

APPENDIX G – COST ESTIMATE

Alternate 1

	Units	Quantity	Unit Cost	Total Cost
Road Construction				
<i>Roads & Pathways</i>				
Asphalt Roadway	TON	6,540	\$65.00	\$425,100.00
Asphalt Pathway	TON	209	\$65.00	\$13,585.00
Concrete Sidewalk	SY	5,613	\$50.00	\$280,650.00
Curb & Gutter	LF	16,665	\$17.50	\$291,637.50
Levelling Course	TON	7,950	\$26.00	\$206,700.00
Unusable Excavation	CY	9,600	\$12.00	\$115,200.00
Classified Fill and Backfill/Select A	TON	7,780	\$15.00	\$116,700.00
Pedestrian Ramps	EACH	90	\$1,500.00	\$135,000.00
Colored Concrete Median	SY	2,372	\$135.00	\$320,220.00
Signing	SFT	1,100	\$65.00	\$71,500.00
Striping	LS	1	\$106,000.00	\$106,000.00
 <i>Drainage</i>				
Storm Drain Structure	EACH	71	\$3,500.00	\$248,500.00
F&I 12" SD Pipe	LF	2,770	\$40.00	\$110,800.00
Adjust Manhole	EA	10	\$525.00	\$5,250.00
Remove SD Structure	EA	43	\$1,500.00	\$64,500.00
Remove SD Pipe	LF	1,230	\$6.00	\$7,380.00
F&I Hydrant Assembly	EACH	8	\$8,300.00	\$66,400.00
Adjust Valve	EACH	17	\$355.00	\$6,035.00
Remove Hydrant	EACH	8	\$2,700.00	\$21,600.00
 Retaining Walls	 LS	 1	 \$164,000.00	 \$164,000.00
 Roadway Lighting	 LS	 1	 \$520,000.00	 \$520,000.00
Pedestrian Lighting	LS	1	\$615,000.00	\$615,000.00
Traffic Signals	LS	1	\$2,160,000.00	\$2,160,000.00
 <i>Landscaping</i>	 LS	 1	 \$750,000.00	 \$750,000.00
Contingency (25%)				\$1,705,439.38
Total Road Construction				\$8,527,196.88
 ROW Acquisition				
Public Use / Slope Easements (48 Parcels)	SF	7,768	\$15.00	\$116,520.00
Contingency (40%)				\$46,608.00
Total ROW				\$163,128.00
 Utility Relocation				
Water/Sewer	LS	1	\$86,000.00	\$86,000.00
Telephone	LS	1	\$1,400.00	\$1,400.00
Electric	LS	1	\$382,500.00	\$382,500.00
Gas	LS	1	\$600.00	\$600.00
Contingency (25%)				\$117,625.00
Total Utilities				\$588,125.00
 TOTAL PROJECT CONSTRUCTION COST				 \$9,278,449.88

Alternate 2

	Units	Quantity	Unit Cost	Total Cost
Road Construction				
<i>Roads & Pathways</i>				
Asphalt Roadway	TON	6,540	\$65.00	\$425,100.00
Asphalt Pathway	TON	209	\$65.00	\$13,585.00
Concrete Sidewalk	SY	5,175	\$50.00	\$258,750.00
Curb & Gutter	LF	17,150	\$17.50	\$300,125.00
Levelling Course	TON	7,950	\$26.00	\$206,700.00
Unusable Excavation	CY	9,600	\$12.00	\$115,200.00
Classified Fill and Backfill/Select A	TON	7,780	\$15.00	\$116,700.00
Pedestrian Ramps	EACH	90	\$1,500.00	\$135,000.00
Colored Concrete Median	SY	2,372	\$135.00	\$320,220.00
Signing	SFT	1,100	\$65.00	\$71,500.00
Striping	LS	1	\$91,100.00	\$91,100.00
<i>Drainage</i>				
Storm Drain Structure	EACH	71	\$3,500.00	\$248,500.00
F&I 12" SD Pipe	LF	2,770	\$40.00	\$110,800.00
Adjust Manhole	EA	10	\$525.00	\$5,250.00
Remove SD Structure	EA	43	\$1,500.00	\$64,500.00
Remove SD Pipe	LF	1,230	\$6.00	\$7,380.00
F&I Hydrant Assembly	EACH	8	\$8,300.00	\$66,400.00
Adjust Valve	EACH	17	\$355.00	\$6,035.00
Remove Hydrant	EACH	8	\$2,700.00	\$21,600.00
Retaining Walls	LS	1	\$164,000.00	\$164,000.00
Roadway Lighting	LS	1	\$520,000.00	\$520,000.00
Pedestrian Lighting	LS	1	\$615,000.00	\$615,000.00
Traffic Signals	LS	1	\$2,160,000.00	\$2,160,000.00
<i>Landscaping</i>	LS	1	\$750,000.00	\$750,000.00
Contingency (25%)				\$1,698,361.25
Total Road Construction				\$8,491,806.25
ROW Acquisition				
Public Use / Slope Easements (48 Parcels)	SF	7,768	\$15.00	\$116,520.00
Contingency (40%)				\$46,608.00
Total ROW				\$163,128.00
Utility Relocation				
Water/Sewer	LS	1	\$86,000.00	\$86,000.00
Telephone	LS	1	\$1,400.00	\$1,400.00
Electric	LS	1	\$382,500.00	\$382,500.00
Gas	LS	1	\$600.00	\$600.00
Contingency (25%)				\$117,625.00
Total Utilities				\$588,125.00
TOTAL PROJECT CONSTRUCTION COST				\$9,243,059.25

Alternate 3

	Units	Quantity	Unit Cost	Total Cost
Road Construction				
<i>Roads & Pathways</i>				
Asphalt Roadway	TON	6,540	\$65.00	\$425,100.00
Asphalt Pathway	TON	209	\$65.00	\$13,585.00
Concrete Sidewalk	SY	7,569	\$50.00	\$378,450.00
Curb & Gutter	LF	23,352	\$17.50	\$408,660.00
Levelling Course	TON	7,950	\$26.00	\$206,700.00
Unusable Excavation	CY	9,600	\$12.00	\$115,200.00
Classified Fill and Backfill/Select A	TON	7,780	\$15.00	\$116,700.00
Pedestrian Ramps	EACH	90	\$1,500.00	\$135,000.00
Colored Concrete Median	SY	2,372	\$135.00	\$320,220.00
Signing	SFT	1,100	\$65.00	\$71,500.00
Striping	LS	1	\$68,300.00	\$68,300.00
<i>Drainage</i>				
Storm Drain Structure	EACH	71	\$3,500.00	\$248,500.00
F&I 12" SD Pipe	LF	2,770	\$40.00	\$110,800.00
Adjust Manhole	EA	10	\$525.00	\$5,250.00
Remove SD Structure	EA	43	\$1,500.00	\$64,500.00
Remove SD Pipe	LF	1,230	\$6.00	\$7,380.00
F&I Hydrant Assembly	EACH	8	\$8,300.00	\$66,400.00
Adjust Valve	EACH	17	\$355.00	\$6,035.00
Remove Hydrant	EACH	8	\$2,700.00	\$21,600.00
Retaining Walls	LS	1	\$164,000.00	\$164,000.00
Roadway Lighting	LS	1	\$700,000.00	\$700,000.00
Pedestrian Lighting	LS	1	\$615,000.00	\$615,000.00
Traffic Signals	LS	1	\$2,160,000.00	\$2,160,000.00
<i>Landscaping</i>	LS	1	\$1,136,165.00	\$1,136,165.00
Contingency (25%)				\$1,891,261.25
Total Road Construction				\$9,456,306.25
ROW Acquisition				
Public Use / Slope Easements (48 Parcels)	SF	7,768	\$15.00	\$116,520.00
Contingency (40%)				\$46,608.00
Total ROW				\$163,128.00
Utility Relocation				
Water/Sewer	LS	1	\$86,000.00	\$86,000.00
Telephone	LS	1	\$1,400.00	\$1,400.00
Electric	LS	1	\$382,500.00	\$382,500.00
Gas	LS	1	\$600.00	\$600.00
Contingency (25%)				\$117,625.00
Total Utilities				\$588,125.00
TOTAL PROJECT CONSTRUCTION COST				\$10,207,559.25

Alternate 3 Modified

	Units	Quantity	Unit Cost	Total Cost
Road Construction				
<i>Roads & Pathways</i>				
Asphalt Roadway	TON	6,540	\$65.00	\$425,100.00
Asphalt Pathway	TON	209	\$65.00	\$13,585.00
Concrete Sidewalk	SY	7,569	\$50.00	\$378,450.00
Curb & Gutter	LF	21,500	\$17.50	\$376,250.00
Levelling Course	TON	7,950	\$26.00	\$206,700.00
Unusable Excavation	CY	9,600	\$12.00	\$115,200.00
Classified Fill and Backfill/Select A	TON	7,780	\$15.00	\$116,700.00
Pedestrian Ramps	EACH	90	\$1,500.00	\$135,000.00
Colored Concrete Median	SY	1,925	\$135.00	\$259,875.00
Signing	SFT	1,100	\$65.00	\$71,500.00
Striping	LS	1	\$78,100.00	\$78,100.00
<i>Drainage</i>				
Storm Drain Structure	EACH	71	\$3,500.00	\$248,500.00
F&I 12" SD Pipe	LF	2,770	\$40.00	\$110,800.00
Adjust Manhole	EA	10	\$525.00	\$5,250.00
Remove SD Structure	EA	43	\$1,500.00	\$64,500.00
Remove SD Pipe	LF	1,230	\$6.00	\$7,380.00
F&I Hydrant Assembly	EACH	8	\$8,300.00	\$66,400.00
Adjust Valve	EACH	17	\$355.00	\$6,035.00
Remove Hydrant	EACH	8	\$2,700.00	\$21,600.00
Retaining Walls	LS	1	\$164,000.00	\$164,000.00
Roadway Lighting	LS	1	\$700,000.00	\$700,000.00
Pedestrian Lighting	LS	1	\$615,000.00	\$615,000.00
Traffic Signals	LS	1	\$2,160,000.00	\$2,160,000.00
<i>Landscaping</i>	LS	1	\$1,136,165.00	\$1,136,165.00
Contingency (25%)				\$1,870,522.50
Total Road Construction				\$9,352,612.50
ROW Acquisition				
Public Use / Slope Easements (48 Parcels)	SF	7,768	\$15.00	\$116,520.00
Contingency (40%)				\$46,608.00
Total ROW				\$163,128.00
Utility Relocation				
Water/Sewer	LS	1	\$86,000.00	\$86,000.00
Telephone	LS	1	\$1,400.00	\$1,400.00
Electric	LS	1	\$382,500.00	\$382,500.00
Gas	LS	1	\$600.00	\$600.00
Contingency (25%)				\$117,625.00
Total Utilities				\$588,125.00
TOTAL PROJECT CONSTRUCTION COST				\$10,103,865.50