

# SUMMARY OF SIGNAL QUANTITIES

ITEM NO.	PAY CODE NUMBER	ITEMS	UNIT	QUANTITY
				Y031-1F
1	72000200	SIGN PANEL - TYPE 2	SF	40.00
2	80500200	SERVICE INSTALLATION, TYPE B	EA	1.00
3	81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FT	10.00
4	81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FT	59.00
5	81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FT	52.00
6	81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FT	5.00
7	81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FT	65.00
8	81021370	CONDUIT PUSHED, 4" DIA., PVC	FT	335.00
9	81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EA	5.00
10	81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EA	1.00
11	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FT	1,786.00
12	82103400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EA	4.00
13	85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EA	1.00
14	86200200	UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EA	1.00
15	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FT	1,407.00
16	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FT	2,095.00
17	87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FT	15.00
18	87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EA	3.00
19	87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EA	1.00
20	87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EA	2.00
21	87703030	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EA	1.00
22	87800100	CONCRETE FOUNDATION, TYPE A	FT	3.00
23	87800150	CONCRETE FOUNDATION, TYPE C	FT	3.00
24	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FT	43.00
25	87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FT	21.00
26	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3 SECTION, MAST ARM MOUNTED	EA	6.00
27	88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5 SECTION, BRACKET MOUNTED	EA	5.00
28	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5 SECTION, MAST ARM MOUNTED	EA	5.00
29	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EA	1.00
30	89502380	REMOVE EXISTING HANDHOLE	EA	6.00
31	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EA	8.00
32	XX003163	EMERGENCY VEHICLE PRIORITY SYSTEM	EA	1.00
33	X0323481	VIDEO VEHICLE DETECTION, 4 CAMERAS	EA	1.00
34	Z0033084	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1C (GREEN)	FT	536.00

GENERAL NOTES

- CALL J. U. I. L. E. AT (800) 892-0123 AT LEAST 48 HRS PRIOR TO BEGINNING CONSTRUCTION. ALL UTILITIES SHALL BE LOCATED IN THE FIELD AND THE ENGINEER SHALL BE NOTIFIED OF ANY CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
- ALL SIGNING, STRIPING, TRAFFIC SIGNALS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) CURRENT EDITION AND TO THE STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- MAST ARM ASSEMBLIES AND TRAFFIC SIGNAL POSTS SHALL BE GALVANIZED STEEL. SIGNAL HEADS SHALL BE POLYCARBONATE WITH 12" LENSES.
- THE EXISTING AND PROPOSED CONTROLLER CABINET IS LOCATED IN THE NORTHWEST QUADRANT OF THE INTERSECTION. THE CONTRACTOR SHALL COORDINATE WITH COMED ALL WORK ASSOCIATED WITH SERVICE INSTALLATION, TYPE B. ALL COSTS ASSOCIATED WITH ENERGIZING THE NEW CONTROLLER, INCLUDING ANY COMED FEES FOR TRANSFORMER UPGRADES / CHANGES SHALL BE CONSIDERED INCIDENTAL TO THE SERVICE INSTALLATION, TYPE B.
- THE CONTRACTOR SHALL USE EAGLE BRAND EQUIPMENT OR EQUIPMENT COMPATIBLE WITH EAGLE BRAND.
- THE EMERGENCY VEHICLE PRIORITY SYSTEM (EVPS) SHALL BE THE "TOMAR/OPTRONX OPTICAL PRE-EMPTION SYSTEM". THIS TRAFFIC SIGNAL INSTALLATION SHALL INCLUDE DUAL EMERGENCY VEHICLE DETECTORS WITH DUAL CONFIRMATION BEACONS FOR EACH ROADWAY. CONTACT BROWN TRAFFIC PRODUCTS AT 1-800-888-7078 FOR FURTHER INFORMATION IN REGARDS TO THE MANUFACTURER'S INSTALLATION REQUIREMENTS. THE CONTRACTOR SHALL CONFIRM WITH THE JURISDICTIONAL EMERGENCY AGENCY (WEST SUBURBAN FIRE PROTECTION FIRE DISTRICT (815) 964-3441) THAT THE SYSTEM IS COMPATIBLE WITH EXISTING FIRE DISTRICT EMERGENCY EQUIPMENT PRIOR TO INSTALLATION. SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS FOR EVPS.
- THE FOLLOWING VIDEO DETECTION SYSTEMS ARE APPROVED FOR USE IN DISTRICT 2: 1) ITERIS VANTAGE EDGE 2 (4 CAMERA SYSTEM), AND 2) AUTOSCOPE SOLO PRO (4 CAMERA SYSTEM). SEE SPECIAL PROVISIONS FOR ADDITIONAL VIDEO DETECTION SYSTEM REQUIREMENTS. CONTACT BROWN TRAFFIC PRODUCTS AT -800-888-7078 FOR FURTHER INFORMATION REGARDING THE MANUFACTURER'S INSTALLATION REQUIREMENTS.
- PROVIDE TWO CONDUITS FROM THE CONTROLLER TO THE ADJACENT SERVICE POLE. ONE 2" CONDUIT SHALL BE USED FOR POWER AND ONE 1" CONDUIT SHALL BE RESERVED FOR THE TELEPHONE SERVICE.
- SIGN PANELS FOR STREET NAMES SHALL BE 2.5' X 8' AND SHALL BE MOUNTED AS SHOWN ON STANDARD 877001-04.
- FOUNDATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 878001-08.
- SALVAGE EXISTING STREET NAME SIGNS FROM EXISTING MAST ARMS AND RE-INSTALL ON NEW MAST ARMS. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO REMOVING EXISTING TRAFFIC SIGNAL EQUIPMENT. IF THE EXISTING SIGNS BECOME DAMAGED, THE CONTRACTOR SHALL REPLACE THEM AT NO ADDITIONAL COST TO THE CONTRACT.
- THE CONTRACTOR SHALL NOT BEGIN THE REMOVAL OF THE CORNER ISLANDS AND MEDIANS UNTIL ALL NEW TRAFFIC SIGNAL EQUIPMENT AND COMPONENTS ARE DELIVERED AND ON SITE.

MAST ARM EQUIPMENT MOUNTING DETAIL

