

POST AND MAST ARM DATA			
NO.	STATION	OFFSET	DESCRIPTION
P1	99+30.6	42.7' LT.	EXISTING STEEL MAST ARM ASSEMBLY AND POLE
P2	99+37.8	45.1' LT. (SAME)	EXISTING TRAFFIC SIGNAL POST *
P3	100+30.1	66.1' LT.	EXISTING STEEL MAST ARM ASSEMBLY AND POLE
P4	100+55.6	42.7' LT.	PEDESTRIAN PUSH-BUTTON POST, TYPE II
P5	100+50.1	40.0' LT.	EXISTING TRAFFIC SIGNAL POST *
P6	100+60.7	34.4' LT.	TRAFFIC SIGNAL POST, 16 FT.
P7	100+82.6	56.0' RT.	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.
P8	100+66.8	44.1' RT.	EXISTING STEEL MAST ARM ASSEMBLY AND POLE *
P9	100+54.7	40.5' RT.	EXISTING TRAFFIC SIGNAL POST *
P10	100+55.5	58.3' RT.	PEDESTRIAN PUSH-BUTTON POST, TYPE II
P11	100+48.2	65.5' RT.	TRAFFIC SIGNAL POST, 16 FT.
P12	99+66.5	63.6' RT.	EXISTING STEEL MAST ARM ASSEMBLY AND POLE
P13	99+55.1	55.9' RT.	TRAFFIC SIGNAL POST, 10 FT.
P14	99+47.1	35.4' RT.	EXISTING TRAFFIC SIGNAL POST

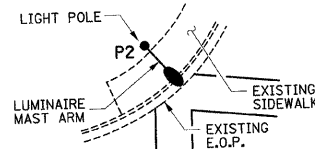
\* EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED BY THE CONTRACTOR.

† PROPOSED 250W HPS LUMINAIRE, PHOTO-CELL CONTROL, WITH M-C-III DISTRIBUTION, WITH 8" TRUSS ARM MOUNTED ON 40' POLE, WITH 24" DIA. CONCRETE FOUNDATION.

IF NECESSARY THE BACKFILLING OF EXCAVATIONS ADJACENT TO CONCRETE SIGNAL FOUNDATIONS SHALL BE DONE PRIOR TO CONSTRUCTING THE FOUNDATIONS. TRENCH BACKFILLING METHODS SUCH AS CONTROLLED LOW-STRENGTH MATERIAL SHALL BE BLOCKED OUT TO ALLOW FOR TYPICAL FOUNDATION CONSTRUCTION.

REMOVE EXISTING JUNCTION BOX = 2 EACH  
WINDSOR ROAD (W. LEG) - JUNCTION BOXES H2 & H3.  
EXISTING TRAFFIC SIGNAL DETECTOR LOOPS SHALL BE DISABLED AND ABANDONED IN PLACE BY THE CONTRACTOR, SEE TECHNICAL SPECIFICATIONS.

NOTE:  
THE LUMINAIRE MAST ARM ORIENTATION FOR THE PROPOSED LIGHT POLE LOCATED IN THE SW QUADRANT SHALL BE RADIAL WITH THE EXISTING E.O.P. AS SHOWN BELOW OR AS DIRECTED BY THE ENGINEER.



HANDHOLE AND JUNCTION BOX DATA			
NO.	STATION	OFFSET	DESCRIPTION
H1	99+20.7	33.2' LT.	EXISTING HANDHOLE
H2	WINDSOR RD. (W. LEG)		EXISTING JUNCTION BOX *
H3	WINDSOR RD. (W. LEG)		EXISTING JUNCTION BOX *
H4	100+70.1	40.9' LT.	HANDHOLE, PORTLAND CEMENT CONCRETE
H5	100+55.7	36.3' LT.	EXISTING HANDHOLE *
H6	FIRST ST. (N. LEG)		EXISTING JUNCTION BOX *
H7	FIRST ST. (N. LEG)		EXISTING JUNCTION BOX *
H8	100+51.5	54.3' RT.	EXISTING HANDHOLE *
H9	100+74.0	90.6' RT.	HANDHOLE, PORTLAND CEMENT CONCRETE
H10	WINDSOR RD. (E. LEG)		EXISTING JUNCTION BOX *
H11	WINDSOR RD. (E. LEG)		EXISTING JUNCTION BOX *
H12	99+69.5	72.2' RT.	EXISTING HANDHOLE *
H13	99+43.7	76.7' RT.	EXISTING DOUBLE HANDHOLE *
H14	99+31.7	65.8' RT.	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
H15	99+52.7	42.8' RT.	EXISTING HANDHOLE *
H16	FIRST ST. (S. LEG)		EXISTING JUNCTION BOX *
H17	FIRST ST. (S. LEG)		EXISTING JUNCTION BOX *

\* EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED BY THE CONTRACTOR.

DRILL EXISTING HANDHOLE = 1 EACH  
EMPTY CONDUITS SHALL BE PLUGGED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR REMOVE ELECTRICAL CABLE FROM CONDUIT (SPECIAL).

EXISTING TRAFFIC SIGNAL DETECTOR LOOPS SHALL BE DISABLED AND ABANDONED IN PLACE BY THE CONTRACTOR, SEE TECHNICAL SPECIFICATIONS FOR MORE INFORMATION.

PROPOSED FIRST ST.

INTERCEPT EXISTING 2" CONDUIT AT EXISTING CONC. FOUNDATION

EXISTING CONTROLLER CABINET (TO BE REMOVED BY THE CONTRACTOR)

INTERCEPT EXISTING 2" CONDUIT AT EXISTING CONC. FOUNDATION

SERVICE INSTALLATION, TYPE A (MODIFIED) = 1 EACH  
USE EXISTING POWER POLE, SEE PLANS AND TECHNICAL SPECIFICATIONS

REMOVE EXISTING JUNCTION BOX = 2 EACH  
WINDSOR ROAD (E. LEG) - JUNCTION BOXES H10 & H11.  
EXISTING TRAFFIC SIGNAL DETECTOR LOOPS SHALL BE DISABLED AND ABANDONED IN PLACE BY THE CONTRACTOR, SEE TECHNICAL SPECIFICATIONS.

# EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED

A. THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE CITY OF CHAMPAIGN, AND SHALL BE MOVED AND STORED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICK-UP BY CITY FORCES.

ITEM	UNIT	QTY
TRAFFIC SIGNAL MAST ARM AND POLE	EACH	1
TRAFFIC SIGNAL POSTS	EACH	3
TRAFFIC SIGNAL HEADS	EACH	7
TRAFFIC SIGNAL BACKPLATE	EACH	2
PEDESTRIAN SIGNAL HEADS	EACH	4
TRAFFIC SIGNAL CONTROLLER (COMPLETE)	EACH	1

THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT. REMOVAL OF INDIVIDUAL ITEMS WILL NOT BE PAID FOR SEPARATELY.

B. THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OR RELOCATED PER THE RESPECTIVE CONTRACT PAY ITEM SPECIFICATIONS. THESE PAY ITEMS WILL BE PAID FOR SEPARATELY:

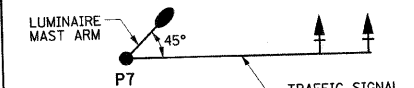
ITEM	UNIT	QTY
REMOVE EXIST. CONCRETE FOUNDATION	EACH	5
REMOVE EXIST. JUNCTION BOX	EACH	8
REMOVE EXIST. HANDHOLE	EACH	5
REMOVE ELECTRICAL CABLE FROM CONDUIT (SPECIAL)	L. SUM	1

C. EXISTING ELECTRIC CABLE IN CONDUIT SHALL BE REMOVED BY THE CONTRACTOR. CABLE REMOVAL FOR THE EXISTING MAST ARMS AND SIGNAL POSTS SHALL CONSIST OF REMOVING CABLE FROM THE POLE/POST HANDHOLE TO THE EXISTING CONTROLLER CABINET UNLESS OTHERWISE DIRECTED BY THE ENGINEER. EXISTING ELECTRIC CABLE FROM THE POLE/POST HANDHOLE TO THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL REMAIN IN PLACE. CABLE REMOVAL FOR THE EXISTING DETECTOR LOOPS SHALL CONSIST OF REMOVING LEAD-IN CABLE FROM THE JUNCTION BOX TO THE EXISTING CONTROLLER CABINET UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE OF REMOVE ELECTRICAL CABLE FROM CONDUIT (SPECIAL). NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SEE THE PLANS AND TECHNICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

REMOVE EXISTING JUNCTION BOX = 2 EACH  
FIRST STREET (N. LEG) - JUNCTION BOXES H6 & H7.  
EXISTING TRAFFIC SIGNAL DETECTOR LOOPS SHALL BE DISABLED AND ABANDONED IN PLACE BY THE CONTRACTOR, SEE TECHNICAL SPECIFICATIONS.

NOTE:  
THE LUMINAIRE MAST ARM ORIENTATION FOR THE PROPOSED COMBINATION MAST ARM ASSEMBLY AND POLE LOCATED IN THE NE QUADRANT SHALL BE AS IDENTIFIED BELOW OR AS DIRECTED BY THE ENGINEER.



## TRAFFIC SIGNAL LEGEND

.....	CONDUIT AUGERED (SIGNALS)
----	CONDUIT AUGERED (LIGHTING)
----	CONDUIT IN TRENCH
●	MAST ARM ASSEMBLY AND POLE, STEEL
○	SIGNAL POST
→	SIGNAL HEAD
→	SIGNAL HEAD WITH BACKPLATE
→	PEDESTRIAN SIGNAL HEAD
→	PEDESTRIAN PUSH-BUTTON POST
→	PEDESTRIAN PUSH-BUTTON
→	INTERNALLY ILLUMINATED STREET NAME SIGN
→	WIDE AREA VIDEO DETECTION UNIT
→	CONTROLLER CABINET
→	HANDHOLE, PORTLAND CEMENT CONCRETE
→	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
→	LUMINAIRE AND MAST ARM
→	SERVICE INSTALLATION

FILE NAME =  
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PLOT DATE =  
2/6/2009 11:16:31 AM

DESIGNED -	S.M.W.	REVISED -
DRAWN -	S.M.W.	REVISED -
CHECKED -	J.A.J.	REVISED -
DATE -	2-09	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

## TRAFFIC SIGNAL PLANS - LAYOUT

SCALE: 1"=20' SHEET NO. 30 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	30
CONTRACT NO. 91397				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 (044)				

C0010461

CITY OF CHAMPAIGN

SECTION NO. 08-00277-00-PV

CHAMPAIGN COUNTY