

SUMMARY OF QUANTITIES

MAIN STREET AND COLLEGE AVE

PAY CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY TOTAL
72000100	SIGN PANEL - TYPE 1	SQ. FT.	54
80500100	SERVICE INSTALLATION, TYPE A	EACH	1
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	368
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	1572
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	681
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	97
81400100	HANDHOLE	EACH	3
81400300	DOUBLE HANDHOLE	EACH	1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1005
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
86200200	UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	1
87000110	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 2/C NO. 8 AND NO. 10 GROUND	FOOT	2693
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1166
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	791
87301265	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9C	FOOT	282
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 3C	FOOT	379
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	607
87502620	TRAFFIC SIGNAL POST, ALUMINUM, 8 FT.	EACH	2
87502700	TRAFFIC SIGNAL POST, ALUMINUM, 16 FT.	EACH	4
87704110	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)	EACH	4
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	18
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	7
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	44
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	8
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	635
X0326654	ORNAMENTAL LIGHTING UNIT, COMPLETE	EACH	12
X8170245	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 12	FOOT	666
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
X8760250	VIBROTACTILE FEATURE	EACH	8
Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	4
Z0033072	VIDEO VEHICLE DETECTION SYSTEM	EACH	1
	STREET LIGHTING ASSEMBLY, TYPE F1	EACH	8
	STREET LIGHTING ASSEMBLY, TYPE F2	EACH	1

ELECTRICAL GENERAL NOTES:

1. ALL VEHICLE SIGNAL HEADS SHALL BE POLYCARBONATE AND HAVE 12 INCH L.E.D. INDICATIONS. ALL MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. THE CONTROLLER CABINET SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SIEZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.

2. BACKPLATES SHALL BE ABS PLASTIC.

3. THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. POSTS SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLES. ALL MAST ARMS AND POLES SHALL BE GALVANIZED.

4. TRAFFIC SIGNAL MAST ARM ASSEMBLIES SHALL BE DESIGNED FOR THE LOADINGS ON THESE PLANS OR THE HIGHWAY STANDARDS, WHICHEVER IS GREATER.

5. DEPTHS OF CONCRETE FOUNDATIONS FOR MAST ARM SUPPORTS (DETERMINED BY TABLE ON STANDARD 878001-08) ARE:

N.E. CORNER 11'-0" (36" DIA.)
N.W. CORNER 11'-0" (36" DIA.)
S.W. CORNER 11'-0" (36" DIA.)
S.E. CORNER 11'-0" (36" DIA.)

6. ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER, UNLESS OTHERWISE SPECIFIED. FIELD WIRES SHALL BE LANDED AT CONTROLLER OUTPUT TERMINALS USING ILSCO SLU-3S CONNECTORS OR EQUIVALENT.

7. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS TRAFFIC SIGNAL INSTALLATION. AGENCIES KNOWN TO HAVE UNDERGROUND FACILITIES WITHIN THE LIMITS OF THIS IMPROVEMENT ARE THE FOLLOWING: (MEMBER OF J.U.L.I.E. PHONE (800) 892-0123 ARE INDICATED BY *(CALL ONE WEEK BEFORE YOU PLAN TO DIG).

*WATER - CITY OF JACKSONVILLE
*TELEPHONE - FRONTIER COMMUNICATIONS
*GAS & ELECTRIC - AMEREN CIPS
*SANITARY SEWER - CITY OF JACKSONVILLE
*CABLE T.V. - MEDIACOM CABLE

8. THE CONTRACTOR SHALL FABRICATE, DELIVER AND INSTALL 4 STREET NAME SIGNS AT THE SPECIFIED LOCATION. THE SIGNS AND INSTALLATION SHALL CONFORM TO SECTION 720 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STANDARDS 720001-01 AND 720016-02. THE CONTRACTOR SHALL INSTALL THE STREET NAME SIGNS ON THE MAST ARM AS SHOWN ON THE PLANS.

9. CABLE MARKING TAPE SHALL BE INCLUDED WITH THE PAY ITEM "TRENCH AND BACKFILL FOR ELECTRICAL WORK" AND INSTALLED PER ARTICLE 815.03(d) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

FILE NAME =	USER NAME = #USER#	DESIGNED - EF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CITY OF JACKSONVILLE DOWNTOWN STREETS CONSTRUCTION SOUTH MAIN ST & COLLEGE AVE - TRAFFIC SIGNAL	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN - MH	REVISED -			N/A	10-00121-01-PV	MORGAN	77	35	
	PLOT DATE = #DATE#	CHECKED - RS	REVISED -			CONTRACT NO. 3547					
		DATE - 2/21/11	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	