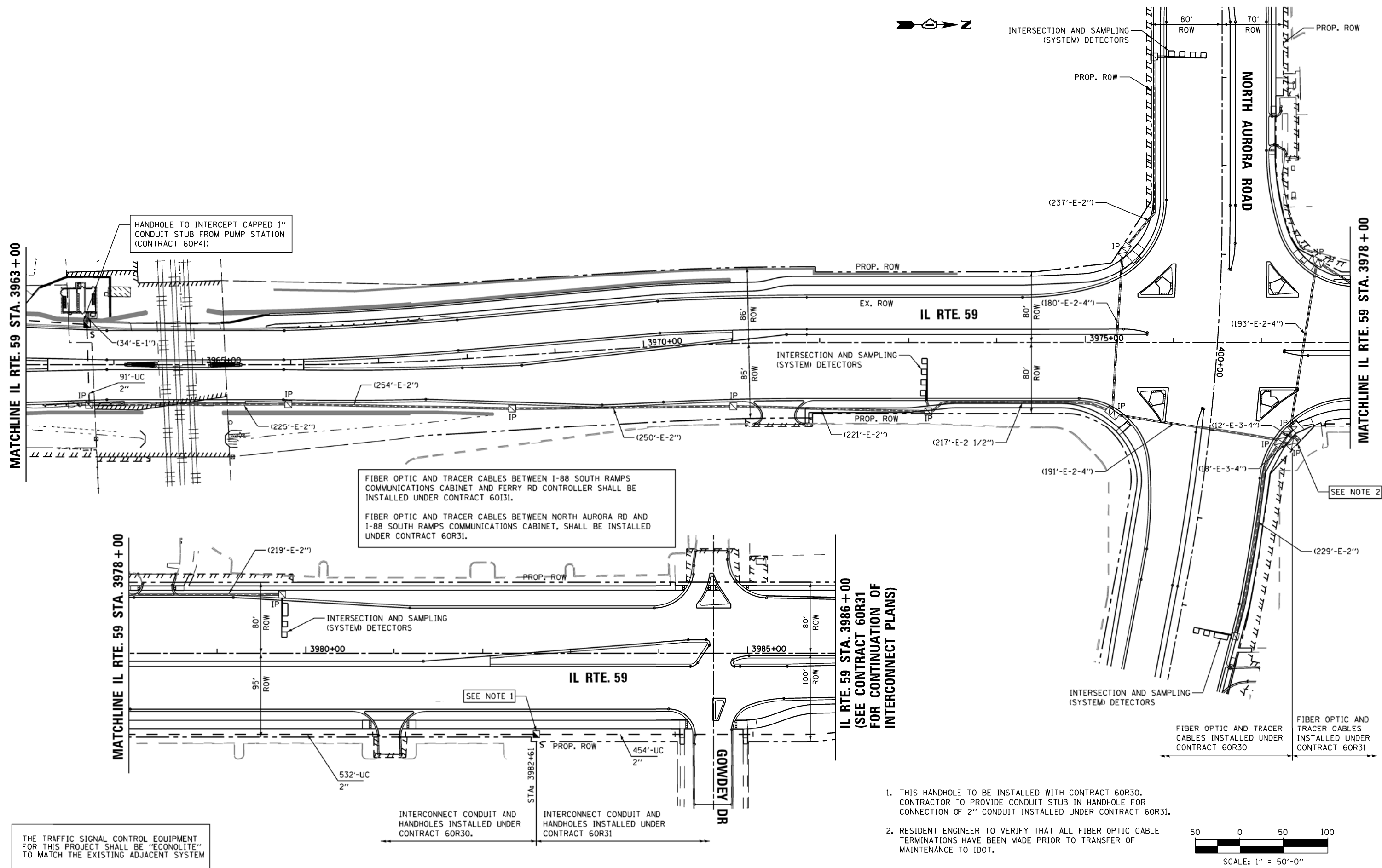
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PLOT SCALE = #SCALE#	CHECKED - KMM	REVISED -	REVISED -		SCALE: 1"=50'	SHEET NO. 1 OF 4 SHEETS	STA. 3894+00	TO STA. 3909+00	TS-77		CONTRACT NO. 60R30	
PLOT DATE = 12/6/2012	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							



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PLOT SCALE = #SCALE#	CHECKED - KMM	REVISOR -	REVISIONS -		SCALE: 1"=50'	SHEET NO. 2 OF 4 SHEETS	STA. 3909+00 TO STA. 3934+50	TS-78		CONTRACT NO. 60R30		
PLOT DATE = 12/6/2012	DATE -	REVISIONS -	REVISIONS -		ILLINOIS FED. AID PROJECT							



FILE NAME = K:\Projects\090059\Design\Sheet Files\6799rwa59int53.dgn	USER NAME = #USER# 99rwa59int53.dgn	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN IL ROUTE 59 FROM BEEBE DR TO MERIDIAN PKWY /GLACIER PARK DR			F.A. RTE. 338	SECTION (112 & 113) WRS-7	COUNTY DUPAGE	TOTAL SHEETS 1156	SHEET NO. 671
PLOT SCALE = #SCALE#	CHECKED - KMM	REVISED -	REVISED -		SCALE: 1"=50'	SHEET NO. 3 OF 4 SHEETS	STA. 3934+50 TO STA. 3963+00	TS- 79		CONTRACT NO. 60R30		
PLOT DATE = 12/6/2012	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

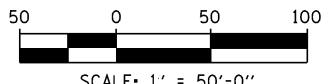


THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

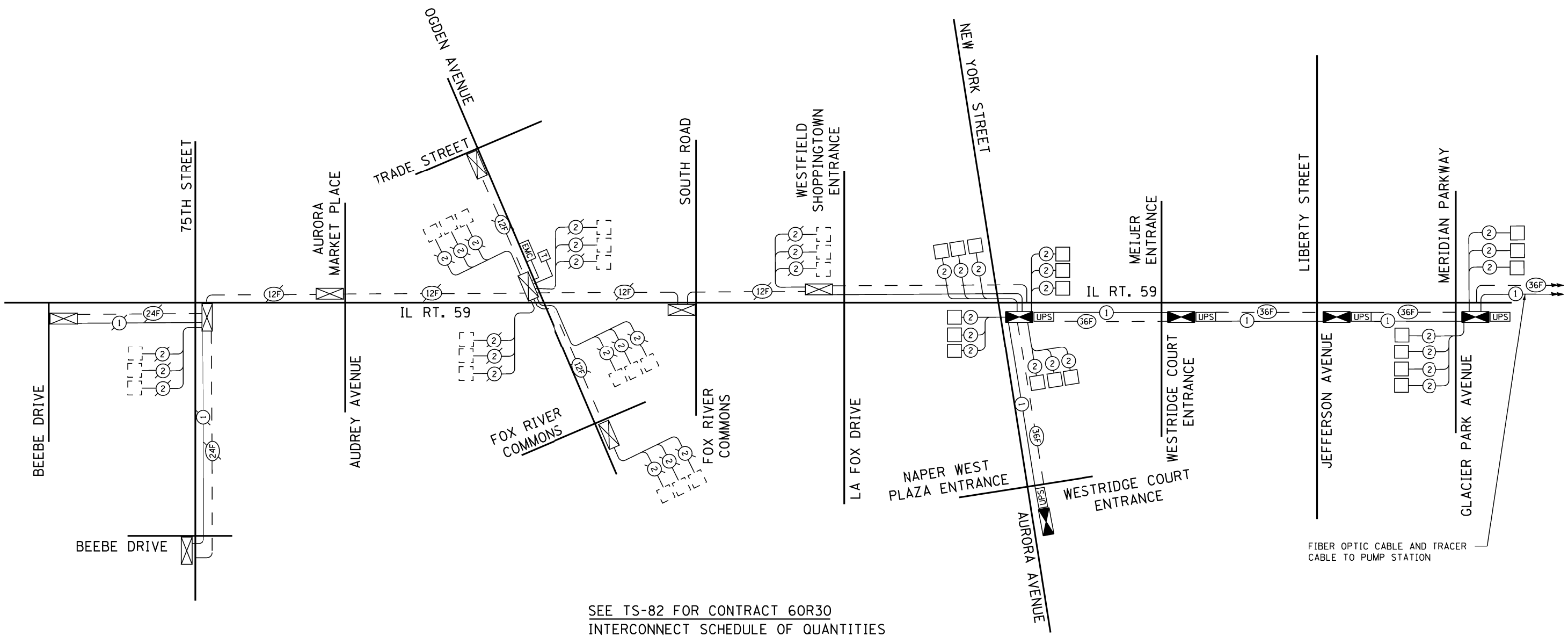
FIBER OPTIC AND TRACER CABLES BETWEEN I-88 SOUTH RAMPS COMMUNICATIONS CABINET AND FERRY RD CONTROLLER SHALL BE INSTALLED UNDER CONTRACT 60I31.
 FIBER OPTIC AND TRACER CABLES BETWEEN NORTH AURORA RD AND I-88 SOUTH RAMPS COMMUNICATIONS CABINET, SHALL BE INSTALLED UNDER CONTRACT 60R31.

INTERCONNECT CONDUIT AND HANDHOLES INSTALLED UNDER CONTRACT 60R30.
 INTERCONNECT CONDUIT AND HANDHOLES INSTALLED UNDER CONTRACT 60R31

1. THIS HANDHOLE TO BE INSTALLED WITH CONTRACT 60R30. CONTRACTOR TO PROVIDE CONDUIT STUB IN HANDHOLE FOR CONNECTION OF 2" CONDUIT INSTALLED UNDER CONTRACT 60R31.
2. RESIDENT ENGINEER TO VERIFY THAT ALL FIBER OPTIC CABLE TERMINATIONS HAVE BEEN MADE PRIOR TO TRANSFER OF MAINTENANCE TO IDOT.



FILE NAME = K:\Projects\090059\Design\Sheet Files\679rwa59int1.dgn	USER NAME = #USER#	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN IL ROUTE 59 FROM NORTH AURORA ROAD TO FERRY ROAD	F.A. RTE. 338	SECTION (112 & 113) WRS-7	COUNTY DUPAGE	TOTAL SHEETS 1156	SHEET NO. 672		
PLOT SCALE = #SCALE#	CHECKED - KMM	REVISED -	SCALE: 1"=50'			SHEET NO. 4 OF 4 SHEETS	STA. 3963+00 TO STA. 3986+00	TS-80		CONTRACT NO. 60R30		
PLOT DATE = 12/6/2012	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									

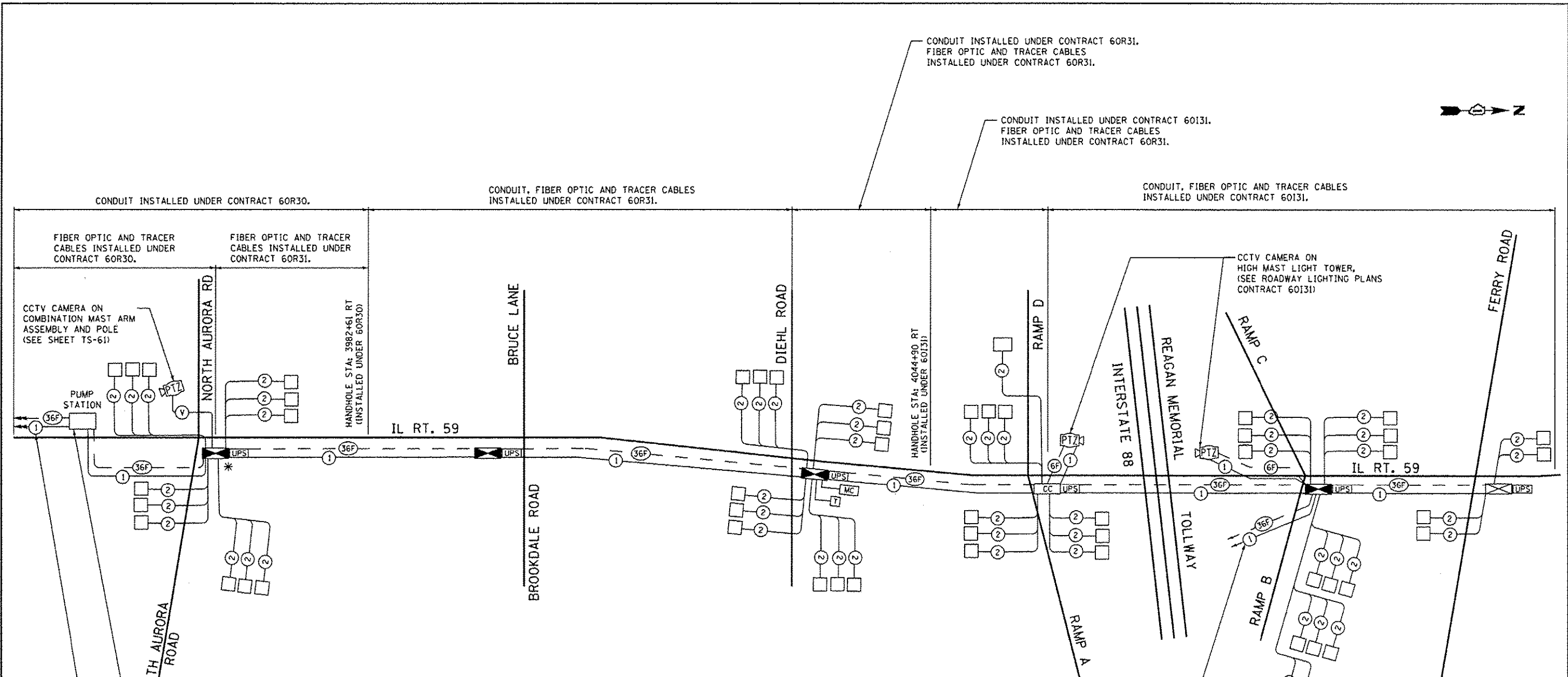


SEE TS-82 FOR CONTRACT 60R30
 INTERCONNECT SCHEDULE OF QUANTITIES

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

ECONOLITE SYSTEM #106 AND ECONOLITE SYSTEM #25 SHALL NOT BE MERGED AND WILL FUNCTION AS COMPLETELY INDEPENDENT SYSTEMS

FILE NAME = K:\Projects\090059\Design\Sheet Files\679rwa59INT.schem.dgn	USER NAME = #USER#	DESIGNED - DW	REVISÉD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT SCHEMATIC IL ROUTE 59-BEEBE DRIVE TO MERIDIAN PARKWAY/GLACIER PARK AVE.			F.A. RTE. 338	SECTION (112 & 113) WRS-7	COUNTY DUPAGE	TOTAL SHEETS 1156	SHEET NO. 673
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	PLOT DATE = 12/6/2012	DATE -	REVISÉD -		ILLINOIS FED. AID PROJECT							



INTERCONNECT SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	5227
HANDHOLE	EACH	6
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	10761
DRILL EXISTING HANDHOLE	EACH	2
REMOVE EXISTING HANDHOLE	EACH	10
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	10761

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

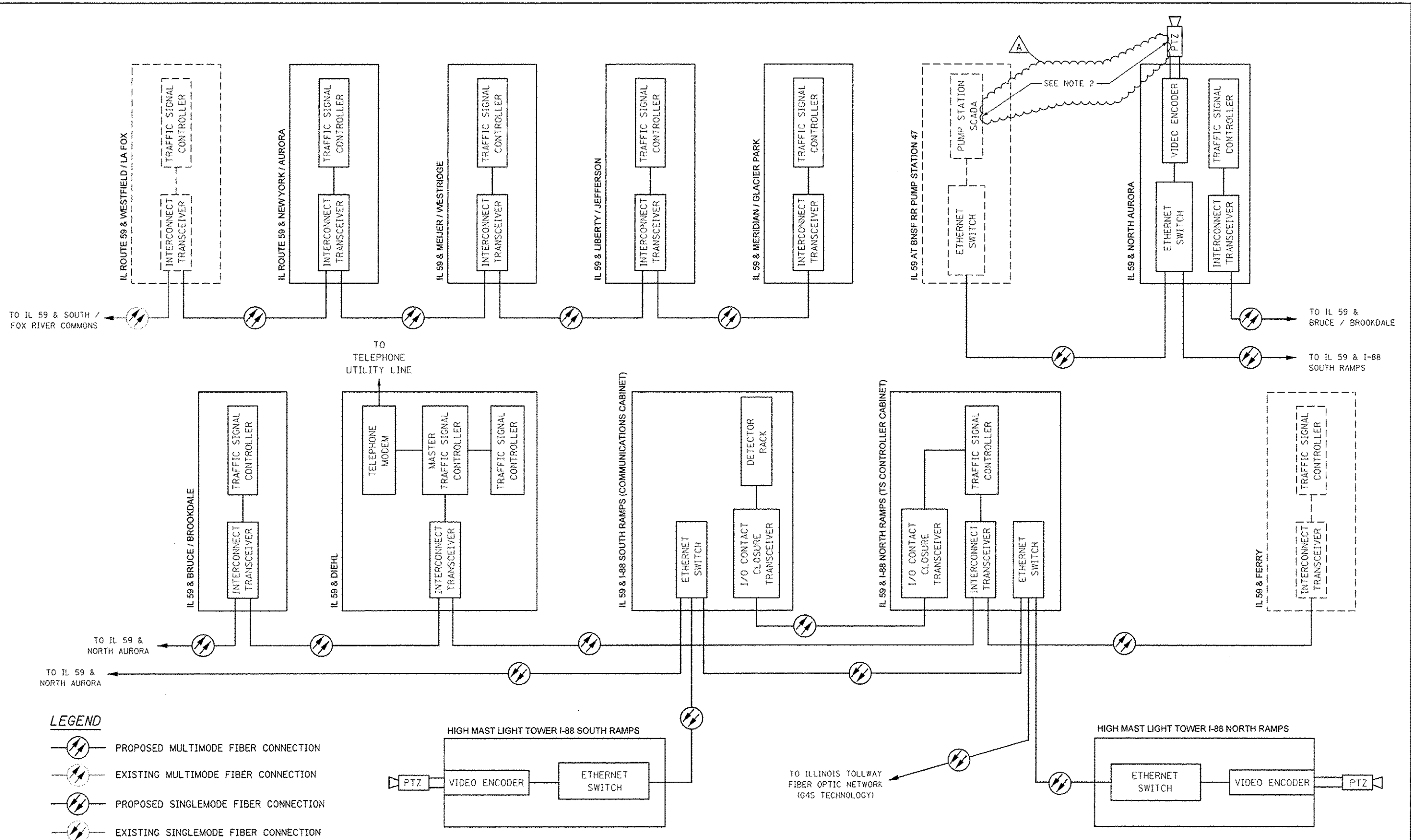
- NOTES:
1. ALL FIBER OPTIC AND TRACER CABLE BETWEEN NORTH AURORA RD. AND I-88 SOUTH RAMPS COMMUNICATIONS CABINET SHALL BE INSTALLED UNDER CONTRACT 60R31. ALL FIBER OPTIC AND TRACER CABLE BETWEEN I-88 SOUTH RAMPS COMMUNICATIONS CABINET AND FERRY RD. SHALL BE INSTALLED UNDER CONTRACT 60I31.
 2. ALL CONDUIT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

* 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

SEE PUMP STATION FIBER CABLE TERMINATION DETAIL, CONTRACT 60R30 SHEET TS-84

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



LEGEND

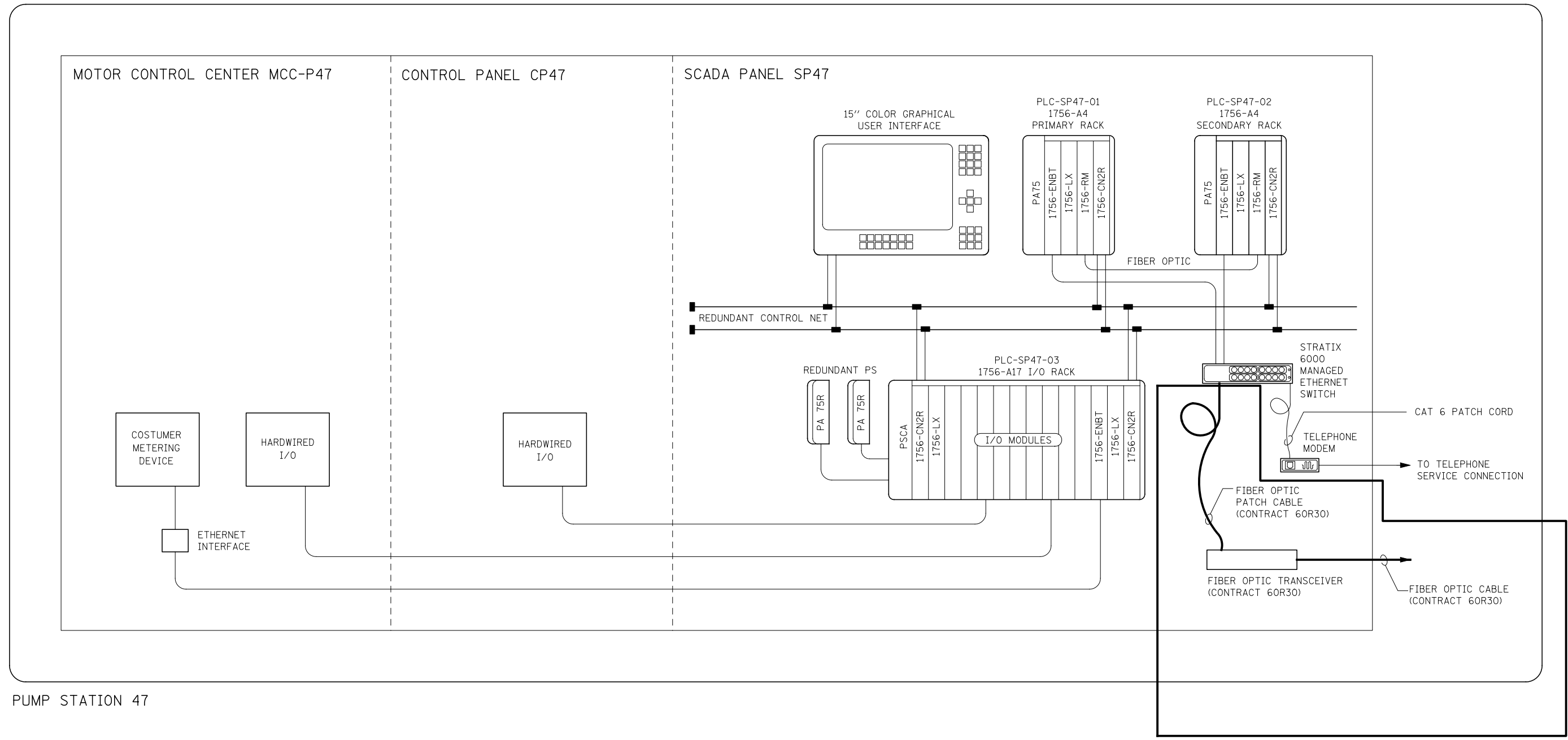
- PROPOSED MULTIMODE FIBER CONNECTION
- EXISTING MULTIMODE FIBER CONNECTION
- PROPOSED SINGLEMODE FIBER CONNECTION
- EXISTING SINGLEMODE FIBER CONNECTION
- PROPOSED EQUIPMENT
- EXISTING EQUIPMENT

NOTES

1. SEE PROPOSED INTERCONNECT SCHEMATIC FOR CONTRACT WORK LIMITS.

2. SEPARATE VLANs ARE REQUIRED FOR THE CCTV CAMERAS AND PUMP STATION #47 CONTROLS (SCADA). THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR CCTV EQUIPMENT, IP DISTRIBUTION.

DESIGNED <i>PJO</i> DRAWN <i>KES</i> CHECKED <i>JCM</i> DATE <i>12/14/2012</i>		REVISED - ADDENDUM A 02/20/2013 REVISED - REVISED - REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		FIBER OPTIC CONNECTIONS CABINET DETAIL IL ROUTE 59 BETWEEN NEW YORK STREET AND FERRY ROAD		F.A.P. RTE. 338	SECTION (112 & 113) WRS-7	COUNTY DUPAGE	TOTAL SHEETS 1156	SHEET NO. 675
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PUMP STATION 47

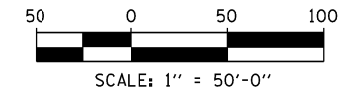
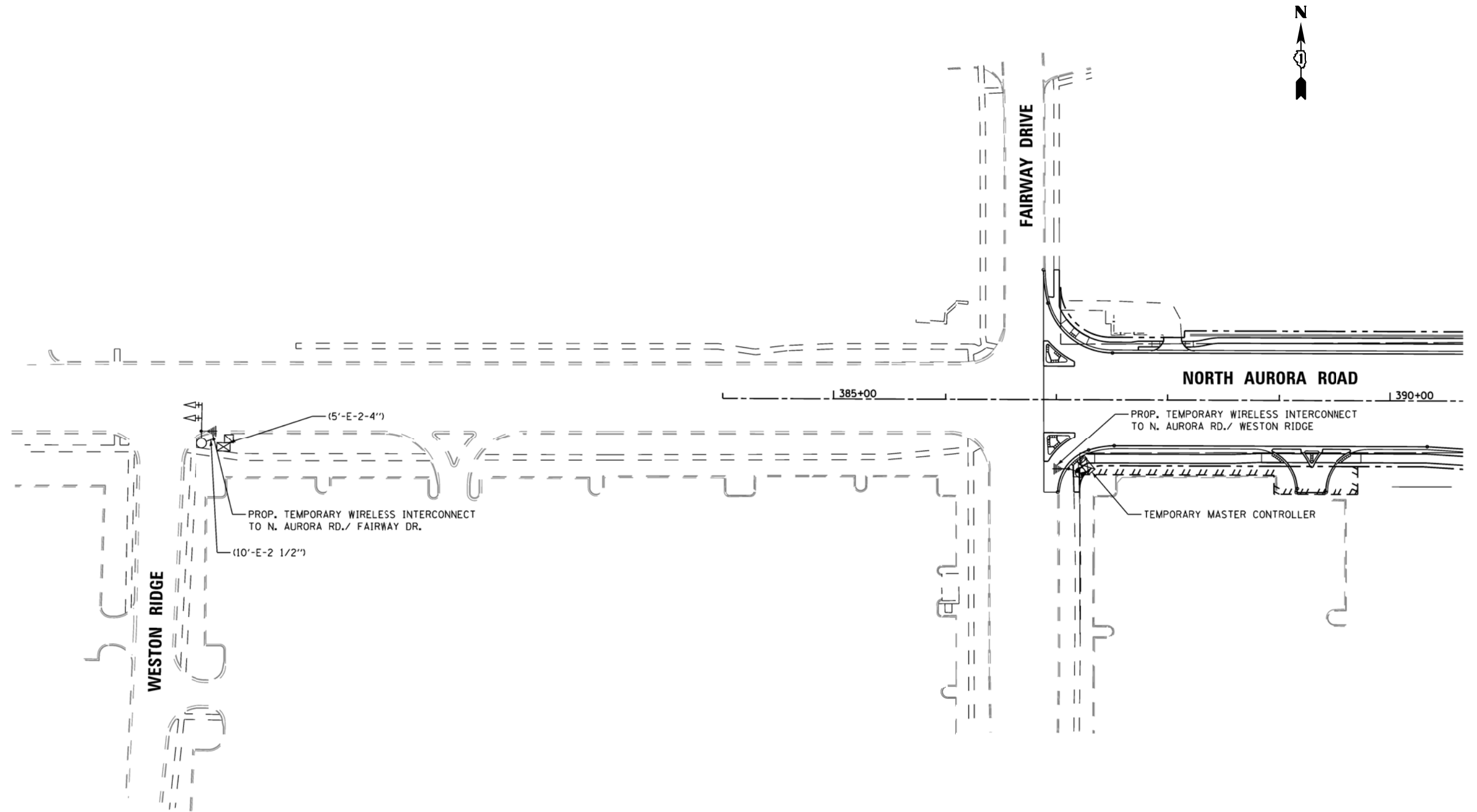
CONTRACT 60R30 (SEE NOTE)

SCHEDULE OF QUANTITIES (CONTRACT 60R30)

ITEM	UNIT	QUANTITY
TRANSCEIVER - FIBER OPTIC	EACH	1

NOTE:

THE CONTRACTOR FOR CONTRACT 60R30 IS ONLY RESPONSIBLE FOR THE FIBER-OPTIC CABLE CONNECTION BETWEEN THE PUMP STATION SCADA AND THE TRAFFIC SIGNAL INTERCONNECT SYSTEM. ALL OTHER COMPONENTS OF THE PUMP STATION SCADA SYSTEM ARE TO BE INSTALLED BY CONTRACT 60P41.



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

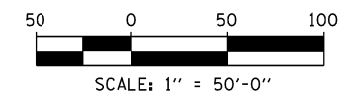
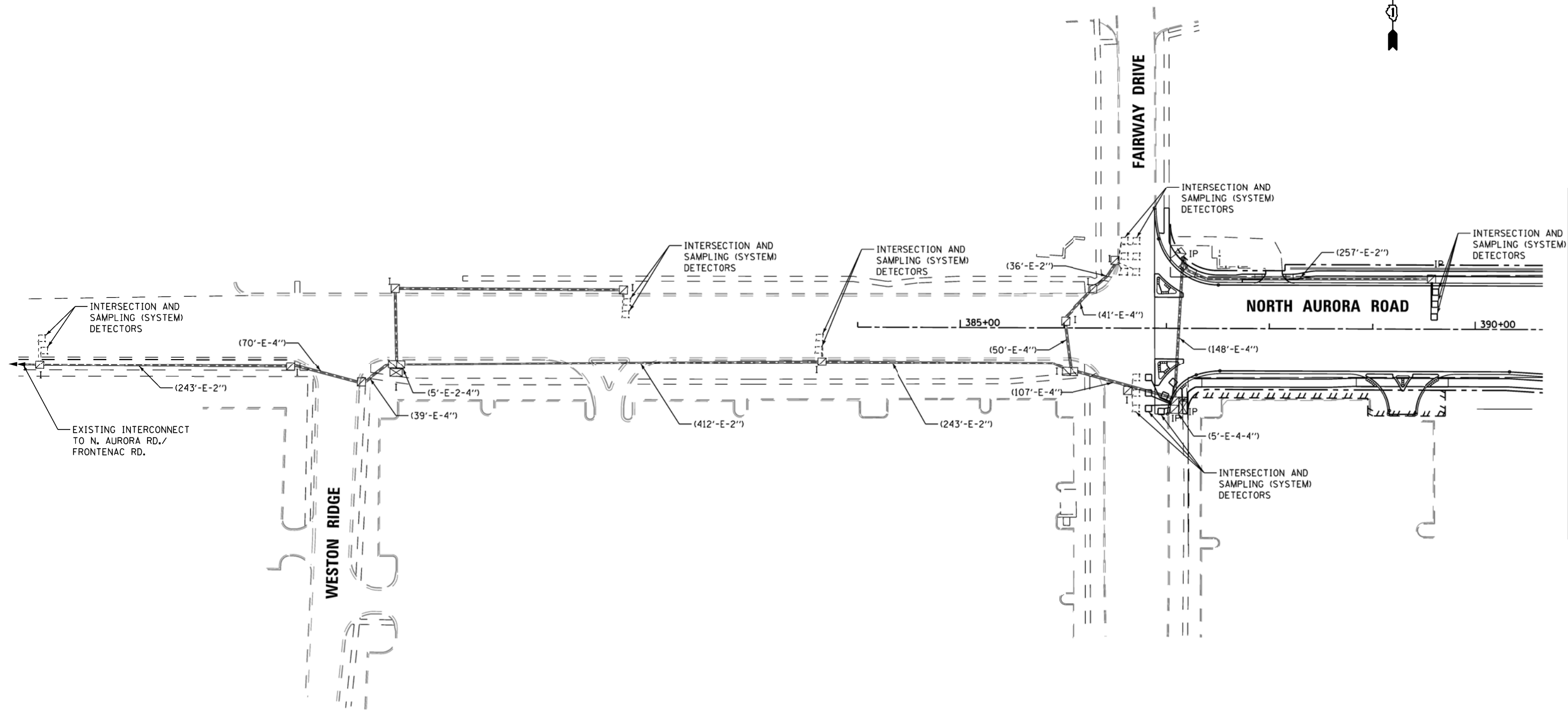
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	PLOT DATE = 12/6/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN NORTH AURORA ROAD
 FROM WESTON RIDGE TO FAIRWAY DRIVE**

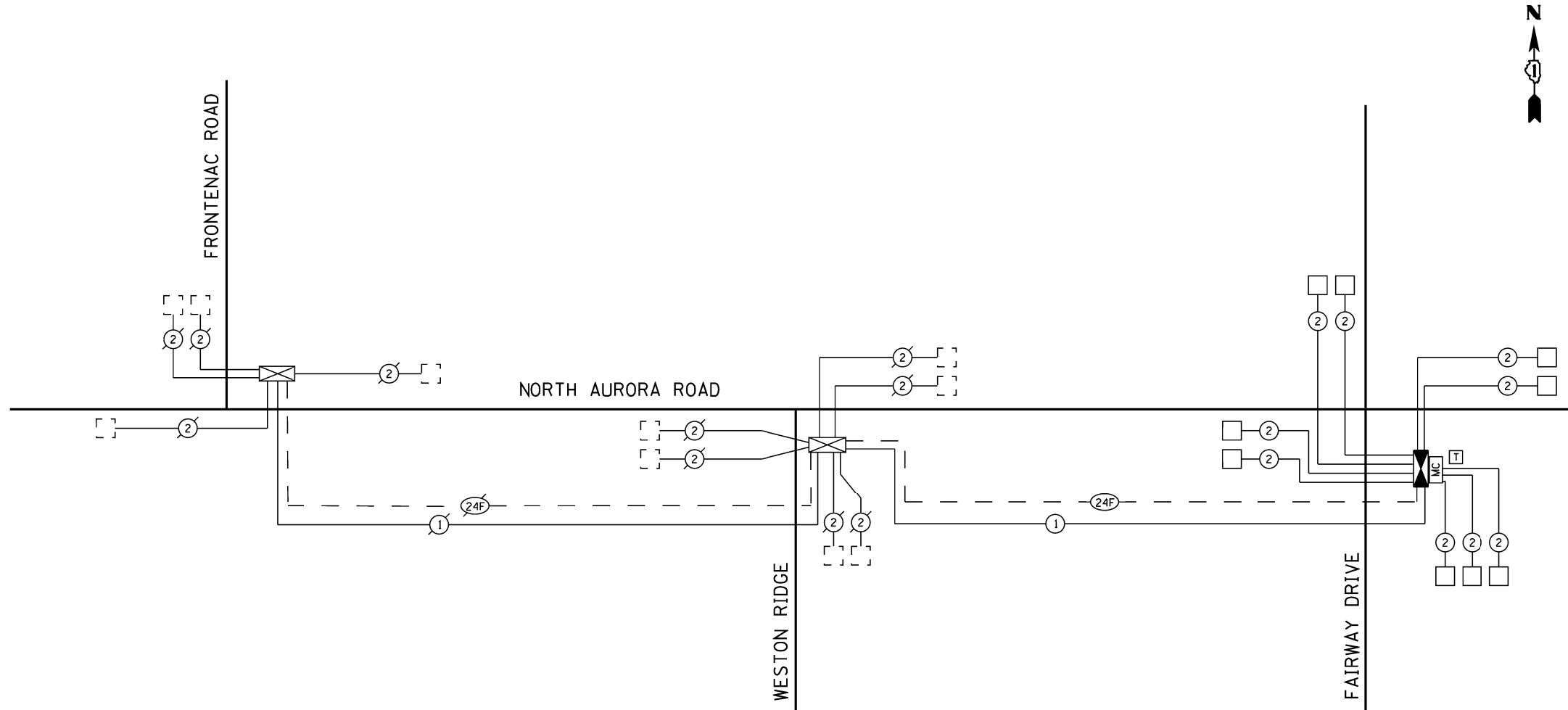
SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	677
TS-85			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				



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

FILE NAME =	USER NAME = #USER#	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN NORTH AURORA ROAD FROM WESTON RIDGE TO FAIRWAY DRIVE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
K:\Projects\090059\Design\Sheet Files\6799rwa\Int.dgn		DRAWN - JDH	REVISED -			338	(112 & 113) WRS-7	DUPAGE	1156	679
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	PLOT DATE = 12/6/2012	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE: 1"=50'		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		



**100% COST TO CITY OF NAPERVILLE
 INTERCONNECT SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	852.5
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	852.5
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

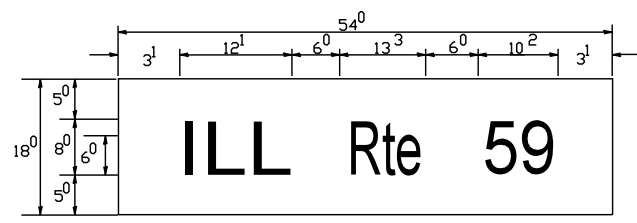
THE CONTRACTOR SHALL MAINTAIN THE EXISTING PHONE CONNECTION TO THE MASTER CONTROLLER AT NORTH AURORA AND FAIRWAY

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

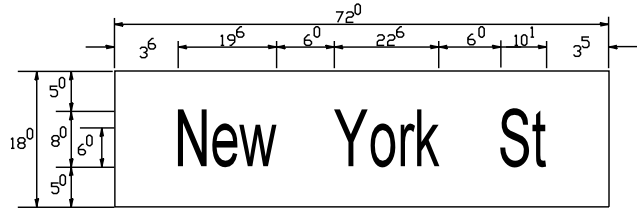
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	PLOT DATE = 12/6/2012	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



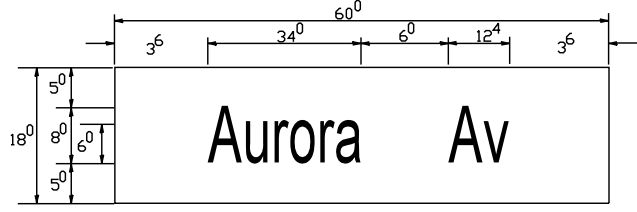
PANEL SIGN DESIGN TYPE 1



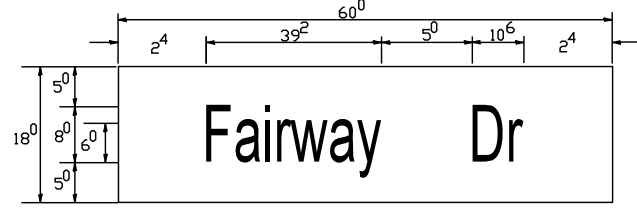
___ Sq. M. each
 6.75 Sq. Ft. each
 10 Required
 Design Series C



___ Sq. M. each
 9 Sq. Ft. each
 1 Required
 Design Series D

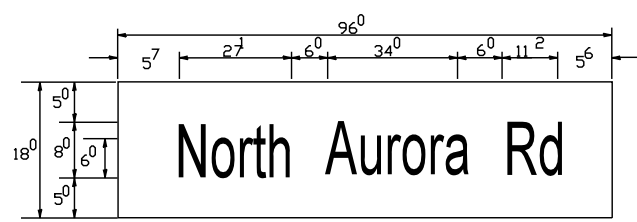


___ Sq. M. each
 7.5 Sq. Ft. each
 1 Required
 Design Series D



___ Sq. M. each
 7.5 Sq. Ft. each
 2 Required
 Design Series D

PANEL SIGN DESIGN TYPE 2



___ Sq. M. each
 12 Sq. Ft. each
 2 Required
 Design Series D

NORTH AURORA RD SIGN TO BE USED AT INTERSECTION OF NORTH AURORA ROAD AND FAIRWAY DRIVE

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

GENERAL NOTES

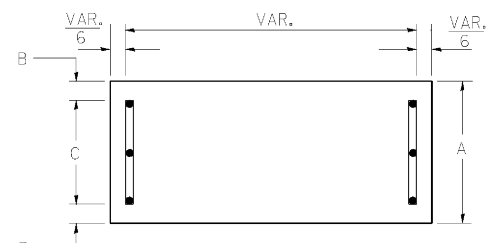
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGN POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

- * J.O. HERBERT CO. MIDLOTHIAN, VA.
- * WESTERN REMAC INC. WOODRIDGE, IL.

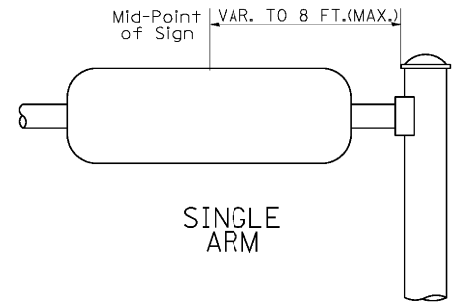
PARTS LISTING:
 SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
 SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
 SELF TAPPING WITH NEOPRENE WASHER
 BRACKETS PART #HPN034 (UNIVERSAL)
 CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

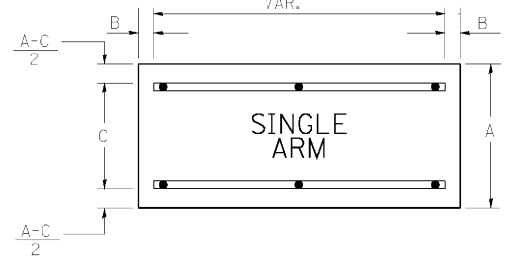
SUPPORTING CHANNELS



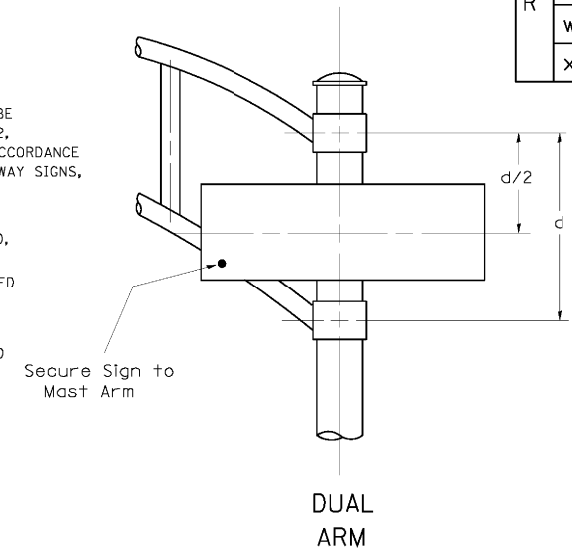
A	B	C
18"	2"	14"



SUPPORTING CHANNELS



A	B	C
18"	2"	12"
30"	2"	22"



SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

Upper Case To Lower Case
 Spacing Chart 8-6 Inch Series "C & D"

SERIES	SECOND LETTER															
	acde		bhikl				f w		j		s t		v y		x z	
	g	o	q	m	n	p	r	u								
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O Q R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	05	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	05	06	14	15	06	10	05	06	05	07	05	06	05	10	11	12
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

Lower Case To Lower Case
 Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER															
	acde		bhikl				f w		j		s t		v y		x z	
	g	o	q	m	n	p	r	u								
adhgi	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
lmnqu																
bfkops	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
ce	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
vy	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

Number To Number
 Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	12	14	14	15	14	15	11	12	16	17	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	14	14	15	14	15	11	12	14	15	14	15	14	15
7	12	14	12	14	14	15	12	15	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

EXAMPLE, 2(3) DENOTES 3/8

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS				8 INCH UPPER CASE LETTERS				LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES		SERIES		SERIES			C	D
	C	D	C	D	C	D	C	D			
A	36	50	50	65	a	35	42				
B	32	40	43	53	b	35	42				
C	32	40	43	53	c	35	41				
D	32	40	43	53	d	35	42				
E	30	35	40	47	e	35	42				
F	30	35	40	47	f	23	26				
G	32	40	43	53	g	35	42				
H	32	40	43	53	h	35	42				
I	07	07	11	12	i	11	11				
J	30	36	40	50	j	20	22				
K	32	41	43	54	k	35	42				
L	30	35	40	47	l	11	11				
M	37	45	51	61	m	60	70				
N	32	40	43	53	n	35	42				
O	34	42	45	55	o	36	43				
P	32	40	43	53	p	35	42				
Q	34	42	45	55	q	35	42				
R	32	40	43	53	r	26	32				
S	32	40	43	53	s	36	42				
T	30	35	40	47	t	27	32				
U	32	40	43	53	u	35	42				
V	35	44	47	60	v	42	47				
W	44	52	60	70	w	55	64				
X	34	40	45	53	x	44	51				
Y	36	50	50	66	y	46	53				
Z	32	40	43	53	z	36	43				

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	12	14	15	20
2	32	40	43	53
3	32	40	43	53
4	35	43	47	57
5	32	40	43	53
6	32	40	43	53
7	32	40	43	53
8	32	40	43	53
9	32	40	43	53
0	34	42	45	55

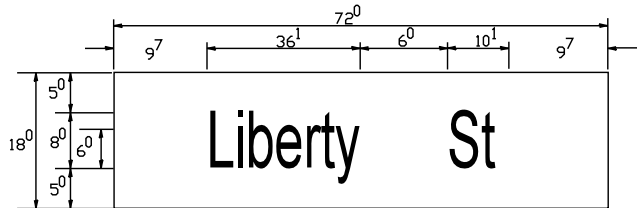
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		CHECKED - KMM	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

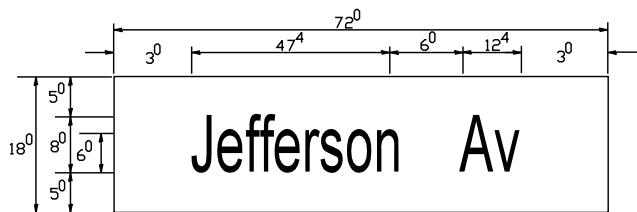
MAST ARM MOUNTED
 STREET NAME SIGNS
 SCALE: N.T.S. SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A. RTE. 338	SECTION (112 & 113) WRS-7	COUNTY DUPAGE	TOTAL SHEETS 1156	SHEET NO. 681
TS-89		CONTRACT NO. 60R30		
ILLINOIS FED. AID PROJECT				

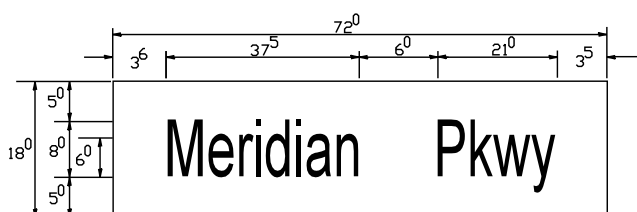
PANEL SIGN DESIGN TYPE 1



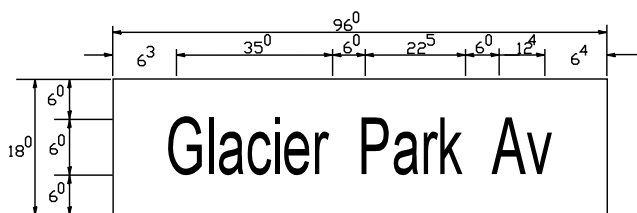
___ Sq. M. each
9 Sq. Ft. each
1 Required
Design Series D



___ Sq. M. each
9 Sq. Ft. each
1 Required
Design Series D

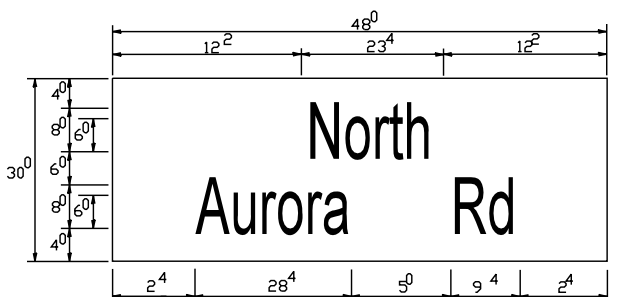


___ Sq. M. each
9 Sq. Ft. each
1 Required
Design Series C



___ Sq. M. each
12 Sq. Ft. each
1 Required
Design Series C

PANEL SIGN DESIGN TYPE 2



___ Sq. M. each
10 Sq. Ft. each
2 Required
Design Series C

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

GENERAL NOTES

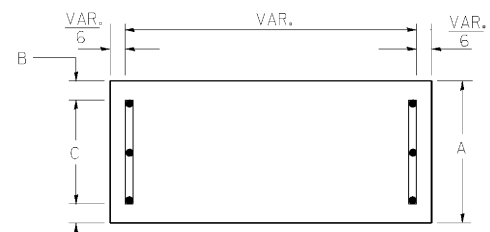
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNA, POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

- * J.O. HERBERT CO. MIDLOTHIAN, VA.
- * WESTERN REMAC INC. WOODRIDGE, IL.

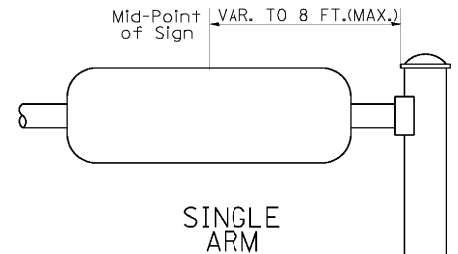
PARTS LISTING:
SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
BRACKETS PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

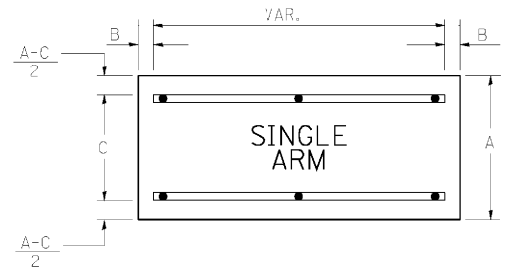
SUPPORTING CHANNELS



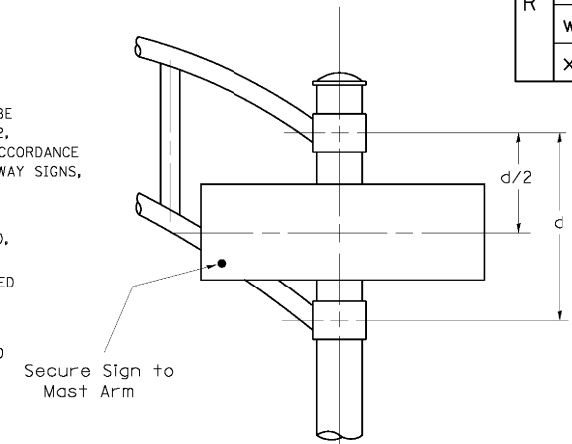
A	B	C
18"	2"	14"



SUPPORTING CHANNELS



A	B	C
18"	2"	12"
30"	2"	22"



SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

Upper Case To Lower Case
Spacing Chart 8-6 Inch Series "C & D"

SERIES	SECOND LETTER															
	acde		bhikl				f w		j		s t		v y		x z	
	g	o	q	m	n	p	r	u								
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O Q R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	05	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	05	06	14	15	06	10	05	06	05	07	05	06	05	10	11	12
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

Lower Case To Lower Case
Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER															
	acde		bhikl				f w		j		s t		v y		x z	
	g	o	q	m	n	p	r	u								
adhgij	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
lmnqu																
bfkops	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
c e	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
r	06	10	12	14	06	10	03	03	05	06	05	06	05	10	06	10
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
v y	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

Number To Number
Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	12	14	14	15	14	15	11	12	16	17	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	15	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	15	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

EXAMPLE, 2⁽³⁾ DENOTES 3/8

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS				8 INCH UPPER CASE LETTERS				LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES		SERIES		SERIES			C	D
	C	D	C	D	C	D	C	D			
A	3 ⁶	5 ⁰	5 ⁰	6 ⁵	a	3 ⁵	4 ²				
B	3 ²	4 ⁰	4 ³	5 ³	b	3 ⁵	4 ²				
C	3 ²	4 ⁰	4 ³	5 ³	c	3 ⁵	4 ¹				
D	3 ²	4 ⁰	4 ³	5 ³	d	3 ⁵	4 ²				
E	3 ⁰	3 ⁵	4 ⁰	4 ⁷	e	3 ⁵	4 ²				
F	3 ⁰	3 ⁵	4 ⁰	4 ⁷	f	2 ³	2 ⁶				
G	3 ²	4 ⁰	4 ³	5 ³	g	3 ⁵	4 ²				
H	3 ²	4 ⁰	4 ³	5 ³	h	3 ⁵	4 ²				
I	0 ⁷	0 ⁷	1 ¹	1 ²	i	1 ¹	1 ¹				
J	3 ⁰	3 ⁶	4 ⁰	5 ⁰	j	2 ⁰	2 ²				
K	3 ²	4 ¹	4 ³	5 ⁴	k	3 ⁵	4 ²				
L	3 ⁰	3 ⁵	4 ⁰	4 ⁷	l	1 ¹	1 ¹				
M	3 ⁷	4 ⁵	5 ¹	6 ¹	m	6 ⁰	7 ⁰				
N	3 ²	4 ⁰	4 ³	5 ³	n	3 ⁵	4 ²				
O	3 ⁴	4 ²	4 ⁵	5 ⁵	o	3 ⁶	4 ³				
P	3 ²	4 ⁰	4 ³	5 ³	p	3 ⁵	4 ²				
Q	3 ⁴	4 ²	4 ⁵	5 ⁵	q	3 ⁵	4 ²				
R	3 ²	4 ⁰	4 ³	5 ³	r	2 ⁶	3 ²				
S	3 ²	4 ⁰	4 ³	5 ³	s	3 ⁶	4 ²				
T	3 ⁰	3 ⁵	4 ⁰	4 ⁷	t	2 ⁷	3 ²				
U	3 ²	4 ⁰	4 ³	5 ³	u	3 ⁵	4 ²				
V	3 ⁵	4 ⁴	4 ⁷	6 ⁰	v	4 ²	4 ⁷				
W	4 ⁴	5 ²	6 ⁰	7 ⁰	w	5 ⁵	6 ⁴				
X	3 ⁴	4 ⁰	4 ⁵	5 ³	x	4 ⁴	5 ¹				
Y	3 ⁶	5 ⁰	5 ⁰	6 ⁶	y	4 ⁶	5 ³				
Z	3 ²	4 ⁰	4 ³	5 ³	z	3 ⁶	4 ³				

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	1 ²	1 ⁴	1 ⁵	2 ⁰
2	3 ²	4 ⁰	4 ³	5 ³
3	3 ²	4 ⁰	4 ³	5 ³
4	3 ⁵	4 ³	4 ⁷	5 ⁷
5	3 ²	4 ⁰	4 ³	5 ³
6	3 ²	4 ⁰	4 ³	5 ³
7	3 ²	4 ⁰	4 ³	5 ³
8	3 ²	4 ⁰	4 ³	5 ³
9	3 ²	4 ⁰	4 ³	5 ³
0	3 ⁴	4 ²	4 ⁵	5 ⁵

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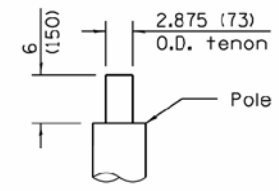
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED
STREET NAME SIGNS

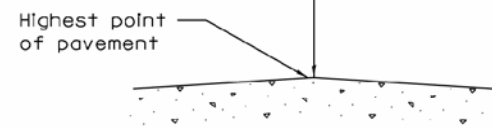
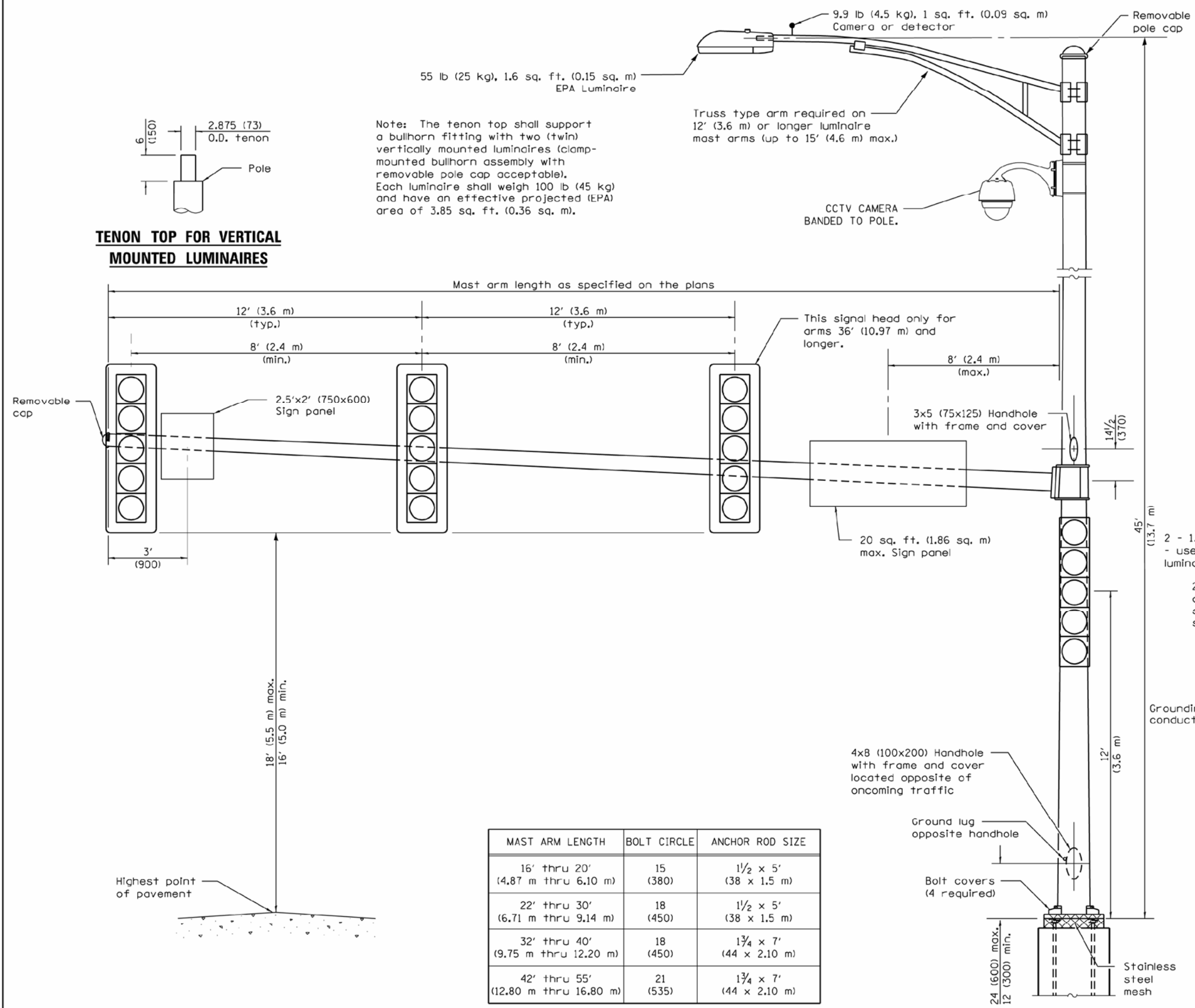
SCALE: N.T.S. SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A. RTE. 338	SECTION (112 & 113) WRS-7	COUNTY DUPAGE	TOTAL SHEETS 1156	SHEET NO. 682
TS-90		CONTRACT NO. 60R30		ILLINOIS FED. AID PROJECT

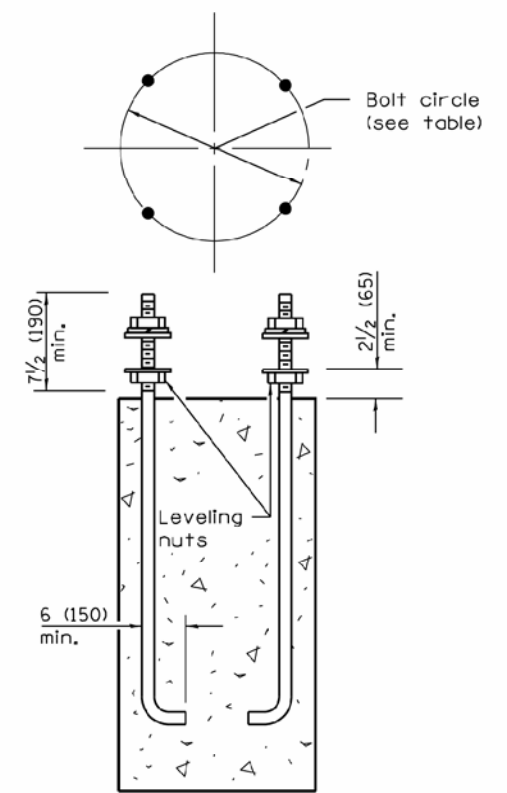
TENON TOP FOR VERTICAL MOUNTED LUMINAIRES



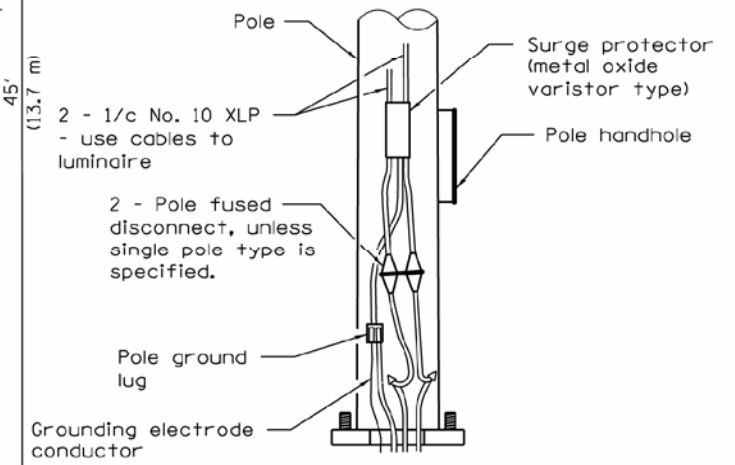
Note: The tenon top shall support a bullhorn fitting with two (twin) vertically mounted luminaires (clamp-mounted bullhorn assembly with removable pole cap acceptable). Each luminaire shall weigh 100 lb (45 kg) and have an effective projected (EPA) area of 3.85 sq. ft. (0.36 sq. m).



MAST ARM LENGTH	BOLT CIRCLE	ANCHOR ROD SIZE
16' thru 20' (4.87 m thru 6.10 m)	15 (380)	1 1/2 x 5' (38 x 1.5 m)
22' thru 30' (6.71 m thru 9.14 m)	18 (450)	1 1/2 x 5' (38 x 1.5 m)
32' thru 40' (9.75 m thru 12.20 m)	18 (450)	1 3/4 x 7' (44 x 2.10 m)
42' thru 55' (12.80 m thru 16.80 m)	21 (535)	1 3/4 x 7' (44 x 2.10 m)



ANCHOR ROD DETAIL

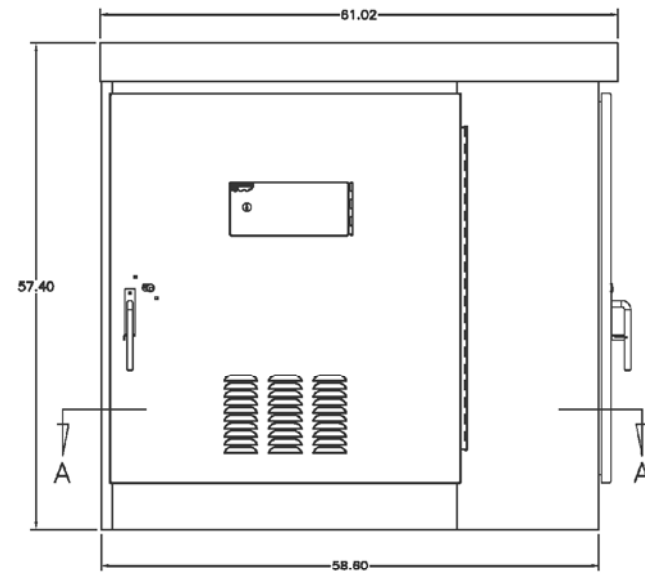


POLE BASE DETAIL

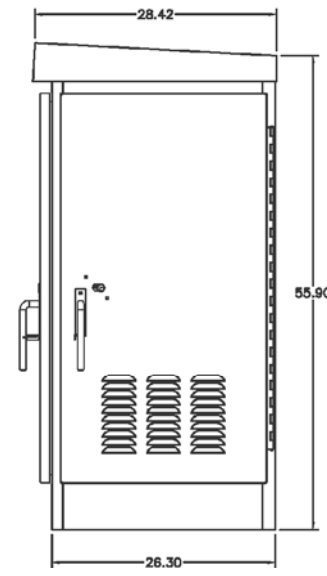
GENERAL NOTES
Signal heads, sign panels, and other attachments are shown for minimum design loading purposes only. Each signal head shall weigh 80 lb (36 kg) and have a projected area of 14.7 sq. ft. (1.37 sq. m).
All dimensions are in inches (millimeters) unless otherwise shown.

STEEL COMB. MAST ARM CCTV ASSEMBLY AND POLE 16' THROUGH 55'

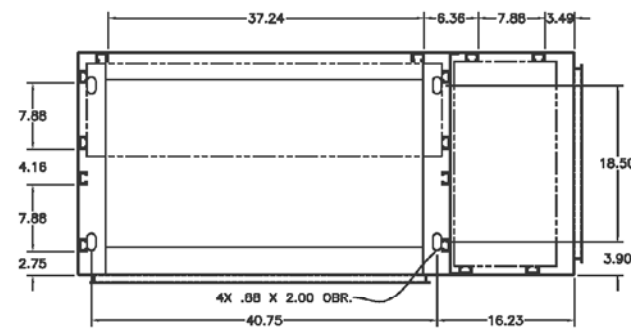
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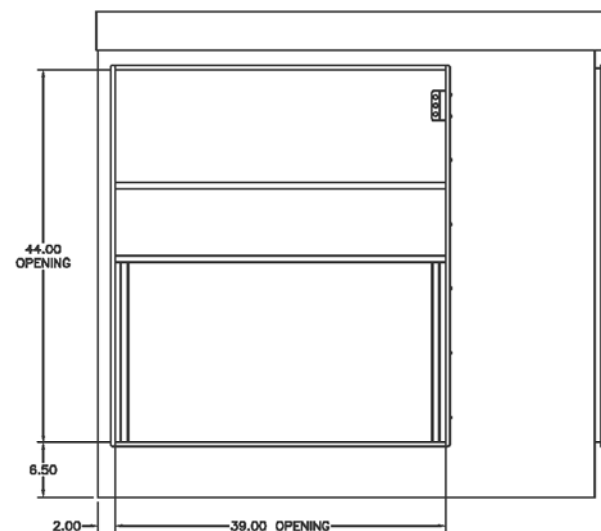
FRONT VIEW



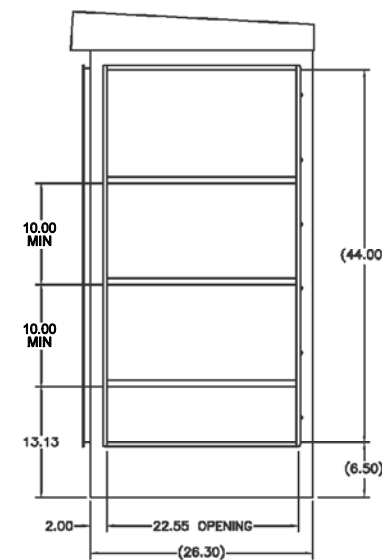
SIDE VIEW



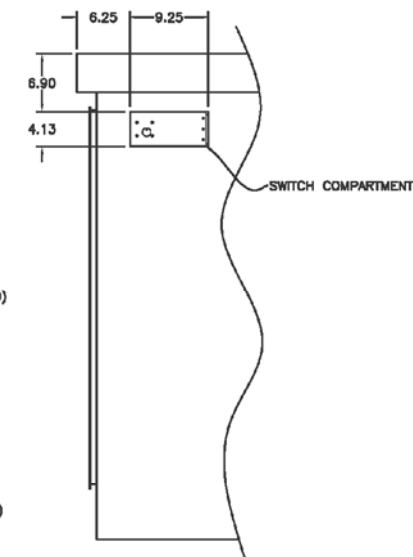
SECTION A-A
DOORS REMOVED FOR CLARITY



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)

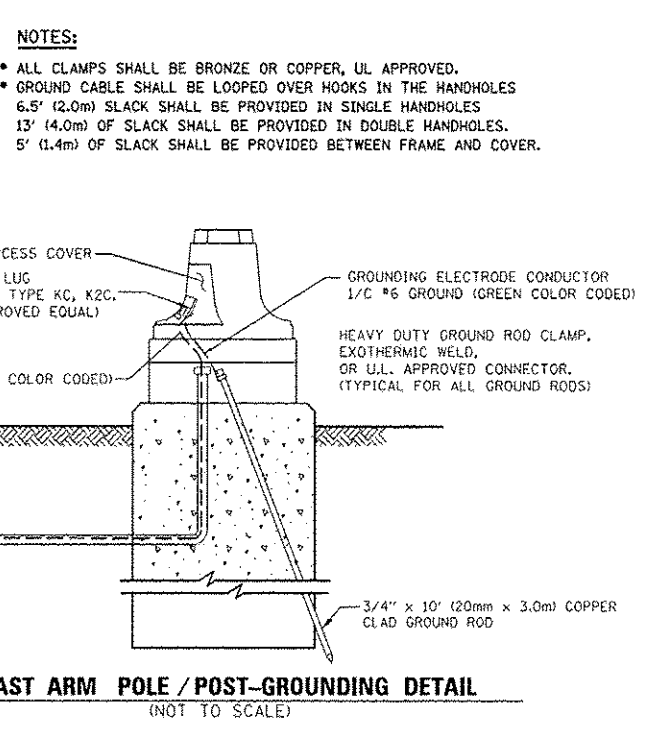
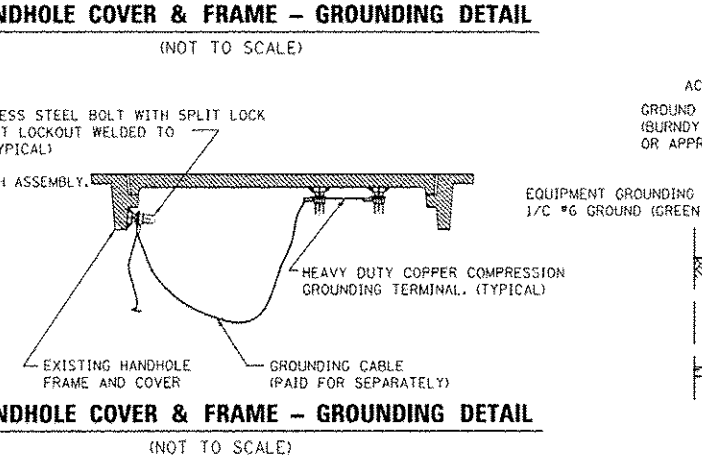
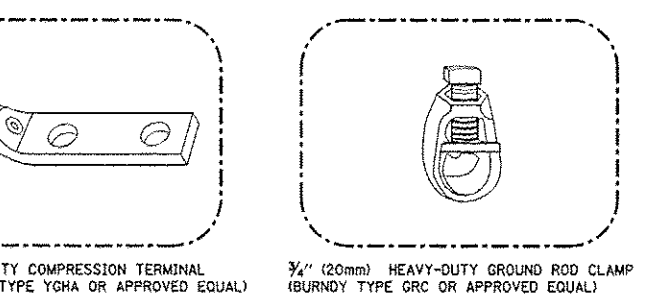
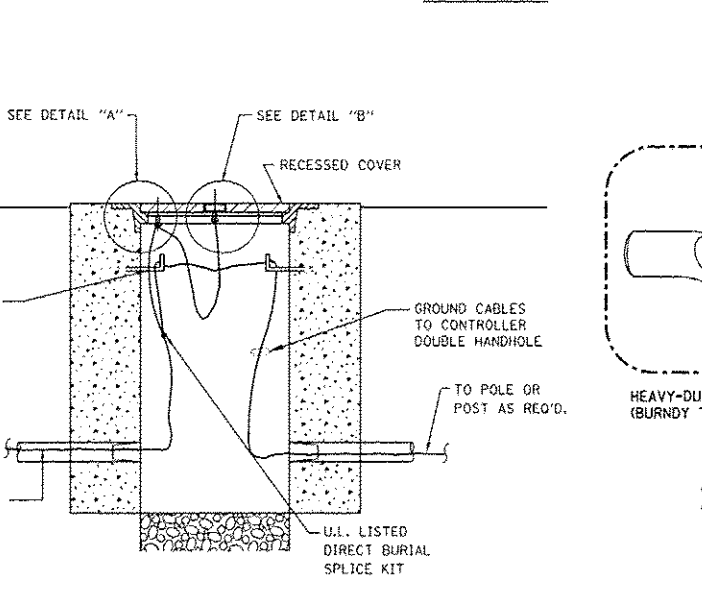
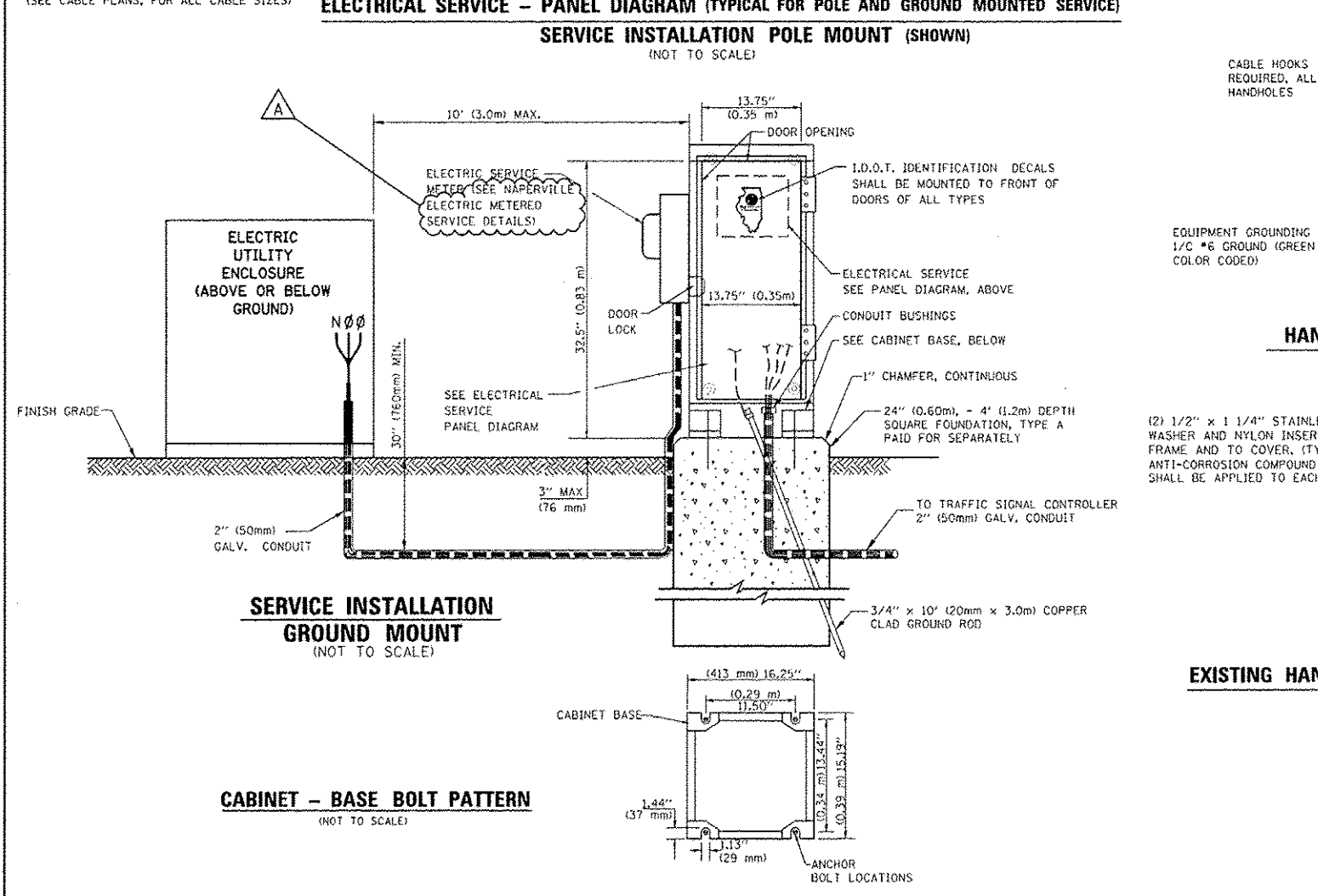
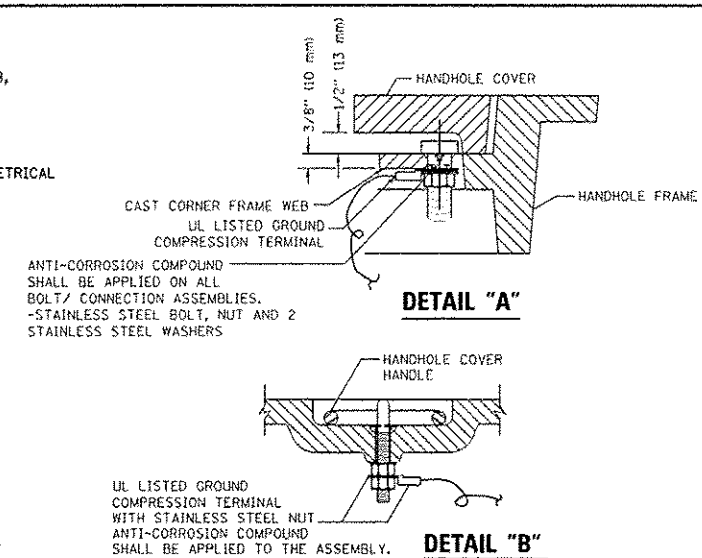
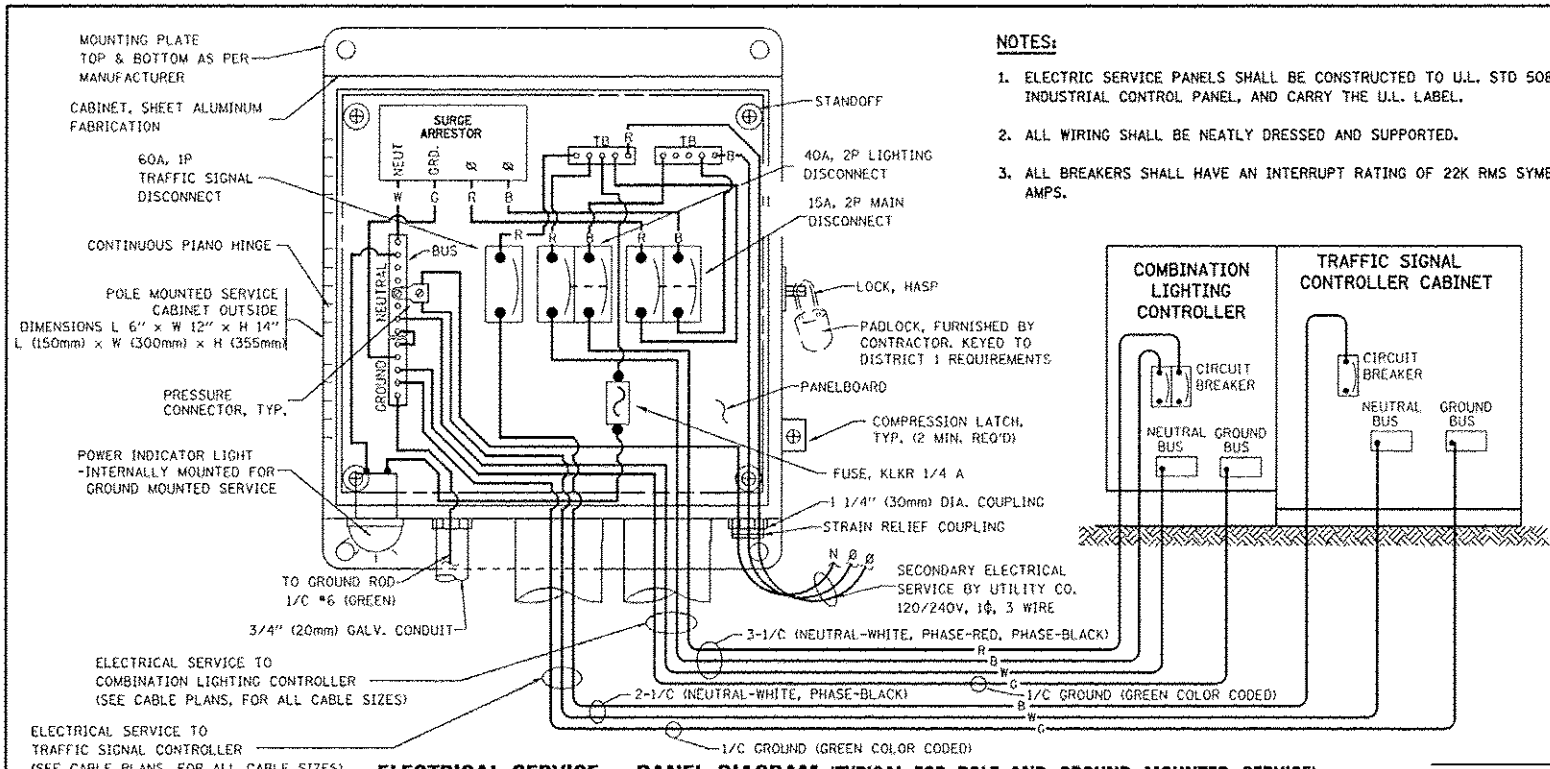
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		DATE <i>08/10/2012</i>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

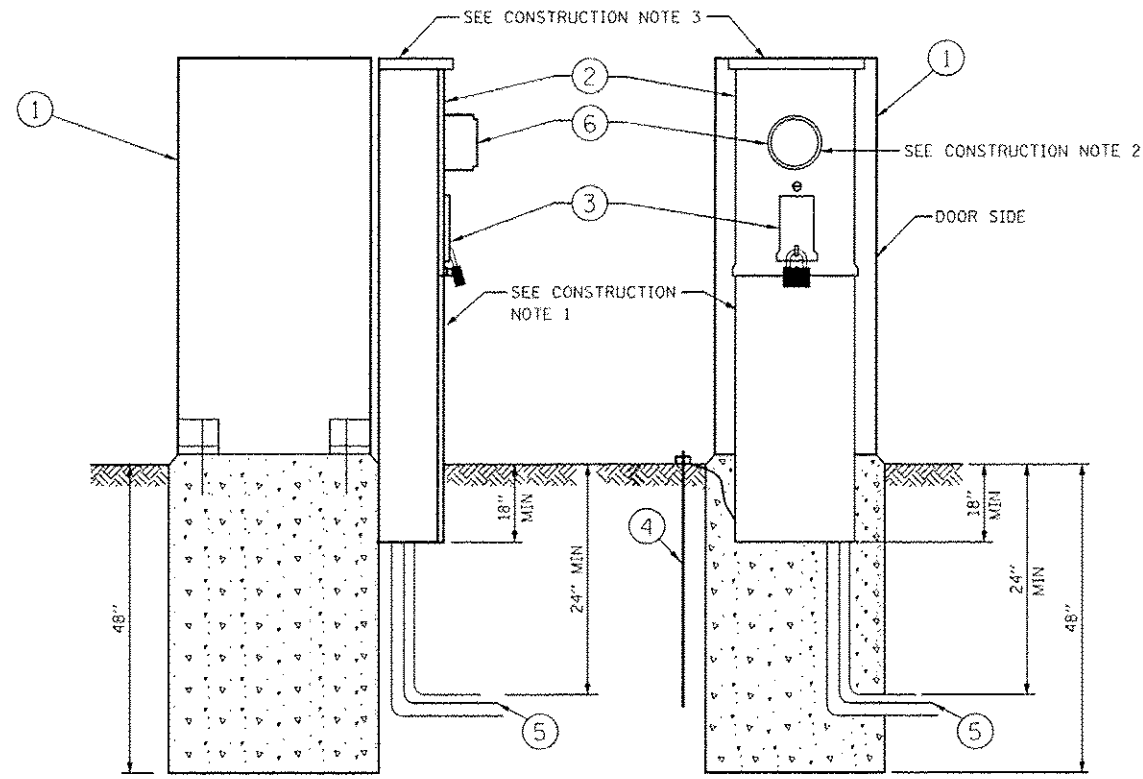
**TRAFFIC SIGNAL CABINET DETAILS
ILLINOIS ROUTE 59**

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	685
TS-93			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				



DESIGNED <i>MJM</i>	REVISED - ADDENDUM A 02/20/2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	METERED ELECTRIC SERVICE - TRAFFIC SIGNALS AND COMBINATION LIGHTING TRAFFIC SIGNAL DESIGN DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN <i>KES</i>	REVISED -				338	(112 & 113) WRS-7	DUPAGE	1156	686
CHECKED <i>JCM</i>	REVISED -				TS-94			CONTRACT NO. 60R30	
DATE <i>12/14/2012</i>	REVISED -				ILLINOIS FED. AID PROJECT				
			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.			



METER TROUGH WITH MAIN DISCONNECT FACTORY INSTALLED
(SEE CONSTRUCTION NOTE 4)

CUSTOMER FURNISHES, INSTALLS AND MAINTAINS

1. IDOT ELECTRIC SERVICE GROUND MOUNTED CABINET
2. METER TROUGH: A DEVICE THE METER PLUGS INTO WITH A REMOVABLE UPPER PROTECTIVE COVER.
3. DISCONNECTING MEANS: THE FACTORY INSTALLED MAIN DISCONNECT WITH PAD LOCK INSTALLED.
4. DRIVEN GROUND: A SAFETY CONNECTION TO PROVIDE AN ELECTRICAL PATH TO EARTH (8' x 3/8" COPPER CLAD). SEE CHART BELOW.
5. ELECTRICAL SERVICE WIRE (CONTRACTOR INSTALLED) PER NEC REQUIREMENTS.

NOTE: ALL HARDWARE MUST BE 3/8" GALVANIZED OR STAINLESS STEEL (NO ZINC ALLOWED).

DPU-E FURNISHES, INSTALLS, AND MAINTAINS

6. METER: A DEVICE THAT MEASURES THE AMOUNT OF ELECTRICITY USED BY A CUSTOMER.

COPPER EXTERNAL GROUNDING WIRE SIZES

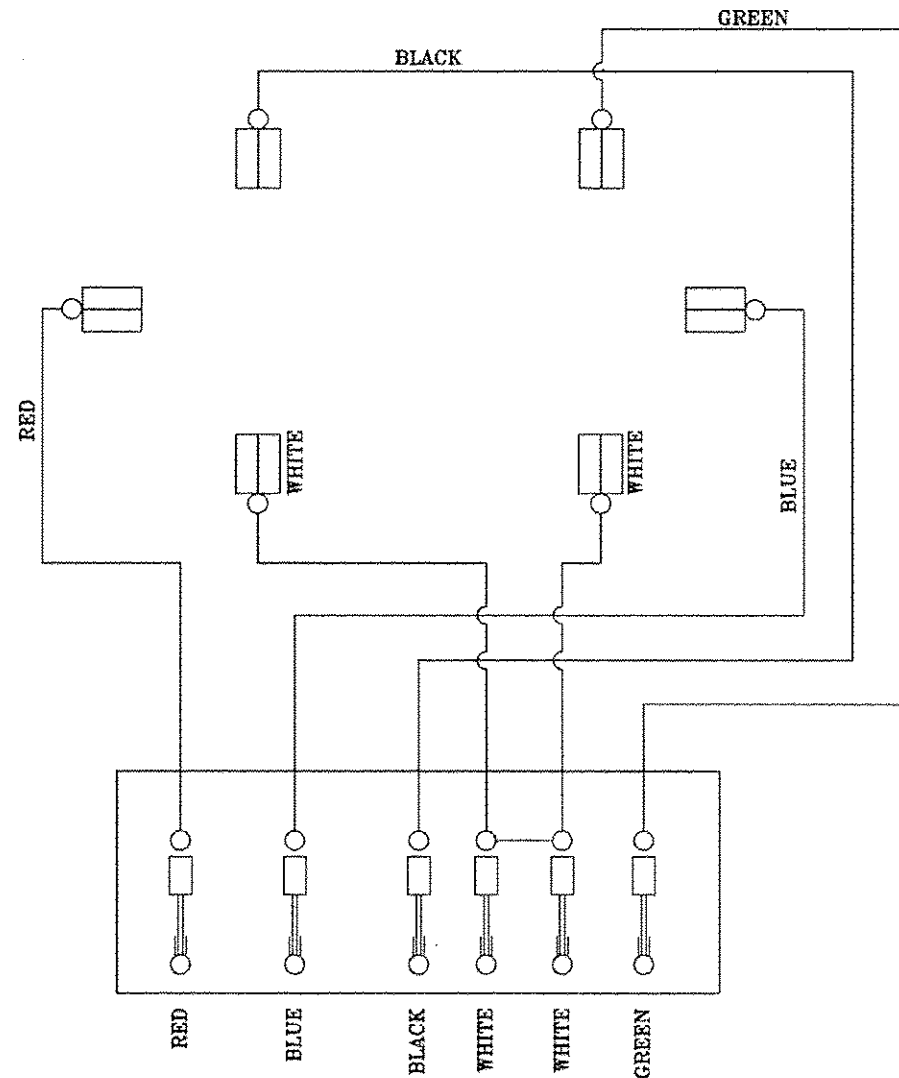
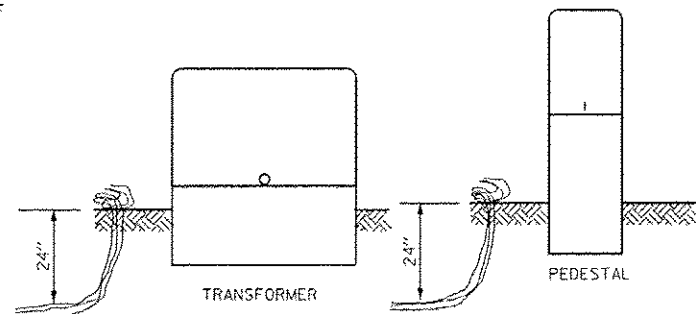
60-100AMP	#8
150AMP	#6
200AMP	#4

COPPER SERVICE ENTRANCE WIRE SIZES

60AMP	#6
100AMP	#3
150AMP	1/0
200AMP	3/0

RULES FOR CONNECTING TO DPU-E EQUIPMENT

- A. SERVICE MUST BE TRENCHED IN AT A DEPTH OF 24" AND A TRENCH INSPECTION MUST BE DONE BEFORE BACKFILL IS COMPLETED (CALL 630-420-6082) TO SCHEDULE AN INSPECTION WITH TED).
- B. AN 8' COIL OF WIRE MUST BE LEFT AS CLOSE TO THE SIDE OF THE TRANSFORMER OR PEDESTAL AS POSSIBLE FOR DPU-E TO CONNECT.
- C. NO GROUND WIRES ARE ALLOWED IN DPU-E EQUIPMENT.
- D. METER TROUGH TO BE LOCATED 5'-15' FROM DPU-E POINT OF ATTACHMENT.
- E. METER TROUGH ASSEMBLY SHALL BE AT LEAST 5' FROM EXCAVATION.
- F. MAY BE USED FOR TEMPORARY ELECTRIC SERVICE.



NOTES:

1. HEIGHT TO CENTER OF METER MUST BE BETWEEN 40"-60".
2. METER SOCKET MUST BE LABELED WITH ADDRESS (INCLUDING SUITE #) WITH 1" PERMANENT LABELS (NO MARKER).
3. 1" CONTINUOUS CONDUIT (NO CONDULETS) FROM TRANSFORMER CABINET TO METER SOCKET.

NAPERVILLE PUBLIC UTILITIES DEPARTMENT	METER SOCKET FOR INSTRUMENT TRANSFORMER INSTALLATIONS	DATE: 06-24-04
ELECTRIC STANDARDS	1Ø, 3 WIRE, 6 TERMINAL OVER 200A	650-6010

CONSTRUCTION NOTES

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

DESIGNED	PJO	REVISED -	ADDENDUM A 02/20/2013
DRAWN	KES	REVISED -	
CHECKED	JCM	REVISED -	
DATE	12/14/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

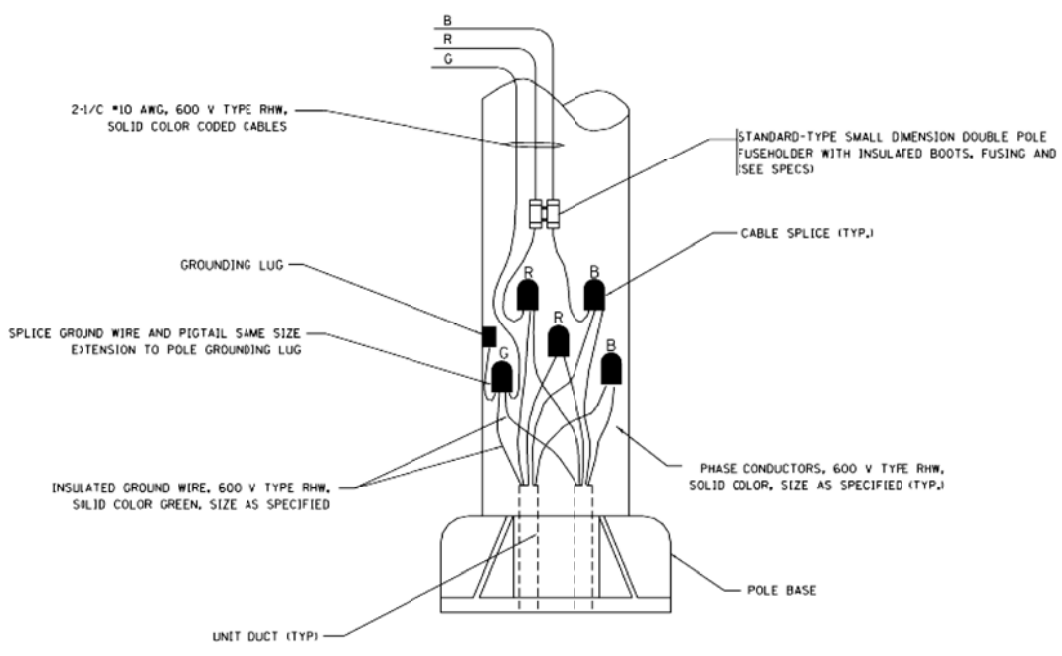
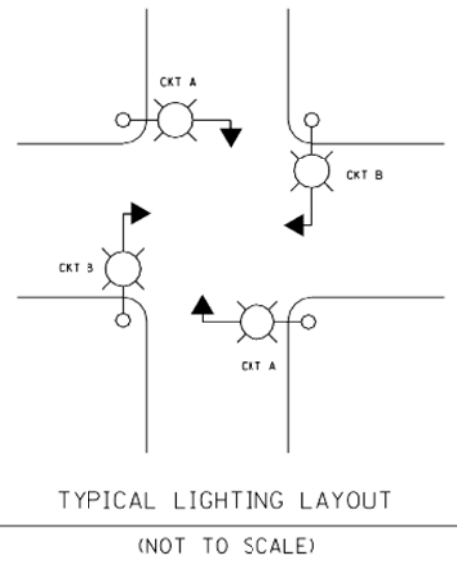
NAPERVILLE ELECTRIC METERED SERVICE DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	687
TS-95			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				

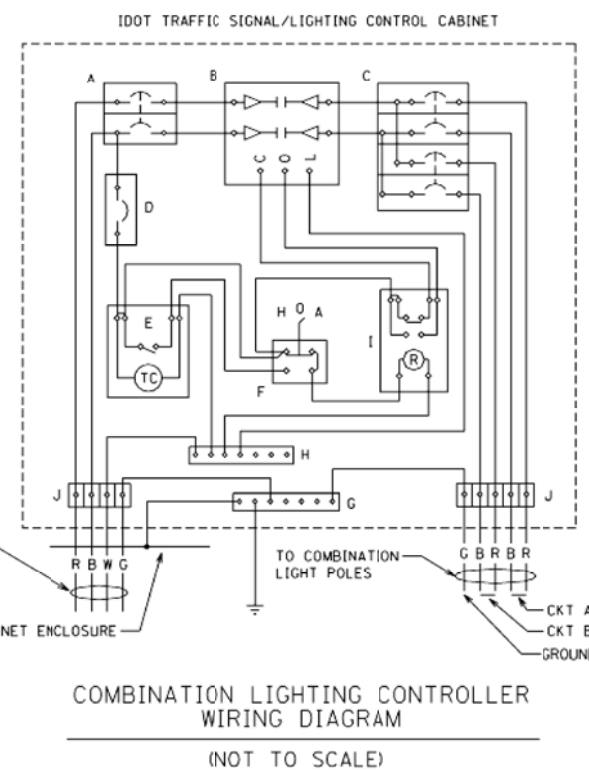
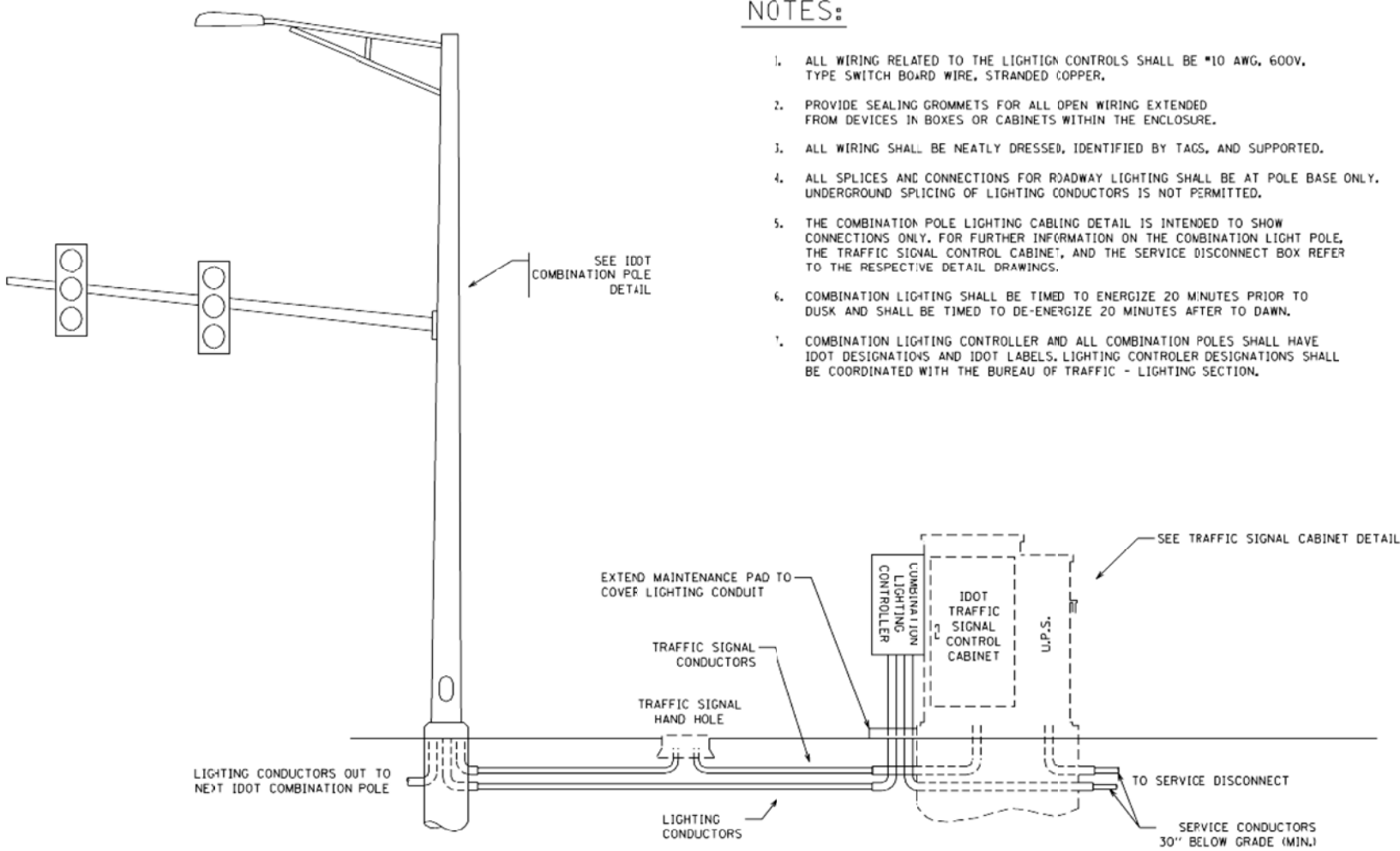
PANEL EQUIPMENT

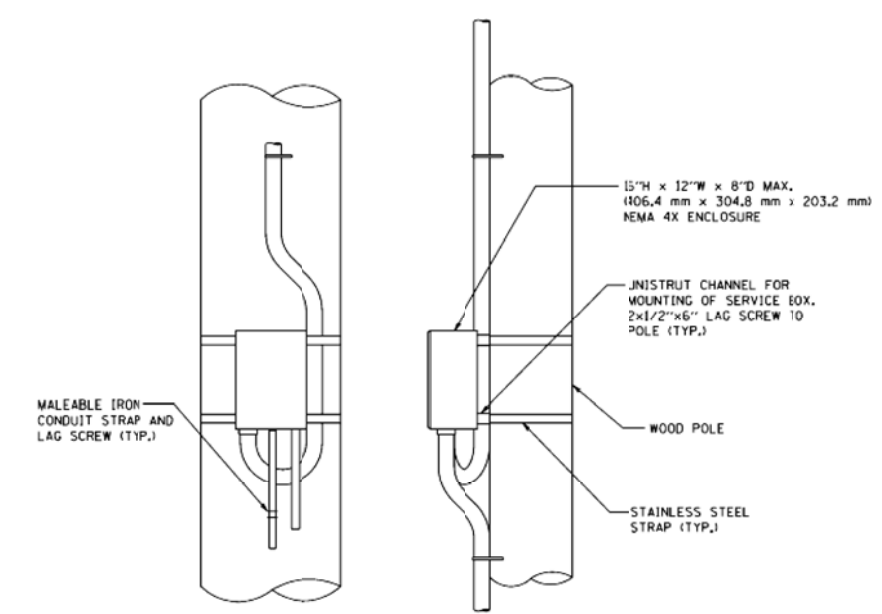
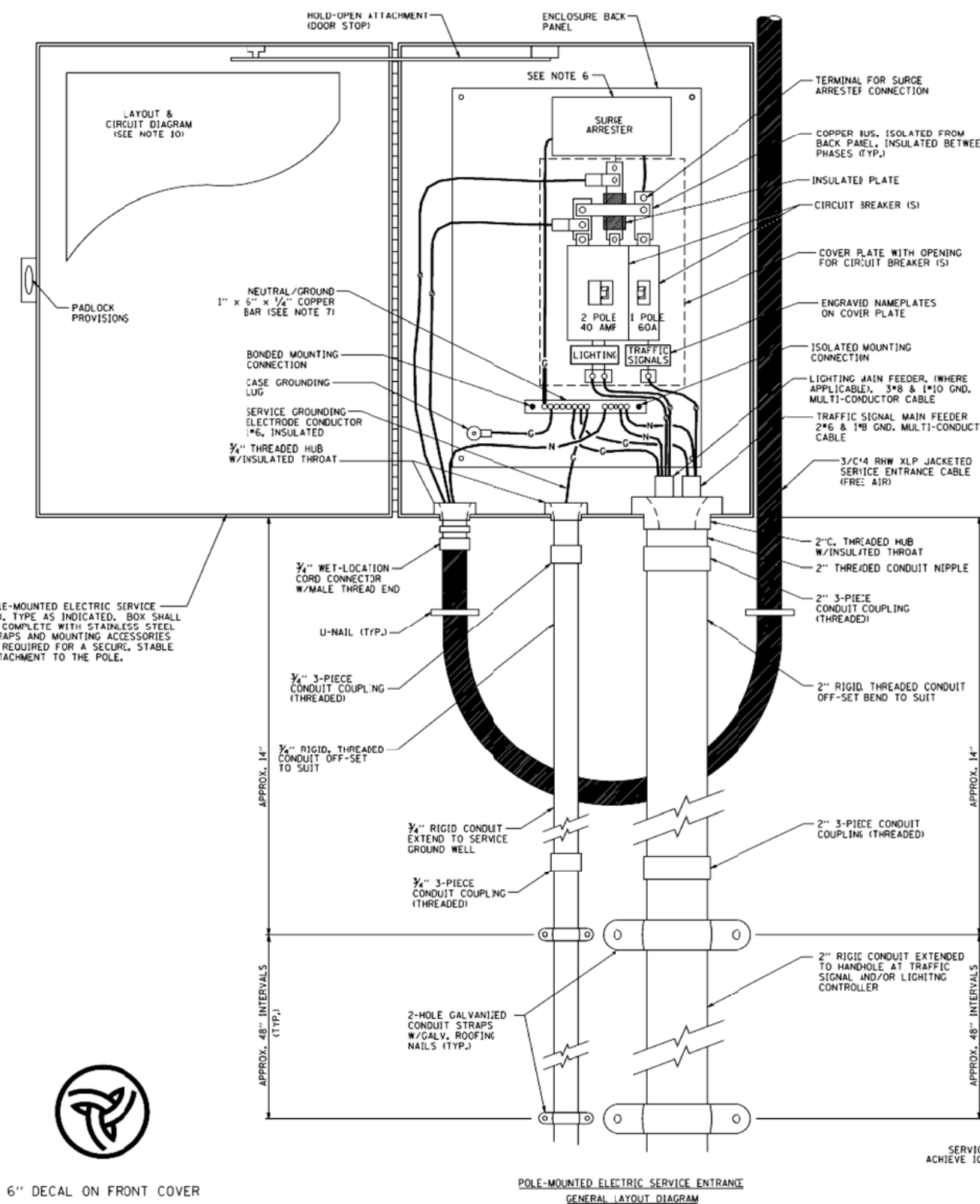
BILL OF MATERIALS		
ITEM	QUANTITY	DESCRIPTION
A	1	CIRCUIT BREAKER, THERMAL MAGNETIC MOLDED CASE, 2 POLE, 240 VOLT 100 AMP FRAME, 30 AMP TRIP, INTERRUPTING RATING 22K RMS SYMMETRICAL AMP
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 30 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT.
C	2	CIRCUIT BREAKERS, 2 POLE, 100 AMP. FRAME 20 AMP. NON-INTERCHANGABLE TRIP INTERRUPTING RATING NEMA 10,000 AMP AT 240 V.
D	1	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 100 AMP FRAME, 15 AMP NON-INTERCHANGABLE TRIP, INTERRUPTING RATING 22K RMS SYMMETRICAL AMP AT 240V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER (TIME SWITCH)
F	1	H-O-A SWITCH
G	1	COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
H	1	COPPER NEUTRAL BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
I	1	RELAY, 2 POLE, SINGLE THROW, 120 VOLT COIL, CURRENT RATING TO BE COORDINATED WITH CONTACTOR
J	2	TERMINAL BLOCK



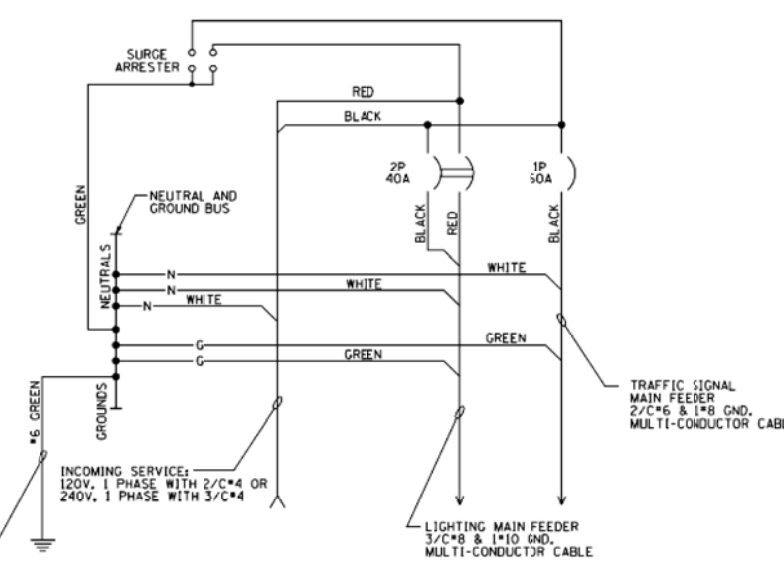
NOTES:

- ALL WIRING RELATED TO THE LIGHTING CONTROLS SHALL BE #10 AWG, 600V, TYPE SWITCH BOARD WIRE, STRANDED COPPER.
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE ENCLOSURE.
- ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED.
- ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY. UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED.
- THE COMBINATION POLE LIGHTING CABLING DETAIL IS INTENDED TO SHOW CONNECTIONS ONLY. FOR FURTHER INFORMATION ON THE COMBINATION LIGHT POLE, THE TRAFFIC SIGNAL CONTROL CABINET, AND THE SERVICE DISCONNECT BOX REFER TO THE RESPECTIVE DETAIL DRAWINGS.
- COMBINATION LIGHTING SHALL BE TIMED TO ENERGIZE 20 MINUTES PRIOR TO DUSK AND SHALL BE TIMED TO DE-ENERGIZE 20 MINUTES AFTER TO DAWN.
- COMBINATION LIGHTING CONTROLLER AND ALL COMBINATION POLES SHALL HAVE IDOT DESIGNATIONS AND IDOT LABELS. LIGHTING CONTROLLER DESIGNATIONS SHALL BE COORDINATED WITH THE BUREAU OF TRAFFIC - LIGHTING SECTION.





DISCONNECT MOUNTING DETAIL
N.T.S.



SCHEMATIC DIAGRAM

- NOTES:**
- ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED OR DESIGNATED BY THE ENGINEER, AND SERVICE DROP CABLE SHALL BE COMPATIBLE WITH THE SERVICE ACCORDINGLY. SOME INSTALLATIONS MAY CALL FOR SERVICE ENTRANCE EQUIPMENT SUITABLE FOR 3-WIRE SERVICE EVEN THOUGH INITIALLY WIRED FOR 2-WIRE SERVICE.
 - THE POLE-MOUNTED ELECTRIC SERVICE BOX DETAIL DEPICTS THE BASIC CONSTRUCTION OF THE EQUIPMENT. SLIGHT MODIFICATIONS APPLY FOR DIFFERING SERVICES AND APPLICATIONS AS FOLLOWS:
 - TYPE A FULLY EQUIPPED FOR 240/120V, 3W SERVICE, COMPLETE WITH LIGHTING MAIN BREAKER
 - TYPE A1 FULLY EQUIPPED FOR 240/120V, 3W SERVICE, BLANK COVER IN LIEU OF LIGHTING MAIN BREAKER
 - TYPE B EQUIPPED FOR 120V, SERVICE, COMPLETE WITH IP, 60A, TRAFFIC SIGNALS MAIN BREAKER
 - TYPE B1 EQUIPPED FOR 120V, SERVICE, COMPLETE WITH IP, 40A, TRAFFIC SURVEILLANCE MAIN BREAKER
 - THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LISTED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT.
 - THE ELECTRIC SERVICE EQUIPMENT ENCLOSURE SHALL BE NEMA 4X STAINLESS STEEL, NOMINALLY 12" W X 16" H X 8" D, WITH A PIANO-HINGED DOOR, STEEL BACK PANEL, FAST-ACTING STAINLESS STEEL ENCLOSURE CLAMPS, PADLOCK PROVISIONS AND DOOR STOP, HOFFMAN CATALOG NO. A-16H120855LP/A-16 P12/A-DSTOPK/C-PMK12, OR APPROVED EQUAL.
 - CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
 - THE SURGE PROTECTOR SHALL BE SUITABLE FOR 240/120 VOLT SINGLE PHASE 60HZ AC ELECTRICAL SERVICE, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MICRO-SECONDS, RATED -40 TO 60 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CMOV230L065XST OR APPROVED EQUAL.
 - BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED, AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS, OR THE ASSEMBLY SHALL BE A MANUFACTURED SPECIALTY PANELBOARD, CUTLER-HAMMER PRL2A OR APPROVED EQUAL.
 - THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE. THE SERVICE NEUTRAL AND SERVICE GROUNDING ELECTRODE CONDUCTOR SHALL BE TERMINATED ADJACENT TO EACH OTHER AT THE DIVIDE BETWEEN THE SECTIONS AND WIRING SHALL BE TERMINATED ONLY UPON THE APPROPRIATE SECTION.
 - THE WIRING TERMINALS, INCLUDING THE GROUND/NEUTRAL BAR SHALL BE ARRANGED TO PROVIDE ADEQUATE ROOM FOR PERFORMING FIELD TERMINATIONS.
 - A PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE MECHANICALLY SECURED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
 - A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.
 - LUGS AND CONNECTORS SHALL BE RATED FOR 75° C CONDUCTOR.
 - THE EXACT MOUNTING HEIGHT OF THE BOX SHALL BE FIELD DETERMINED TO AVOID OBSTRUCTIONS AND PUBLIC ACCESS. TYPICAL HEIGHT SHALL BE APPROXIMATELY 10 FEET ABOVE GRADE.

6" DECAL ON FRONT COVER

POLE-MOUNTED ELECTRIC SERVICE ENTRANCE
GENERAL LAYOUT DIAGRAM

FILE NAME =	USER NAME = \$USER\$	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRIC SERVICE BOX DETAIL	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
K:\Projects\090059\Design\Sheet Files\679r\wlightdetail3.dgn	PLOT SCALE = \$SCALE\$	DRAWN - JDH	REVISED -			338	(112 & 113) WRS-7	DUPAGE	1156	689	
	PLOT DATE = 12/6/2012	CHECKED - KMM	REVISED -			BE-230		CONTRACT NO. 60R30			
		DATE -	REVISED -			SCALE:	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

EROSION CONTROL GENERAL NOTES

1. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORM WATER AND SHALL FOLLOW IEPA & IDOT CONSTRUCTION MEMORANDUM NO. 02-60.
3. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

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

5. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.
6. INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES.
7. TEMPORARY EROSION CONTROL SEEDING MIXTURE WILL DEPEND ON THE TIME OF YEAR SEED IS TO BE APPLIED AND SHALL BE IN ACCORDANCE WITH ARTICLE 1081.15(G) OF THE STANDARD SPECIFICATION. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITHIN SEVEN (7) DAYS OF TEMPORARY EROSION CONTROL SEEDING.
8. DUST CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 107.36 OF THE STANDARD SPECIFICATIONS.

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

10. WHENEVER DURING CONSTRUCTION OPERATIONS, LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC., SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THE CONTRACTORS FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIAL CREATED AS A RESULT THERE OF.
11. BROADCASTING OF THE SEED BY MACHINE, HAND METHODS, HYDRAULIC SEEDING OR OTHER METHODS APPROVED BY THE ENGINEER WILL BE ALLOWED FOR TEMPORARY EROSION CONTROL SEEDING.
12. TOPSOIL AND FERTILIZER NUTRIENTS ARE NOT REQUIRED FOR TEMPORARY EROSION CONTROL SEEDING.

13. SEED BED PREPARATION WILL NOT BE REQUIRED FOR TEMPORARY EROSION CONTROL SEEDING IF THE SOIL IS IN A LOOSE CONDITION. LIGHT DISKING SHALL BE DONE IF THE SOIL IS HARD PACKED OR CAKED.
14. ALL PERIMETER EROSION BARRIER AND TEMPORARY FENCE SHALL BE INSTALLED WITHIN THE TEMPORARY EASEMENT, PROPOSED RIGHT-OF-WAY OR EXISTING RIGHT-OF-WAY.
15. TEMPORARY EROSION CONTROL BLANKET SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AFTER TEMPORARY EROSION CONTROL SEEDING HAS BEEN COMPLETED ON ALL AREAS WITH SLOPES OF 1:3 (V:H) OR STEEPER.
16. THE CONSTRUCTION LIMITS WILL BE STAKED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.

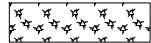



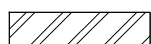

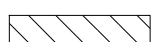



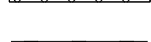







- 17. ALL EXISTING STRUCTURES OR PIPES NOT SHOWN ON EROSION CONTROL PLANS SHALL BE REMOVED (OR PLUGGED UNTIL REMOVAL IS POSSIBLE) DURING THE CONSTRUCTION SO THAT NO SEDIMENT CAN ENTER THE DRAINAGE SYSTEM. THIS SHALL BE CONSIDERED IN THE COST OF THE REMOVAL OF EXISTING STRUCTURES.

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

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

20. ALL RIM AND INVERTS FOR TEMPORARY DRAINAGE STRUCTURES ARE ESTIMATES AND NEED TO BE FIELD VERIFIED, NOTIFY THE ENGINEER OF ANY DISCREPENCIES PRIOR TO INSTALLATION. NO EXTRA COMPENSATION WILL BE PROVIDED FOR ANY DISCREPENCIES DETERMINED IN THE FIELD.
21. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND LIVE STREAMS OR WETLANDS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE, AND STABILIZED IMMEDIATELY AFTER FINAL SHAPING OF THE PILE IN ACCORDANCE WITH MULCH, METHOD 2. THE CONTRACTOR WILL PROVIDE AN ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCK PILE.
22. SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING MEASURE PRIOR TO RELEASE FROM THE SITE.

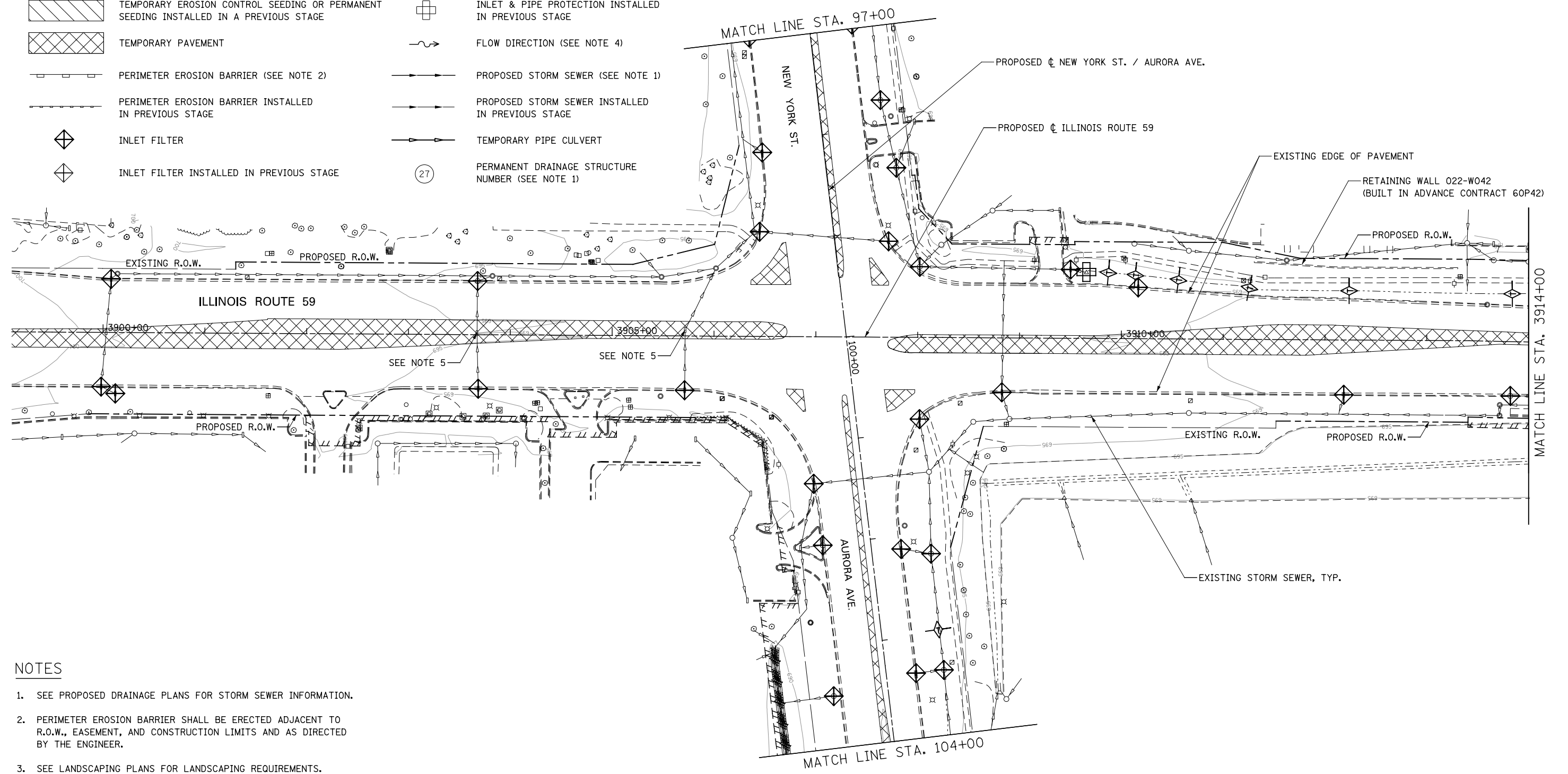
EROSION CONTROL LEGEND

	TEMPORARY EROSION CONTROL SEEDING AND MULCH METHOD 2		TEMPORARY DITCH CHECK
	TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET		TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
	PERMANENT SEEDING		INLET & PIPE PROTECTION
	TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE		INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
	TEMPORARY PAVEMENT		FLOW DIRECTION
	PERIMETER EROSION BARRIER		PROPOSED STORM SEWER
	PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE		PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
	INLET FILTER		TEMPORARY PIPE CULVERT
	INLET FILTER INSTALLED IN PREVIOUS STAGE		PERMANENT DRAINAGE STRUCTURE NUMBER

	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.	
	DRAWN <i>KES</i>	REVISED -			338	(112 & 113) WRS-7	DUPAGE	1156	690	
	CHECKED <i>JCM</i>	REVISED -			CONTRACT NO. 60R30					
	DATE <i>12/14/2012</i>	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: AS SHOWN	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.			

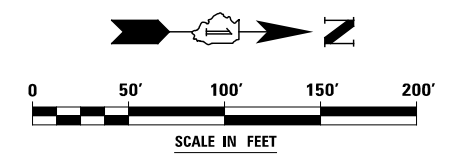
EROSION CONTROL LEGEND

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



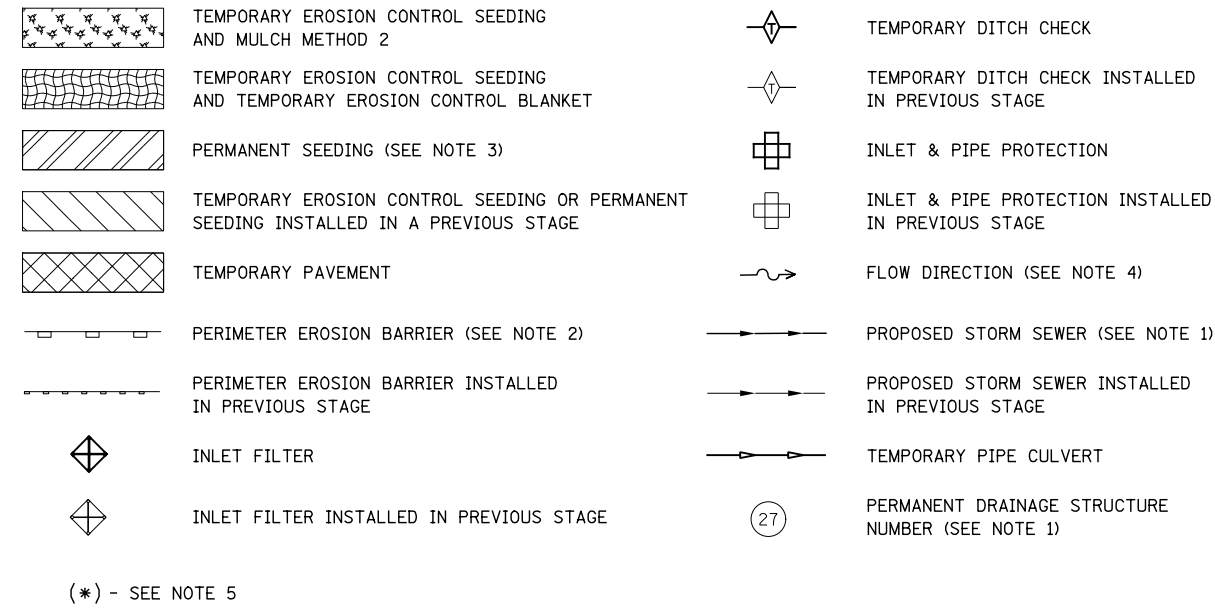
NOTES

- 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.



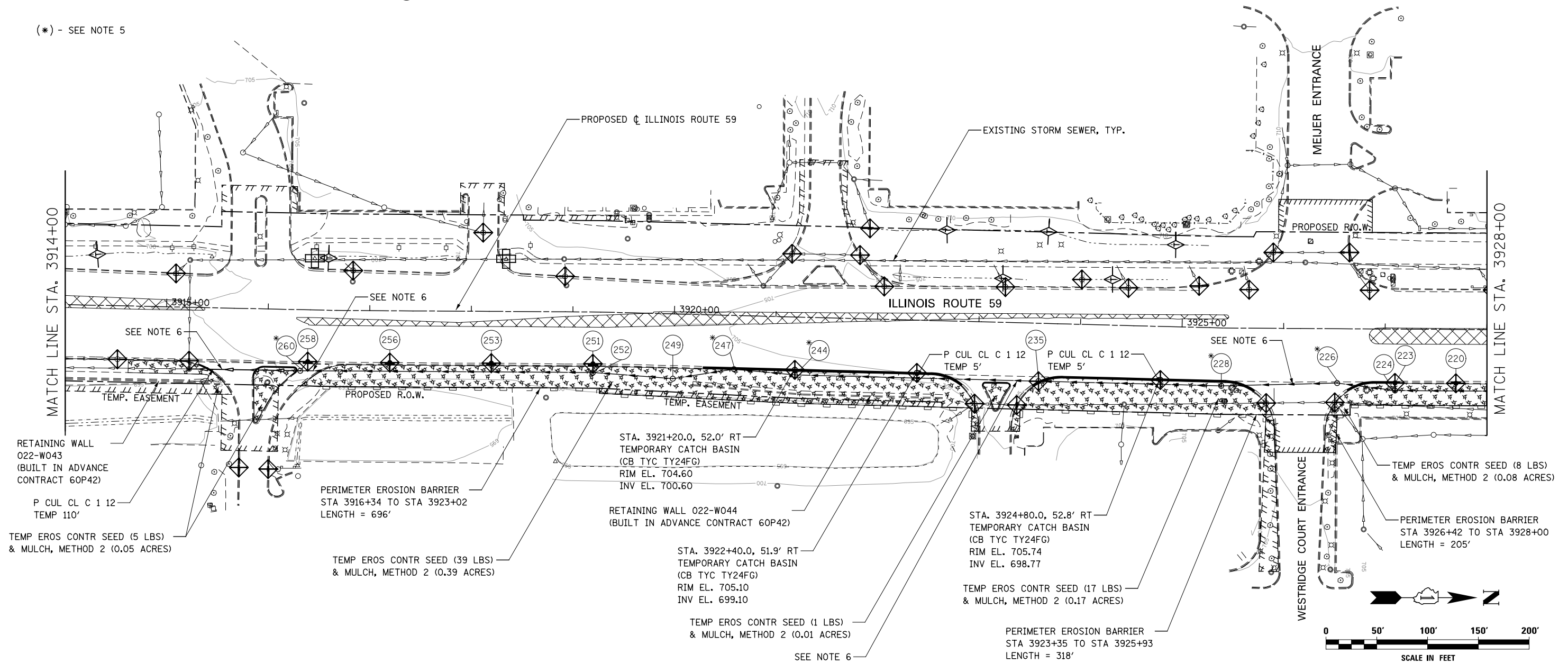
		DESIGNED <i>PJO</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL - PRE STAGE 1 AND 1A ILLINOIS ROUTE 59		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>KES</i>	REVISED -		338	(112 & 113) WRS-7	DUPAGE	1156	691			
		CHECKED <i>JCM</i>	REVISED -		CONTRACT NO. 60R30							
		DATE <i>12/14/2012</i>	REVISED -		ILLINOIS FED. AID PROJECT							
					SCALE: AS SHOWN	SHEET NO. 1 OF 70 SHEETS	STA. 3899+10	TO STA. 3914+00				

EROSION CONTROL LEGEND



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.
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. 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).



DESIGNED	PJO	REVISED	-
DRAWN	KES	REVISED	-
CHECKED	JCM	REVISED	-
DATE	12/14/2012	REVISED	-

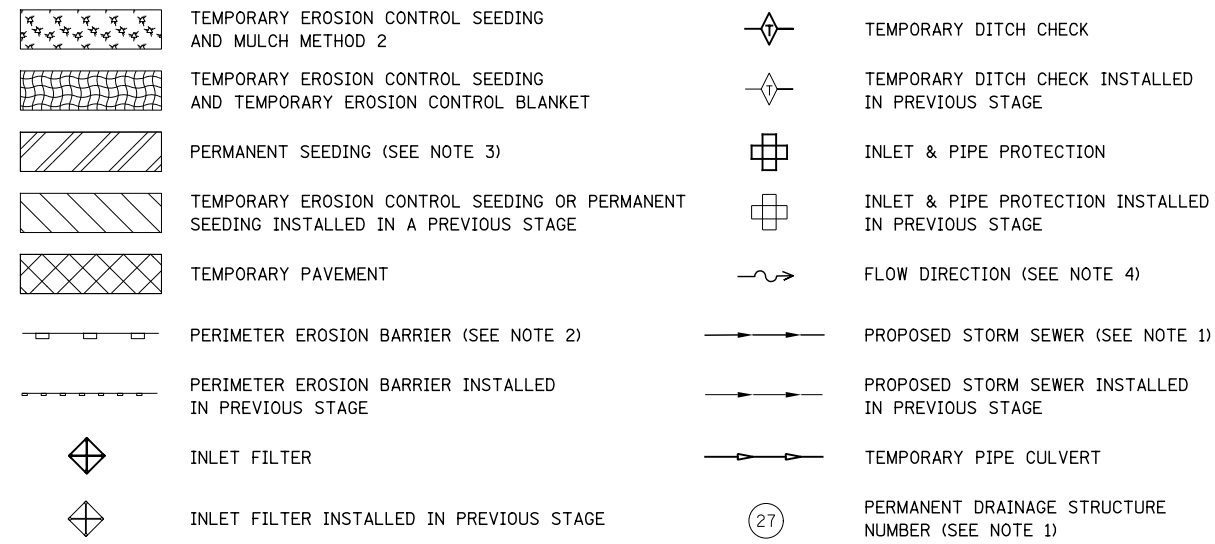
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL - PRE STAGE 1 AND 1A
ILLINOIS ROUTE 59**

SCALE: AS SHOWN | SHEET NO. 2 OF 70 SHEETS | STA. 3914+00 TO STA. 3928+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	692
CONTRACT NO. 60R30				
ILLINOIS FED. AID PROJECT				

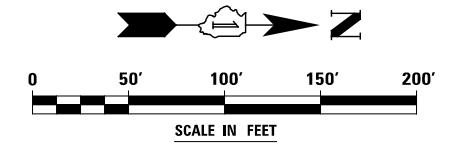
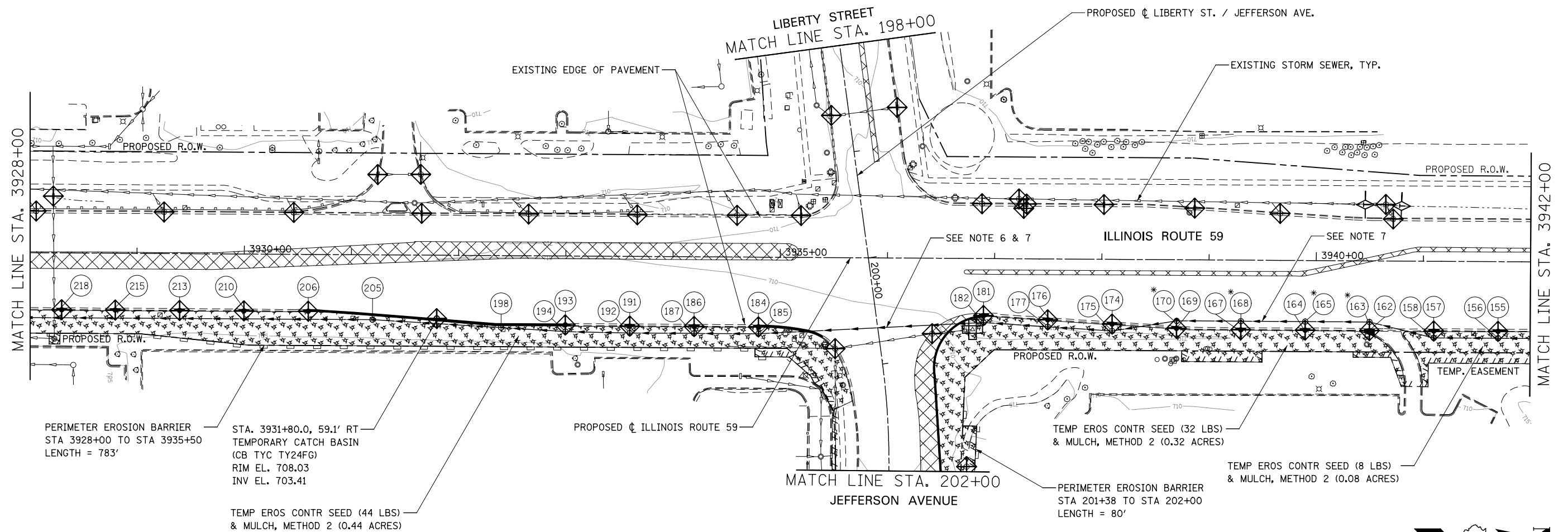
EROSION CONTROL LEGEND



(*) - SEE NOTE 5

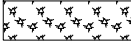

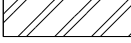
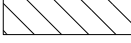

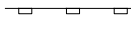
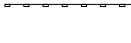











NOTES

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



DESIGNED	PJO	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL - PRE STAGE 1 AND 1A ILLINOIS ROUTE 59	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN	KES	REVISED	-			338	(112 & 113) WRS-7	DUPAGE	1156	693	
CHECKED	JCM	REVISED	-			CONTRACT NO. 60R30					
DATE	12/14/2012	REVISED	-			ILLINOIS FED. AID PROJECT					
				SCALE: AS SHOWN SHEET NO. 3 OF 70 SHEETS STA. 3928+00 TO STA. 3942+00							

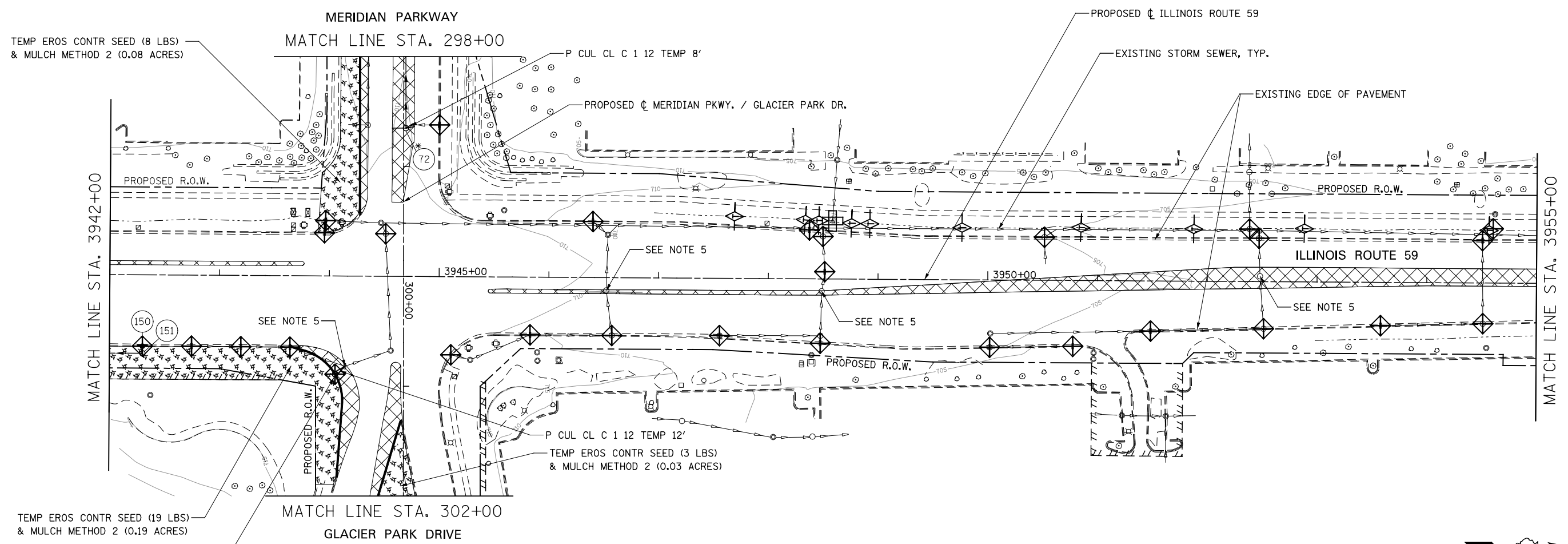
EROSION CONTROL LEGEND

-  TEMPORARY EROSION CONTROL SEEDING AND MULCH METHOD 2
-  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
-  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
-  PERMANENT DRAINAGE STRUCTURE NUMBER (SEE NOTE 1)

(*) - SEE NOTE 6

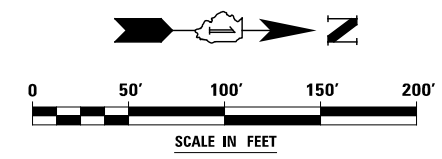
NOTES

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.
5. REMOVING INLETS/CATCH BASINS/MANHOLES TO MAINTAIN FLOW.
6. 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.



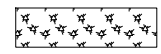

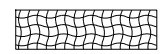

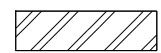

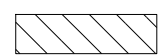





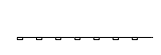





TEMP EROS CONTR SEED (19 LBS) & MULCH METHOD 2 (0.19 ACRES)

STA 3944+05, 89.5' RT
TEMPORARY CATCH BASIN
(CB TYC TY24FG)
RIM EL. 711.01
INV EL. 708.84 (NE)



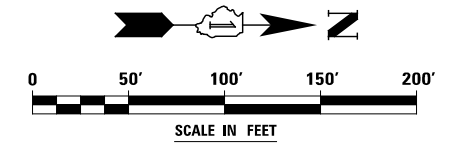
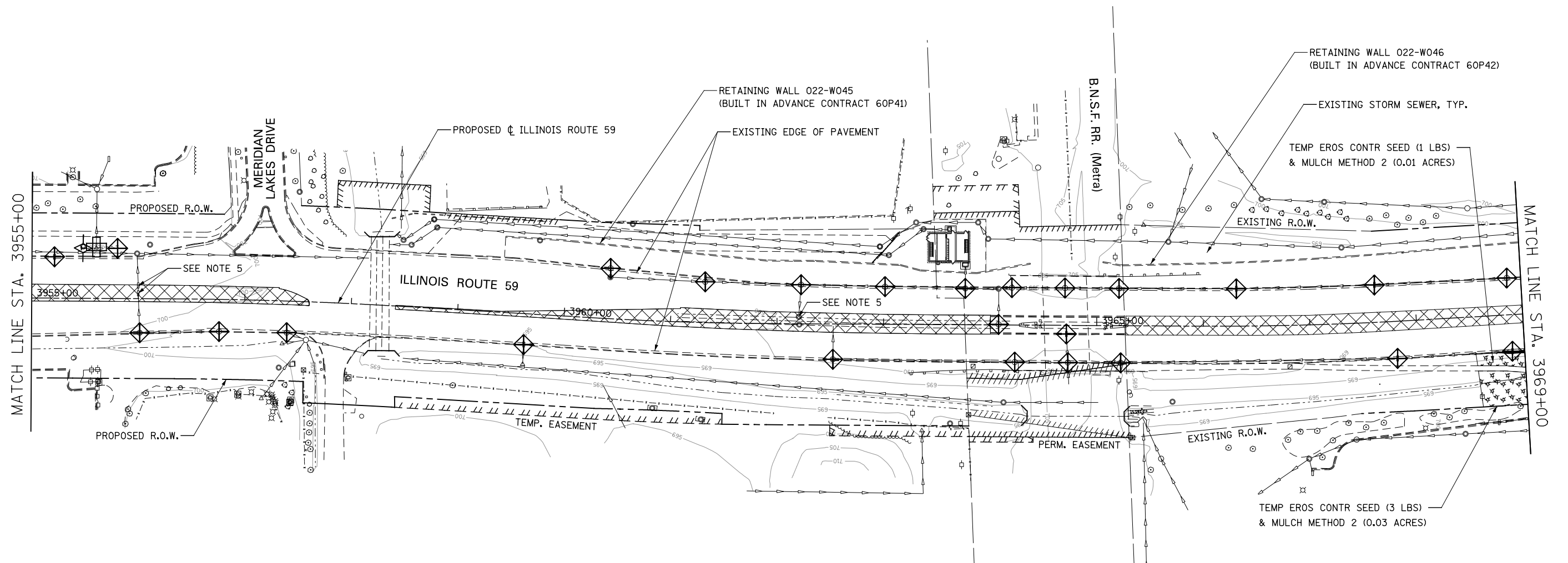
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	DRAWN <i>KES</i>	REVISED -			338	(112 & 113) WRS-7	DUPAGE	1156	694	
	CHECKED <i>JCM</i>	REVISED -			CONTRACT NO. 60R30					
	DATE <i>12/14/2012</i>	REVISED -			ILLINOIS FED. AID PROJECT					
			SCALE: AS SHOWN		SHEET NO. 4 OF 70 SHEETS		STA. 3942+00 TO STA. 3955+00			

EROSION CONTROL LEGEND

	TEMPORARY EROSION CONTROL SEEDING AND MULCH METHOD 2		TEMPORARY DITCH CHECK
	TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET		TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
	PERMANENT SEEDING (SEE NOTE 3)		INLET & PIPE PROTECTION
	TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE		INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
	TEMPORARY PAVEMENT		FLOW DIRECTION (SEE NOTE 4)
	PERIMETER EROSION BARRIER (SEE NOTE 2)		PROPOSED STORM SEWER (SEE NOTE 1)
	PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE		PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
	INLET FILTER		TEMPORARY PIPE CULVERT
	INLET FILTER INSTALLED IN PREVIOUS STAGE		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.
5. REMOVING INLETS/CATCH BASINS/MANHOLES TO MAINTAIN FLOW.



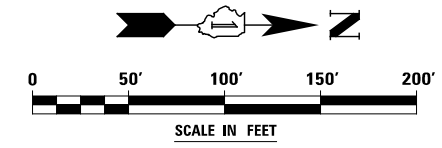
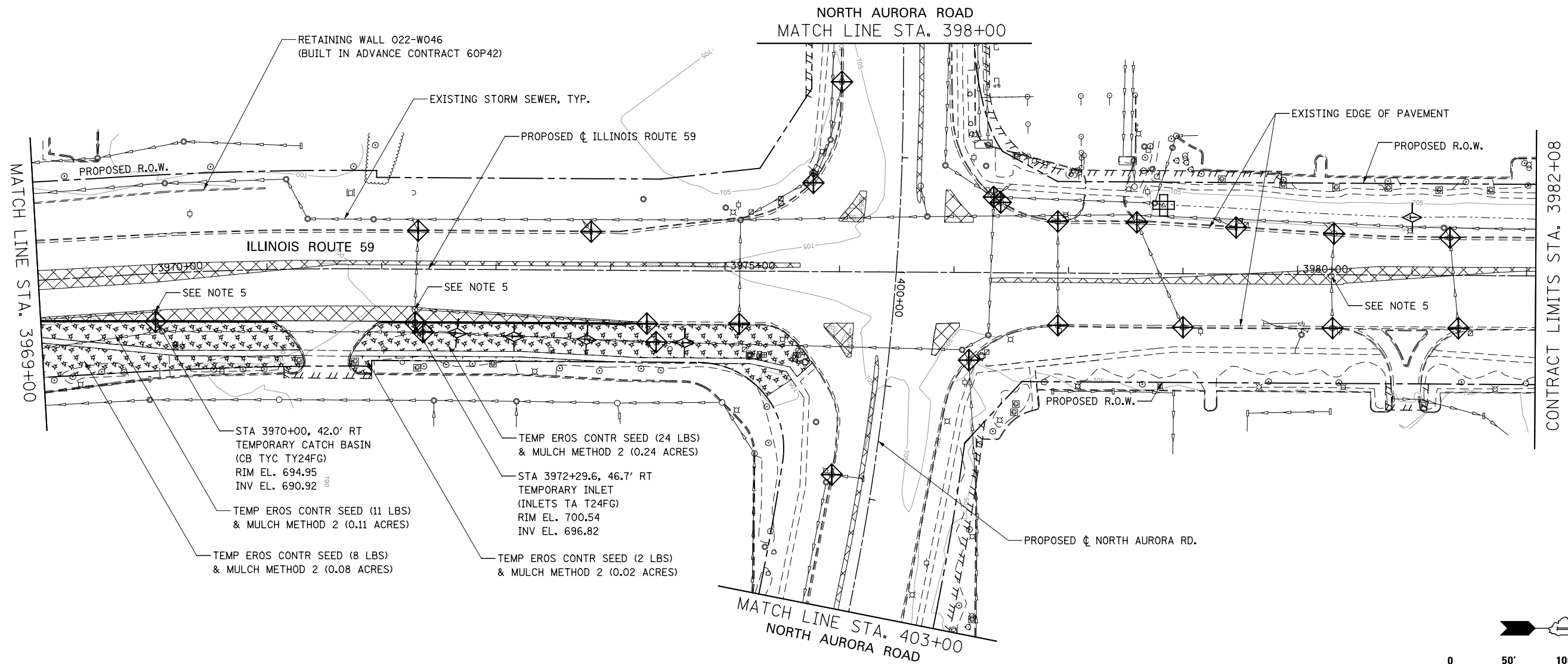
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DESIGNED <i>PJO</i>	REVISED -	EROSION CONTROL - PRE STAGE 1 AND 1A ILLINOIS ROUTE 59	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN <i>KES</i>	REVISED -		338	(112 & 113) WRS-7	DUPAGE	1156	695
	CHECKED <i>JCM</i>	REVISED -		CONTRACT NO. 60R30				
	DATE <i>12/14/2012</i>	REVISED -		ILLINOIS FED. AID PROJECT				
SCALE: AS SHOWN			SHEET NO. 5 OF 70 SHEETS	STA. 3955+00 TO STA. 3969+00				

EROSION CONTROL LEGEND

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



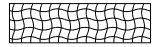



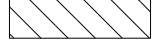



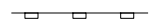
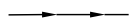



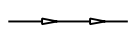


NOTES

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.
5. REMOVING INLETS/CATCH BASINS/MANHOLES TO MAINTAIN FLOW.



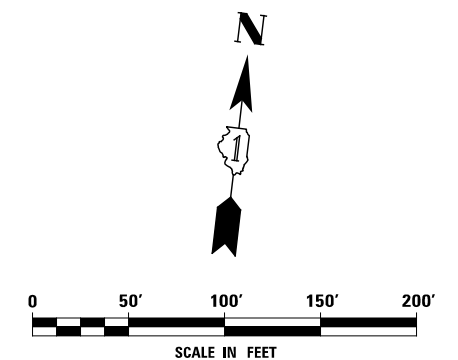
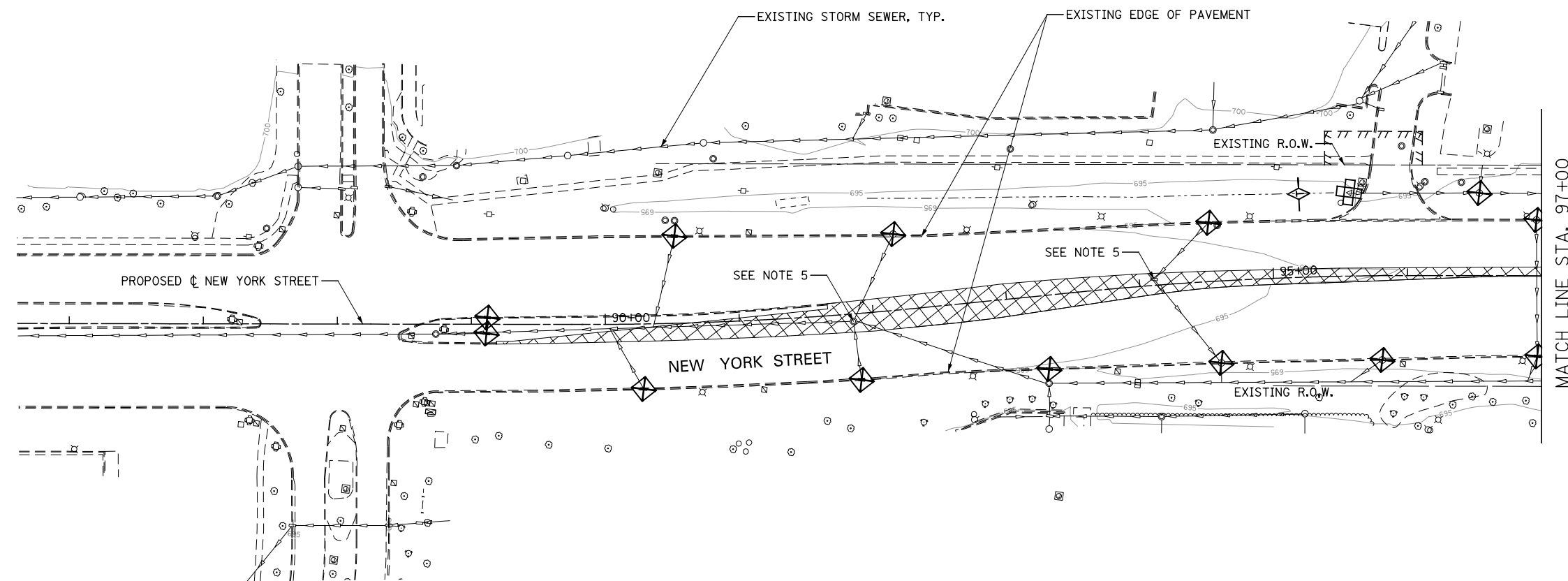
DESIGNED <i>PJO</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL – PRE STAGE 1 AND 1A ILLINOIS ROUTE 59		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN <i>KES</i>	REVISED -		SCALE: AS SHOWN	SHEET NO. 6 OF 70 SHEETS	338	(112 & 113) WRS-7	DUPAGE	1156	696	
CHECKED <i>JCM</i>	REVISED -		STA. 3969+00 TO STA. 3982+08			CONTRACT NO. 60R30				
DATE <i>12/14/2012</i>	REVISED -		ILLINOIS FED. AID PROJECT							

EROSION CONTROL LEGEND

	TEMPORARY EROSION CONTROL SEEDING AND MULCH METHOD 2		TEMPORARY DITCH CHECK
	TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET		TEMPORARY DITCH CHECK INSTALLED IN PREVIOUS STAGE
	PERMANENT SEEDING (SEE NOTE 3)		INLET & PIPE PROTECTION
	TEMPORARY EROSION CONTROL SEEDING OR PERMANENT SEEDING INSTALLED IN A PREVIOUS STAGE		INLET & PIPE PROTECTION INSTALLED IN PREVIOUS STAGE
	TEMPORARY PAVEMENT		FLOW DIRECTION (SEE NOTE 4)
	PERIMETER EROSION BARRIER (SEE NOTE 2)		PROPOSED STORM SEWER (SEE NOTE 1)
	PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE		PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
	INLET FILTER		TEMPORARY PIPE CULVERT
	INLET FILTER INSTALLED IN PREVIOUS STAGE		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.
5. REMOVING INLETS/CATCH BASINS/MANHOLES TO MAINTAIN FLOW.



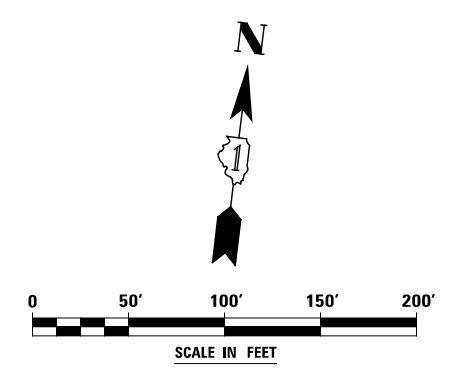
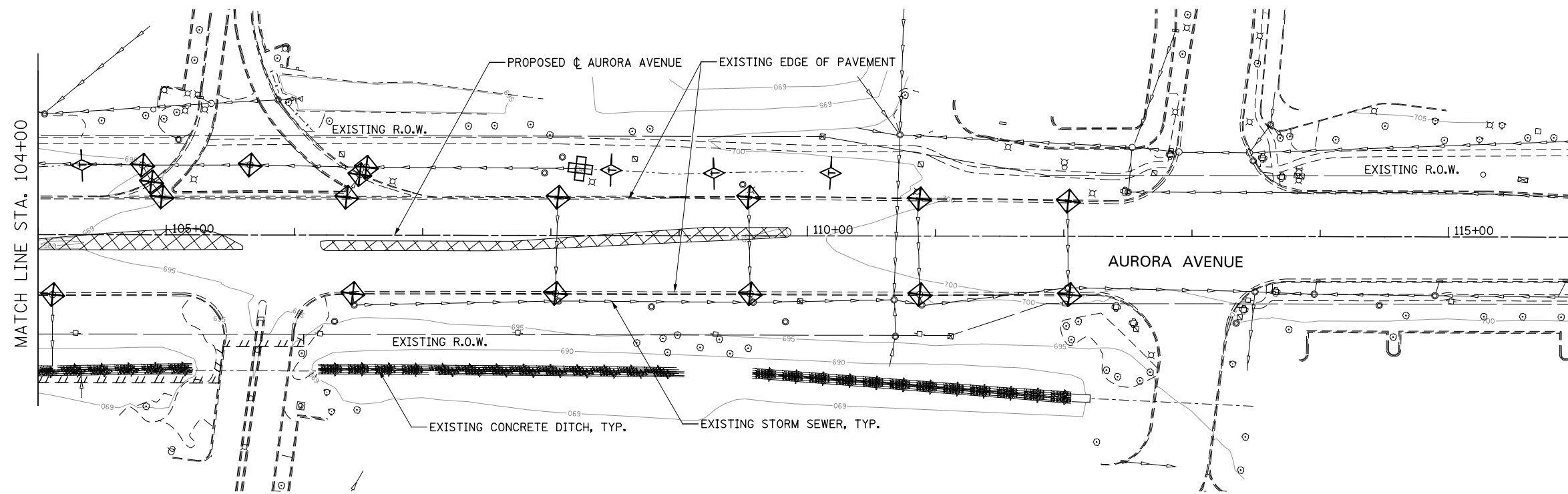
DESIGNED <i>PJO</i> DRAWN <i>KES</i> CHECKED <i>JCM</i> DATE <i>12/14/2012</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL - PRE STAGE 1 AND 1A NEW YORK STREET		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	REVISED -				338	(112 & 113) WRS-7	DUPAGE	1156	697
	REVISED -				CONTRACT NO. 60R30				
	REVISED -				ILLINOIS FED. AID PROJECT				
			SCALE: AS SHOWN	SHEET NO. 7 OF 70 SHEETS	STA. 85+50	TO STA. 97+00			

EROSION CONTROL LEGEND

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

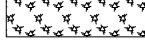

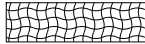

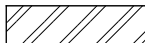

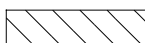











NOTES

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.



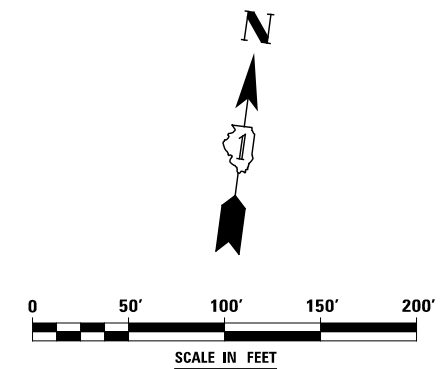
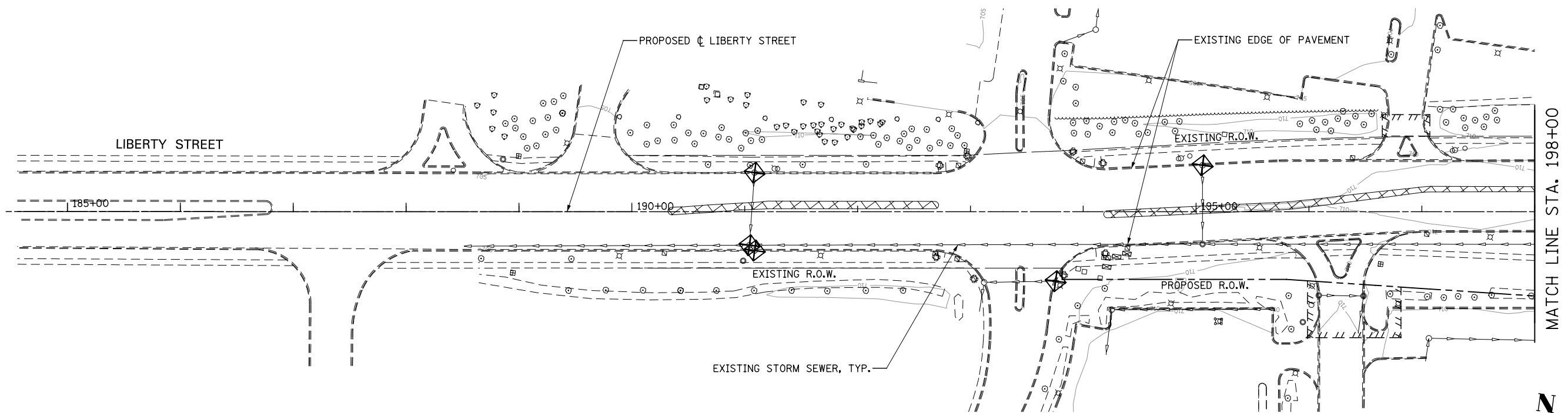
	DESIGNED	PJO	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL – PRE STAGE 1 AND 1A AURORA AVENUE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN	KES	REVISED	-				338	(112 & 113) WRS-7	DUPAGE	1156	698
	CHECKED	JCM	REVISED	-				CONTRACT NO. 60R30				
	DATE	12/14/2012	REVISED	-				ILLINOIS FED. AID PROJECT				
SCALE: AS SHOWN						SHEET NO. 8 OF 70 SHEETS	STA. 104+00 TO STA. 116+00					

EROSION CONTROL LEGEND

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

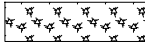

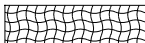

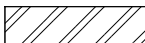

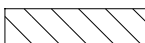











NOTES

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.



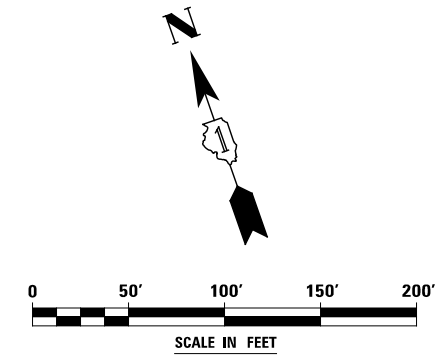
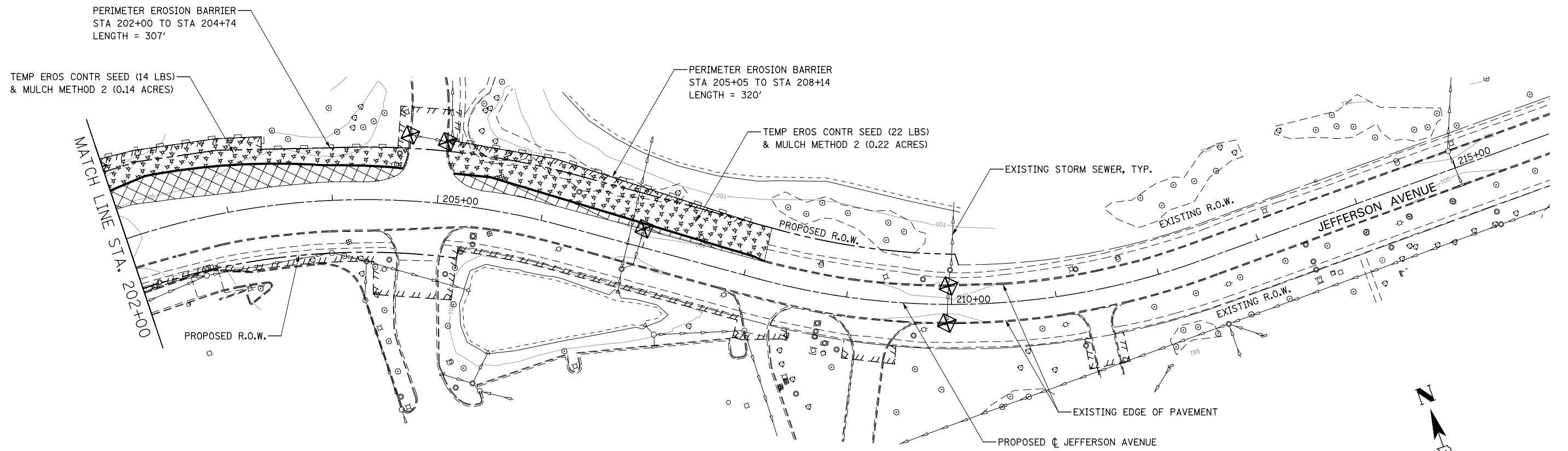
DESIGNED <i>PJO</i> DRAWN <i>KES</i> CHECKED <i>JCM</i> DATE <i>12/14/2012</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL – PRE STAGE 1 AND 1A LIBERTY STREET		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	REVISED -		338	(112 & 113) WRS-7	DUPAGE	1156	699		
	REVISED -		CONTRACT NO. 60R30						
	REVISED -		ILLINOIS FED. AID PROJECT						
SCALE: AS SHOWN SHEET NO. 9 OF 70 SHEETS STA. 185+00 TO STA. 198+00									

EROSION CONTROL LEGEND

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



DESIGNED <i>PJO</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL – PRE STAGE 1 AND 1A JEFFERSON AVENUE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN <i>KES</i>	REVISED -		SCALE: AS SHOWN	SHEET NO. 10 OF 70 SHEETS	338	(112 & 113) WRS-7	DUPAGE	1156	700	
CHECKED <i>JCM</i>	REVISED -					CONTRACT NO. 60R30				
DATE <i>12/14/2012</i>	REVISED -					ILLINOIS FED. AID PROJECT				