

9 Mile Reconstruction Phase 2 - Alternates

Item	Unit	As-Bid			3-lane - Gratiot to Tuscany			3-lane - west of Donald to Tuscany		
		Quantity	Bid Price	Total	Quantity	Bid Price	Total	Quantity	Bid Price	Total
Mobilization, Max	LSUM	1	\$381,000.00	\$381,000.00	1	\$381,000.00	\$381,000.00	1	\$381,000.00	\$381,000.00
Dr Structure, Rem	Ea	69	\$392.00	\$27,048.00	69	\$392.00	\$27,048.00	69	\$392.00	\$27,048.00
Reimbursed Permit Fees	Dir	1000	\$1.00	\$1,000.00	1000	\$1.00	\$1,000.00	1000	\$1.00	\$1,000.00
Sewer, Rem, Less than 24 inch	Ft	2282	\$23.90	\$54,539.80	2282	\$23.90	\$54,539.80	2282	\$23.90	\$54,539.80
Pavf, Rem	Syd	39505	\$8.40	\$331,842.00	39605	\$8.40	\$332,682.00	39505	\$8.40	\$331,842.00
Sidewalk, Rem	Syd	2100	\$10.75	\$22,575.00	2100	\$10.75	\$22,575.00	2100	\$10.75	\$22,575.00
Exploratory Investigation, Vertical	Ft	50	\$80.00	\$4,000.00	50	\$80.00	\$4,000.00	50	\$80.00	\$4,000.00
Gas Main, Abandoned, Rem	Ft	100	\$26.00	\$2,600.00	100	\$26.00	\$2,600.00	100	\$26.00	\$2,600.00
Subgrade Undercutting, Type I	Cyd	200	\$57.00	\$11,400.00	200	\$57.00	\$11,400.00	200	\$57.00	\$11,400.00
Station Grading	Sta	50	\$8,500.00	\$425,000.00	50	\$5,000.00	\$250,000.00	50	\$7,000.00	\$350,000.00
Subgrade Undercutting, Modified	Cyd	500	\$83.50	\$41,750.00	300	\$83.50	\$25,050.00	400	\$83.50	\$33,400.00
Erosion Control, Inlet Filter	Ea	52	\$90.00	\$4,680.00	55	\$90.00	\$4,950.00	52	\$90.00	\$4,680.00
Project Cleanup	LSUM	1	\$1,000.00	\$1,000.00	1	\$1,000.00	\$1,000.00	1	\$1,000.00	\$1,000.00
Aggregate Base, 10 inch	Syd	36350	\$11.35	\$412,572.50	26800	\$11.35	\$304,180.00	32175	\$11.35	\$365,186.25
Maintenance Gravel	Ton	1000	\$25.25	\$25,250.00	1000	\$25.25	\$25,250.00	1000	\$25.25	\$25,250.00
Sewer, CI IV, 12 inch, Tr Det B	Ft	2040	\$103.10	\$210,324.00	2000	\$103.10	\$206,200.00	2020	\$103.10	\$208,262.00
Sewer Bulkhead, 12 inch	Ea	18	\$237.50	\$4,275.00	18	\$237.50	\$4,275.00	18	\$237.50	\$4,275.00
Trench Undercut and Backfill	Cyd	50	\$70.00	\$3,500.00	50	\$70.00	\$3,500.00	50	\$70.00	\$3,500.00
Video Taping Sewer and Culv Pipe	Ft	2055	\$1.00	\$2,055.00	2015	\$1.00	\$2,015.00	2035	\$1.00	\$2,035.00
External Structure Wrap, 18 inch	Ea	130	\$235.00	\$30,550.00	130	\$235.00	\$30,550.00	130	\$235.00	\$30,550.00
Dr Structure Cover, Adj, Case 1	Ea	47	\$525.00	\$24,675.00	47	\$525.00	\$24,675.00	47	\$525.00	\$24,675.00
Dr Structure, 24 inch dia	Ea	7	\$1,390.00	\$9,730.00	7	\$1,390.00	\$9,730.00	7	\$1,390.00	\$9,730.00
Dr Structure, 48 inch dia	Ea	44	\$2,765.00	\$121,660.00	47	\$2,765.00	\$129,955.00	44	\$2,765.00	\$121,660.00
Dr Structure, 36 inch dia	Ea	5	\$2,400.00	\$12,000.00	5	\$2,400.00	\$12,000.00	5	\$2,400.00	\$12,000.00
Dr Structure, Adj, Add Depth	Ft	50	\$445.00	\$22,250.00	50	\$445.00	\$22,250.00	50	\$445.00	\$22,250.00
Dr Structure, Tap, 12 inch	Ea	37	\$440.00	\$16,280.00	37	\$440.00	\$16,280.00	37	\$440.00	\$16,280.00
Catch Basin Cover, Eastpointe	Ea	49	\$610.00	\$29,890.00	52	\$610.00	\$31,720.00	49	\$610.00	\$29,890.00
Dr Structure Trap, 12 inch	Ea	32	\$535.00	\$17,120.00	32	\$535.00	\$17,120.00	32	\$535.00	\$17,120.00
Sanitary Manhole Cover, Eastpointe	Ea	40	\$660.00	\$26,400.00	40	\$660.00	\$26,400.00	40	\$660.00	\$26,400.00
Storm Manhole Cover, Eastpointe	Ea	11	\$610.00	\$6,710.00	11	\$610.00	\$6,710.00	11	\$610.00	\$6,710.00
Underdrain, Subgrade, Open-Graded, 6 inch	Ft	9800	\$9.15	\$89,670.00	10750	\$9.15	\$98,362.50	9960	\$9.15	\$91,134.00
HMA Surface, Rem	Syd	33500	\$2.95	\$98,825.00	33600	\$2.95	\$99,120.00	33500	\$2.95	\$98,825.00
Hand Patching	Ton	20	\$506.00	\$10,120.00	20	\$506.00	\$10,120.00	20	\$506.00	\$10,120.00
Conc Pavf with Integral Curb, Nonreinf, 9 inch	Syd	30800	\$56.35	\$1,735,580.00	21300	\$56.35	\$1,200,255.00	27000	\$56.35	\$1,521,450.00
Joint, Expansion, E3	Ft	1000	\$10.65	\$10,650.00	1000	\$10.65	\$10,650.00	1000	\$10.65	\$10,650.00
Joint, Plane-of-Weakness, W	Ft	5000	\$2.65	\$13,250.00	3500	\$2.65	\$9,275.00	4400	\$2.65	\$11,660.00
Joint, Plane-of-Weakness, W, Intersection	Ft	800	\$3.05	\$2,440.00	500	\$3.05	\$1,525.00	700	\$3.05	\$2,135.00
Pavf Gapping	Ft	250	\$40.00	\$10,000.00	250	\$40.00	\$10,000.00	250	\$40.00	\$10,000.00
Cement	Ton	1	\$220.00	\$220.00	1	\$220.00	\$220.00	1	\$220.00	\$220.00
Lane Tie, Epoxy Anchored	Ea	1175	\$16.00	\$18,800.00	1175	\$16.00	\$18,800.00	1175	\$16.00	\$18,800.00
Driveway, Nonreinf Conc, 6 inch	Syd	70	\$79.90	\$5,593.00	100	\$79.90	\$7,990.00	70	\$79.90	\$5,593.00
Driveway, Nonreinf Conc, 8 inch	Syd	1250	\$86.70	\$108,375.00	3100	\$78.00	\$241,800.00	1600	\$86.70	\$138,720.00
Driveway Opening, Conc, Det M	Ft	138	\$5.00	\$690.00	138	\$5.00	\$690.00	138	\$5.00	\$690.00
Defectable Warning Surface	Ft	400	\$60.00	\$24,000.00	400	\$60.00	\$24,000.00	400	\$60.00	\$24,000.00
Curb Ramp Opening, Conc	Ft	564	\$2.00	\$1,128.00	634	\$2.00	\$1,268.00	600	\$2.00	\$1,200.00
Curb Ramp, Conc, 4 inch	Sft	7600	\$10.70	\$81,320.00	7800	\$10.70	\$83,460.00	7620	\$10.70	\$81,534.00
Curb Ramp, Conc, 8 inch	Sft	2750	\$14.00	\$38,500.00	4300	\$12.00	\$51,600.00	3235	\$14.00	\$45,290.00
Sidewalk, Conc, 4 inch	Sft	6100	\$9.00	\$54,900.00	14250	\$9.00	\$128,250.00	13250	\$9.00	\$119,250.00
Post, Steel, 3 pound	Ft	772	\$9.50	\$7,334.00	772	\$9.50	\$7,334.00	772	\$9.50	\$7,334.00

Sign, Type III, Rem	Ea	30	\$5.00	\$150.00	30	\$5.00	\$150.00	30	\$5.00	\$150.00
Sign, Type IIIB	Sft	80	\$19.00	\$1,520.00	80	\$19.00	\$1,520.00	80	\$19.00	\$1,520.00
Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	Ft	1414	\$6.95	\$9,827.30	1264	\$6.95	\$8,784.80	1339	\$6.95	\$9,306.05
Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar	Ft	654	\$9.95	\$6,507.30	594	\$9.95	\$5,910.30	624	\$9.95	\$6,208.80
Pavt Mrkg, Polyurea, 4 inch, White	Ft	3690	\$1.35	\$4,981.50	1000	\$1.35	\$1,350.00	2490	\$1.35	\$3,361.50
Pavt Mrkg, Polyurea, 4 inch, Yellow	Ft	14316	\$1.35	\$19,326.60	14316	\$1.35	\$19,326.60	14316	\$1.35	\$19,326.60
Recessing Pavt Mrkg, Longit	Ft	18006	\$0.75	\$13,504.50	15306	\$0.75	\$11,479.50	16556	\$0.75	\$12,417.00
Recessing Pavt Mrkg, Transv	Sft	4241	\$2.95	\$12,510.95	4241	\$2.95	\$12,510.95	4241	\$2.95	\$12,510.95
Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	60	\$75.00	\$4,500.00	60	\$75.00	\$4,500.00	60	\$75.00	\$4,500.00
Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	60	\$0.01	\$0.60	60	\$0.01	\$0.60	60	\$0.01	\$0.60
Pedestrian Type II Barricade, Temp	Ea	50	\$85.00	\$4,250.00	50	\$85.00	\$4,250.00	50	\$85.00	\$4,250.00
Minor Traf Devices	LSUM	1	\$12,500.00	\$12,500.00	1	\$12,500.00	\$12,500.00	1	\$12,500.00	\$12,500.00
Plastic Drum, Fluorescent, Furn	Ea	650	\$22.00	\$14,300.00	650	\$22.00	\$14,300.00	650	\$22.00	\$14,300.00
Plastic Drum, Fluorescent, Oper	Ea	650	\$0.01	\$6.50	650	\$0.01	\$6.50	650	\$0.01	\$6.50
Sign, Type B, Temp, Prismatic, Furn	Sft	2000	\$5.00	\$10,000.00	2000	\$5.00	\$10,000.00	2000	\$5.00	\$10,000.00
Sign, Type B, Temp, Prismatic, Oper	Sft	2000	\$0.01	\$20.00	2000	\$0.01	\$20.00	2000	\$0.01	\$20.00
Sign, Type B, Temp, Prismatic, Spec, Furn	Sft	10	\$10.00	\$100.00	10	\$10.00	\$100.00	10	\$10.00	\$100.00
Sign, Type B, Temp, Prismatic, Spec, Oper	Sft	10	\$0.01	\$0.10	10	\$0.01	\$0.10	10	\$0.01	\$0.10
Traf Regulator Control	LSUM	1	\$12,500.00	\$12,500.00	1	\$12,500.00	\$12,500.00	1	\$12,500.00	\$12,500.00
Sodding	Syd	5200	\$6.25	\$32,500.00	13000	\$5.50	\$71,500.00	9200	\$6.25	\$57,500.00
Water, Sodding/Seeding	Unit	250	\$20.00	\$5,000.00	450	\$20.00	\$9,000.00	350	\$20.00	\$7,000.00
Topsoil Surface, Furn, 3 inch	Syd	5200	\$8.40	\$43,680.00	13000	\$7.00	\$91,000.00	9200	\$8.40	\$77,280.00
Irrigation Pipe	Ft	500	\$2.50	\$1,250.00	500	\$2.50	\$1,250.00	500	\$2.50	\$1,250.00
Sprinkler Head	Ea	50	\$50.00	\$2,500.00	50	\$50.00	\$2,500.00	50	\$50.00	\$2,500.00
Audio-Visual Record of the Construction Influence Area	LSUM	1	\$2,000.00	\$2,000.00	1	\$2,000.00	\$2,000.00	1	\$2,000.00	\$2,000.00
Aggregate Base, 6 inch	Syd	355	\$10.00	\$3,550.00	585	\$10.00	\$5,850.00	485	\$10.00	\$4,850.00
Sidewalk, Conc, 6 inch	Sft	800	\$10.30	\$8,240.00	800	\$10.30	\$8,240.00	800	\$10.30	\$8,240.00
HMA, 36A	Ton	61	\$454.00	\$27,694.00	61	\$454.00	\$27,694.00	61	\$454.00	\$27,694.00
Curb and Gutter, Conc, Det F2	Ft	100	\$25.00	\$2,500.00	100	\$25.00	\$2,500.00	100	\$25.00	\$2,500.00
Sewer, 12 inch, Grout Solid	Ft	154	\$32.00	\$4,928.00	154	\$32.00	\$4,928.00	154	\$32.00	\$4,928.00
Sign, Type III, Erect, Salv	Ea	63	\$50.00	\$3,150.00	63	\$50.00	\$3,150.00	63	\$50.00	\$3,150.00
Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	Ea	8	\$250.00	\$2,000.00	8	\$250.00	\$2,000.00	8	\$250.00	\$2,000.00
Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	Ea	4	\$250.00	\$1,000.00	4	\$250.00	\$1,000.00	4	\$250.00	\$1,000.00
Sidewalk, Clay Brick Pavers	Sft	7150	\$12.00	\$85,800.00	0	\$12.00	\$0.00	7150	\$12.00	\$85,800.00
Sidewalk, Clay Brick Pavers, Rem	Sft	3850	\$2.00	\$7,700.00	3850	\$2.00	\$7,700.00	3850	\$2.00	\$7,700.00
Curb and Gutter, Rem	Ft	95	\$15.80	\$1,501.00	95	\$15.80	\$1,501.00	95	\$15.80	\$1,501.00
Pedestrian Type II Channelizer, Temp	Ft	150	\$15.00	\$2,250.00	150	\$15.00	\$2,250.00	150	\$15.00	\$2,250.00
Lighted Arrow, Type C, Furn	Ea	6	\$500.00	\$3,000.00	6	\$500.00	\$3,000.00	6	\$500.00	\$3,000.00
Lighted Arrow, Type C, Oper	Ea	6	\$0.01	\$0.06	6	\$0.01	\$0.06	6	\$0.01	\$0.06
Aggregate Base, 4 inch	Syd	83	\$9.00	\$747.00	83	\$9.00	\$747.00	83	\$9.00	\$747.00
Sanitary Manhole, 48 inch dia	Ea	1	\$5,000.00	\$5,000.00	1	\$5,000.00	\$5,000.00	1	\$5,000.00	\$5,000.00
Sewer Bulkhead, 12 inch, Temp	Ea	4	\$240.00	\$960.00	4	\$240.00	\$960.00	4	\$240.00	\$960.00
Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	Ft	2500	\$3.10	\$7,750.00	2500	\$3.10	\$7,750.00	2500	\$3.10	\$7,750.00
Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	Ft	23000	\$3.10	\$71,300.00	23000	\$3.10	\$71,300.00	23000	\$3.10	\$71,300.00
Case Sign Panel, Rem	Ea	8	\$245.84	\$1,966.72	8	\$245.84	\$1,966.72	8	\$245.84	\$1,966.72
Case Sign Panel	Ea	4	\$357.42	\$1,429.68	4	\$357.42	\$1,429.68	4	\$357.42	\$1,429.68
TS Face, Bag	Ea	8	\$296.64	\$2,373.12	8	\$296.64	\$2,373.12	8	\$296.64	\$2,373.12
TS Face, Bag, Rem	Ea	8	\$207.10	\$1,656.80	8	\$207.10	\$1,656.80	8	\$207.10	\$1,656.80
TS Head, Temp	Ea	8	\$1,257.99	\$10,063.92	8	\$1,257.99	\$10,063.92	8	\$1,257.99	\$10,063.92
Case Sign Panel, Salv	Ea	4	\$245.84	\$983.36	4	\$245.84	\$983.36	4	\$245.84	\$983.36
Non Haz Contaminated Material Handling and Disposal	Cyd	250	\$25.00	\$6,250.00	250	\$25.00	\$6,250.00	250	\$25.00	\$6,250.00
Conc Pavt, Misc, Nonreinf, 8 inch	Syd	1500	\$69.25	\$103,875.00	2600	\$69.25	\$180,050.00	1600	\$69.25	\$110,800.00
Conc Pavt, Misc, Nonreinf, 9 inch	Syd	3600	\$73.30	\$263,880.00	4025	\$73.30	\$295,032.50	4025	\$73.30	\$295,032.50

Dr Structure, Tap, 8 inch	Ea	1	\$430.00	\$430.00	1	\$430.00	\$430.00	1	\$430.00	\$430.00
Sewer, Sch40 PVC, 8 inch, Tr Det B	Ft	15	\$100.00	\$1,500.00	15	\$100.00	\$1,500.00	15	\$100.00	\$1,500.00
Monument Box	Ea	1	\$400.00	\$400.00	1	\$400.00	\$400.00	1	\$400.00	\$400.00
Gate Well Cover, Adj, Case 1	Ea	2	\$315.00	\$630.00	2	\$315.00	\$630.00	2	\$315.00	\$630.00
Temp Sewer Connection, 12 inch, Tr Det B	Ft	29	\$105.00	\$3,045.00	29	\$105.00	\$3,045.00	29	\$105.00	\$3,045.00
Aggregate Base, 8 inch	Syd	1700	\$10.75	\$18,275.00	4675	\$10.75	\$50,256.25	2250	\$10.75	\$24,187.50
Aggregate Base, 9 inch	Syd	275	\$10.80	\$2,970.00	275	\$10.80	\$2,970.00	275	\$10.80	\$2,970.00
Conc Base Cse, Nonreinf, 9 inch	Syd	275	\$83.45	\$22,948.75	275	\$83.45	\$22,948.75	275	\$83.45	\$22,948.75
Sidewalk, Conc, 8 inch	Sft	600	\$11.30	\$6,780.00	600	\$11.30	\$6,780.00	600	\$11.30	\$6,780.00
Conc Pavt, Misc, Nonreinf, 6 inch	Syd	360	\$81.40	\$29,304.00	500	\$81.40	\$40,700.00	500	\$81.40	\$40,700.00
HMA Surface, 4 inch	Ton	19	\$614.00	\$11,666.00	19	\$614.00	\$11,666.00	19	\$614.00	\$11,666.00
Sewer Bulkhead, 8 inch	Ea	3	\$250.00	\$750.00	3	\$250.00	\$750.00	3	\$250.00	\$750.00
Sewer Bulkhead, 10 inch	Ea	1	\$230.00	\$230.00	1	\$230.00	\$230.00	1	\$230.00	\$230.00
Tree, Rem, 6 inch to 18 inch	Ea	18	\$350.00	\$6,300.00	18	\$350.00	\$6,300.00	18	\$350.00	\$6,300.00
Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	Ft	1658	\$3.50	\$5,803.00	1658	\$3.50	\$5,803.00	1658	\$3.50	\$5,803.00
Temp 12 inch Storm Connection	Ea	6	\$500.00	\$3,000.00	6	\$500.00	\$3,000.00	6	\$500.00	\$3,000.00
Gate Box, Adj, Case 1	Ea	25	\$215.00	\$5,375.00	25	\$215.00	\$5,375.00	25	\$215.00	\$5,375.00
Aggregate Base, 6 inch	Syd	176	\$10.00	\$1,760.00	0	\$10.00	\$0.00	0	\$10.00	\$0.00
Conc Pavt, Misc, Nonreinf, 6 inch	Syd	176	\$81.40	\$14,326.40	0	\$81.40	\$0.00	0	\$81.40	\$0.00
Dr Structure, Tap, 6 inch	Ea	2	\$270.00	\$540.00	2	\$270.00	\$540.00	2	\$270.00	\$540.00
Curb Ramp, Conc, 6 inch	Sft	60	\$11.95	\$717.00	60	\$11.95	\$717.00	60	\$11.95	\$717.00
Utility Structure Cover, Adj, Case 1	Ea	3	\$315.00	\$945.00	3	\$315.00	\$945.00	3	\$315.00	\$945.00
Utility Structure Cover, Adj, Case 2	Ea	1	\$315.00	\$315.00	1	\$315.00	\$315.00	1	\$315.00	\$315.00
Sign, Type IIIA	Sft	145	\$19.00	\$2,755.00	145	\$19.00	\$2,755.00	145	\$19.00	\$2,755.00
Pavt Mrkg, Ovly Cold Plastic, 12 inch, Cross Hatching, Yellow	Ft	167	\$6.95	\$1,160.65	167	\$6.95	\$1,160.65	167	\$6.95	\$1,160.65
Gate Well Cover, Adj, Case 2	Ea	1	\$315.00	\$315.00	1	\$315.00	\$315.00	1	\$315.00	\$315.00
Gate Box, Adj, Case 2	Ea	2	\$215.00	\$430.00	2	\$215.00	\$430.00	2	\$215.00	\$430.00
Rem Curing Compound, for Longit Mrkg, 4 inch	Ft	18006	\$0.85	\$15,305.10	15306	\$0.85	\$13,010.10	16556	\$0.85	\$14,072.60
Rem Curing Compound, for Spec Mrkg	Sft	4217	\$2.00	\$8,434.00	4217	\$2.00	\$8,434.00	4217	\$2.00	\$8,434.00
Light Std Fdn, Rem	Ea	3	\$250.00	\$750.00	3	\$250.00	\$750.00	3	\$250.00	\$750.00
Embankment, CIP		0	\$25.00	\$0.00	3150	\$25.00	\$78,750.00	1600	\$25.00	\$40,000.00
ESTIMATED TOTAL				\$5,607,215.21			\$5,218,115.56			\$5,498,046.81

Items of Significant Change Due to Road Diet Alternatives

Estimate does not consider:
Additional Engineering Design
Modifications to Traffic Signal Layout
Additional Streetscape Improvements
Additional Crosswalks
Street Lighting