

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" (300mm). 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. THE SIGNS SHALL BE RELOCATED TO THE PERMANENT SIGNALS WHEN THE NEW SIGNALS ARE TURNED ON.
- 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.

TEMPORARY TRAFFIC SIGNAL LEGEND

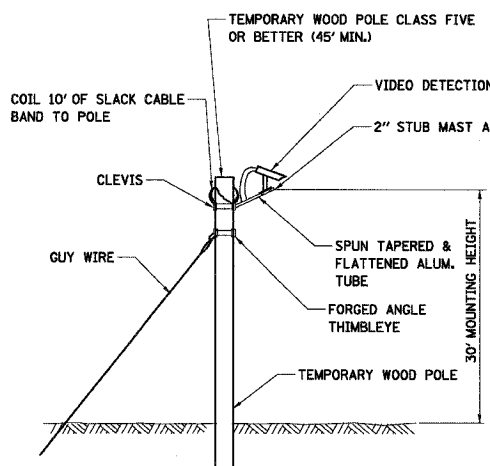
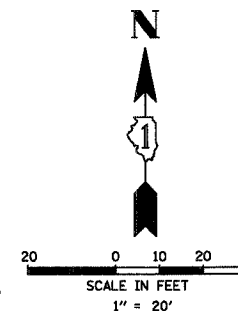
- ← TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- ← TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- ⊙ TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM
- ⊠ TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- ⊕ TEMPORARY SERVICE INSTALLATION
- ⊖ TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- ⊙ VIDEO DETECTION CAMERA
- ⊙ PEDESTRIAN PUSHBUTTON DETECTOR
- ⊙ EMERGENCY VEHICLE LIGHT DETECTOR
- ⊙ CONFIRMATION BEACON
- ⊙ VEHICLE DETECTOR, INDUCTION LOOP
- UD UNIT DUCT
- CT COMMON TRENCH
- G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)
- ⊙ HANDHOLE
- ⊙ HEAVY DUTY HANDHOLE
- "R" RELOCATED
- "A" ABANDONED

CONSTRUCTION NOTES:

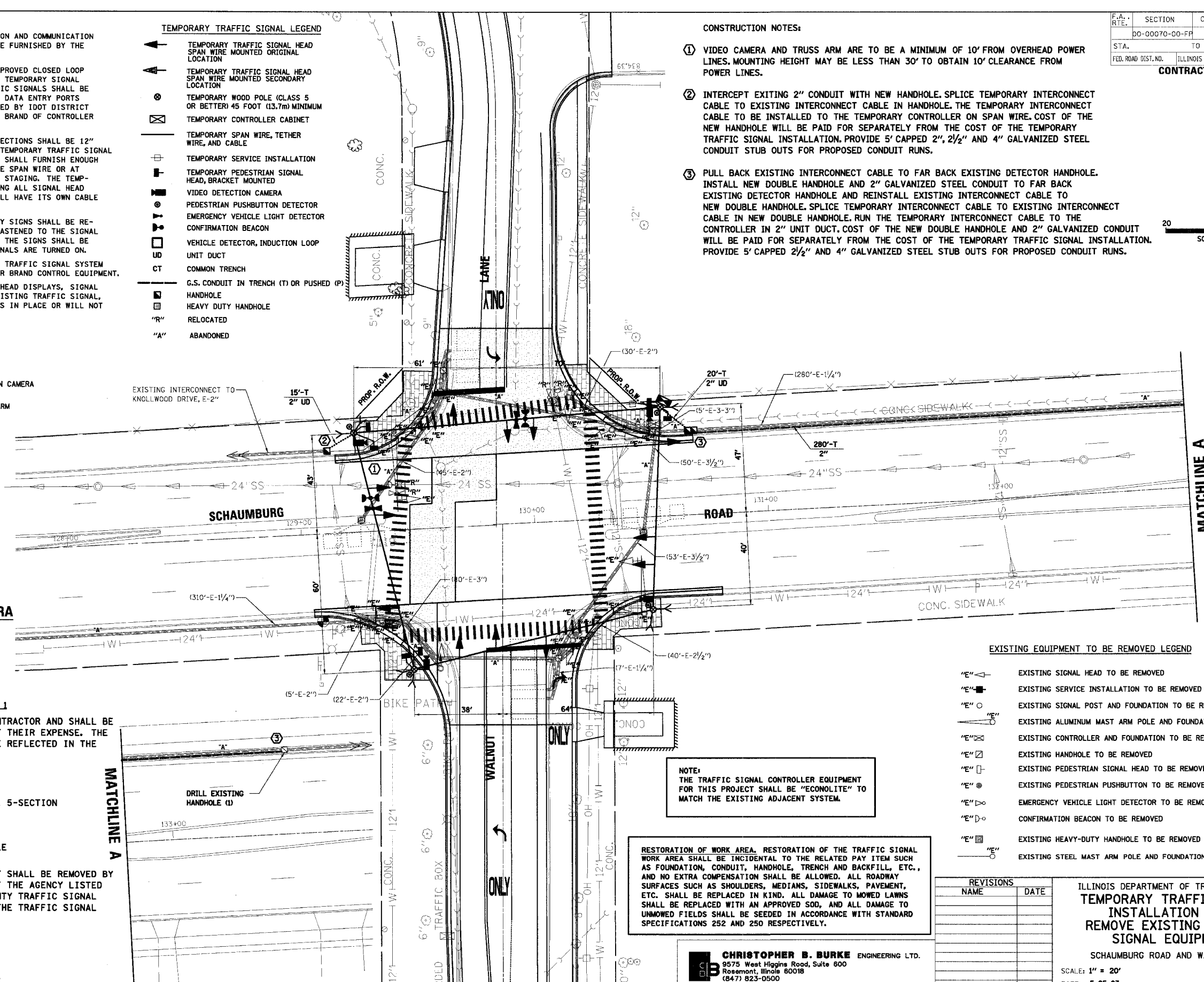
- VIDEO CAMERA AND TRUSS ARM ARE TO BE A MINIMUM OF 10' FROM OVERHEAD POWER LINES. MOUNTING HEIGHT MAY BE LESS THAN 30' TO OBTAIN 10' CLEARANCE FROM POWER LINES.
- INTERCEPT EXISTING 2" CONDUIT WITH NEW HANDHOLE. SPLICE TEMPORARY INTERCONNECT CABLE TO EXISTING INTERCONNECT CABLE IN HANDHOLE. THE TEMPORARY INTERCONNECT CABLE TO BE INSTALLED TO THE TEMPORARY CONTROLLER ON SPAN WIRE. COST OF THE NEW HANDHOLE WILL BE PAID FOR SEPARATELY FROM THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. PROVIDE 5' CAPPED 2", 2 1/2" AND 4" GALVANIZED STEEL CONDUIT STUB OUTS FOR PROPOSED CONDUIT RUNS.
- PULL BACK EXISTING INTERCONNECT CABLE TO FAR BACK EXISTING DETECTOR HANDHOLE. INSTALL NEW DOUBLE HANDHOLE AND 2" GALVANIZED STEEL CONDUIT TO FAR BACK EXISTING DETECTOR HANDHOLE AND REINSTALL EXISTING INTERCONNECT CABLE TO NEW DOUBLE HANDHOLE. SPLICE TEMPORARY INTERCONNECT CABLE TO EXISTING INTERCONNECT CABLE IN NEW DOUBLE HANDHOLE. RUN THE TEMPORARY INTERCONNECT CABLE TO THE CONTROLLER IN 2" UNIT DUCT. COST OF THE NEW DOUBLE HANDHOLE AND 2" GALVANIZED CONDUIT WILL BE PAID FOR SEPARATELY FROM THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. PROVIDE 5' CAPPED 2 1/2" AND 4" GALVANIZED STEEL STUB OUTS FOR PROPOSED CONDUIT RUNS.

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DO-00070-00-FP	COOK	98	39
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT No. 83799



TEMPORARY VIDEO DETECTION CAMERA MOUNTING DETAIL NOT TO SCALE



- REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT. EACH 1**
- 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
 - 2 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
 - 2 EACH SIGNAL HEAD, 2-FACE, 3-SECTION
 - 2 EACH SIGNAL HEAD, 2-FACE, 1 3-SECTION, 1 5-SECTION
 - 2 EACH SIGNAL POST - 13'
 - 1 EACH SIGNAL POST - 16'
 - 1 EACH SIGNAL POST - 18'
 - 2 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE
 - 4 EACH PEDESTRIAN PUSHBUTTON

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 DELIVER TO THE COUNTY TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- AGENCY: COOK COUNTY HIGHWAY DEPARTMENT
- 1 EACH CONTROLLER CABINET (COMPLETE)
 - 4 EACH LED PEDESTRIAN SIGNAL HEAD, 2-FACE

- EXISTING EQUIPMENT TO BE REMOVED LEGEND**
- "E" ⊙ EXISTING SIGNAL HEAD TO BE REMOVED
 - "E" ⊕ EXISTING SERVICE INSTALLATION TO BE REMOVED
 - "E" ⊙ EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
 - "E" ⊙ EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
 - "E" ⊠ EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
 - "E" ⊠ EXISTING HANDHOLE TO BE REMOVED
 - "E" ⊖ EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
 - "E" ⊙ EXISTING PEDESTRIAN PUSHBUTTON TO BE REMOVED
 - "E" ⊙ EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
 - "E" ⊙ CONFIRMATION BEACON TO BE REMOVED
 - "E" ⊙ EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
 - "E" ⊙ EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
 SCHAUMBURG ROAD AND WALNUT LANE
 SCALE: 1" = 20'
 DATE: 5-05-03
 DRAWN BY: FCP
 DESIGNED BY: SJP
 CHECKED BY: GMZ

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 823-0500