CONTRACT NO. 62336

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	119R-2-B	McHENRY	64	10
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

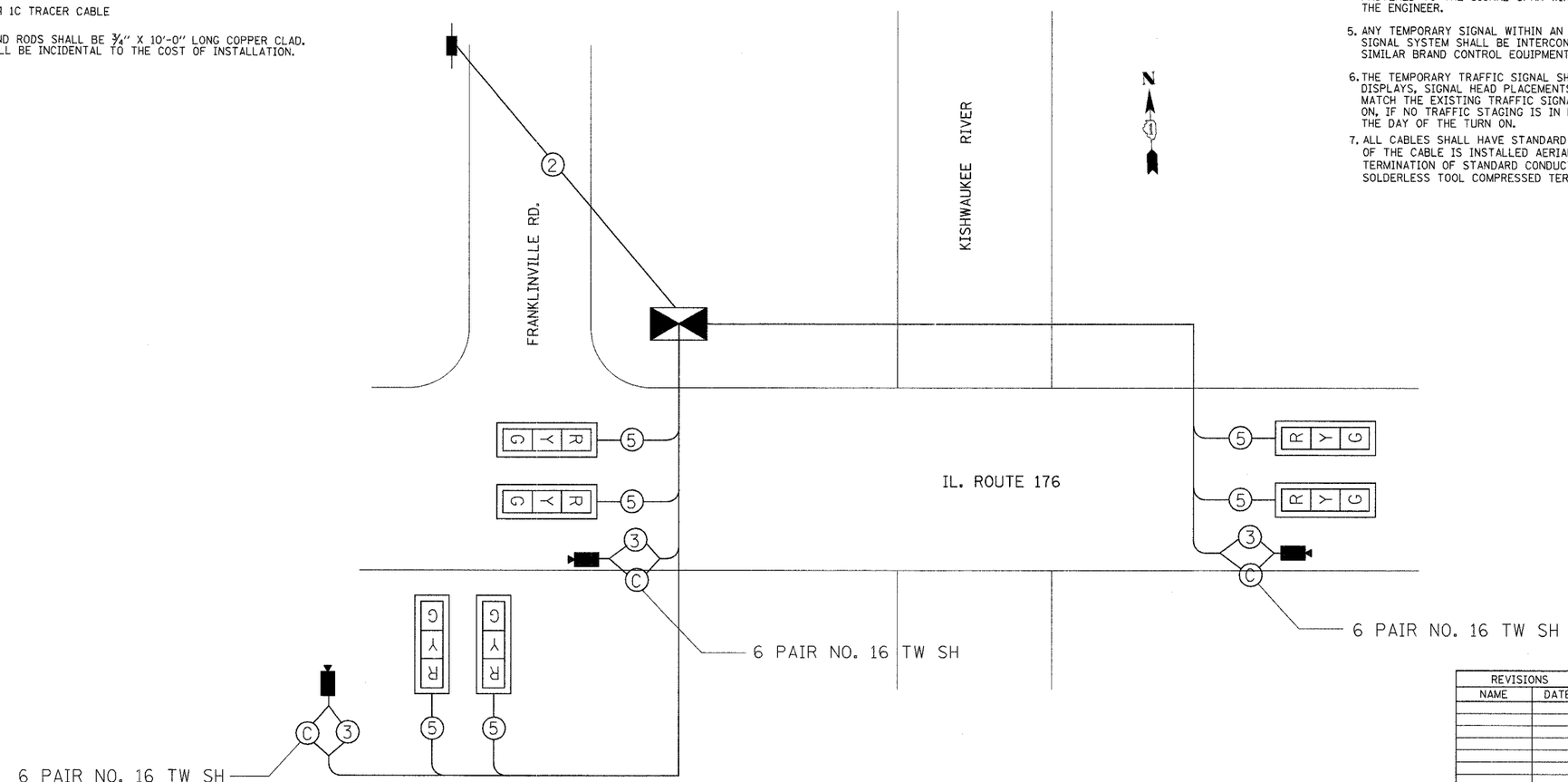
CABLE PLAN LEGEND

- R — TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION
- PROPOSED CONTROLLER CABINET
- PROPOSED SERVICE INSTALLATION
- (5) — INDICATES NUMBER OF CONDUCTORS, IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 A.W.G. WIRE UNLESS OTHERWISE NOTED.
- PEDESTRIAN PUSHBUTTON DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP. "E" DENOTES EXISTING
- VIDEO VEHICLE DETECTOR UNIT
- 12"(300mm) PEDESTRIAN SIGNAL SECTION
- H/C — GROUND ROD AT HANDHOLE OR CONTROLLER
- P — GROUND ROD AT POST OR MAST ARM POLE
- S — GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- E — GROUND ROD EXISTING TO BE REUSED
- -------- GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
- (24) — NO. 62.5/125 MM 12F & SM 12F, FIBER OPTIC CABLE
- (1) — NO. 14 1C TRACER CABLE

NOTE: ALL NEW GROUND RODS SHALL BE 3/4" X 10'-0" LONG COPPER CLAD. THE COST SHALL BE INCIDENTAL TO THE COST OF INSTALLATION.

SEQUENCE OF OPERATIONS

MOVEMENT (N ↑)	↓			→			←			FLASH
PHASE	1			2			3			
INTERVAL	1	2A	2B	3	4A	4B	5	6A	6B	
CHANGED TO		2			1 OR 3			1 OR 2		
FRANKLINVILLE SB	G	Y	R	R	R	R	R	R	R	G
IL176 EB	R	R	R	G	Y	R	R	R	R	R
IL176 WB	R	R	R	R	R	R	G	Y	R	R



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 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.
7. ALL CABLES SHALL HAVE STANDARD CONDUCTORS WHERE ANY PORTION OF THE CABLE IS INSTALLED AERIAL SUSPENDED. ALL WIRING TERMINATION OF STANDARD CONDUCTORS SHALL BE MADE WITH SOLDERLESS TOOL COMPRESSED TERMINALS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 176 OVER THE KISHWAUKEE RIVER

TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM

SCALE: VERT. HORIZ. N.T.S.

DATE: 06-29-07

DRAWN BY: AAK

CHECKED BY: RJS

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
CHICAGO, ILLINOIS

FILE: H:\Jobs2002\20024023-01\CAD\IDOT_Trans\dgn\00\cableplan.dgn
DATE: 08-Oct-07 08:52

..\dgn\00\cableplan.dgn 10/8/2007 8:52:11 AM