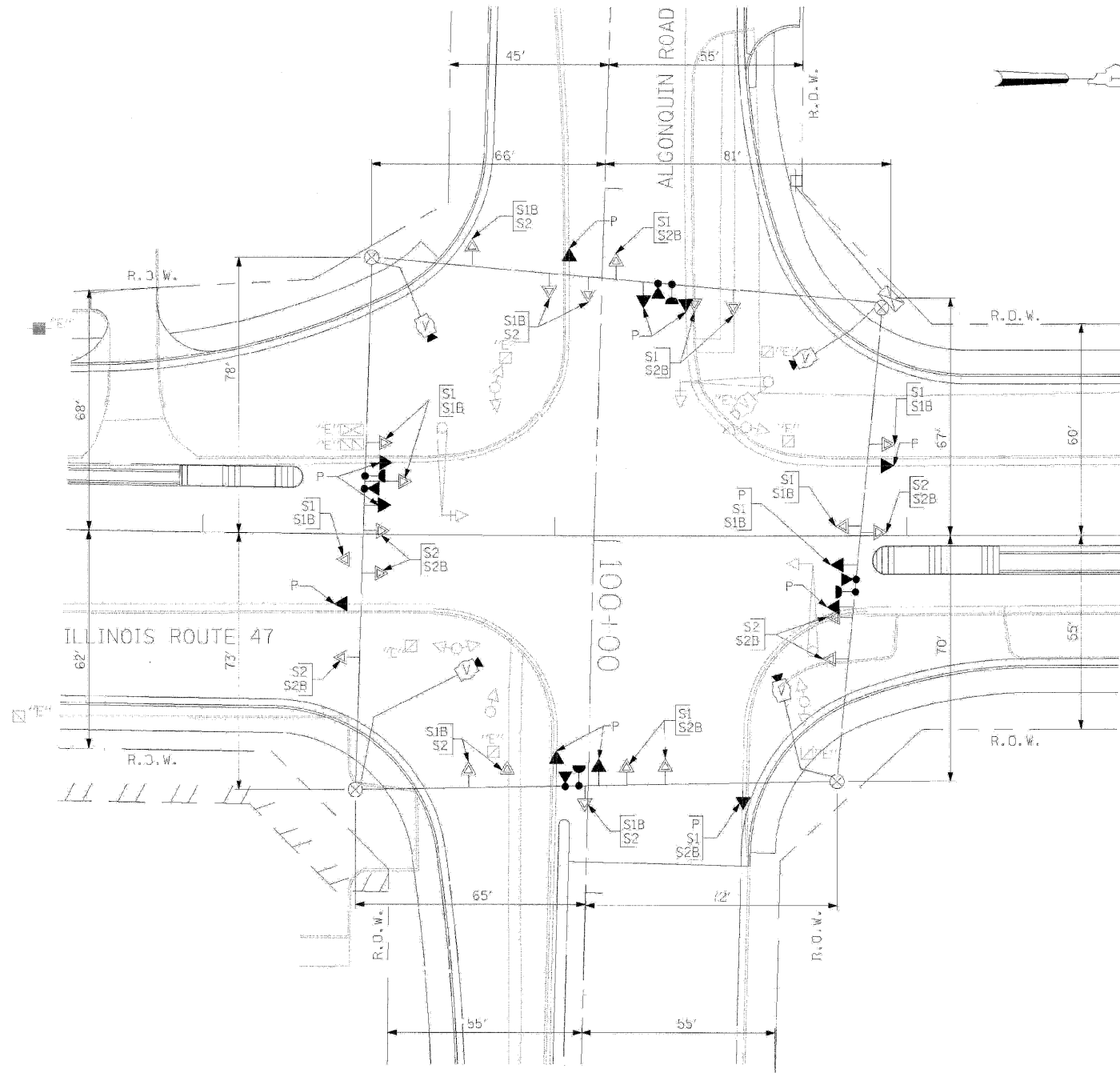


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	*	McHENRY	502	296
STA. 9+35.22		TO STA.142+08.53		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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 ACTLATED 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.
3. 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.
4. 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.
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.



TEMPORARY TRAFFIC SIGNAL PLAN

STAGES: PRE-STAGE, STAGE 1, STAGE 1B, STAGE 2, AND STAGE 2B

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.

- | | | |
|---|------|---|
| 1 | EACH | CONTROLLER AND CABINET COMPLETE |
| 1 | EACH | SIGNAL HEAD, 1-FACE 3-SECTION, BRACKET MOUNTED WITH 12" RED INDICATION |
| 2 | EACH | SIGNAL HEAD, 1-FACE 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION WITH 12" RED INDICATION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" RED INDICATION AND 1-5 SECTION, BRACKET MOUNTED |
| 3 | EACH | TRAFFIC SIGNAL BACK PLATE |
| 5 | EACH | TRAFFIC SIGNAL POST |
| 3 | EACH | ALUMINUM MAST ARM ASSEMBLY AND POLE, 25 FOOT. |
| 1 | EACH | SERVICE INSTALLATION |
| 1 | EACH | VIDEO CAMERA ASSEMBLY |

GO GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6025 N. NORTHWEST CORNWAY
SUITE 206
CHICAGO, ILLINOIS 60631 TEL: (773) 774-5910

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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
- ⊙ PEDESTRIAN PUSHBUTTON DETECTOR
- ⊕ EMERGENCY VEHICLE LIGHT DETECTOR CONFIRMATION BEACON
- CT COMMON TRENCH
- UD UNIT DUCT
- G.S. CONDUIT IN GROUND
- HANDHOLE
- HEAVY DUTY HANDHOLE
- ⊕ VIDEO CAMERA ASSEMBLY

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- ⊕ EXISTING SIGNAL TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- ⊙ EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- ⊕ EXISTING MAST ARM POLE AND FOUNDATION TO BE REMOVED
- ☒ EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- 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
- EXISTING HEAVY DUTY HANDHOLE TO BE REMOVED
- ⊕ EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED
- ⊕ EXISTING VIDEO CAMERA ASSEMBLY TO BE REMOVED

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
ILLINOIS ROUTE 47 AT ALGONQUIN ROAD
PRE STAGE, STAGE 1, STAGE 1B, STAGE 2, AND STAGE 2B
(SHEET 1 OF 4)

REVISIONS	
NAME	DATE

SCALE: 1"=20'
DATE: APRIL 17, 2009

DRAWN BY: MAA
DESIGNED BY: PKG/RRM
CHECKED BY: PKG/RRM