

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 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.

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

◀ DENOTES RELOCATED TEMPORARY SIGNAL HEAD FROM PREVIOUS STAGE

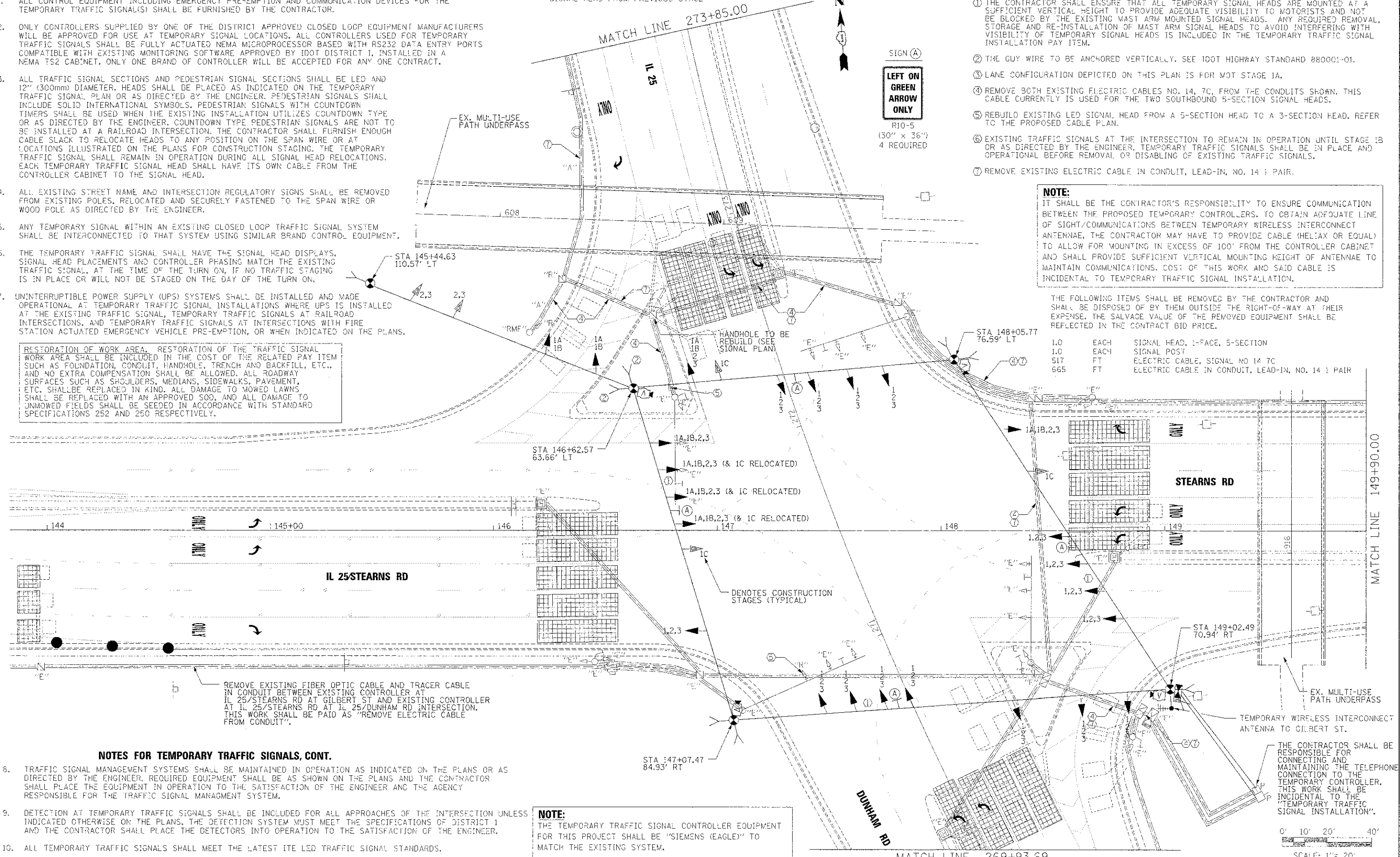
CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL ENSURE THAT ALL TEMPORARY SIGNAL HEADS ARE MOUNTED AT A SUFFICIENT VERTICAL HEIGHT TO PROVIDE ADEQUATE VISIBILITY TO MOTORISTS AND NOT BE BLOCKED BY THE EXISTING MAST ARM MOUNTED SIGNAL HEADS. ANY REQUIRED REMOVAL, STORAGE AND RE-INSTALLATION OF MAST ARM SIGNAL HEADS TO AVOID INTERFERING WITH VISIBILITY OF TEMPORARY SIGNAL HEADS IS INCLUDED IN THE TEMPORARY TRAFFIC SIGNAL INSTALLATION PAY ITEM.
2. THE GUY WIRE TO BE ANCHORED VERTICALLY. SEE IDOT HIGHWAY STANDARD 880001-01.
3. LANE CONFIGURATION DEPICTED ON THIS PLAN IS FOR MOT STAGE 1A.
4. REMOVE BOTH EXISTING ELECTRIC CABLES NO. 14, 7C, FROM THE CONDUITS SHOWN. THIS CABLE CURRENTLY IS USED FOR THE TWO SOUTHBOUND 5-SECTION SIGNAL HEADS.
5. REBUILD EXISTING LED SIGNAL HEAD FROM A 5-SECTION HEAD TO A 3-SECTION HEAD. REFER TO THE PROPOSED CABLE PLAN.
6. EXISTING TRAFFIC SIGNALS AT THE INTERSECTION TO REMAIN IN OPERATION UNTIL STAGE 1B OR AS DIRECTED BY THE ENGINEER. TEMPORARY TRAFFIC SIGNALS SHALL BE IN PLACE AND OPERATIONAL BEFORE REMOVAL OR DISABLING OF EXISTING TRAFFIC SIGNALS.
7. REMOVE EXISTING ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR.

NOTE:
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE COMMUNICATION BETWEEN THE PROPOSED TEMPORARY CONTROLLERS. TO OBTAIN ADEQUATE LINE OF SIGHT/COMMUNICATIONS BETWEEN TEMPORARY WIRELESS INTERCONNECT ANTENNAE, THE CONTRACTOR MAY HAVE TO PROVIDE CABLE (HELIX OR EQUAL) TO ALLOW FOR MOUNTING IN EXCESS OF 100' FROM THE CONTROLLER CABINET AND SHALL PROVIDE SUFFICIENT VERTICAL MOUNTING HEIGHT OF ANTENNAE TO MAINTAIN COMMUNICATIONS. COST OF THIS WORK AND SAID CABLE IS INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION.

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.

1.0	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION
1.0	EACH	SIGNAL POST
517	FT	ELECTRIC CABLE, SIGNAL NO 14 7C
665	FT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR



NOTES FOR TEMPORARY TRAFFIC SIGNALS, CONT.

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. ALL TEMPORARY TRAFFIC SIGNALS SHALL MEET THE LATEST ITE LED TRAFFIC SIGNAL STANDARDS.

NOTE:
THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "SIEMENS (EAGLE)" TO MATCH THE EXISTING SYSTEM.

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**STATE OF ILLINOIS
DIVISION OF TRANSPORTATION**

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN, IL 25/STEARNS RD AT IL 25/DUNHAM RD, ALL STAGES - SHEET 1 OF 2

SCALE: 1"=20' SHEET NO. 34 OF 49 SHEETS STA. TO STA.

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-18-RP	KANE	451	245
				CONTRACT NO. 63598
ILLINOIS FED. AID PROJECT				

