

LOCATE TEMP WOOD POLE SO THAT IT WILL NOT INTERFERE WITH ANY EXISTING SIGNS, UTILITIES, OR ANY OTHER CONSTRUCTION ACTIVITIES (TYP.)

EXISTING STREET LIGHTING CONTROLLER, SEE TEMPORARY SERVICE CONNECTION DETAIL, THIS SHEET (TYP.).

AERIAL CABLE POWER TO TEMPORARY TRAFFIC CONTROLLER, 2/C NO. 6

TEMPORARY TRAFFIC SIGNAL CONTROLLER, MOUNTED TO WOOD POLE

SUPERSTRUCTURE REPLACEMENT S.N. 016-0890 (CLOSED TO TRAFFIC & PEDESTRIANS)

AERIAL CABLE POWER TO TEMPORARY TRAFFIC CONTROLLER, 2/C NO. 6

TEMPORARY TRAFFIC SIGNAL CONTROLLER, MOUNTED TO WOOD POLE

**STAGES 1, 2 AND 3**

**NOTE 1:**

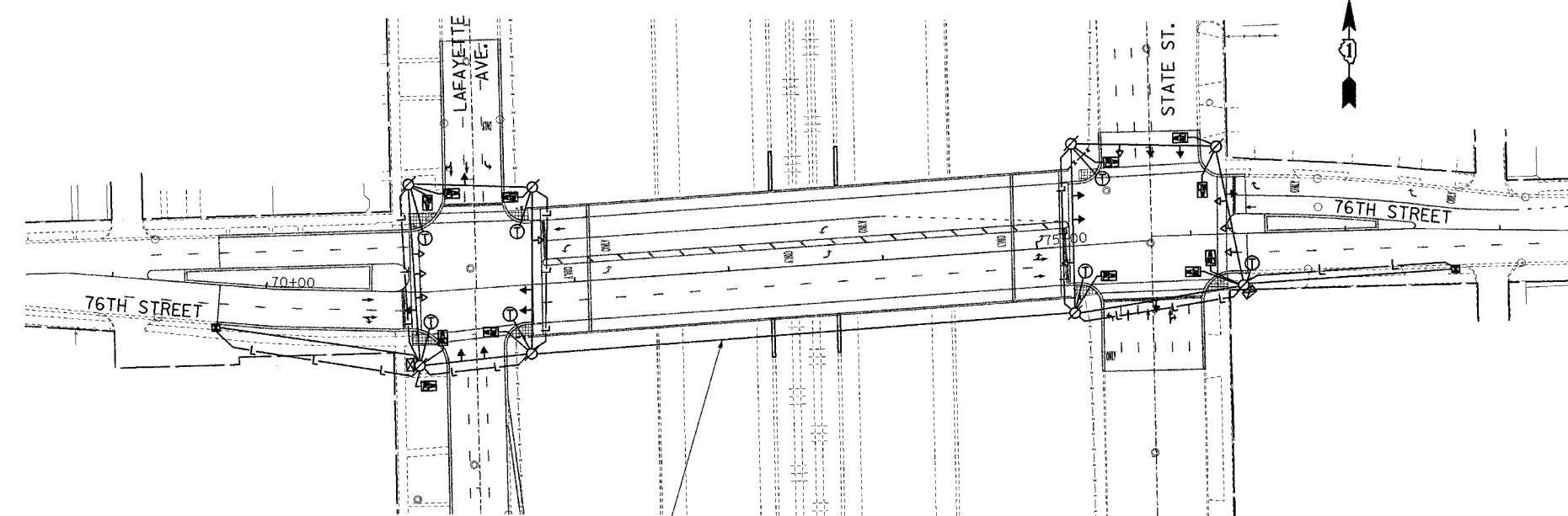
THE CONTRACTOR SHALL OBTAIN ELECTRICAL SERVICE FOR THE TEMPORARY TRAFFIC SIGNAL CONTROLLER VIA THE EXISTING STREET LIGHTING CONTROLLER. EXTRA PRECAUTION MUST BE TAKEN WHEN PLACING STRAPS, MOUNTING CONDUIT AND RUNNING CABLE. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT, TOOLS, AND DEVICES AS REQUIRED FOR PROPER SERVICE CONNECTIONS. ANY DAMAGES TO THE EXISTING STREET LIGHTING CONTROLLER OR OTHER EQUIPMENT SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE. ALL TEMPORARY SERVICE AND CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "TEMPORARY TRAFFIC SIGNAL INSTALLATION."

**NOTE 2:**

TEMPORARY AERIAL WIRE AND CABLE MAY BE REQUIRED TO CONTINUE SERVICE TO ADJACENT STREET LIGHTING. ALL TEMPORARY STREET LIGHTING SERVICES, FIELD INVESTIGATIONS, CONNECTIONS, POLES, CABLES, SECONDARY RACKS, SPLICE KITS, ETC. SHALL BE PAID FOR AS PART OF THE CONTRACT UNIT PRICE PER LUMP SUM FOR "MAINTENANCE OF EXISTING STREET LIGHTING SYSTEM"

**NOTE 3:**

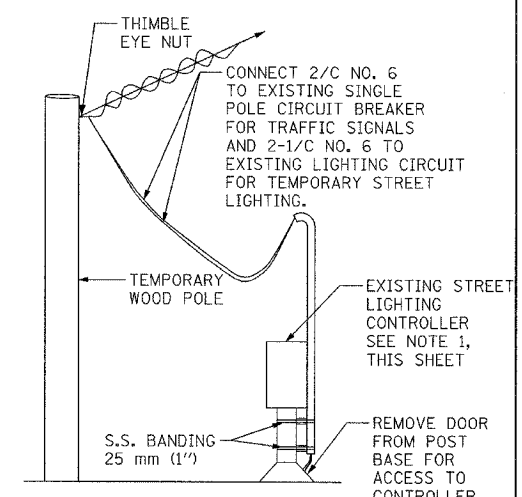
THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIAL, EQUIPMENT AND LABOR AS REQUIRED TO MAINTAIN POWER TO THE EXISTING STREET LIGHTING ADJACENT TO THE BRIDGE. THE EXISTING AND PROPOSED STREET LIGHTING PLAN INDICATES THAT THE (2) CIRCUITS THAT SERVE THE STREET LIGHTS ON THE BRIDGE ARE AS FOLLOWS:  
THE LIGHTS ON BOTH SIDES OF THE BRIDGE, FROM MID-BRIDGE EASTWARD, ARE SERVED BY A CIRCUIT THAT ENDS EAST OF THE BRIDGE. THE REMAINING LIGHTS ON BOTH SIDES OF THE BRIDGE ARE SERVED BY A CIRCUIT THAT ENDS WEST OF THE BRIDGE.



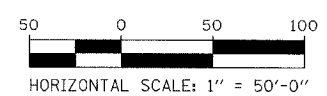
**STAGE 4**

**LEGEND - TEMPORARY TRAFFIC SIGNALS**

- ← PROPOSED TRAFFIC SIGNAL HEAD WITH SPAN WIRE, LOCATION VARIES, BETWEEN STAGES 1 & 3
- ⊖ TRAFFIC SIGNAL HEAD WITH SPAN WIRE, STAGE 4 LOCATION
- WOOD POLE (CLASS 5 OR BETTER). 45' MINIMAL
- ⊗ WOOD POLE, INSTALLED IN STAGE 1, TO REMAIN IN PLACE THROUGHOUT THE CONSTRUCTION PERIOD.
- ⊠ PROPOSED TEMPORARY TRAFFIC SIGNAL CONTROLLER
- ⊞ PEDESTRIAN SIGNAL HEAD BRACKET MOUNTED TO WOOD POLE (TO REMAIN IN PLACE THROUGHOUT THE CONSTRUCTION PERIOD)
- TEMPORARY SPAN WIRE, TETHER WIRE & CABLE, TRAFFIC SIGNALS
- ← B TRAFFIC SIGNAL HEAD, BRACKET MOUNTED TO WOOD POLE
- L TEMPORARY SPAN WIRE, TETHER WIRE & CABLE 2- 1/C NO. 6, LIGHTING
- ⊙ TEMPORARY STREET LIGHT WITH 8' MAST ARM BRACKET MOUNTED, 310 WATT HPS
- ⊗ EXISTING STREET LIGHT, 310 WATT HPS
- ⊗ NEW STREET LIGHT, 310 WATT HPS
- ⊞ EXISTING STREET LIGHTING CONTROLLER
- ⊙ EXISTING STREET LIGHT, 195 WATT HPS
- ⊗ NEW STREET LIGHT, 195 WATT HPS
- ▨ WORK ZONE
- ⊞ TERMINAL, CABINET F.A. & P.C.



**TEMPORARY SERVICE CONNECTION AT LIGHTING CONTROLLER**



TEMPORARY TRAFFIC SIGNAL AND STREET LIGHTING INSTALLATION			
DESCRIPTION	QUANTITY	UNITS	
WOOD POLES, CLASS 5, 13.7m (45') W/ GUY WIRE AND ANCHORS	8	EACH	
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 3C, WITH SPAN WIRE & TETHER	1175	FOOT	
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 5C, WITH SPAN WIRE & TETHER	1785	FOOT	
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 7C, WITH SPAN WIRE & TETHER	600	FOOT	
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 6, 2/C, WITH SPAN WIRE & TETHER	500	FOOT	
TEMPORARY TRAFFIC SIGNAL CONTROLLER	2	EACH	

TEMPORARY TRAFFIC SIGNAL AND STREET LIGHTING INSTALLATION			
DESCRIPTION	QUANTITY	UNITS	
SIGNAL HEAD, 1 FACE, 3 SECTION, 12" LENSES	16	EACH	
SIGNAL HEAD, 1 FACE, 5 SECTION, 12" LENSES	4	EACH	
PEDESTRIAN SIGNAL HEAD, 2 FACE	12	EACH	
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 6, 1/C WITH SPAN WIRE & TETHER	2250	FOOT	
LUMINAIRE, STREET LIGHTING, HIGH PRESSURE SODIUM VAPOR 310 WATTS, 240 VOLT	7	EACH	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. 94 (DAN RYAN EXPRESSWAY)**  
**76TH STREET AT LAFAYETTE AVE. & STATE ST.**  
**TEMPORARY TRAFFIC SIGNALIZATION**  
**STAGES 1, 2, 3 and 4**  
 SCALE: AS SHOWN DRAWN BY: BSB  
 DATE: MARCH 25, 2005 CHECKED BY: WHI

