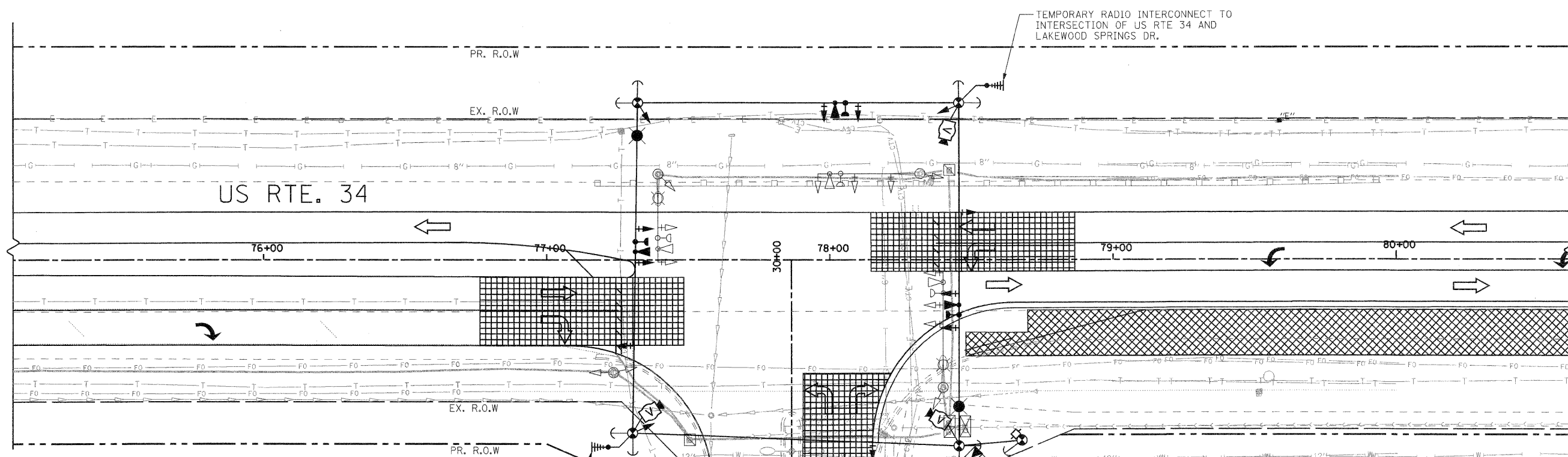


**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 800  
Chicago, Illinois 60607



**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

- ALL SIGNAL HEADS ON INDIVIDUAL SPAN WIRE SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
- THE CONTRACTOR SHALL PROVIDE THREE FEET OF SLACK CABLE IN THE CONTROLLER AND ON THE WOOD POLES. THE SLACK IS IN ADDITION TO THE VERTICAL LENGTH OF CABLE DEFINED IN THE STANDARD SPECIFICATIONS AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR ELECTRIC CABLE OF THE TYPE SPECIFIED.
- TEMPORARY WOOD POLES SHALL BE LOCATED A MINIMUM OF 6' FROM THE FACE OF CURB OR A MINIMUM OF 18' FROM THE EDGE OF PAVEMENT WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE WOOD POLE LOCATIONS BEFORE ORDERING TO DETERMINE IF LONGER POLES ARE REQUIRED.
- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" POLYCARBONATE (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 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. RELOCATION OF ANY SIGNAL HEAD FOR TEMPORARY SIGNAL IS INCIDENTAL TO PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
- 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.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- SPAN WIRE SIGNAL HEADS FOR TRAFFIC FROM WAUBONSEE DRIVE SHALL BE RELOCATED TO ALIGN WITH THE LOCATION OF NORTHBOUND AND SOUTHBOUND LANES DURING CONSTRUCTION.
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY SHALL BE IN ACCORDANCE TO SUPPLEMENTAL SPECIFICATION SECTION 862 AND SHALL BE "EXTENDED" RANGE FOR SIX HOURS OF FULL RUN-TIME OPERATION. THE TEMPORARY UNINTERRUPTIBLE POWER SUPPLY SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- TEMPORARY WOOD POLES SHALL BE LOCATED 6' FROM FACE OF CURB OR A MINIMUM OF 18' FROM THE EDGE OF PAVEMENT WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ALL TEMPORARY WOOD POLES SHALL BE INSTALLED SO THAT A MINIMUM OF 30' OF POLE IS ABOVE THE PAVEMENT ELEVATION ADJACENT TO THE POLE. SUFFICIENT LENGTH SHALL BE BURIED AND BACK GUYED TO WITHSTAND 70 MPH WIND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING TEMPORARY WOOD POLE LOCATIONS BEFORE ORDERING TO DETERMINE IF LONGER POLES ARE REQUIRED.

TEMPORARY RADIO INTERCONNECT TO INTERSECTION OF US RTE 34 AND WAUBONSEE DR.

MITCHELL DR.

**STAGE 1A**

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE.

- 1 EACH CONTROLLER AND CABINET AND CONTENTS
- 3 EACH SIGNAL HEAD, 1-FACE, 3 SECTION, BRACKET MOUNTED
- 2 EACH SIGNAL HEAD, 1-FACE, 5 SECTION, BRACKET MOUNTED
- 5 EACH SIGNAL HEAD, 1-FACE, 3 SECTION, MAST ARM MOUNTED
- 3 EACH SIGNAL HEAD, 1-FACE, 5 SECTION, MAST ARM MOUNTED

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE CITY OF PLANO AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY.

- 3 EACH EMERGENCY VEHICLE LIGHT DETECTOR
- 3 EACH CONFIRMATION BEACON

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH TRAFFIC SIGNAL POST
- 2 EACH COMBINATION STEEL MAST ARM ASSEMBLY AND POLE
- 1 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 13 EACH TRAFFIC SIGNAL BACKPLATE
- 2 EACH LUMINAIRE, 250 WATT, HPS
- 1 EACH SERVICE INSTALLATION

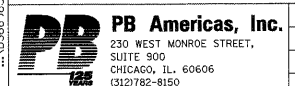
**EXISTING EQUIPMENT TO BE REMOVED**

- EXISTING SIGNAL HEAD
- EXISTING PEDESTRIAN SIGNAL HEAD
- EXISTING SERVICE INSTALLATION
- EXISTING SIGNAL POST AND FOUNDATION
- EXISTING CONTROLLER AND FOUNDATION
- EXISTING HANDHOLE
- EXISTING HEAVY-DUTY HANDHOLE
- EXISTING STEEL MAST ARM POLE AND FOUNDATION
- EXISTING COMBINATION STEEL MAST ARM POLE AND FOUNDATION
- EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
- EXISTING CONFIRMATION BEACON
- EXISTING CONFIRMATION BEACON

**TEMPORARY TRAFFIC SIGNAL LEGEND**

- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT MIN.
- TEMPORARY CONTROLLER CABINET
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY LUMINAIRE 250W HPS WITH 15' MAST ARM
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- GUY WIRE
- VIDEO CAMERA
- RADIO INTERCONNECT ANTENNA
- VIDEO DETECTION ZONE
- TEMPORARY PAVEMENT
- WORK ZONE

10' 0 10' 20'  
SCALE: 1" = 20'



FILE NAME =	DESIGNED - GR	REVISED -
PLOT SCALE = 1/20	DRAWN - GR	REVISED -
PLOT DATE = 4/9/2011	CHECKED - BS	REVISED -
	DATE - 4/8/2011	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING SIGNAL REMOVAL AND TEMPORARY TRAFFIC  
SIGNAL INSTALLATION PLAN  
US RTE. 34 AND MITCHELL DR. - STAGE 1A**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	229
				CONTRACT NO. 66985
ILLINOIS FED. AID PROJECT				

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.