SUMMARY OF QUANTITIES

PAY ITEM	UNIT	TOTAL
SERVICE INSTALLATION, TYPE B, MODIFIED	EACH	1
CONCRETE HANDHOLE	EACH	9
CONCRETE DOUBLE HANDHOLE	EACH	1
FULL- ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 3.0 METER	EACH	3
CONCRETE FOUNDATION, TYPE A	METER	2.7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 4-SECTION WITH ONE DUAL INDICATION SECTION, MAST ARM MOUNTED	EACH	4
TRANSCEIVER	EACH	1
PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, PLASTIC	EACH	8
PEDESTRIAN PUSH-BUTTON	EACH	8
CONDUIT IN TRENCH, 50mm ,PVC	METER	809
CONDUIT IN TRENCH, 75mm, PVC	METER	27
CONDUIT IN TRENCH, 90mm, PVC	METER	89
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	896
ELECTRIC CABLE IN CONDUIT, SIGNAL No. 14 5C	METER	181
ELECTRIC CABLE IN CONDUIT, SIGNAL No. 14 7C	METER	637
CONDUIT PUSHED, 50mm ,PVC	METER	34
DRILL EXISTING HANDHOLE	EACH	1

HH 5- HH 10 SEE CONSTRUCTION DETAILS FOR LOCATION

INTERCONNECT CONDUIT QUANTITIES FROM HH5 TO HH 10

CONDUIT IN TRENCH , 50 MM., PVC		CONDUIT PUSHED, 50 MM., PVC	
HH5-HH6	110.8 M	STA. 3+323 TO 3+351	28.0 M
HH6-HH7	119.5 M	STA. 3+367 TO 3+373	6.0 M
HH7-HH8	119.2 M	TOTAL= 34.0 M	
HH8-HH9	119.0 M		
HH9-HH10	119.0 M		
HH10-CONTROLLER (GARFIELD AVE.)	87.5 M		
TOTAL= 675.0 M			

SUMMARY OF QUANTITIES

PAY ITEM	UNIT	TOTAL
ELECTRIC CABLE IN CONDUIT, GROUNDING NO.6 I C	METER	237
ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) I/C NO.6	METER	370
ELECTRIC CABLE IN CONDUIT, COMM., No. 16, 6 PAIRS	METER	800
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 9.14 M	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 10.36 M	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 12.8 M	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 15.24 M	EACH	1
CONCRETE FOUNDATION, TYPE E, 900 MM DIA.	METER	15.4
CONCRETE FOUNDATION, TYPE D	METER	1.1
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4
VIDEO VEHICLE DETECTION, 4 CAMERAS	EACH	1
LIGHTING CONTROLLER, PHOTOCELL RELAY	EACH	1

ROUTE NO.	SECTION NO.	TOTAL SHEET	SHEET NO.
F.A.U. 6578 F.A.U. 6679	03-00019-11-FP	98	31
FED. ROAD DIST. NO.	COUNTY	PROJECT	
	PEORIA		
	ILLINOIS	M-5093 (104	

CONTRACT NO. 89369

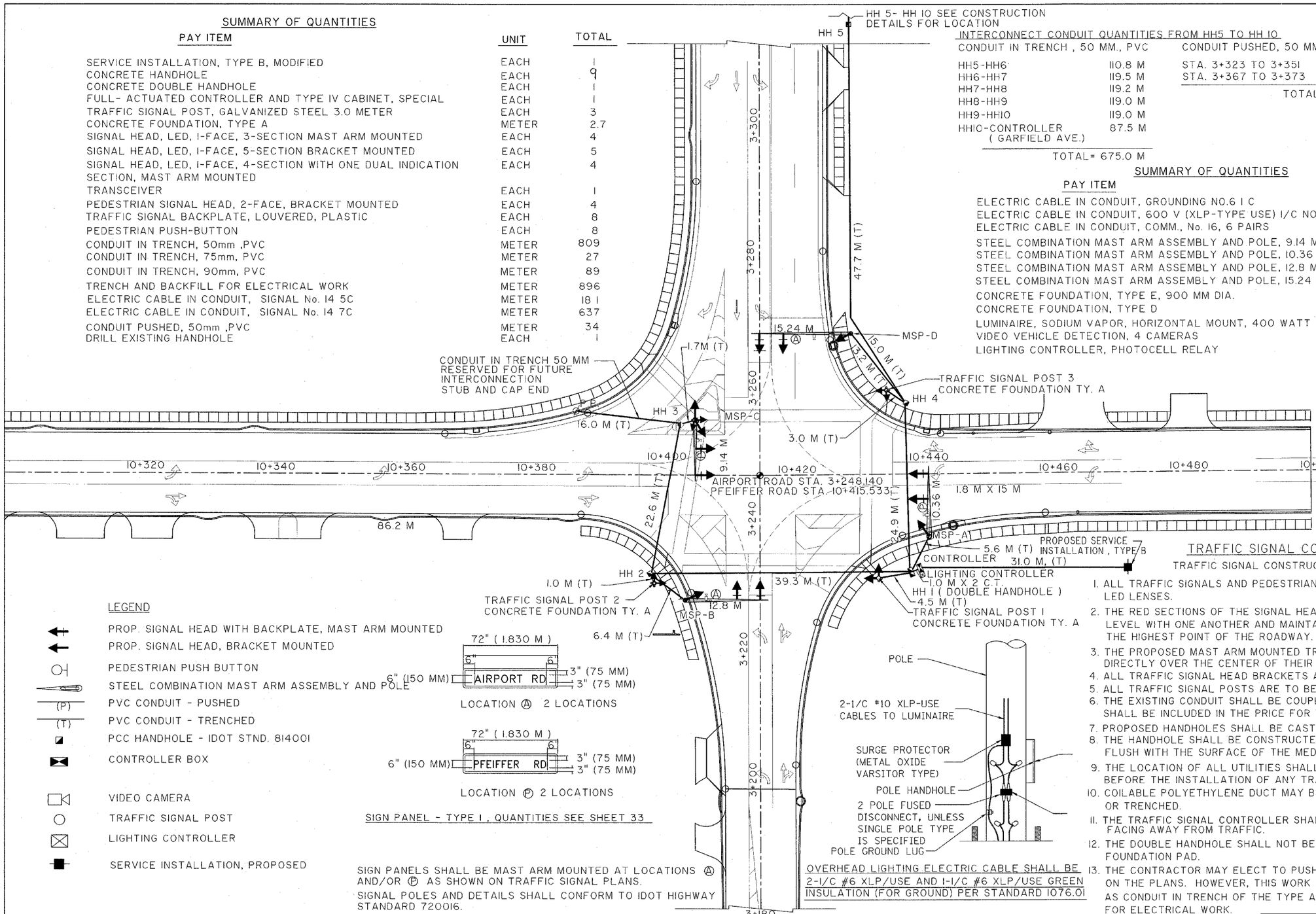
N

SCALE 1:300

5 20 40 60 80 FEET

5 10 15 20 25 METER

LUMP SUM



LEGEND

- PROP. SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED
- PROP. SIGNAL HEAD, BRACKET MOUNTED
- PEDESTRIAN PUSH BUTTON
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- (P) PVC CONDUIT - PUSHED
- (T) PVC CONDUIT - TRENCHED
- PCC HANDHOLE - IDOT STND. 814001
- CONTROLLER BOX
- VIDEO CAMERA
- TRAFFIC SIGNAL POST
- LIGHTING CONTROLLER
- SERVICE INSTALLATION, PROPOSED

SIGN PANEL - TYPE 1 , QUANTITIES SEE SHEET 33

SIGN PANELS SHALL BE MAST ARM MOUNTED AT LOCATIONS Ⓐ AND/OR Ⓟ AS SHOWN ON TRAFFIC SIGNAL PLANS.

SIGNAL POLES AND DETAILS SHALL CONFORM TO IDOT HIGHWAY STANDARD 720016.

ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.

OVERHEAD LIGHTING ELECTRIC CABLE SHALL BE 2-1/C #6 XLP/USE AND 1-1/C #6 XLP/USE GREEN INSULATION (FOR GROUND) PER STANDARD 1076.01

TRAFFIC SIGNAL CONSTRUCTION NOTES

TRAFFIC SIGNAL CONSTRUCTION NOTES - AIRPORT & PFEIFFER RD.

1. ALL TRAFFIC SIGNALS AND PEDESTRIAN SECTIONS SHALL HAVE 300MM (12") SINGLE LED LENSES.
2. THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 4.88 METER (16") MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
3. THE PROPOSED MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE MOUNTED DIRECTLY OVER THE CENTER OF THEIR RESPECTIVE LANES.
4. ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE ALUMINUM WITH A NATURAL FINISH.
5. ALL TRAFFIC SIGNAL POSTS ARE TO BE GALVANIZED STEEL.
6. THE EXISTING CONDUIT SHALL BE COUPLED TO THE PROPOSED CONDUIT. THIS WORK SHALL BE INCLUDED IN THE PRICE FOR THE CONDUIT OF THE TYPE SPECIFIED.
7. PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.
8. THE HANDHOLE SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
9. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY TRAFFIC SIGNAL COMPONENTS.
10. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC CONDUIT PUSHED OR TRENCHED.
11. THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED SO THAT THE DOOR IS FACING AWAY FROM TRAFFIC.
12. THE DOUBLE HANDHOLE SHALL NOT BE USED IN LIEU OF THE CONTROLLER FOUNDATION PAD.
13. THE CONTRACTOR MAY ELECT TO PUSH A CONDUIT THAT IS SHOWN TO BE TRENCHED ON THE PLANS. HOWEVER, THIS WORK WILL BE MEASURED FOR PAYMENT AND PAID FOR AS CONDUIT IN TRENCH OF THE TYPE AND SIZE SPECIFIED AND TRENCH AND BACKFILL FOR ELECTRICAL WORK.
14. THE LOCATIONS FOR HANDHOLES, TRAFFIC SIGNAL POST FOUNDATIONS, AND MAST ARM FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
15. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
16. ALL STEEL COMBINATION MAST ARM ASSEMBLIES AND POLES SHALL BE EQUIPPED WITH 12 FT. LUMINIARE ARMS AND HAVE A 45 FT. LUMINIARE MOUNTING HEIGHT.

PEORIA COUNTY HIGHWAY DEPARTMENT

TRAFFIC SIGNAL PLANS

AIRPORT ROAD /PFEIFFER ROAD

SEC. 03-00019-11-FP