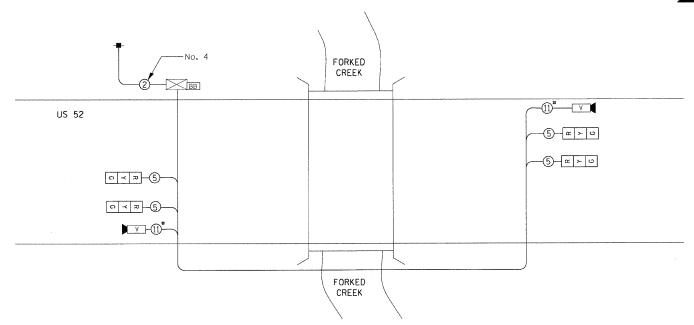
## **D**Ô>Z

## NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR, EVP WILL BE PAID FOR SEPARATELY.
- 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. A REPRESENTATIVE OF THE TRAFFIC SIGNAL CONTROLLER/CABINET VENDOR/SUPPLIER MUST BE PRESENT AT THE TRAFFIC SIGNAL TURN ON.
- 3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12"
  (300mm), 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 RELOCATED 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 RE-MOVED 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. 24" WHITE STOP BAR TO BE INSTALLED AFTER THE INSTALLATION AND IMPLEMENTATION OF THE TEMPORARY TRAFFIC SIGNALS.
- 8. THE VIDEO CAMERA VENDOR/SUPPLIER REPRESENTATIVE WILL ASSIST THE CONTRACTOR
  IN THE EQUIPMENT SETUP/PLACEMENT OF CAMERAS AND WILL BE PRESENT AT THE
  TRAFFIC SIGNAL TURN ON.

TOTAL = 264



\* NOTE: OR AS SPECIFIED BY CAMERA VENDOR

## CONTROLLER SEQUENCE TEM DESCRIPTION UNIT WAS BROUGHT TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION EACH X8900005 TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION EACH

NOTE:
EQUIPMENT GROUND CONDUCTOR (GREEN COLOR
CODED) SPLICE TO FRAME AND COVER IS REQUIRED
FOR ALL HANDHOLES OR DOUBLE HANDHOLES THAT
CARRY SIGNAL CABLES AND SERVICE CABLES.

43	I.D.O.T					
emp.sht	TRAFFIC SIGNAL INSTALLATION					
T-ST-	ELECTRICAL SERVICE REQUIREMENTS					TOTAL
	TYPE	NO. LAMPS	WAT INCAND.	TAGE ;	%OPERATION	WATTAGE
-23	SIGNAL (RED)	4	135	17	0.50	34
3329	(YELLOW)	4	135	25	0.25	25
	(GREEN)	4	135	15	0.25	15
an	ARROW		135	12	0.10	
유	PED. SIGNAL		90	25	1.00	
950	CONTROLLER	1	100	100	1.00	100
ď	ILLUM. SIGN		84		0.05	
ģ	VIDEO CAMERA	2		45	1.0	90
g						
design						

ILLINOIS DEPARTMENT OF TRANSPORTATION

COMPANY: COM, ED.

PHASE DESIGNATION

LEGEND

SINGLE ENTRY PHASE

OVERLAP OVERLAP

PEDESTRIAN PHASE

NUMBER REFERS TO ASSOCIATED PHASE



QUANTITY

48 - HOURS BEFORE DIGGING

## TEMPORARY CABLE DIAGRAM LEGEND

- R TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- TEMPORARY CONTROLLER CABINET
- --- TEMPORARY SERVICE INSTALLATION
- (5) INDICATES NUMBER OF CONDUCTORS
  IN CABLE, ALL CONDUCTORS TO BE
  NUMBER 14 AWG WIRE UNLESS
  OTHERWISE NOTED.
- → EMERGENCY VEHICLE LIGHT DETECTOR
- ► CONFIRMATION BEACON
- PEDESTRIAN PUSHBUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- MICROWAVE VEHICLE SENSOR
- V VIDEO DETECTOR SENSOR
- C CLOSED CIRCUIT TV
- BB BATTERY BACK UP
- TELEPHONE CONNECTION

Ciorba Group, Inc.

CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4008

Fax 773.775.4014

CUSER NAME = wlancaster

USER NAME = wlancaster

PLOT SCALE = 52.28266 ' / PLOT DATE = 778/2808

201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: KATHY NYSTROM PHONE: (847) 816-5489

ENERGY COSTS TO:

FOUNDATION (DEPTH) FT. (m) CABLE SLACK

24" (600mm) 10 (3.0) C 30" (750mm) 15 (4.6) F

TYPE A - POST 4 (1.2) HANDHOLE

D - CONTROLLER 4 (1.2) DOUBLE HANDHOLE

STENAL POST

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 852 /US ROUTE 52 OVER FORKED CREEK TEMPORARY CABLE PLAN & TEMPORARY PHASE DESIGNATION DIAGRAM

F.A.P. RTE. SECTION COUNTY TOTAL SHEE NO. 852 18B WILL 31 11 CONTRACT NO. 60D87