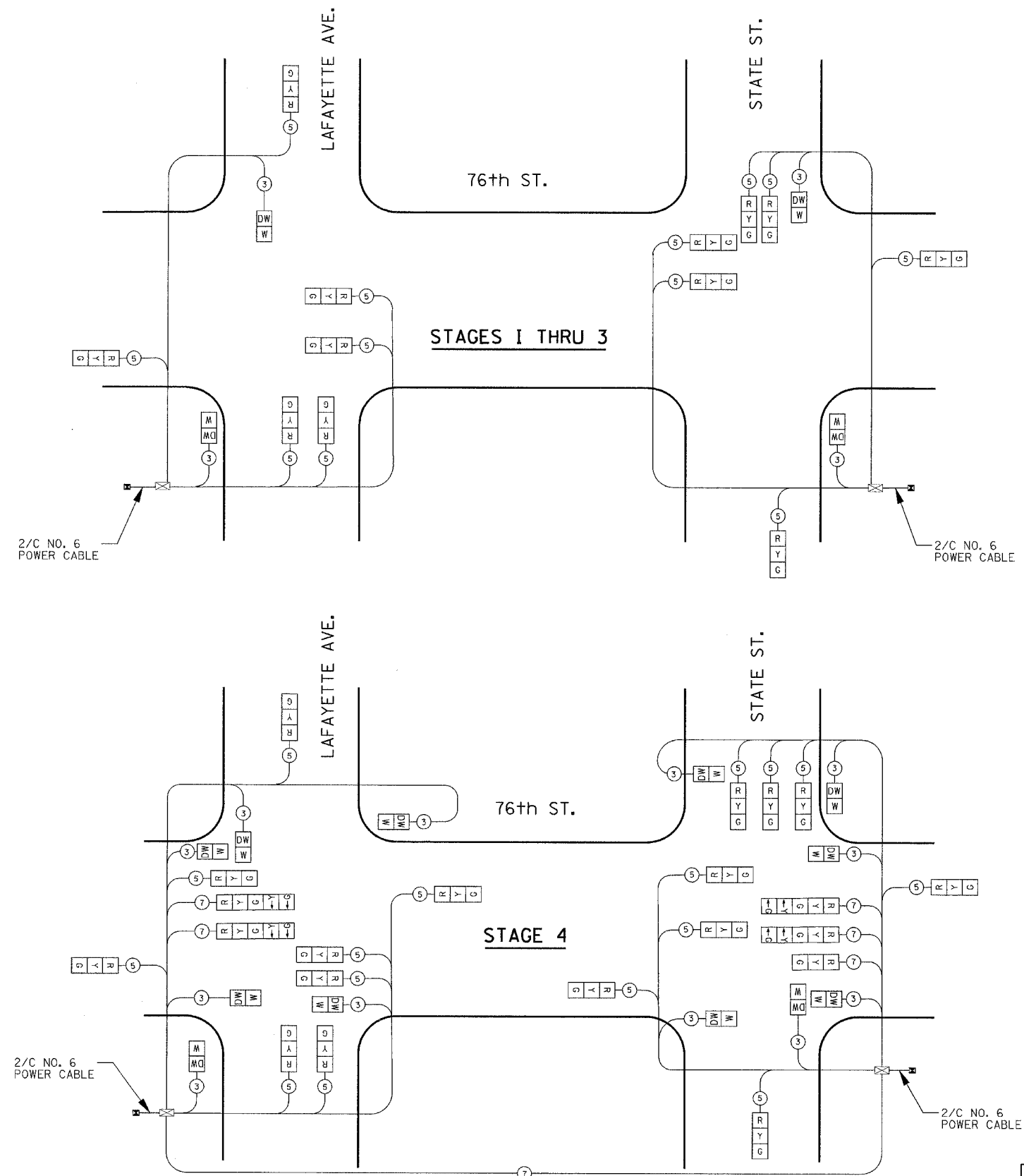




NOTES:

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 SETTINGS 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 ARTICLE 1073.01 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WITH REGARDS TO INTERNAL TIME BASE COORDINATION AND PREEMPTION.
4. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE OF THE TYPE AND SIZE INDICATED IN THE SPECIAL PROVISIONS. 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 WIRE. 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 HEADS AND CABLE SHALL BE OF 3/8" NOMINAL DIAMETER, 7 STRAND, ZINC COATED WIRE CONFORMING TO ASTM A475, UTILITY GRADE OR BETTER.
7. THE TEMPORARY WOOD POLES FURNISHED AND INSTALLED UNDER STAGE 1 SHALL BE LEFT IN PLACE THROUGHOUT EACH CONSTRUCTION STAGE. THE CONTRACTOR MUST LOCATE EACH WOOD POLE IN A LOCATION WHERE IT WOULD NOT RESTRICT THE CONSTRUCTION PROPOSED UNDER PRECEDING STAGES. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL TEMPORARY AND PERMANENT TRAFFIC SIGNAL INSTALLATIONS WITH HIS CONSTRUCTION SCHEDULE. FINAL COORDINATION AND SEQUENCING SHALL BE APPROVED BY CDOT MAINTENANCE OF TRAFFIC AND THE ENGINEER.
8. WOOD POLES 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 A475 UTILITY GRADE OR BETTER.
9. ALL LABOR AND MATERIAL REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNIT PRICE EACH FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
10. THE CONTRACTOR SHALL REMOVE ALL EXISTING TRAFFIC SIGNAL EQUIPMENT AT EACH INTERSECTION ON THE EAST AND WEST ENDS OF THE BRIDGE, STATE STREET AND LAFAYETTE AVE. AS SHOWN IN 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. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH TO "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".
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 UNDER THE CONTRACT UNIT PRICE PER EACH FOR "TEMPORARY TRAFFIC SIGNAL INSTALLATION".



LEGEND - TEMPORARY CABLE PLAN

- TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12"
- TEMPORARY CONTROLLER CABINET, SEE NOTE 2
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS SHALL BE NO. 14 A.W.G. WIRE UNLESS OTHERWISE NOTED.
- EXISTING STREET LIGHTING CONTROLLER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 76TH STREET AT
 LAFAYETTE AVE. & STATE ST.
 TEMPORARY CABLE DIAGRAM
 AND GENERAL NOTES

SCALE: NONE DRAWN BY: BSB
 DATE: MARCH 25, 2005 CHECKED BY: WHI

