

APPENDIX E

COST ESTIMATES



Depot Street Lot Short Term

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
Parking Directional Signs	2	each	\$250.00	\$500.00	
Light Pole	2	each	\$1,100.00	\$2,200.00	
Bracket Arm	2	each	\$450.00	\$900.00	
Luminaire	2	each	\$200.00	\$400.00	
			Subtotal	\$4,000.00	
Contingency	20%	of subtotal		\$800.00	
GRAND TOTAL				\$4,800.00	

Depot Street Lot Medium Term

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
Common Excavation	18000	sq ft	\$0.89	\$16,020.00	1 foot deep
Crushed Gravel	18000	sq ft	\$0.35	\$6,320.60	4" deep
Gravel	18000	sq ft	\$0.24	\$4,293.33	4" deep
LIGHTING	2	each	\$3,000.00	\$6,000.00	
VERTICAL GRANITE CURB	200	lf	\$27.18	\$5,436.00	
Grass Seed	4	1000 sq ft	\$17.33	\$69.32	400 sq ft per lb
Fertilizer	4	1000 sq ft	\$4.23	\$16.92	400 sq ft per lb
Signs	4	Each	\$250.00	\$1,000.00	400 sq ft per lb
			Subtotal	\$39,156.17	
Drainage	0%	of subtotal		\$0.00	
Water Pollution Control	0%	of subtotal		\$0.00	
Utilities	0%	of subtotal		\$0.00	
			Subtotal	\$39,156.17	
Preliminary Engineering	5%	of subtotal		\$5,783.55	
Right-Of-Way	0%	of subtotal		\$0.00	
Contingency	5%	of subtotal		\$5,783.55	
Mobilization	2%	of subtotal		\$2,313.42	
Construction Engineering	5%	of subtotal		\$5,783.55	
GRAND TOTAL				\$58,820.24	

Depot Street Lot Long Term Alternative 1

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
Common Excavation	18000	sq ft	\$0.89	\$16,000.00	1 foot deep
Crushed Gravel	18000	sq ft	\$0.35	\$6,320.60	4" deep
Gravel	18000	sq ft	\$0.24	\$4,293.33	4" deep
SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	18000	sq ft	\$0.98	\$17,600.00	220 lbs per sq. yd, \$80/ton
LIGHTING	6	each	\$3,000.00	\$18,000.00	
EMERGENCY CALL BOX	1	each	\$5,000.00	\$5,000.00	
VERTICAL GRANITE CURB	1130	linear ft	\$27.18	\$30,713.40	
Grass Seed	8.26	1000 sq ft	\$17.33	\$143.15	400 sq ft per lb
Fertilizer	8.26	1000 sq ft	\$4.23	\$34.94	400 sq ft per lb
Trees	3	each	\$188.30	\$564.90	
Striping (lines)	860	linear ft	\$0.19	\$163.40	4" white line
Striping (arrows)	2	each	\$15.19	\$30.38	
			Subtotal	\$98,864.10	
Drainage	10%	of subtotal		\$9,886.41	
Water Pollution Control	2%	of subtotal		\$1,977.28	
Utilities	5%	of subtotal		\$4,943.20	
			Subtotal	\$115,671.00	
Preliminary Engineering	15%	of subtotal		\$17,350.65	
Right-Of-Way	5%	of subtotal		\$5,783.55	
Contingency	15%	of subtotal		\$17,350.65	
Mobilization	8%	of subtotal		\$9,675.32	
Construction Engineering	13%	of subtotal		\$14,458.87	
GRAND TOTAL				\$179,290.04	

Depot Street Lot Long Term Alternative 3

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
Common Excavation	19100	sq ft	\$0.89	\$16,977.78	1 foot deep
Crushed Gravel	19100	sq ft	\$0.35	\$6,706.86	4" deep
Gravel	19100	sq ft	\$0.24	\$4,555.70	4" deep
SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	19100	sq ft	\$0.98	\$18,675.56	220 lbs per sq. yd, \$80/ton
LIGHTING	6	each	\$3,000.00	\$18,000.00	
EMERGENCY CALL BOX	1	each	\$5,000.00	\$5,000.00	
VERTICAL GRANITE CURB	1100	linear ft	\$27.18	\$29,898.00	
Grass Seed	7.8	1000 sq ft	\$17.33	\$135.17	400 sq ft per lb
Fertilizer	7.8	1000 sq ft	\$4.23	\$32.99	400 sq ft per lb
Trees	3	each	\$188.30	\$564.90	
Striping (lines)	980	linear ft	\$0.19	\$186.20	4" white line
Striping (arrows)	2	each	\$15.19	\$30.38	
			Subtotal	\$100,763.54	
Drainage	10%	of subtotal		\$10,076.35	
Water Pollution Control	2%	of subtotal		\$2,015.27	
Utilities	5%	of subtotal		\$5,038.18	
			Subtotal	\$117,893.35	
Preliminary Engineering	15%	of subtotal		\$17,684.00	
Right-Of-Way	5%	of subtotal		\$5,894.67	
Contingency	15%	of subtotal		\$17,684.00	
Mobilization	8%	of subtotal		\$8,842.00	
Construction Engineering	13%	of subtotal		\$14,736.67	
GRAND TOTAL				\$182,734.69	

Depot Street Lot Long Term Alternative 4

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
Common Excavation	16000	sq ft	\$0.89	\$14,222.22	1 foot deep
Crushed Gravel	16000	sq ft	\$0.35	\$5,618.31	4" deep
Gravel	16000	sq ft	\$0.24	\$3,816.30	4" deep
SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	16000	sq ft	\$0.98	\$15,644.44	220 lbs per sq. yd, \$80/ton
LIGHTING	6	each	\$3,000.00	\$18,000.00	
EMERGENCY CALL BOX	1	each	\$5,000.00	\$5,000.00	
VERTICAL GRANITE CURB	900	linear ft	\$27.18	\$24,462.00	
5-foot wide concrete walk with no curb	100	linear ft	\$87.00	\$8,700.00	
Grass Seed	11.1	1000 sq ft	\$17.33	\$192.36	400 sq ft per lb
Fertilizer	11.1	1000 sq ft	\$4.23	\$46.95	400 sq ft per lb
Trees	13	each	\$188.30	\$2,447.90	
Striping (lines)	940	linear ft	\$0.19	\$178.60	4" white line
Striping (arrows)	2	each	\$15.19	\$30.38	
<i>Subtotal</i>				\$98,359.47	
Drainage	10%	of subtotal		\$9,835.95	
Water Pollution Control	2%	of subtotal		\$1,967.19	
Utilities	5%	of subtotal		\$4,917.97	
<i>Subtotal</i>				\$115,080.58	
Preliminary Engineering	15%	of subtotal		\$17,262.09	
Right-Of-Way	5%	of subtotal		\$5,754.03	
Contingency	15%	of subtotal		\$17,262.09	
Mobilization	8%	of subtotal		\$8,631.04	
Construction Engineering	12.5%	of subtotal		\$14,385.07	
GRAND TOTAL				\$178,374.90	

Depot Street Lot Long Term Alternative 2

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
Common Excavation	18600	sq ft	\$0.89	\$16,533.33	1 foot deep
Crushed Gravel	18600	sq ft	\$0.35	\$6,531.29	4" deep
Gravel	18600	sq ft	\$0.24	\$4,436.44	4" deep
SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	18600	sq ft	\$0.98	\$18,186.67	220 lbs per sq. yd, \$80/ton
LIGHTING	6	each	\$3,000.00	\$18,000.00	
EMERGENCY CALL BOX	1	each	\$5,000.00	\$5,000.00	
VERTICAL GRANITE CURB	1120	linear ft	\$27.18	\$30,441.60	
Grass Seed	9.36	1000 sq ft	\$17.33	\$162.21	400 sq ft per lb
Fertilizer	9.36	1000 sq ft	\$4.23	\$39.59	400 sq ft per lb
Trees	4	each	\$188.30	\$753.20	
Striping (lines)	920	linear ft	\$0.19	\$174.80	4" white line
Striping (arrows)	2	each	\$15.19	\$30.38	
<i>Subtotal</i>				\$100,289.51	
Drainage	10%	of subtotal		\$10,028.95	
Water Pollution Control	2%	of subtotal		\$2,005.79	
Utilities	5%	of subtotal		\$5,014.48	
<i>Subtotal</i>				\$117,338.73	
Preliminary Engineering	15%	of subtotal		\$17,600.81	
Right-Of-Way	5%	of subtotal		\$5,866.94	
Contingency	15%	of subtotal		\$17,600.81	
Mobilization	8%	of subtotal		\$8,800.40	
Construction Engineering	13%	of subtotal		\$14,667.34	
GRAND TOTAL				\$181,875.03	

Depot Street On-Street

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
Striping (lines)	170	linear ft	\$0.19	\$32.30	4" white line
<i>Subtotal</i>				\$32.30	
Contingency	15%	of subtotal		\$4.85	
GRAND TOTAL				\$37.15	
Minimum project cost				\$500	

East Main St Short Term

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
VERTICAL GRANITE CURB	70	linear ft	\$27.18	\$1,902.60	Bulbout
Grass Seed	0.4	1000 sq ft	\$17.33	\$6.93	Bulbout
Fertilizer	0.4	1000 sq ft	\$4.23	\$1.69	Bulbout
Striping (lines)	1420	linear ft	\$0.50	\$710.00	4" white line
<i>Subtotal</i>				\$2,621.22	
Preliminary Engineering	15%	of subtotal		\$393.18	
Right-Of-Way	0%	of subtotal		\$0.00	
Contingency	50%	of subtotal		\$1,310.61	Used high % because this is a small area
Traffic Control	15%	of subtotal		\$393.18	State route
Mobilization	8%	of subtotal		\$196.59	
Construction Engineering	13%	of subtotal		\$327.65	
GRAND TOTAL				\$3,331.22	

East Main St Long Term

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
Sidewalk Removal	5250	sq ft	\$2.27	\$11,917.50	
VERTICAL GRANITE CURB	70	linear ft	\$27.18	\$1,902.60	
5-foot wide concrete sidewalk with granite curb	1050	linear ft	\$140.00	\$147,000.00	
Grass Seed	0.3	1000 sq ft	\$17.33	\$5.20	400 sq ft per lb
Fertilizer	0.3	1000 sq ft	\$4.23	\$1.27	400 sq ft per lb
Striping (lines)	1420	linear ft	\$0.19	\$269.80	4" white line
<i>Subtotal</i>				\$161,096.37	
Preliminary Engineering	15%	of subtotal		\$24,164.46	
Right-Of-Way	5%	of subtotal		\$8,054.82	
Contingency	15%	of subtotal		\$24,164.46	
Traffic Control	15%	of subtotal		\$24,164.46	State route
Mobilization	8%	of subtotal		\$12,082.23	
Construction Engineering	13%	of subtotal		\$20,137.05	
GRAND TOTAL				\$261,946.33	

Bridge Street Pleasant Street to Railroad Tracks

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
Common Excavation	1280	sq ft	\$0.89	\$1,137.78	Roadway area for parking spaces - 1 foot deep
Crushed Gravel	1280	sq ft	\$0.35	\$449.46	Roadway area for parking spaces - 4" deep
Gravel	1280	sq ft	\$0.24	\$305.30	Roadway area for parking spaces - 4" deep
SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	1280	sq ft	\$0.98	\$1,251.56	Roadway area for parking spaces - 220 lbs per sq. yd, \$80/ton
5-foot wide concrete sidewalk with granite curb	160	linear ft	\$140.00	\$22,400.00	
Retaining Wall	160	linear ft	\$200.00	\$32,000.00	
Striping (lines)	250	linear ft	\$0.50	\$125.00	4" white line
REMOVAL OF EXISTING PAVEMENT MARKINGS	160	sq ft	\$1.18	\$188.80	1880 sq ft of 6" line
Restripe centerline	160	linear ft	\$0.07	\$11.20	6" yellow line
Restripe west edge line	160	linear ft	\$0.07	\$11.20	6" white line
<i>Subtotal</i>				\$57,880.30	
Preliminary Engineering	15%	of subtotal		\$8,682.05	
Right-Of-Way	5%	of subtotal		\$2,894.02	
Contingency	15%	of subtotal		\$8,682.05	Local route
Traffic Control	8%	of subtotal		\$4,630.42	
Mobilization	8%	of subtotal		\$4,341.02	
Construction Engineering	13%	of subtotal		\$7,235.04	
GRAND TOTAL				\$94,344.89	

Bridge Street Railroad Tracks to Town Hall

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
5-foot wide concrete sidewalk with granite curb	520	linear ft	\$140.00	\$72,800.00	
Retaining Wall	0	linear ft	\$200.00	\$0.00	
Striping (lines)	650	linear ft	\$0.50	\$325.00	4" white line
REMOVAL OF EXISTING PAVEMENT MARKINGS	520	sq ft	\$1.18	\$613.60	1880 sq ft of 6" line
Restripe centerline	520	linear ft	\$0.07	\$36.40	6" yellow line
Restripe west edge line	520	linear ft	\$0.07	\$36.40	6" white line
<i>Subtotal</i>				\$73,811.40	
Preliminary Engineering	15%	of subtotal		\$11,071.71	
Right-Of-Way	5%	of subtotal		\$3,690.57	
Contingency	15%	of subtotal		\$11,071.71	Local route
Traffic Control	8%	of subtotal		\$5,904.91	
Mobilization	8%	of subtotal		\$5,535.86	
Construction Engineering	13%	of subtotal		\$9,226.43	
GRAND TOTAL				\$120,312.58	

Bridge Street Alley Lot Alternative 1

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
Common Excavation	13500	sq ft	\$24.00	\$12,000.00	
Crushed Gravel	13500	sq ft	\$28.73	\$4,740.45	
Gravel	13500	sq ft	\$19.32	\$3,220.00	
SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	13500	sq ft	\$80/ton	\$13,200.00	
5-foot wide concrete sidewalk with granite curb	450	linear ft	\$140.00	\$63,000.00	
Striping (lines)	620	linear ft	\$0.19	\$117.80	4" white line
Striping (arrows)	9	each	\$15.19	\$136.71	
<i>Subtotal</i>				\$96,414.96	
Drainage	10%	of subtotal		\$9,641.50	
Water Pollution Control	2%	of subtotal		\$1,928.30	
Utilities	5%	of subtotal		\$4,820.75	
<i>Subtotal</i>				\$112,805.50	
Preliminary Engineering	15%	of subtotal		\$16,920.83	
Right-Of-Way	5%	of subtotal		\$5,640.28	
Contingency	15%	of subtotal		\$16,920.83	
Mobilization	8%	of subtotal		\$8,460.41	
Construction Engineering	13%	of subtotal		\$14,100.69	
GRAND TOTAL				\$174,848.53	

Bridge Street Alley Lot Alternative 2

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
Common Excavation	14000	sq ft	\$24.00	\$12,444.44	
Crushed Gravel	14000	sq ft	\$28.73	\$4,916.02	
Gravel	14000	sq ft	\$19.32	\$3,339.26	
SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	14000	sq ft	\$80/ton	\$13,688.89	
5-foot wide concrete sidewalk with granite curb	410	linear ft	\$140.00	\$57,400.00	
Striping (lines)	480	linear ft	\$0.19	\$91.20	4" white line
Striping (arrows)	7	each	\$15.19	\$106.33	
<i>Subtotal</i>				\$91,986.14	
Drainage	10%	of subtotal		\$9,198.61	
Water Pollution Control	2%	of subtotal		\$1,839.72	
Utilities	5%	of subtotal		\$4,599.31	
<i>Subtotal</i>				\$107,623.79	
Preliminary Engineering	15%	of subtotal		\$16,143.57	
Right-Of-Way	5%	of subtotal		\$5,381.19	
Contingency	15%	of subtotal		\$16,143.57	
Mobilization	8%	of subtotal		\$8,071.78	
Construction Engineering	13%	of subtotal		\$13,452.97	
GRAND TOTAL				\$166,816.87	

Bridge Street Alley Lot Alternative 3 - Park and Pedestrian Path

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
8-foot wide concrete walk with no curb	720	sq ft	\$140.00	\$100,800.00	
Grass Seed	8.1	1000 sq ft	\$17.33	\$140.37	400 sq ft per lb
Fertilizer	8.1	1000 sq ft	\$4.23	\$34.26	400 sq ft per lb
Trees	10	each	\$188.30	\$1,883.00	
<i>Subtotal</i>				\$102,857.64	
Drainage	10%	of subtotal		\$10,285.76	
Water Pollution Control	2%	of subtotal		\$2,057.15	
Utilities	5%	of subtotal		\$5,142.88	
<i>Subtotal</i>				\$120,343.43	
Preliminary Engineering	15%	of subtotal		\$18,051.52	
Right-Of-Way	5%	of subtotal		\$6,017.17	
Contingency	15%	of subtotal		\$18,051.52	
Mobilization	8%	of subtotal		\$9,025.76	
Construction Engineering	13%	of subtotal		\$15,042.93	
GRAND TOTAL				\$186,532.32	

Jericho Road Short Term - In front of Laundromat

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
Striping (lines)	210	linear ft	\$0.50	\$105.00	4" white line
<i>Subtotal</i>				\$105.00	
Preliminary Engineering	15%	of subtotal		\$15.75	
Right-Of-Way	5%	of subtotal		\$5.25	
Contingency	15%	of subtotal		\$15.75	
Traffic Control	0%	of subtotal		\$0.00	Local route
Mobilization	8%	of subtotal		\$7.88	
Construction Engineering	13%	of subtotal		\$13.13	
GRAND TOTAL				\$162.75	
			Minimum project cost	\$1,000	

Jericho Road Medium Term - In front of Apartment Building

Feature	Amount	Unit	Cost per Unit	Total	Assumptions
Sidewalk Removal	1150	sq ft	\$2.27	\$2,610.50	
5-foot wide concrete sidewalk with granite curb	230	linear ft	\$140.00	\$32,200.00	
Common Excavation	920	sq ft	\$0.89	\$817.78	Roadway area for parking spaces - 1 foot deep
Crushed Gravel	920	sq ft	\$0.35	\$323.05	Roadway area for parking spaces - 4" deep
Gravel	920	sq ft	\$0.24	\$219.44	Roadway area for parking spaces - 4" deep
SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	920	sq ft	\$0.98	\$899.56	Roadway area for parking spaces - 220 lbs per sq. yd, \$80/ton
Striping (lines)	180	linear ft	\$0.50	\$90.00	4" white line
Restripe centerline	230	linear ft	\$0.07	\$16.10	6" yellow line
Restripe west edge line	520	linear ft	\$0.07	\$36.40	6" white line
<i>Subtotal</i>				\$37,212.82	
Preliminary Engineering	15%	of subtotal		\$5,581.92	
Right-Of-Way	5%	of subtotal		\$1,860.64	
Contingency	15%	of subtotal		\$5,581.92	Local route
Traffic Control	8%	of subtotal		\$2,977.03	
Mobilization	8%	of subtotal		\$2,790.96	
Construction Engineering	13%	of subtotal		\$4,651.60	
GRAND TOTAL				\$60,656.90	