

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1463	1010.1B	COOK	171	51
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 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.

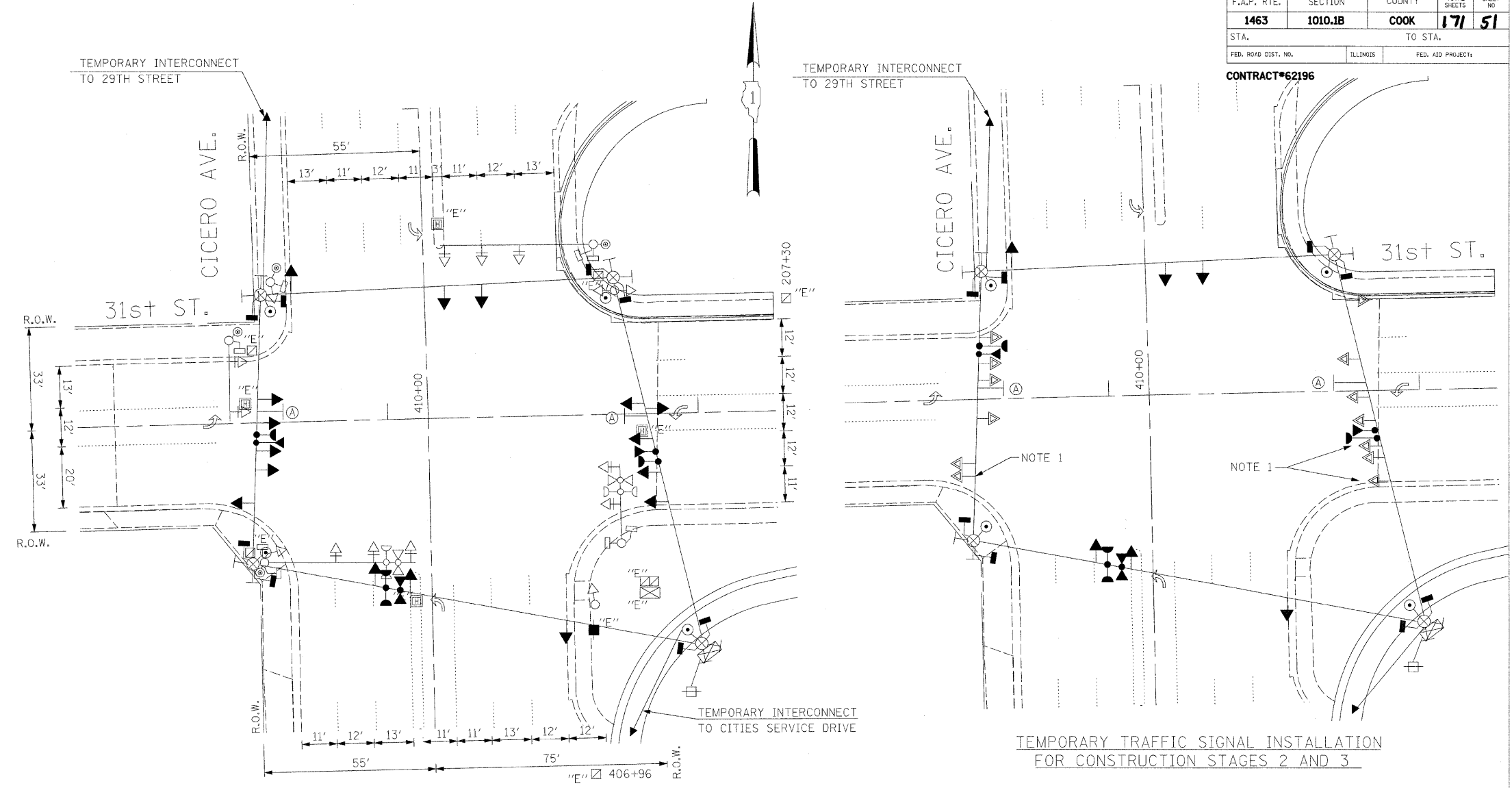
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 1 EACH CONTROLLER AND CABINET COMPLETE

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'S BID PRICE.

- 5 EACH SIGNAL HEAD, 1-FACE 3-SECTION, MAST ARM MOUNTED
- 3 EACH SIGNAL HEAD, 1-FACE 5-SECTION, BRACKET MOUNTED
- 5 EACH SIGNAL HEAD, 1-FACE 5-SECTION, MAST ARM MOUNTED
- 1 EACH SIGNAL HEAD, 2-FACE 5-SECTION, BRACKET MOUNTED
- 10 EACH TRAFFIC SIGNAL BACK PLATE
- 3 EACH SIGNAL POST
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 2 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 3 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 5 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION

THE CONTRACTOR SHALL REMOVE THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNITS, INCLUDING THE CONFIRMATION BEACONS, AND THE PHASING UNIT FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION, STORE IT IN A SAFE MANNER, AND INSTALL THEM ON THE NEW TRAFFIC SIGNAL INSTALLATION AS SHOWN IN THE PLAN AND AS DIRECTED BY THE ENGINEER.



**TEMPORARY TRAFFIC SIGNAL INSTALLATION FOR EXISTING CONDITIONS AND CONSTRUCTION STAGE 1:**

**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
- ⊠ MICROWAVE VEHICLE SENSOR
- ⊠ PEDESTRIAN PUSHBUTTON DETECTOR
- ⊠ EMERGENCY VEHICLE LIGHT DETECTOR
- ⊠ CONFIRMATION BEACON
- ⊠ VEHICLE DETECTOR, INDUCTION LOOP
- CT COMMON TRENCH
- UD UNIT DUCT
- G.S. CONDUIT IN GROUND
- ⊠ HANDHOLE
- ⊠ HEAVY DUTY HANDHOLE
- ⊠ LEFT ON GREEN ARROW ONLY (R10-5) SIGN

**EXISTING EQUIPMENT TO BE REMOVED LEGEND**

- ← EXISTING SIGNAL TO BE REMOVED
- ⊠ "E" EXISTING SERVICE INSTALLATION TO BE REMOVED
- ⊠ EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- ⊠ EXISTING MAST ARM POLE AND FOUNDATION TO BE REMOVED
- ⊠ "E" EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- ⊠ "E" EXISTING HANDHOLE TO BE REMOVED
- ⊠ "E" EXISTING DOUBLE HANDHOLE TO BE REMOVED
- ⊠ PEDESTRIAN SIGNAL TO BE REMOVED
- ⊠ EXISTING PEDESTRIAN PUSH-BUTTON TO BE REMOVED
- ⊠ EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- ⊠ CONFIRMATION BEACON TO BE REMOVED
- ⊠ "E" EXISTING HEAVY DUTY HANDHOLE TO BE REMOVED
- ⊠ EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

⊠ LEFT ON GREEN ARROW ONLY

R10-5  
24" X 30"

**TEMPORARY TRAFFIC SIGNAL INSTALLATION FOR CONSTRUCTION STAGES 2 AND 3**

NOTE 1: SIGNAL HEADS WITH CIRCULAR RED, YELLOW, AND GREEN INDICATIONS FOR EASTBOUND THRU TRAFFIC SHALL BE RELOCATED TO LOCATIONS SHOWN HERE FOR CONSTRUCTION STAGE 3. THE SIGNAL HEAD PLACEMENT FOR WESTBOUND DIRECTION OF TRAFFIC IS SAME IN CONSTRUCTION STAGES 2 AND 3 AND ARE SHOWN AS SECONDARY LOCATIONS.

THE SIGNAL HEAD PLACEMENT FOR NORTHBOUND AND SOUTHBOUND DIRECTIONS REMAINS THE SAME FOR ALL CONSTRUCTION STAGES.

NOTE 2: REMOVE EXISTING FIBER CABLE 62.5/125 MM 12F FROM EXISTING CONDUIT TO HANDHOLE, SPLICE SUFFICIENT 62.5/125 MM 12F FIBER OPTIC CABLE TO EXISTING FIBER OPTIC CABLE AND INSTALL CABLE TO WOOD POLE AND AERIAL CABLE TO CONTROLLER CABINET.

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

8/29/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION  
31ST STREET AT  
ILLINOIS ROUTE 50 (CICERO AVENUE)

REVISIONS	
NAME	DATE

SCALE: 1"=20'  
DATE: 08/01/2008

DRAWN BY: BB, MAE  
DESIGNED BY: PKG  
CHECKED BY: PKG/RMM

**GA** GANDHI AND ASSOCIATES, INC.  
ENGINEERS AND PLANNERS  
6035 N. NORTHWEST HIGHWAY  
SUITE 306  
CHICAGO, ILLINOIS 60631 TEL: (773) 774-5910