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 INSTALLATION 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 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.

CONSTRUCTION NOTES:

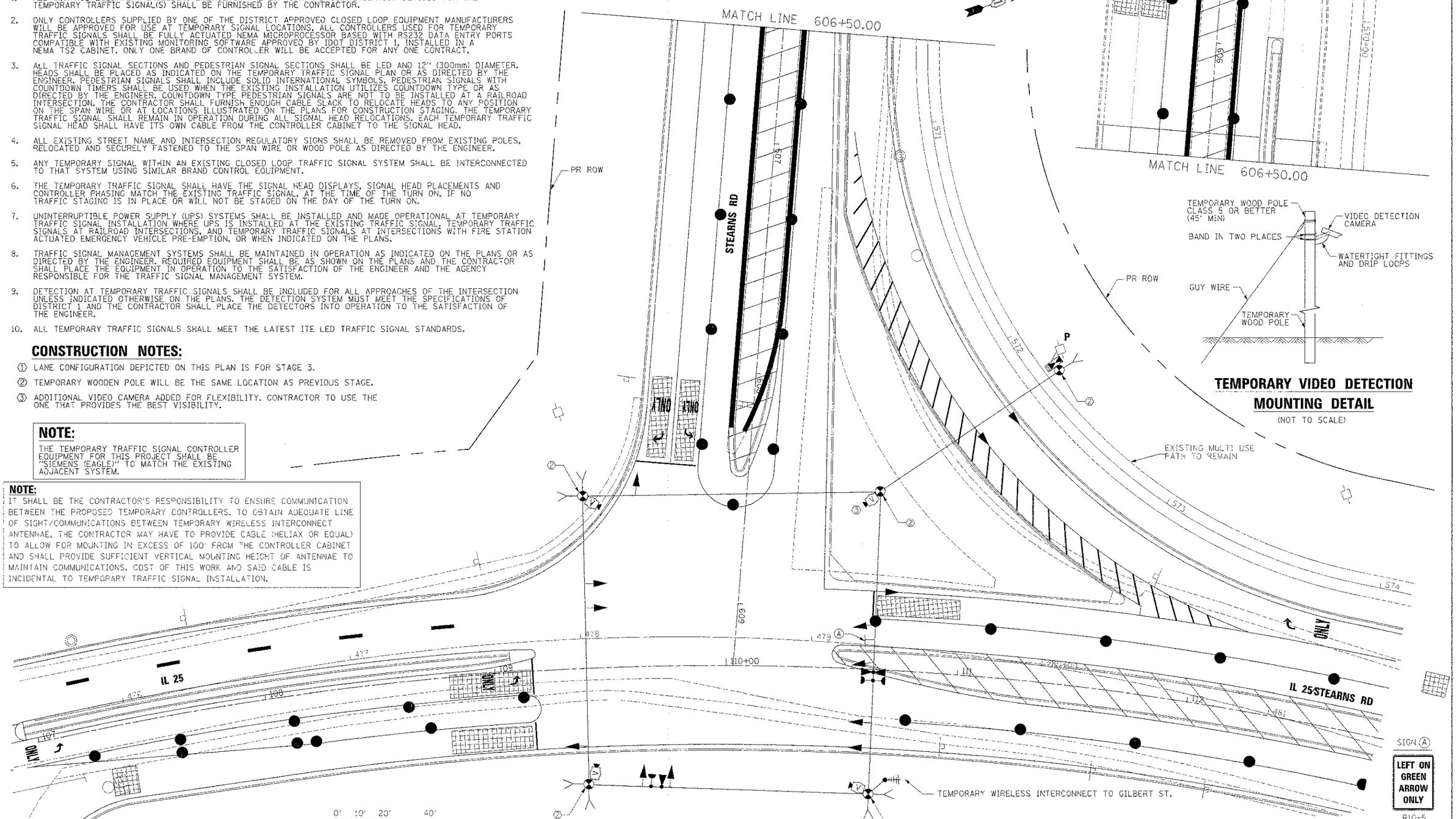
① LANE CONFIGURATION DEPICTED ON THIS PLAN IS FOR STAGE 3.

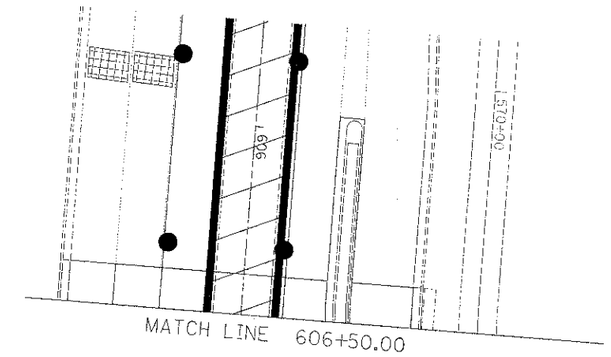
② TEMPORARY WOODEN POLE WILL BE THE SAME LOCATION AS PREVIOUS STAGE.

③ ADDITIONAL VIDEO CAMERA ADDED FOR FLEXIBILITY. CONTRACTOR TO USE THE ONE THAT PROVIDES THE BEST VISIBILITY.

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

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 (HELIAX 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.





TEMPORARY VIDEO DETECTION MOUNTING DETAIL
(NOT TO SCALE)

SIGN (A)
LEFT ON GREEN ARROW ONLY
R10-5
(30" x 36")
1 REQUIRED
INSTALLED IN STAGE 1A-1

TEMPORARY TRAFFIC SIGNAL PLAN
MAINTENANCE OF TRAFFIC STAGE 3 & PREFINAL STAGE

FILE NAME = ...\0163598-sht-IL25-stearns-temp-traffic-installation-plan.dgn	DESIGNED - BC	REVISED -	benesch engineers · scientists · planners
USER NAME = tblank	DRAWN - TMB	REVISED -	STATE OF ILLINOIS DIVISION OF TRANSPORTATION
PLOT DATE = 1/18/2013	CHECKED - MPM	REVISED -	TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN IL 25 /STEARNS RD AT STEARNS RD STAGE 3 & PREFINAL STAGE
	DATE - 01/18/2013	REVISED -	SCALE: 1"=20' SHEET NO. 14 OF 49 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
561	06-00214-18-RP	KANE	451	225
		CONTRACT NO. 63598		
		ILLINOIS FED. AID PROJECT		