

**EXISTING EQUIPMENT TO BE REMOVED LEGEND**

- EXISTING SIGNAL HEAD TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING STREET LIGHT, FOUNDATION AND LUMINAIRE TO REMAIN
- EXISTING CONTROLLER TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSH BUTTON TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON TO BE REMOVED
- EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING TELEPHONE SERVICE TO BE REMOVED

**TEMPORARY TRAFFIC SIGNAL LEGEND**

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR
- MICROWAVE VEHICLE SENSOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- EXISTING RAILROAD HUT
- COMMON TRENCH
- UNIT DUCT
- G.S. CONDUIT IN TRENCH OR PUSHED HANDHOLE
- HEAVY-DUTY HANDHOLE
- ILLUMINATED SIGN
- TEMPORARY TELEPHONE CONNECTION

- DO NOT STOP ON TRACKS R8-8 24" X 30"
- STOP HERE ON RED R10-6 24" X 36"
- NO TURN ON RED R10-11a 24" X 30"

THE HANDHOLE AND DOUBLE HANDHOLE SCHEDULED FOR INSTALLATION AS PART OF THE TEMPORARY SIGNAL AND TO BE REUSED AS PART OF THE MODERNIZED SIGNAL MUST HAVE CONDUIT STUBS INSTALLED AS PART OF THE TEMPORARY CONSTRUCTION TO TIE INTO THE CONDUIT SYSTEM BEING INSTALLED AS PART OF THE MODERNIZED TRAFFIC SIGNAL.

- BOTTOM OF BRACKET MOUNT HEAD SHALL BE 8' ABOVE GROUND
- R8-8 SIGN
- R10-6 SIGN
- R10-11a SIGN

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

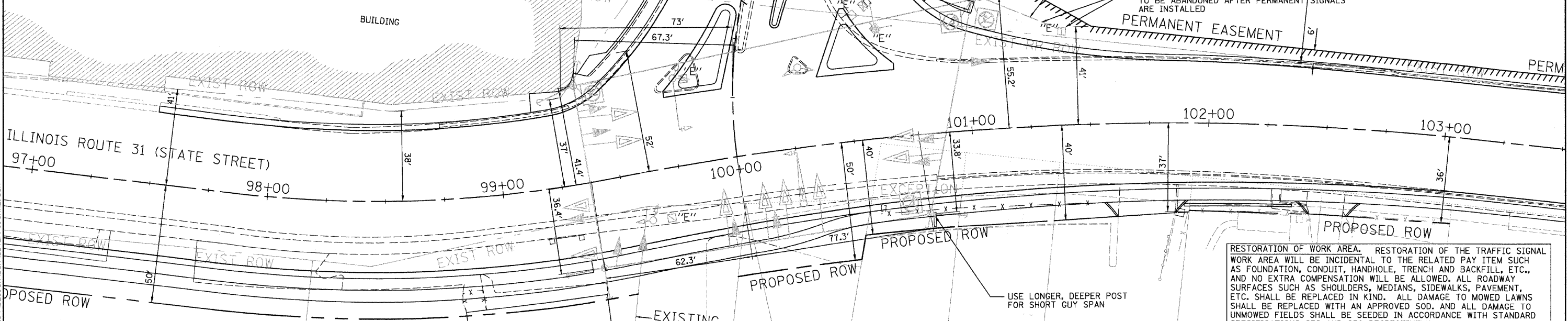
1.0 EACH CONTROLLER AND CABINET, COMPLETE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE CITY OF ELGIN AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY'S DEPARTMENT OF PUBLIC WORKS AS PER THE TRAFFIC SIGNAL SPECIFICATIONS. SEE NOTE AT BOTTOM OF SHEET.

4 EACH SIGNAL HEAD, LED, BRACKET MOUNTED  
1 EACH SIGNAL HEAD, LED, MAST-ARM MOUNTED

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, BRACKET MOUNTED  
1 EACH SIGNAL HEAD, MAST-ARM MOUNTED  
2 EACH ALUMINUM MAST ARM AND POLE  
2 EACH SIGNAL POST  
1 EACH SERVICE INSTALLATION



ALL EQUIPMENT TO BE RETURNED TO THE CITY SHALL BE DELIVERED BY THE CONTRACTOR TO THE DEPARTMENT OF PUBLIC WORKS, 1900 HOLMES ROAD, ELGIN. THE CONTRACTOR SHALL CONTACT THE MR. BILL POTTS, TRAFFIC DIVISION CREW LEADER AT 847-931-5987 AT LEAST ONE BUSINESS DAY IN ADVANCE OF DELIVERING THE EQUIPMENT. NO EQUIPMENT WILL BE ACCEPTED WITHOUT A PRIOR APPOINTMENT. ALL EQUIPMENT SHALL BE DELIVERED WITHIN 7 DAYS OF REMOVING IT FROM THE TRAFFIC SIGNAL INSTALLATION. THE CONTRACTOR SHALL PROVIDE FIVE (5) COPIES OF A LIST OF EQUIPMENT THAT IS TO REMAIN THE PROPERTY OF THE CITY, INCLUDING MODEL AND SERIAL NUMBERS, WHERE APPLICABLE. HE SHALL ALSO PROVIDE A COPY OF THE CONTRACT PLAN OR SPECIAL PROVISION SHOWING THE QUANTITIES AND TYPE OF EQUIPMENT. CONTROLLERS AND PERIPHERAL EQUIPMENT FROM THE SAME LOCATION SHALL BE BOXED TOGETHER (EQUIPMENT FROM DIFFERENT LOCATIONS MAY NOT BE MIXED), AND ALL BOXES AND CONTROLLER CABINETS SHALL BE CLEARLY MARKED OR LABELED WITH THE LOCATION FROM WHICH THEY WERE REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF THE TRAFFIC SIGNAL EQUIPMENT FROM THE TIME HE TAKES MAINTENANCE OF THE SIGNAL INSTALLATION UNTIL THE ACCEPTANCE OF A RECEIPT DRAWN BY THE CITY'S DEPARTMENT OF PUBLIC WORKS INDICATING THE ITEMS HAVE BEEN RETURNED IN GOOD CONDITION.

- NOTES FOR TEMPORARY TRAFFIC SIGNALS**
- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
  - ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TSI OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
  - ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
  - ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
  - ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
  - THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL. AT THE TIME OF THE TURN ON IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

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

**RHA&A**  
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 31 AND WING STREET

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

SCALE: VERT.  
HORIZ. 1"=20'

DATE: FEBRUARY 13, 2008

DRAWN BY: CMC  
DESIGN BY: CMC  
CHECKED BY: JS

2/11/2008 H:\ELGIN\12981\4\DESIGN\GN\30TEMP SIGNAL.DGN