

**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.
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. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

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 CONTRACTOR'S BID PRICE.

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|---|------|--|
| 1 | EACH | CONTROLLER AND CABINET COMPLETE                              |
| 3 | EACH | SIGNAL HEAD, 1-FACE 3-SECTION, MAST ARM MOUNTED              |
| 2 | EACH | SIGNAL HEAD, 1-FACE 3-SECTION, BRACKET MOUNTED               |
| 1 | EACH | SIGNAL HEAD, 1-FACE 4-SECTION, BRACKET MOUNTED               |
| 1 | EACH | SIGNAL HEAD, 1-FACE 5-SECTION, MAST ARM MOUNTED              |
| 1 | EACH | SIGNAL HEAD, 2-FACE 1-4 SECTION, 1-5 SECTION BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE                                     |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED              |
| 4 | EACH | TRAFFIC SIGNAL POST  |
| 2 | EACH | STEEL MAST ARM ASSEMBLY AND POLE                             |
| 4 | EACH | PEDESTRIAN PUSH-BUTTON                                       |
| 1 | EACH | SERVICE INSTALLATION   |

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

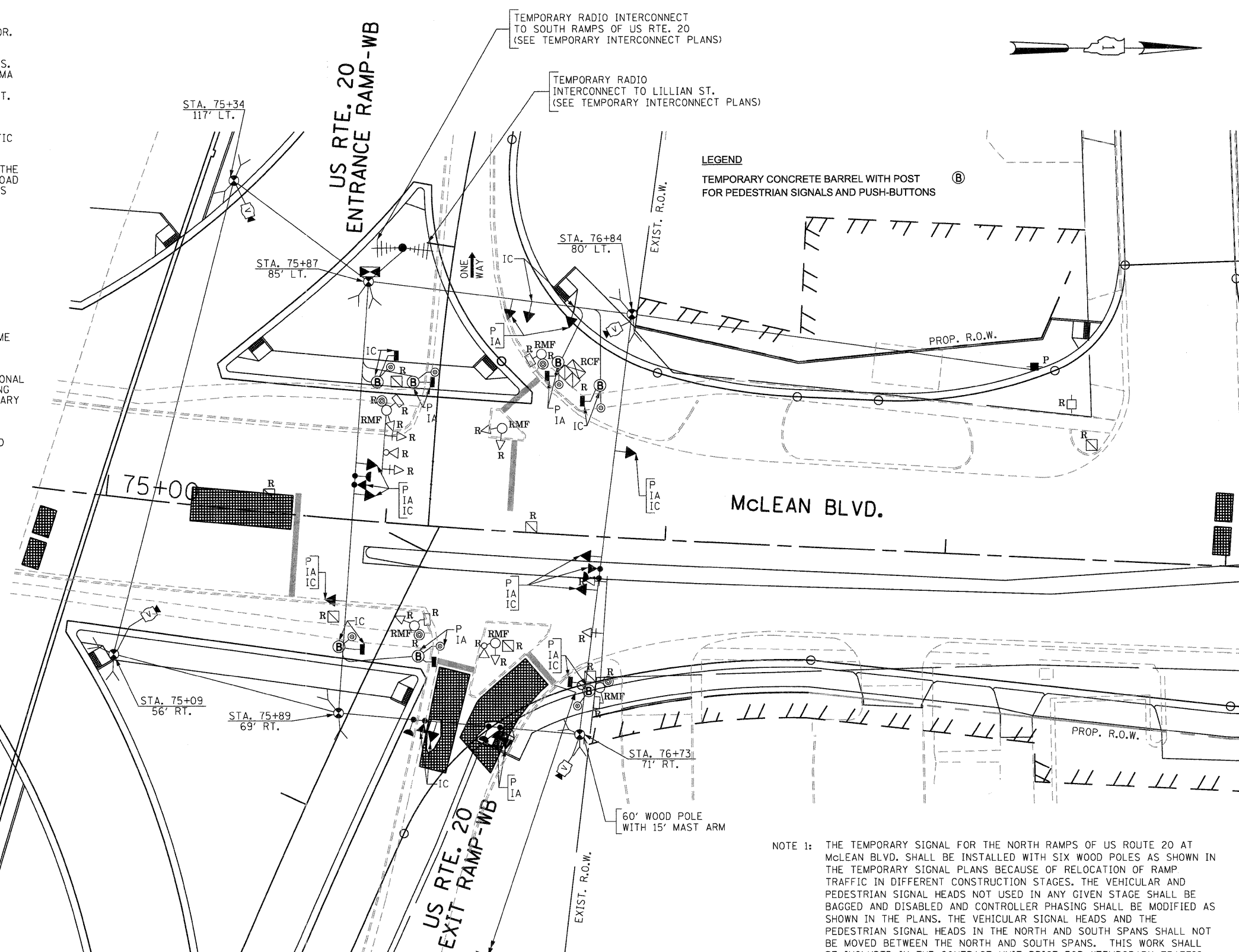
AGENCY: CITY OF ELGIN

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CITY OF ELGIN  
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2 EACH LIGHT DETECTOR

THE TEMPORARY SIGNALS AT ALL THE INTERSECTIONS SHALL BE INSTALLED AS SOON AS ANY WORK ON ANY OF THE US RTE. 20 RAMPS BEGINS WHICH WILL REQUIRE TEMPORARY SIGNAL AT ANY LOCATION. THIS WILL BE NECESSARY TO PROVIDE THE WIRELESS INTERCONNECT SYSTEM FOR THIS PROJECT.

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



- NOTE 1: THE TEMPORARY SIGNAL FOR THE NORTH RAMPS OF US ROUTE 20 AT McLEAN BLVD. SHALL BE INSTALLED WITH SIX WOOD POLES AS SHOWN IN THE TEMPORARY SIGNAL PLANS BECAUSE OF RELOCATION OF RAMP TRAFFIC IN DIFFERENT CONSTRUCTION STAGES. THE VEHICULAR AND PEDESTRIAN SIGNAL HEADS NOT USED IN ANY GIVEN STAGE SHALL BE BAGGED AND DISABLED AND CONTROLLER PHASING SHALL BE MODIFIED AS SHOWN IN THE PLANS. THE VEHICULAR SIGNAL HEADS AND THE PEDESTRIAN SIGNAL HEADS IN THE NORTH AND SOUTH SPANS SHALL NOT BE MOVED BETWEEN THE NORTH AND SOUTH SPANS. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TEMPORARY TRAFFIC SIGNAL INSTALLATION" AND NO SEPARATE COMPENSATION SHALL BE ALLOWED FOR THE SAME.
- NOTE 2: INSTALLATION OF BARREL MOUNTED POSTS FOR PEDESTRIAN SIGNALS AND PUSH-BUTTONS AS NEEDED AND AS SHOWN IN PLANS FOR VARIOUS CONSTRUCTION STAGES. THE BARREL SHOULD BE 6 FEET FROM EDGE OF TRAVELED WAY.
- NOTE 3: THE VIDEO DETECTION ZONES SHOWN ON THE PLANS ARE FOR PRE-CONSTRUCTION STAGE AND SHALL BE REDEFINED FOR EACH CONSTRUCTION STAGE AS A PART OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION" WORK.

FILE NAME =	USER NAME = #USER#	DESIGNED - PKG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN McLEAN BOULEVARD AT NORTH RAMPS OF US RTE. 20 PRE-STAGE, STAGE IA, AND STAGE IC (SHEET 1 OF 7)				F.A.P. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - MAA, EA	REVISED -					SCALE: 1"=20'				345	BR-R	KANE	794	409
		CHECKED - PKG	REVISED -					SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 60H45				
		DATE - 12/16/2011	REVISED -									FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				