# OPINION OF PROBABLE COST ESTIMATE
# FOR
# Hillcrest Drive Controller Alternate II
# Balcones Heights, TEXAS

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|---|---|
| **PROJECT NO. :** | **2020-049-01** |
| **DATE :** | **1/22/2020** |
| **SUBMITTAL NO. :** | **Preliminary** |
| **SPECIFICATIONS :** | **COSA** |
| **COMPLETED BY :** | **A.G/J.S.** |
| **CHECKED BY :** | **J.A.C.** |

***Signalization***

| SPEC. ITEM | DESCRIPTION | QUANTITY | UNIT | UNIT PRICE | COST |
|---|---|---|---|---|---|
| 615.1 | TRAFFIC SIGNAL CONTROLLER ASSEMBLY (TYPE 332 CABINET) | 1 | EA | $13,251.54 | $13,251.54 |
| 618.2 | CONDUIT TRENCHED 3 INCH PVC (SCHEDULE 40) | 615 | LF | $24.49 | $15,061.35 |
| 620.1 | ELECTRICAL CONDUCTORS (No. 6) (BARE) | 15 | LF | $1.74 | $26.10 |
| 620.2 | ELECTRICAL CONDUCTORS (No. 8) (BARE) | 425 | LF | $3.80 | $1,615.00 |
| 620.3 | ELECTRICAL CONDUCTORS (No.6) (INSULATED) | 35 | LF | $2.16 | $75.60 |
| 624.3 | GROUND BOXES TYPE D (162922) W/APRON | 1 | EA | $774.12 | $774.12 |
| 633.1 | BATTERY BACKUP SYSTEM | 1 | EA | $7,574.90 | $7,574.90 |
| 655.1 | TYPE 332 CONTROLLER FOUNDATION | 1 | EA | $4,046.78 | $4,046.78 |
| 680.2 | INSTALLATION OF HIGHWAY TRAFFIC SIGNALS ( SYSTEM) | 1 | EA | $10,000.00 | $10,000.00 |
| 682.4 | PEDESTRIAN SIGNAL SECTION (12 INCH) LED (2 IND) | 8 | EA | $411.22 | $3,289.76 |
| 683.1 | LED COUNTDOWN PEDESTRIAN MODULE | 8 | EA | $434.93 | $3,479.44 |
| 684.1 | TRAFFIC SIGNAL CABLES (TYPE A) (14 AWG) (4 COND) | 525 | LF | $1.65 | $866.25 |
| 684.1 | TRAFFIC SIGNAL CABLES (TYPE A) (14 AWG) (9 COND) | 1670 | LF | $2.07 | $3,456.90 |
| 684.1 | TRAFFIC SIGNAL CABLES (TYPE A) (16 AWG) (3 COND) | 1010 | LF | $2.00 | $2,020.00 |
| 688.3 | AUDIBLE PEDESTRIAN SIGNAL UNITS | 8 | EA | $1,234.36 | $9,874.88 |
| 696.01 | RADAR ADVANCE DETECTOR | 4 | EA | $7,100.00 | $28,400.00 |
| 696.02 | RADAR PRESENCE DETECTOR | 4 | EA | $7,100.00 | $28,400.00 |
| 696.03 | RADAR ADVANCE DETECTION DEVICE (RADD) COMMUNICATION AND POWER CABLE | 700 | LF | $3.50 | $2,450.00 |
| 696.04 | RADAR PRESENCE DETECTION DEVICE (RADD) COMMUNICATION AND POWER CABLE | 700 | LF | $3.50 | $2,450.00 |
| 696.12 | INSTALL RADAR DETECTION DEVICE | 1 | EA | $3,000.00 | $3,000.00 |
| | | | | **SIGNALIZATION SUBTOTAL=** | $140,112.62 |

Cost estimates were prepared on the basis of experience and judgment, utilizing historical bid costs for similar work if available. Actual bids and ultimate construction costs may vary based on market conditions, inflation, and unforeseen field conditions. The final determination of construction cost is made through the bidding process with contractor(s).