



GENERAL NOTES

SUMMARY OF QUANTITIES			
NUMBER	ITEM	UNIT	QUANTITY
80500200	SERVICE INSTALLATION, TYPE B	EA	1
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FT	40
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FT	65
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FT	40
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FT	30
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FT	245
81306500	REMOVE EXISTING JUNCTION BOX	EA	3
81400100	HANDHOLE	EA	1
81400200	HEAVY-DUTY HANDHOLE	EA	4
81400300	DOUBLE HANDHOLE	EA	1
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FT	1485
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FT	130
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FT	1455
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FT	1915
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FT	70
87500600	TRAFFIC SIGNAL POST, 10 FT.	EA	1
87800100	CONCRETE FOUNDATION, TYPE A	FT	3
87800200	CONCRETE FOUNDATION, TYPE D	FT	3
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FT	68
88040090	SIGNAL HEAD, POLYCARB, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EA	8
88040150	SIGNAL HEAD, POLYCARB, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EA	6
88040160	SIGNAL HEAD, POLYCARB, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EA	4
88200100	TRAFFIC SIGNAL BACKPLATE	EA	12
88700200	LIGHT DETECTOR	EA	2
88700300	LIGHT DETECTOR AMP	EA	2
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EA	1
89501100	RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER	EA	1
89501300	RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE	EA	4
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EA	1
89502380	REMOVE EXISTING HANDHOLE	EA	4
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EA	5
X0301023	CONFIRMATION BEACON	EA	2
X0320837	EMERGENCY VEHICLE PRIORITY SYSTEM DUAL DETECTOR UNIT	EA	2
X0935300	MAST ARM, STEEL, MONOTUBE 44 FT.	EA	3
Z0051500	REMOVING AND RESETING (REMount) STREET SIGNS	EA	4
XX001909	ELECTRIC CABLE IN CONDUIT NO. 20 3/C	FT	605
XX002185	RELOCATE EXISTING LIGHT POLE	EA	1
XX003583	VIDEO ELECTRIC CABLE IN CONDUIT, NO. 16 3/C	FT	745
XX003584	VIDEO BELDEN 8281 COAXIAL CABLE IN CONDUIT	FT	745
XX003982	VIDEO VEHICLE DETECTOR SYSTEM	L SUM	1

- CALL J.U.L.L.E. AT LEAST 48 HRS PRIOR TO CONSTRUCTION (800) 892-0123
- ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION
- ALL SIGNING, STRIPING, TRAFFIC SIGNALS AND TRAFFIC CONTROL DEVICES DURING CONSTRUCTION SHALL CONFIRM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) CURRENT EDITION.
- ALL NEW CONSTRUCTION SHALL CONFORM TO THE STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ALL TRAFFIC SIGNAL EQUIPEMENT IS TO BE SPUN ALLUMINIUM OR GALVANISED FINISH EXCEPT FOR SIGNAL HEADS.
- ALL LENSES SHALL BE 12"
- COORDINATE EXECT TYPE AND LOCATION OF SERVICE WITH COMED.
- EAGLE BRAND EQUIPMENT MUST BE USED FOR COMPATIBILITY WITH EXISTING COUNTY EQUIPMENT.
- THE EMERGENCY VEHICLE PRE-EMPTION SYSTEM SHALL BE THE "TOMAR/OPTRONX OPTICAL PRE-EMPTION SYSTEM". THIS TRAFFIC SIGNAL INSTALLATION SHALL INCLUDE ONE SINGLE EMERGENCY VEHICLE DETECTOR WITH SINGLE CONFERMATION BEACON FOR EACH DIRECTION OF TRAFFIC. CONTACT BROWN TRAFFIC PRODUCTS AT 1-800-888-7078 FOR FURTHER INFORMATION IN REGARDS TO THE MANUFACTURER'S INSTALLATION REQUIREMENTS.
- PROVIDE TWO CONDUITS FROM THE CONTROLLER TO THE ADJUCENT SERVICE POLE. THE 2" CONDUIT SHALL BE USED FOR POWER. THE 1" CONDUIT SHALL BE RESERVED FOR THE TELEPHONE SERVICE.
- MAST ARM SHALL BE DESIGNED TO ACCOMMODATE 18"X 72" STREET NAME SIGN. ALL TRAFFIC SIGNAL MOUNTED SIGNS TO BE INSTALLED BY THE CONTRACTOR.
- CONDUIT AND CABLE FOR THE NEW SERVICE SHALL BE PAID UP TO THE BASE OF THE NEW POLE. ALL OTHER MATERIALS SHALL BE INCLUDED IN THE COST OF SERVICE INSTALLATION, TYPE-B.
- CONTRACTOR SHOULD CHECK THE CRITICAL DIMENSIONS OF THE NEW TYPE E FOUNDATIONS, SUCH AS ANCHOR BOLT SIZE AND BOLT CIRCLE WITH THE REUSED COMBINATION MAST ARM ASSEMBLIES BEFORE THE CONSTRUCTION OF THE NEW TYPE E FOUNDATIONS.
- SALVAGE EXISTING STREET NAME SIGNS FROM EXISTING MAST ARMS AND REUSE ON NEW MAST ARMS, COST INCIDENTAL TO TRAFFIC CONTROL COMPLETE.

MAST ARM EQUIPMENT MOUNTING DETAIL

