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

4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE 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) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.

8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OEPRATION 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.

11. THE EXACT LOCATION OF THE ELECTRIC SERVICE INSTALLATION SHALL BE DETERMINED AFTER RELOCATION OF THE EXISTING ELECTRIC UTILITIES.

12. THE CONTRACTORS SHALL SAFELY STORE ALL EQUIPMENT TO BE RELOCATED TO THE PERMANENT TRAFFIC SIGNAL INSTALLATION. IF ANY EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL PROVIDE NEW EQUIPMENT AT NO ADDITIONAL COST. THIS WORK SHALL BE INCLUDED IN THE COST OF RELOCATION OF THE EQUIPMENT.

13. THE EXISTING LAYER II SWITCH AND ENCODER IN THE CONTROLLER CABINET SHALL BE RELOCATED TO THE TEMPORARY AND PERMANENT TRAFFIC SIGNAL INSTALLATIONS.

14. ALL STATIONS AND OFFSETS ARE DIMENSIONED FROM THE CENTERLINE OF QUENTIN ROAD.

15. THE EXISTING PTZ CAMERA EXTENSION POLE ON THE NORTHWEST MAST ARM THAT IS REMAINING SHALL BE REMOVED AS PART OF THE PTZ CAMERA RELOCATION TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

16. THE LEFT TURN SECTIONS OF THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED UPON THE COMPLETION OF S.O.C. STAGE II.

17. THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED UNTIL THE BEGINNING OF S.O.C. STAGE III.

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

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE RELOCATED TO THE PROPOSED SIGNAL. THE CONTRACTOR SHALL SAFELY STORE ALL EQUIPMENT TO BE RELOCATED TO THE PROPOSED SIGNAL AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

1	EACH	SIGNAL POST

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE LAKE ZURICH RURAL FIRE PROTECTION DISTRICT. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE COUNTY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

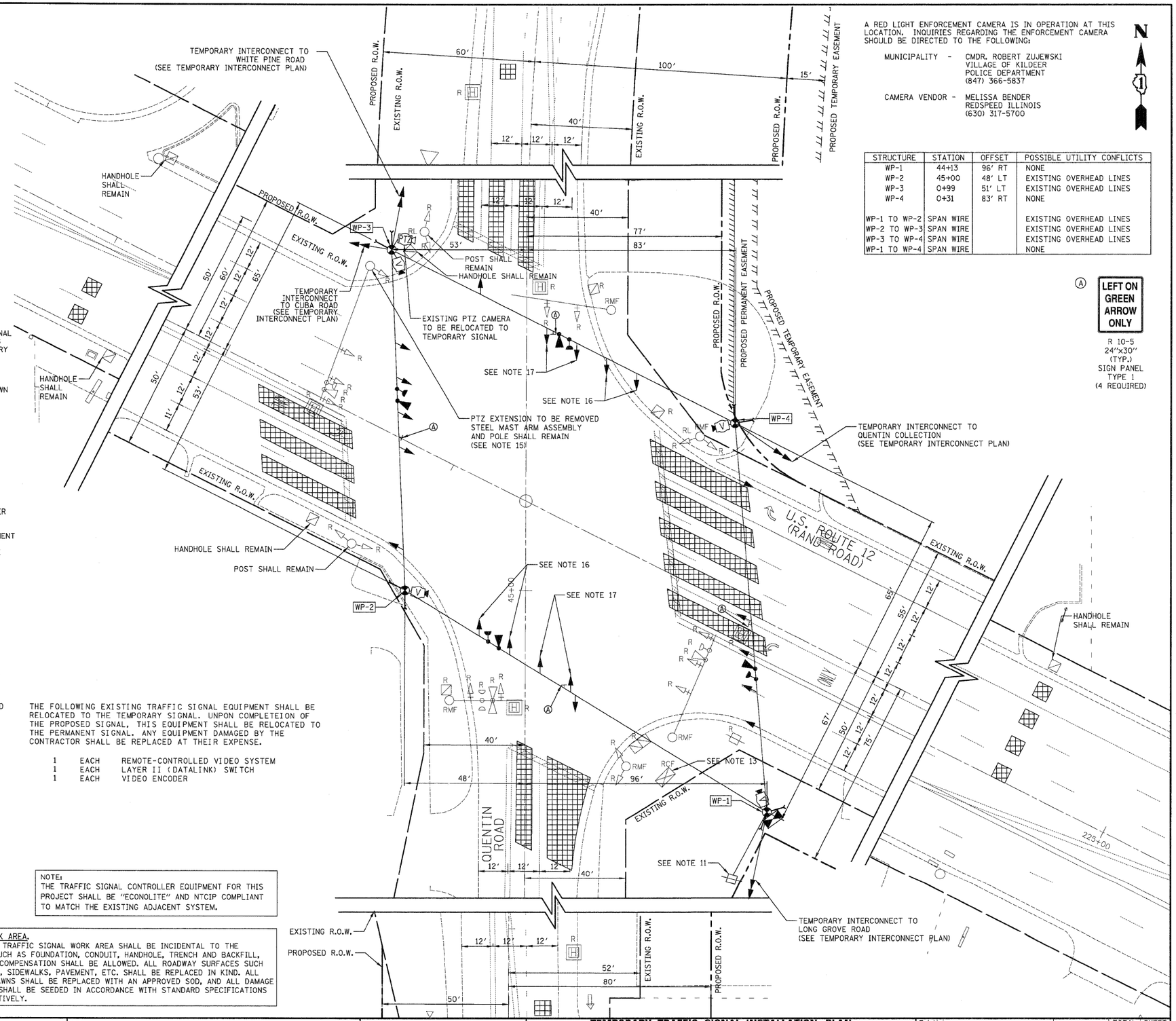
3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE RELOCATED TO THE TEMPORARY SIGNAL. UNPON COMPLETEION OF THE PROPOSED SIGNAL, THIS EQUIPMENT SHALL BE RELOCATED TO THE PERMANENT SIGNAL. ANY EQUIPMENT DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THEIR EXPENSE.

1	EACH	REMOTE-CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	VIDEO ENCODER

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" AND NTCIP COMPLIANT TO MATCH THE EXISTING ADJACENT SYSTEM.

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



A RED LIGHT ENFORCEMENT CAMERA IS IN OPERATION AT THIS LOCATION. INQUIRIES REGARDING THE ENFORCEMENT CAMERA SHOULD BE DIRECTED TO THE FOLLOWING:

MUNICIPALITY - CMDR. ROBERT ZUJEWSKI
VILLAGE OF KILDEER
POLICE DEPARTMENT
(847) 366-5837

CAMERA VENDOR - MELISSA BENDER
REDSPEED ILLINOIS
(630) 317-5700

STRUCTURE	STATION	OFFSET	POSSIBLE UTILITY CONFLICTS
WP-1	44+13	96' RT	NONE
WP-2	45+00	48' LT	EXISTING OVERHEAD LINES
WP-3	0+99	51' LT	EXISTING OVERHEAD LINES
WP-4	0+31	83' RT	NONE
WP-1 TO WP-2	SPAN WIRE		EXISTING OVERHEAD LINES
WP-2 TO WP-3	SPAN WIRE		EXISTING OVERHEAD LINES
WP-3 TO WP-4	SPAN WIRE		EXISTING OVERHEAD LINES
WP-1 TO WP-4	SPAN WIRE		NONE

LEFT ON GREEN ARROW ONLY
R 10-5
24"x30"
(TYP.)
SIGN PANEL TYPE 1
(4 REQUIRED)

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

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

CIVILTECH
450 E Devon Ave, Suite 300
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - BRD	REVISED -	
DRAWN - BRD	REVISED -	
CHECKED - JJE	REVISED -	
DATE - 10/24/2011	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORIZ.0 20 40

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVAL PLAN
U.S. ROUTE 12 (RAND RD.) AT QUENTIN ROAD
SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	97
		CONTRACT NO. 63649		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		