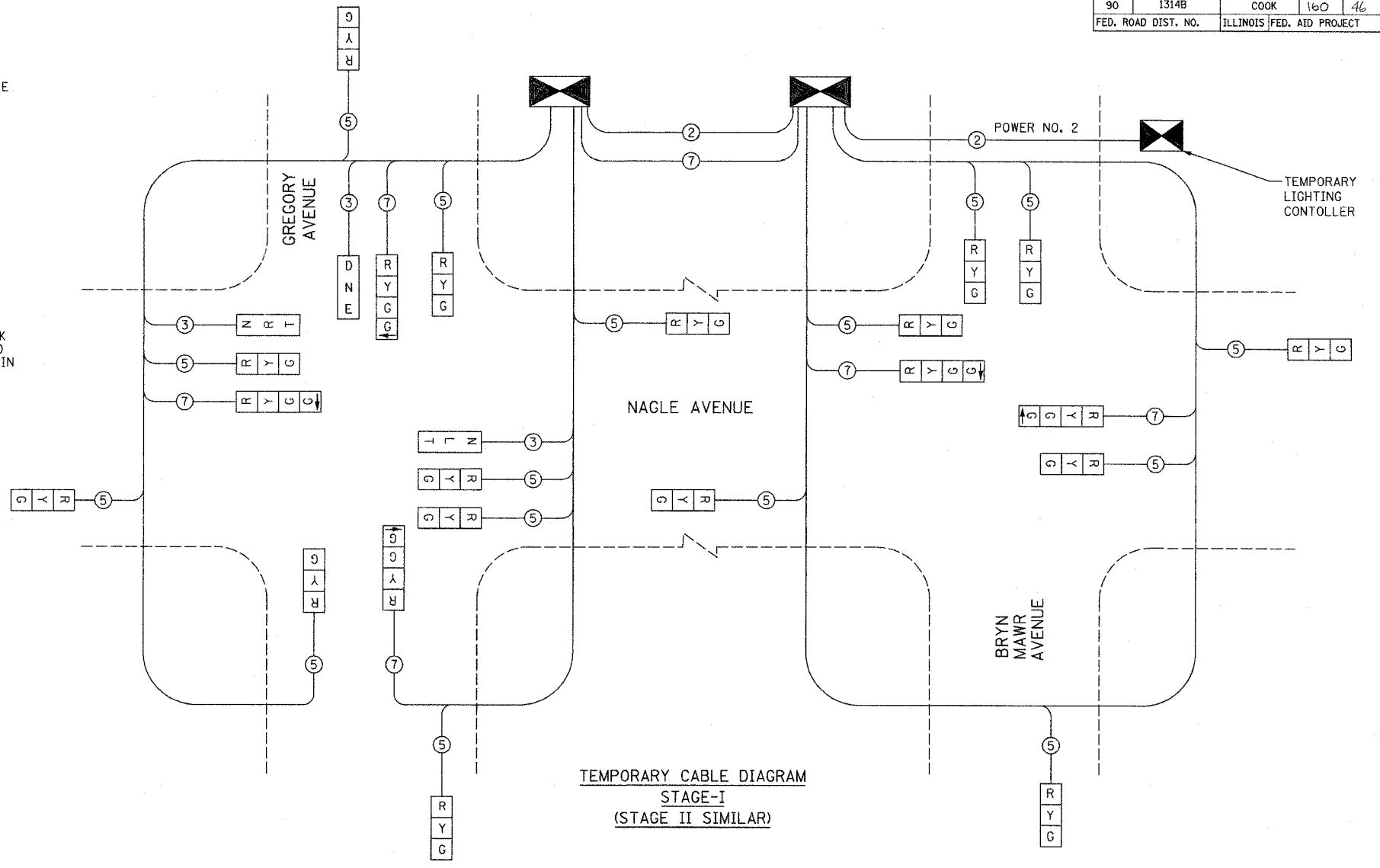


FBI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	1314B	COOK	160	46
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTES:

1. THE CONTROL EQUIPMENT FOR ALL TEMPORARY TRAFFIC SIGNAL(S) SHALL BE PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE STATED IN THE PLANS. FOR PROJECTS WITH MULTIPLE TEMPORARY TRAFFIC SIGNAL INSTALLATIONS, ALL CONTROLLERS SHALL BE OF THE SAME MANUFACTURER, BRAND AND MODEL NUMBER WITH CURRENT SOFTWARE INSTALLED.
2. TRAFFIC SIGNAL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED INSTALLED IN CABINETS WITH 8 PHASE BACK PANELS CAPABLE OF SUPPLYING 255 SECONDS OF CYCLE LENGTH AND INDIVIDUAL PHASE LENGTH SETTING UP TO 99 SECONDS. THE TEMPORARY SIGNAL CONTROLLER SHALL BE CAPABLE OF PROVIDING ADJUSTABLE ALL RED CLEARANCE SETTINGS OF UP TO 30 SECONDS IN LENGTH.
3. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL MEET OR EXCEED THE REQUIREMENTS OF SECTION T632 OF THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS" WITH REGARDS TO INTERNAL TIME BASE COORDINATION AND PREEMPTION.
4. ALL TRAFFIC SIGNAL SECTIONS SHALL BE OF THE 305 mm TYPE. THE TEMPORARY TRAFFIC SIGNAL 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.
5. THE CONTRACTOR SHALL REMOVE THE EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS FROM EXISTING POLES THAT ARE REQUIRED TO BE REMOVED OR RELOCATED DUE TO CONSTRUCTION. THE RELOCATED SIGNS SHALL BE SECURELY FASTENED TO THE TEMPORARY WOOD POLE AND/OR THE SIGNAL SPAN TIME. THE BUREAU OF TRAFFIC, EXCLUSIVELY, WILL DETERMINE THE LOCATIONS OF ALL SIGNS THAT ARE DIRECTLY OR INDIRECTLY INVOLVED WITH THE PROJECT.
6. THE SPAN WIRE FOR TEMPORARY TRAFFIC SIGNAL HEAD AND CABLE SHALL BE OF 10 mm NOMINAL DIAMETER, 7 STRAND, ZINC COATED WIRE CONFORMING TO ASTM A475, UTILITY GRADE OR BETTER.
7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL TEMPORARY AND PERMANENT TRAFFIC SIGNAL INSTALLATIONS WITH THE CONSTRUCTION SCHEDULE. FINAL COORDINATION AND SEQUENCING SHALL BE APPROVED BY CDOT MAINTENANCE OF TRAFFIC AND THE ENGINEER.
8. WOOD POLE SHALL BE FULL-TREATED SOUTHERN PINE, DOUGLAS FIR, OR WESTERN RED CEDAR CONFORMING TO THE AMERICAN NATIONAL STANDARD SPECIFICATIONS AND DIMENSIONS FOR WOOD POLES. THE PRESERVATIVE TREATMENT SHALL CONFORM TO THE AMERICAN WOOD PRESERVERS ASSOCIATION STANDARD C4. THE DOWN GUY FOR WOOD POLES SHALL MEET THE REQUIREMENT OF ASTM A 475 UTILITY GRADE OR BETTER.
9. ALL LABOR AND MATERIAL REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF THE PROJECT LINE ITEM UNIT PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
10. THE CONTRACTOR SHALL REMOVE ALL EXISTING TRAFFIC SIGNAL EQUIPMENT AT EACH INTERSECTION ON THE SOUTH AND NORTH ENDS OF THE BRIDGE, GREGORY AVENUE AND BRYN MAWR AVENUE, AS SHOWN ON THE PLANS. TRAFFIC SIGNAL EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO THE CONTROLLER AND FOUNDATION, POLES AND FOUNDATIONS, MESSAGE SIGNS, WIRE AND CABLE. ONCE POWER TO THE EQUIPMENT HAS BEEN DISCONNECTED, THE EQUIPMENT SHALL BE REMOVED AND SALVAGED IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.
11. TEMPORARY TRAFFIC SIGNALS MUST BE IN PLACE, TESTED, AND FULLY OPERATIONAL PRIOR TO REMOVAL OF EXISTING SIGNALS. THE CITY USES COMBINATION TRAFFIC SIGNAL AND STREET LIGHTING POLES; THEREFORE, THE CONTRACTOR SHALL PROVIDE TEMPORARY PROVISIONS TO MAINTAIN POWER TO THE ROADWAY LIGHTING REMAINING IN SERVICE. ALL TRAFFIC SIGNAL EQUIPMENT REMOVED BY THE CONTRACTOR SHALL BE TURNED OVER TO THE CITY OF CHICAGO, BUREAU OF ELECTRICITY. PAYMENT FOR THIS WORK WILL BE MADE PER CONTRACT PAY ITEM "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".



LEGEND-TEMPORARY CABLE PLAN

- R TEMPORARY TRAFFIC SIGNAL SECTION
- TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET
- ⑤ INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED
- TEMPORARY LIGHTING CONTROLLER
- D
N
E INTERNALLY ILLUMINATED "DO NOT ENTER" SIGN
- N
R
T INTERNALLY ILLUMINATED "NO RIGHT/LEFT TURN" SIGN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 NAGLE AVE. OVER FAI-90
 (KENNEDY EXPY)
 TEMPORARY CABLE DIAGRAM
 AND NOTES

SCALE: NONE
 DATE: DEC 2004

DRAWN BY: RSV
 CHECKED BY: DS

K&E KAM ENGINEERING, INC.
 CONSULTING ENGINEERS
 7074 Davite Road, Suite 205
 Elgin, Illinois 60123-1369

G:/PROJECTS/JOB268/SIGNAL/NAGLE/TS-06.DGN