

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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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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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	\$50,000.00	\$50,000.00	\$104,940.00	\$104,940.00	\$95,400.00	\$95,400.00
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
	TOTAL				\$1,279,600.00		\$1,525,974.50		\$1,761,945.50
	* - NOT TO BE AWARDED								
	TOTAL BID				\$1,279,600.00		\$1,525,974.50		\$1,761,945.50
	DEDUCT ITEM 73 - CENTRAL SYSTEM SOFTWARE UPGRADE				(\$50,000.00)		(\$104,940.00)		(\$95,400.00)
	RECOMMENDED AWARD AMOUNT				\$1,229,600.00		\$1,421,034.50		\$1,666,545.50