

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE Y031-1F

| CODE NO. | ITEM | UNIT | Randall Road @ Red Haw Lane | Randall Road @ Crane Road | Randall Road @ Bolcum Road | Randall Road @ Silver Glen Road | Randall Road @ Commercial Entrance | Randall Road @ Thornwood Avenue | Randall Road @ McDonald Road | McDonald Road @ Access Drive | Randall Road @ Gyrr Road | Randall Road @ Hopps Road | Randall Road @ Bowes Road | Randall Road @ College Green Drive | Randall Road @ South Street | Randall Road @ Weld Road | Randall Road @ US 20 Ramps C & D |
|----------|---|--------|-----------------------------|---------------------------|----------------------------|---------------------------------|------------------------------------|---------------------------------|------------------------------|------------------------------|--------------------------|---------------------------|---------------------------|------------------------------------|-----------------------------|--------------------------|----------------------------------|
| 67000400 | ENGINEER'S FIELD OFFICE TYPE A | CAL MO | | | | | | | | | | | | | | | |
| 67100100 | MOBILIZATION | L SUM | | | | | | | | | | | | | | | |
| 70101700 | TRAFFIC CONTROL AND PROTECTION | L SUM | | | | | | | | | | | | | | | |
| 81000600 | CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL | FOOT | | 14 | | | | | | | | | | | | | |
| 81000700 | CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL | FOOT | | 17 | | | | | | | | | | | | | |
| 81000800 | CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL | FOOT | | 39 | | | | | | | | | | | | | |
| 81001000 | CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL | FOOT | | 76 | | | | | | | | | | | | | |
| 81018500 | CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL | FOOT | | | | | | | | | | | | | | | |
| 81018600 | CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL | FOOT | | 167 | | | | | | | | | | | | | |
| 81018700 | CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL | FOOT | | 48 | | | | | | | | | | | | | |
| 81018900 | CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL | FOOT | | 295 | | | | | | | | | | | | | |
| 81100600 | CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL | FOOT | | | | | | | | | | | | | | | |
| 81300810 | JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 8" | EACH | | | | | | | | | | | | | | | |
| 81400100 | HANDHOLE | EACH | | 3 | | | | | | | | | | | | | |
| 81400200 | HEAVY-DUTY HANDHOLE | EACH | | 4 | | | | | | | | | | | | | |
| 81400300 | DOUBLE HANDHOLE | EACH | | 2 | | | | | | | | | | | | | |
| 81700215 | ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 2-1/C NO. 10 | FOOT | | 596 | | | | | | | | | | | | | |
| 81900200 | TRENCH AND BACKFILL FOR ELECTRICAL WORK | FOOT | | 140 | | | | | | | | | | | | | |
| 82103310 | LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 310 WATT | EACH | | 2 | | | | | | | | | | | | | |
| 85000200 | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 85700205 | FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL | EACH | | 1 | | | | | | | | | | | | | |
| 85700305 | FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL | EACH | | | | | | | | | | | | | | | |
| 85700505 | FULL-ACTUATED CONTROLLER IN EXISTING CABINET, SPECIAL | EACH | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 87301215 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | | 141 | | | | | | | | | | | | | |
| 87301225 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | | 159 | | | | | | | | | | | | | |
| 87301245 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | | 3992 | | | | | | | | | | | | | |
| 87301305 | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | | | | | | | | | | 1375 | | | | | |
| 87301805 | ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C | FOOT | | 29 | | | | | | | | | | | | | |
| 87502480 | TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT. | EACH | | 3 | | | | | | | | | | | | | |
| 87700200 | STEEL MAST ARM ASSEMBLY AND POLE, 32 FT. | EACH | | 1 | | | | | | | | | | | | | |
| 87700220 | STEEL MAST ARM ASSEMBLY AND POLE, 36 FT. | EACH | | 1 | | | | | | | | | | | | | |
| 87702930 | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 40 FT. | EACH | | 1 | | | | | | | | | | | | | |
| 87702990 | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 54 FT. | EACH | | 1 | | | | | | | | | | | | | |
| 87800100 | CONCRETE FOUNDATION, TYPE A | FOOT | | 12 | | | | | | | | | | | | | |
| 87800200 | CONCRETE FOUNDATION, TYPE D | FOOT | | 4 | | | | | | | | | | | | | |
| 87800400 | CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER | FOOT | | 30 | | | | | | | | | | | | | |
| 87800415 | CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | | 30 | | | | | | | | | | | | | |
| 87900200 | DRILL EXISTING HANDHOLE | EACH | | | | | | | | | | | | | | | |
| 88030020 | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED | EACH | | 10 | | | | | | | | | | | | | |
| 88030050 | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | | 2 | | | | | | | | | | | | | |
| 88030210 | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED | EACH | | 2 | | | | | | | | | | | | | |
| 88102717 | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | | 2 | | | | | | | | | | | | | |
| 88200210 | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM | EACH | | 10 | | | | | | | | | | | | | |
| 88500100 | INDUCTIVE LOOP DETECTOR | EACH | | | | | | | | | | 2 | | | | | |
| 88800100 | PEDESTRIAN PUSH-BUTTON | EACH | | 2 | | | | | | | | | | | | | |
| 89501410 | RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT | EACH | | | | | | | | | | | | | | | |
| 89502210 | MODIFY EXISTING CONTROLLER CABINET | EACH | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 89502375 | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 89502385 | REMOVE EXISTING CONCRETE FOUNDATION | EACH | | 2 | | | | | | | | | | | | | |
| X0322925 | ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C | FOOT | | | | | | | | | | | | | | | |
| X0325705 | RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL II | EACH | 1 | 1 | 1 | | | | | | | | | | | | |
| X8050015 | SERVICE INSTALLATION - POLE MOUNTED | EACH | | 1 | | | | | | | | | | | | | |
| X8620020 | UNINTERRUPTIBLE POWER SUPPLY | EACH | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | |
| X8730027 | ELECTRIC CABLE IN CONDUIT, GROUND NO. 6 1C | FOOT | | 846 | | | | | | | | | | | | | |
| XX005230 | VIDEO DETECTION SYSTEM (COMPLETE INTERSECTION) | L SUM | | 1 | | | | | | | | | | | | | |
| XX005800 | RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM | EACH | | | | | | | | | | | | | | | |
| XX005940 | REMOTE-CONTROLLED VIDEO SYSTEM | EACH | | | | 1 | | | | | | | | | | | 1 |
| XX006654 | FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F | FOOT | | | | | | | | | | | | | | | |
| Z0076600 | TRAINEES | OUR | | | | | | | | | | | | | | | |
| X0323151 | COMMUNICATION OFFICE MONITORING SYSTEM | L SUM | | | | | | | | | | | | | | | |
| XX007282 | ETHERNET KIT | EACH | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| XX007283 | ETHERNET HUB KIT | EACH | | | | 1 | | | | | | | | | | | 1 |
| XX007284 | CONFLICT MONITOR | EACH | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| XX007285 | MODIFY VIDEO PROCESSING UNIT | EACH | | | | | | | | 1 | | | | | | | |

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SURVEYED BY DATE
 GRADES CHECKED
 PLAN BY DATE
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CHRISTOPHER B. BURKE ENGINEERING LTD.
 3575 West Higgins Road, Suite 600
 Chicago, Illinois 60618
 (847) 823-0500