

**BILL OF MATERIALS**  
**INTERSECTION OF IL 33 & HOWARD STREET**

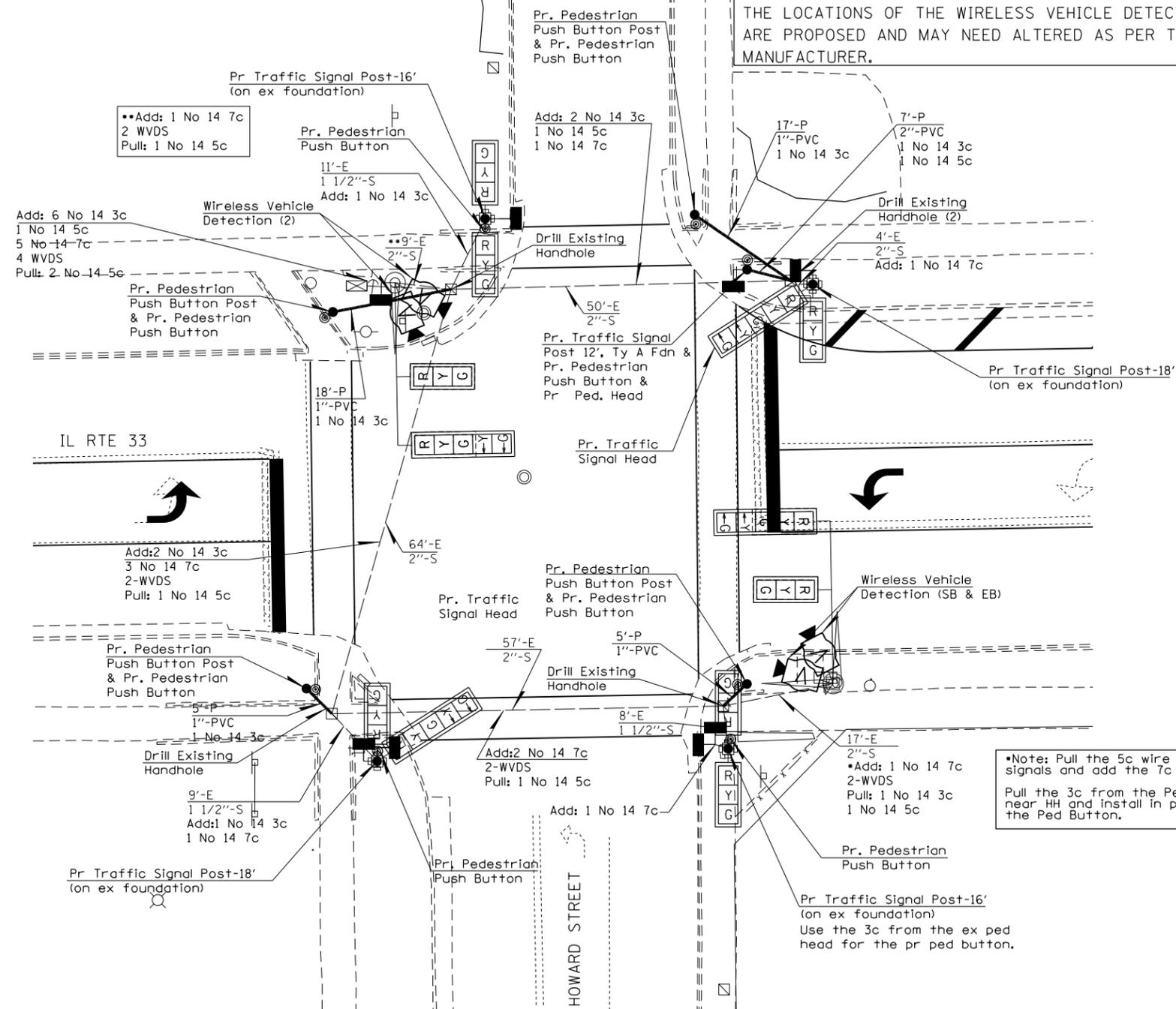
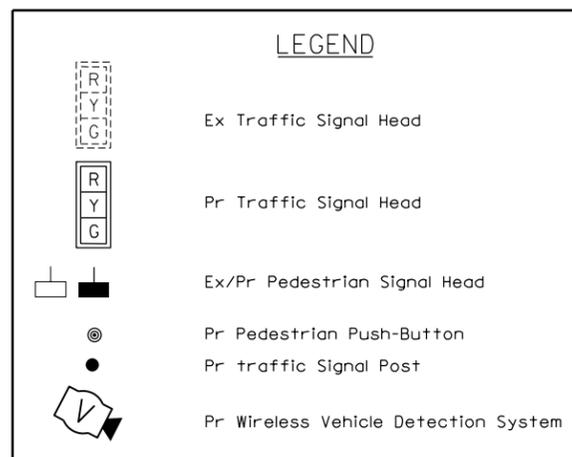
ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 1' DIA	FOOT	45.0
UNDERGROUND CONDUIT, PVC, 2" DIA	FOOT	7.0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 14 3C	FOOT	898.0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 14 5C	FOOT	108.0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 14 7C	FOOT	538.0
TRAFFIC SIGNAL POST, ALUMINUM, 12 FT	EACH	1.0
TRAFFIC SIGNAL POST, ALUMINUM, 16 FT	EACH	2.0
TRAFFIC SIGNAL POST, ALUMINUM, 18 FT	EACH	2.0
PEDESTRIAN PUSH BUTTON POST	EACH	4.0
CONCRETE FOUNDATION, TYPE A	FOOT	3.0
DRILL EXISTING HANDHOLE	EACH	5.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3 SECTION MAM	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5 SECTION MAM	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3 SECTION BM	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SEC, 1-5 SEC, BM	EACH	2.0
PEDESTRIAN HEAD, POLY, LED, 1-FACE, BM, W/COUNTDOWN TIMER	EACH	6.0
PEDESTRIAN HEAD, POLY, LED, 2-FACE, BM, W/COUNTDOWN TIMER	EACH	1.0
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12.0
PEDESTRIAN PUSH BUTTON	EACH	8.0
MODIFY EXISTING CONTROLLER	EACH	1.0
MODIFY EXISTING CONTROLLER CABINET	EACH	1.0
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	310.0
REMOVE TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
WIRELESS VEHICLE DETECTION SYSTEM	EACH	1.0

**NOTE:**  
Traffic Signal Equipment to be Removed:  
3 Section Heads-4 MAM  
3 Section Heads-6 BM  
Ped Heads-8  
Signal Posts-4

**NOTE:**  
THE WIRELESS VEHICLE DETECTION SYSTEM SHALL INCLUDE ALL THE WIRE AND DETECTION UNITS FOR THE ENTIRE INTERSECTION.  
  
THE WIRELESS VEHICLE DETECTION SYSTEM SHALL CONSIST OF 4 UNITS TO DETECT TRAFFIC FOR EASTBOUND, WESTBOUND, SOUTHBOUND AND NORTHBOUND TRAFFIC.  
  
THE LOCATIONS OF THE WIRELESS VEHICLE DETECTION SYSTEM ARE PROPOSED AND MAY NEED ALTERED AS PER THE MANUFACTURER.

**NOTE:**  
Proposed Traffic Signal Heads and Pedestrian Signal Heads shall replace the existing heads in their existing location.  
Exception: The far 3 section head on the mast arms will be replaced with a 5 section head. The pedestrian head for NB on the existing post in the NE quad will be relocated on the new post near the cross walk. The pedestrian head for SB on the existing mast arm in the SE quad will be relocated on the existing post near the cross walk.

Additions: There will be a 5 section head added on the traffic signal post in the SW Quadrant and the NE Quadrant.



**Note:** Pull the 5c wire from the MAM signals and add the 7c for both signals. Pull the 3c from the Ped Head to the near HH and install in pr conduit for the Ped Button.

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
ei:\pw\work\p\dot\steffenmk\d0282300\0774554-sht-ts.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/5/2013	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLANS**  
**INTERSECTION OF IL 33 & HOWARD STREET**

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	(12,17)RS-1	CRAWFORD	60	53
CONTRACT NO. 74554			ILLINOIS FED. AID PROJECT	