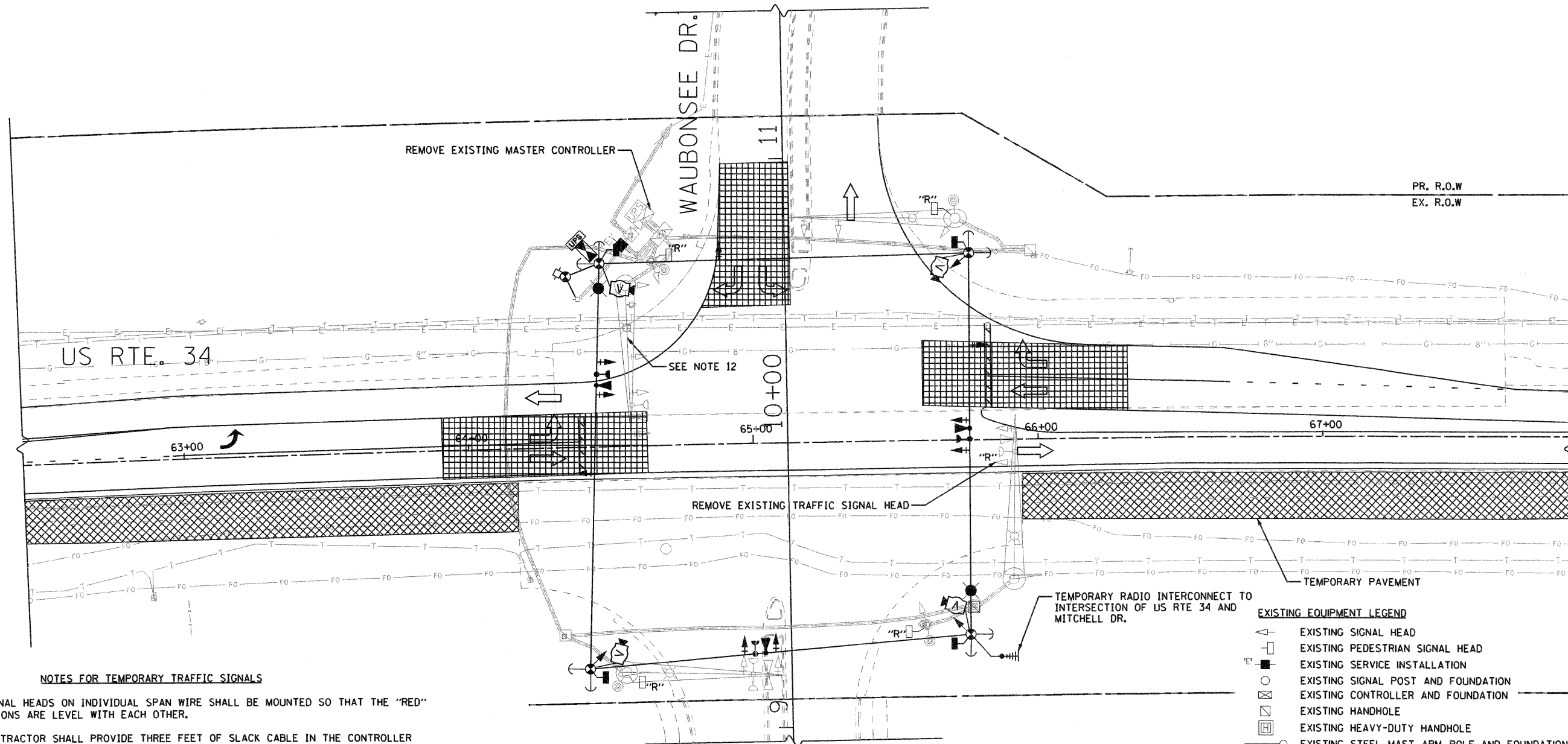


**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 800  
Chicago, Illinois 60607



**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

1. ALL SIGNAL HEADS ON INDIVIDUAL SPAN WIRE SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
2. 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.
3. 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.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE WOOD POLE LOCATIONS BEFORE ORDERING TO DETERMINE IF LONGER POLES ARE REQUIRED.
5. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
6. 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".
7. 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.
8. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.

9. SPAN WIRE SIGNAL HEADS FOR TRAFFIC FROM WAUBONSEE DRIVE SHALL BE RELOCATED TO ALIGN WITH THE LOCATION OF NORTHBOUND AND SOUTHBOUND LANES DURING CONSTRUCTION.
10. 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.
11. 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.
12. CONTRACTOR SHALL REMOVE EXISTING COMBINATION MAST ARM ASSEMBLY AND POLE. ALL EXISTING TRAFFIC SIGNAL AND LIGHTING EQUIPMENT SHALL BE RELOCATED TO NEW COMBINATION MAST ARM ASSEMBLY AND POLE.

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

1	EACH	SIGNAL HEAD, 1-FACE, 3 SECTION, MAST ARM MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE, 2 SECTION
1	EACH	MASTER CONTROLLER
1	EACH	COMBINATION MAST ARM ASSEMBLY AND POLE

EXISTING EQUIPMENT LEGEND	
	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
	EXISTING EQUIPMENT TO BE REMOVED
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'

**PB Americas, Inc.**  
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1312782-9150

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 WAUBONSEE DR. - STAGE 1A**

SCALE: 1"=20' SHEET NO. 1 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	226
CONTRACT NO. 66985				
ILLINOIS FED. AID PROJECT				