

| DUDLEY ROAD AND CHARTER OAK ROAD INTERSECTION IMPROVEMENTS |  |          |                 | Engineer's Estimate |              | Riegler Blacktop |              | Eaton Asphalt |              |
|--|--|----------|-----------------|---------------------|--------------|------------------|--------------|---------------|--------------|
| Line Item  | Description  | Quantity | Unit of Measure | Unit Cost           | Total        | Unit Cost        | Total        | Unit Cost     | Total        |
|  | <b>ROADWAY IMPROVEMENTS</b>  |          |                 |                     |              |                  |              |               |              |
| 1  | MOBILIZATION   | 1        | LS              | \$15,000.00         | \$15,000.00  | \$22,000.00      | \$22,000.00  | \$72,750.00   | \$72,750.00  |
| 2  | MAINTENANCE OF TRAFFIC   | 1        | LS              | \$50,000.00         | \$50,000.00  | \$75,000.00      | \$75,000.00  | \$135,000.00  | \$135,000.00 |
| 3  | CLEARING AND GRUBBING , (INCLUDES REMOVAL AND REINSTALLATION OF SIGNS AND MAILBOXES)                                   | 1        | LS              | \$10,000.00         | \$10,000.00  | \$30,000.00      | \$30,000.00  | \$52,000.00   | \$52,000.00  |
| 4  | REMOVE EXISTING PAVEMENT (INCLUDES ASPHALT AND CONCRETE PAVEMENT, DRIVEWAYS, AND SIDEWALKS)                            | 4000     | SY              | \$15.00             | \$60,000.00  | \$29.00          | \$116,000.00 | \$36.00       | \$144,000.00 |
| 5  | SAWCUT AND REMOVE EXISTING WALL  | 10       | LF              | \$20.00             | \$200.00     | \$100.00         | \$1,000.00   | \$100.00      | \$1,000.00   |
| 6  | REMOVE EXISTING CATCH BASIN  | 1        | EA              | \$500.00            | \$500.00     | \$250.00         | \$250.00     | \$1,500.00    | \$1,500.00   |
| 7  | EXCAVATION   | 350      | CY              | \$40.00             | \$14,000.00  | \$50.00          | \$17,500.00  | \$89.00       | \$31,150.00  |
| 8  | EMBANKMENT   | 700      | CY              | \$40.00             | \$28,000.00  | \$50.00          | \$35,000.00  | \$98.00       | \$68,600.00  |
| 9  | SUBGRADE RESHAPING AND COMPACTING  | 4000     | SY              | \$1.50              | \$6,000.00   | \$2.00           | \$8,000.00   | \$5.75        | \$23,000.00  |
| 10   | YARD RESTORATION (4" TOPSOIL, SEED AND   | 2000     | SY              | \$6.00              | \$12,000.00  | \$16.00          | \$32,000.00  | \$21.00       | \$42,000.00  |
| 11   | EROSION & WATER POLLUTION CONTROL  | 1        | LS              | \$5,000.00          | \$5,000.00   | \$1,500.00       | \$1,500.00   | \$10,850.00   | \$10,850.00  |
| 12   | MIRAFI 600X OR EQUIVALENT WOVEN GEOTEXTILE   | 1400     | SY              | \$4.00              | \$5,600.00   | \$2.00           | \$2,800.00   | \$2.50        | \$3,500.00   |
| 13   | 7" CRUSHED STONE BASE  | 1500     | SY              | \$20.00             | \$30,000.00  | \$15.00          | \$22,500.00  | \$28.20       | \$42,300.00  |
| 14   | CRUSHED STONE BASE, (LESS THAN 7% FINES) FOR SUBGRADE REPAIR (INCLUDES EXCAVATION AND DISPOSAL OF UNSUITABLE MATERIAL) | 50       | CY              | \$50.00             | \$2,500.00   | \$60.00          | \$3,000.00   | \$50.00       | \$2,500.00   |
| 15   | DENSE GRADED AGGREGATE (DGA) BASE FOR SUBGRADE REPAIR (INCLUDES EXCAVATION AND DISPOSAL OF UNSUITABLE MATERIAL)        | 150      | CY              | \$50.00             | \$7,500.00   | \$60.00          | \$9,000.00   | \$50.00       | \$7,500.00   |
| 16   | GEOGRID REINFORCEMENT FOR SUBGRADE REPAIR (TENSAR BX 1200 OR EQUIVALENT)   | 300      | SY              | \$3.00              | \$900.00     | \$5.00           | \$1,500.00   | \$5.50        | \$1,650.00   |
| 17   | 8" ASPHALT BASE  | 1400     | SY              | \$45.00             | \$63,000.00  | \$53.00          | \$74,200.00  | \$50.00       | \$70,000.00  |
| 18   | 10-1/2" ASPHALT BASE   | 800      | SY              | \$45.00             | \$36,000.00  | \$69.00          | \$55,200.00  | \$65.00       | \$52,000.00  |
| 19   | 1.5" ASPHALT SURFACE WITH ARAMID FIBER REINFORCEMENT (FORTA-FI OR ACE FIBER OR APPROVED EQUAL)                         | 5800     | SY              | \$10.00             | \$58,000.00  | \$11.85          | \$68,730.00  | \$13.00       | \$75,400.00  |
| 20   | VARIABLE DEPTH ASPHALT LEVELING  | 900      | TON             | \$120.00            | \$108,000.00 | \$105.00         | \$94,500.00  | \$132.00      | \$118,800.00 |
| 21   | 2.5" ASPHALT MILLING   | 3600     | SY              | \$3.50              | \$12,600.00  | \$4.85           | \$17,460.00  | \$4.80        | \$17,280.00  |
| 22   | FULL DEPTH ASPHALT PAVEMENT REPAIR   | 580      | SY              | \$50.00             | \$29,000.00  | \$60.00          | \$34,800.00  | \$72.00       | \$41,760.00  |
| 23   | CURB AND GUTTER (10" THICK) - INCLUDES FLUSH CURB AND GUTTER   | 2400     | LF              | \$40.00             | \$96,000.00  | \$35.00          | \$84,000.00  | \$38.00       | \$91,200.00  |
| 24   | VARIABLE HEIGHT TALL CURB FOR WALL END   | 5        | LF              | \$50.00             | \$250.00     | \$300.00         | \$1,500.00   | \$165.00      | \$825.00     |
| 25   | ASPHALT DRIVEWAY   | 900      | SF              | \$15.00             | \$13,500.00  | \$8.00           | \$7,200.00   | \$17.00       | \$15,300.00  |
| 26   | 6" CONCRETE APRON/DRIVEWAY   | 6000     | SF              | \$15.00             | \$90,000.00  | \$15.00          | \$90,000.00  | \$13.75       | \$82,500.00  |
| 27   | 4" CONCRETE SIDEWALK   | 6300     | SF              | \$12.00             | \$75,600.00  | \$13.00          | \$81,900.00  | \$10.75       | \$67,725.00  |
| 28   | ADA CURB RAMP  | 10       | EA              | \$1,000.00          | \$10,000.00  | \$400.00         | \$4,000.00   | \$400.00      | \$4,000.00   |
| 29   | 8" CONCRETE PAVEMENT   | 100      | SY              | \$75.00             | \$7,500.00   | \$150.00         | \$15,000.00  | \$150.00      | \$15,000.00  |
| 30   | 4" RIGID PERFORATED PVC UNDERDRAIN SYSTEM (INCLUDES TRANSVERSE UNDERDRAINS)  | 900      | LF              | \$15.00             | \$13,500.00  | \$20.00          | \$18,000.00  | \$21.00       | \$18,900.00  |
| 31   | 12" STORM SEWER  | 90       | LF              | \$200.00            | \$18,000.00  | \$125.00         | \$11,250.00  | \$114.00      | \$10,260.00  |

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| Line Item  | Description   | Quantity | Unit of Measure | Unit Cost           | Total       | Unit Cost        | Total        | Unit Cost     | Total        |
| 32   | CONCRETE COLLAR FOR CONNECTION TO EXISTING PIPE   | 1        | EA              | \$500.00            | \$500.00    | \$1,500.00       | \$1,500.00   | \$675.00      | \$675.00     |
| 33   | CORE DRILL INTO EXISTING STORM MANHOLE  | 1        | EA              | \$500.00            | \$500.00    | \$600.00         | \$600.00     | \$2,250.00    | \$2,250.00   |
| 34   | NYLOPLAST IN LINE DRAIN FOR 12" PIPE  | 1        | EA              | \$2,500.00          | \$2,500.00  | \$3,800.00       | \$3,800.00   | \$1,285.00    | \$1,285.00   |
| 35   | DOUBLE GRATED INLET   | 1        | EA              | \$5,000.00          | \$5,000.00  | \$7,500.00       | \$7,500.00   | \$6,000.00    | \$6,000.00   |
| 36   | ADJUST DOUBLE GRATED INLET TO PROPOSED CURB LOCATION  | 3        | EA              | \$500.00            | \$1,500.00  | \$2,500.00       | \$7,500.00   | \$1,500.00    | \$4,500.00   |
| 37   | RELOCATE FIRE HYDRANT   | 1        | EA              | \$5,000.00          | \$5,000.00  | \$5,000.00       | \$5,000.00   | \$3,850.00    | \$3,850.00   |
| 38   | RELOCATE WATER METER  | 2        | EA              | \$1,500.00          | \$3,000.00  | \$850.00         | \$1,700.00   | \$1,825.00    | \$3,650.00   |
| 39   | RELOCATE FLASHING SCHOOL SIGN   | 1        | EA              | \$3,500.00          | \$3,500.00  | \$6,500.00       | \$6,500.00   | \$2,750.00    | \$2,750.00   |
| 40   | INSTALL NEW LED FLASHING PEDSTRIAN CORRSGING SIGN (W11-2 - 30" X 30") WITH SUPPLEMENTAL "AHEAD" SIGN (W16-9P - 24"X12"). FLUORESCENT YELLOW-GREEN | 2        | EA              | \$1,500.00          | \$3,000.00  | \$2,550.00       | \$5,100.00   | \$2,315.00    | \$4,630.00   |
| 41   | PAVEMENT STRIPING - 24" STOP BAR - WHITE THERMOPLASTIC  | 175      | LF              | \$15.00             | \$2,625.00  | \$10.00          | \$1,750.00   | \$10.00       | \$1,750.00   |
| 42   | PAVEMENT STRIPING - 6" CROSSWALK LINE - WHITE THERMOPLASTIC   | 115      | LF              | \$4.00              | \$460.00    | \$5.00           | \$575.00     | \$5.00        | \$575.00     |
| 43   | PAVEMENT STRIPING - 24" CROSSWALK LINE FOR LONGITUDINAL CROSSWALK - WHITE THERMOPLASTIC   | 400      | LF              | \$15.00             | \$6,000.00  | \$10.00          | \$4,000.00   | \$10.00       | \$4,000.00   |
| 44   | PAVEMENT STRIPING - 12" DIAGONAL HATCHING - YELLOW THERMOPLASTIC  | 175      | LF              | \$7.50              | \$1,312.50  | \$5.00           | \$875.00     | \$5.00        | \$875.00     |
| 45   | PAVEMENT STRIPING - THERMOPLASTIC PAVEMENT ARROW  | 27       | EA              | \$200.00            | \$5,400.00  | \$150.00         | \$4,050.00   | \$150.00      | \$4,050.00   |
| 46   | PAVEMENT STRIPING - 4" DOUBLE YELLOW CENTERLINE - YELLOW PAINT  | 3625     | LF              | \$0.30              | \$1,087.50  | \$.38            | \$1,377.50   | \$.38         | \$1,377.50   |
| 47   | PAVEMENT STRIPING - 4" SINGLE WHITE EDGE LINE - WHITE PAINT   | 2600     | LF              | \$0.30              | \$780.00    | \$.20            | \$520.00     | \$.20         | \$520.00     |
| 48   | PAVEMENT STRIPING - 4" DOTTED WHITE LANE DIVIDER - WHITE PAINT  | 40       | LF              | \$0.50              | \$20.00     | \$.20            | \$8.00       | \$.20         | \$8.00       |
| 49   | PAVEMENT STRIPING - 4" SOLID WHITE CHANNELIZATION - WHITE PAINT   | 800      | LF              | \$0.30              | \$240.00    | \$.20            | \$160.00     | \$.20         | \$160.00     |
|  | <b>TRAFFIC SIGNAL POLE BASE</b>   |          |                 |                     |             |                  |              |               |              |
| 50   | MOBILIZATION  | 1        | LS              | \$5,000.00          | \$5,000.00  | \$20,900.00      | \$20,900.00  | \$19,000.00   | \$19,000.00  |
| 51   | MAINTAIN & CONTROL TRAFFIC  | 1        | LS              | \$7,500.00          | \$7,500.00  | \$9,350.00       | \$9,350.00   | \$8,500.00    | \$8,500.00   |
| 52   | BRACKET 25'   | 4        | EA              | \$1,750.00          | \$7,000.00  | \$2,420.00       | \$9,680.00   | \$2,200.00    | \$8,800.00   |
| 53   | LIGHTING CONTROL EQUIPMENT  | 1        | EA              | \$13,500.00         | \$13,500.00 | \$11,000.00      | \$11,000.00  | \$10,000.00   | \$10,000.00  |
| 54   | CONDUIT 2 INCH (INCLUDING TRENCH)   | 90       | LF              | \$15.00             | \$1,350.00  | \$13.20          | \$1,188.00   | \$12.00       | \$1,080.00   |
| 55   | WIRE-NO. 6  | 360      | LF              | \$3.00              | \$1,080.00  | \$2.75           | \$990.00     | \$2.50        | \$900.00     |
| 56   | CABLE-NO. 14/3C   | 660      | LF              | \$3.75              | \$2,475.00  | \$2.20           | \$1,452.00   | \$2.00        | \$1,320.00   |
| 57   | CABLE-NO. 14/5C   | 2180     | LF              | \$4.00              | \$8,720.00  | \$2.20           | \$4,796.00   | \$2.00        | \$4,360.00   |
| 58   | CABLE-NO. 14/7C   | 580      | LF              | \$4.50              | \$2,610.00  | \$2.20           | \$1,276.00   | \$2.00        | \$1,160.00   |
| 59   | STEEL STRAIN POLE   | 4        | EA              | \$15,000.00         | \$60,000.00 | \$27,500.00      | \$110,000.00 | \$25,000.00   | \$100,000.00 |

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|--|---|----------|-----------------|------------------------|------------------------|--------------------------|-------------------------|---------------------------|------------------------|--------------------------|
| Line Item  | Description   | Quantity | Unit of Measure | Unit Cost              | Total                  | Unit Cost                | Total                   | Unit Cost                 | Total                  |                          |
| 60   | SIGNAL PEDESTAL   | 1        | EA              | \$1,200.00             | \$1,200.00             | \$2,750.00               | \$2,750.00              | \$2,500.00                | \$2,500.00             |                          |
| 61   | MESSENGER-15400 LB  | 380      | LF              | \$9.50                 | \$3,610.00             | \$11.00                  | \$4,180.00              | \$10.00                   | \$3,800.00             |                          |
| 62   | PEDESTRIAN DETECTOR   | 4        | EA              | \$400.00               | \$1,600.00             | \$330.00                 | \$1,320.00              | \$300.00                  | \$1,200.00             |                          |
| 63   | SIGNAL-3 SECTION 12"  | 10       | EA              | \$900.00               | \$9,000.00             | \$825.00                 | \$8,250.00              | \$750.00                  | \$7,500.00             |                          |
| 64   | SIGNAL-4 SECTION 12"  | 4        | EA              | \$1,200.00             | \$4,800.00             | \$1,320.00               | \$5,280.00              | \$1,200.00                | \$4,800.00             |                          |
| 65   | ELECTRICAL JUNCTION BOX TYPE A                                    | 1        | EA              | \$1,250.00             | \$1,250.00             | \$2,200.00               | \$2,200.00              | \$2,000.00                | \$2,000.00             |                          |
| 66   | ELECTRICAL JUNCTION BOX TYPE C                                    | 1        | EA              | \$3,500.00             | \$3,500.00             | \$3,850.00               | \$3,850.00              | \$3,500.00                | \$3,500.00             |                          |
| 67   | VIDEO CAMERA (MIOVISION 360)                                      | 2        | EA              | \$17,500.00            | \$35,000.00            | \$16,500.00              | \$33,000.00             | \$15,000.00               | \$30,000.00            |                          |
| 68   | SIGNAL-PEDESTRIAN COUNTDOWN                                       | 8        | EA              | \$850.00               | \$6,800.00             | \$605.00                 | \$4,840.00              | \$550.00                  | \$4,400.00             |                          |
| 69   | SPAN MOUNTED SIGN   | 10       | EA              | \$750.00               | \$7,500.00             | \$357.50                 | \$3,575.00              | \$325.00                  | \$3,250.00             |                          |
| 70   | TRAFFIC SIGNAL POLE BASE  | 19       | CY              | \$1,090.00             | \$20,710.00            | \$550.00                 | \$10,450.00             | \$500.00                  | \$9,500.00             |                          |
| 71   | SIGNAL CONTROLLER (2070LC INTELIGHT WITH 332 CABINET)             | 1        | EA              | \$27,500.00            | \$27,500.00            | \$38,500.00              | \$38,500.00             | \$35,000.00               | \$35,000.00            |                          |
| 72   | LED LUMINAIRE (TYPE C, 250W EQUIVALENT)                           | 4        | EA              | \$1,300.00             | \$5,200.00             | \$770.00                 | \$3,080.00              | \$700.00                  | \$2,800.00             |                          |
| 73   | CENTRAL SYSTEM SOFTWARE UPGRADE*                                  | 1        | LS              | <del>\$50,000.00</del> | <del>\$50,000.00</del> | <del>\$104,940.00</del>  | <del>\$104,940.00</del> | <del>\$95,400.00</del>    | <del>\$95,400.00</del> |                          |
| 74   | REMOVE SIGNAL EQUIPMENT   | 1        | LS              | \$7,500.00             | \$7,500.00             | \$8,250.00               | \$8,250.00              | \$7,500.00                | \$7,500.00             |                          |
| 75   | WIRE NO. 10   | 1680     | LF              | \$2.75                 | \$4,620.00             | \$1.65                   | \$2,772.00              | \$1.50                    | \$2,520.00             |                          |
| 76   | TEMPORARY SIGNALS (INCLUDES WOODEN POLE, CONFIG. 1 AND CONFIG. 2) | 1        | LS              | \$60,000.00            | \$60,000.00            | \$30,800.00              | \$30,800.00             | \$28,000.00               | \$28,000.00            |                          |
| <b>TOTAL</b>   |   |          |                 |                        |                        |                          |                         |                           |                        |                          |
| <b>* - NOT TO BE AWARDED</b>                               |   |          |                 |                        |                        |                          |                         |                           |                        |                          |
| <b>TOTAL BID</b>   |   |          |                 |                        |                        | \$1,279,600.00           |                         | \$1,525,974.50            |                        | \$1,761,945.50           |
| <b>DEDUCT ITEM 73 - CENTRAL SYSTEM SOFTWARE UPGRADE</b>    |   |          |                 |                        |                        | <del>(\$50,000.00)</del> |                         | <del>(\$104,940.00)</del> |                        | <del>(\$95,400.00)</del> |
| <b>RECOMMENDED AWARD AMOUNT</b>                            |   |          |                 |                        |                        | <b>\$1,229,600.00</b>    |                         | <b>\$1,421,034.50</b>     |                        | <b>\$1,666,545.50</b>    |