



## APPENDIX C: DETAILED COST ESTIMATES

**20th Street @ Highway 3 Improvement**

Description	Units	Quantity	Unit Price	Total
Curb & Gutter Removal	m	94	\$48.12	\$4,523.28
Concrete Removal	m <sup>2</sup>	230	\$20.00	\$4,600.00
Subgrade Preparation	m <sup>2</sup>	150	\$8.00	\$1,200.00
GBC - 150mm of 75mm Crushed Gravel	m <sup>2</sup>	500	\$10.00	\$5,000.00
Traffic accomedation and staging	L.S.	1	\$25,000.00	\$25,000.00
GBC - 150mm of 25mm Crushed Gravel	m <sup>2</sup>	500	\$20.00	\$10,000.00
ACP - H1-150mm	m <sup>2</sup>	500	\$32.00	\$16,000.00
Concrete Median Fill for Island	m <sup>2</sup>	100	\$115.00	\$11,500.00
Curb & Gutter Standard	m	75	\$175.00	\$13,125.00
Asphalt Saw Cut	m	20	\$13.00	\$260.00
Asphalt Break out and Removal	m <sup>2</sup>	13	\$16.00	\$208.00
Pavement Marking	L.S.	1000	\$1.00	\$1,000.00
Sub Total				<b>\$92,416.28</b>
Contingencies(25%)				<b>\$23,104.07</b>
Total				<b>\$115,520.35</b>

160 m2  
160 m2

**30th Street @ Highway 3 Improvement**

Description	Units	Quantity	Unit Price	Total
Curb & Gutter Removal	m	35	\$48.12	\$1,684.20
Concrete Removal	m <sup>2</sup>	30	\$20.00	\$600.00
Traffic Signal	each	1	\$350,000.00	\$350,000.00
Concrete Median Fill for Island	m <sup>2</sup>	160	\$115.00	\$18,400.00
Lighting extents	L.S.	3	\$15,000.00	\$45,000.00
Curb & Gutter Standard	m	105	\$175.00	\$18,375.00
CP RAIL FEE	L.S.	1	\$120,000.00	\$120,000.00
Asphalt Saw Cut	m	105	\$13.00	\$1,365.00
Asphalt Break out and Removal	m <sup>2</sup>	160	\$16.00	\$2,560.00
Pavement Marking	L.S.	1000	\$1.00	\$500.00
Sub Total				<b>\$558,484.20</b>
Contingencies(25%)				<b>\$139,621.05</b>
Total				<b>\$698,105.25</b>

**21 Avenue @ Land O'Lake Drive Improvement - Roundabout**

Description	Units	Quantity	Unit Price	Total
Curb & Gutter Removal	L.S.	1	\$50,000.00	\$50,000.00
Existing Road Structure Removal	m <sup>3</sup>	1930	\$10.00	\$19,300.00
Subgrade Preparation	m <sup>2</sup>	1000	\$8.00	\$7,600.00
GBC - 150mm of 75 mm sub-base Crushed Gravel	m <sup>2</sup>	1500	\$10.00	\$15,000.00
GBC - 150mm of 25mm Crushed base Gravel	m <sup>2</sup>	1500	\$20.00	\$30,000.00
ACP -TYPE 1 (60mm Depth)	m <sup>2</sup>	1500	\$20.00	\$30,000.00
ACP -TYPE 2 (100mm Depth)	m <sup>2</sup>	1500	\$26.00	\$39,000.00
Curb & Gutter L.P Reinforced	L.S.	1	\$42,000.00	\$42,000.00
Curb & Gutter Standard	m	220	\$175.00	\$38,500.00
Concrete Median Fill for Island	m <sup>2</sup>	130	\$115.00	\$14,950.00
Concrete Apron Reinforced	m <sup>2</sup>	230	\$250.00	\$57,500.00
Asphalt Saw Cut	m	150	\$13.00	\$1,950.00
Asphalt Break out and Removal	m <sup>2</sup>	300	\$16.00	\$4,800.00
Storm Managemnt	L.S.	1	\$30,000.00	\$30,000.00
Pavement Marking allowance	L.S.	1	\$5,000.00	\$5,000.00
Loam Ditches for Seeding	m <sup>2</sup>	300	\$20.00	\$6,000.00
Hydroseed	m <sup>2</sup>	300	\$1.00	\$300.00
Sub Total				<b>\$391,900.00</b>
Contingencies(25%)				<b>\$97,975.00</b>
Total				<b>\$489,875.00</b>

**18th Avenue @ 20th Street Improvement - Signalized**

Description	Units	Quantity	Unit Price	Total
Traffic Signal & Ligth extents & gome. Upgrades	each	1	\$450,000.00	\$450,000.00
Sub Total				<b>\$450,000.00</b>
Contingencies(25%)				<b>\$112,500.00</b>
Total				<b>\$562,500.00</b>

**18th Avenue @ 20th Street Improvement - Roundabout**

Description	Units	Quantity	Unit Price	Total
Curb & Gutter Removal	L.S.	1	\$50,000.00	\$50,000.00
Existing Road Structure Removal	m <sup>3</sup>	1930	\$10.00	\$19,300.00
Subgrade Preparation	m <sup>2</sup>	950	\$8.00	\$7,600.00
GBC - 150mm of 75 mm sub-base Crushed Gravel	m <sup>2</sup>	1900	\$10.00	\$19,000.00
GBC - 150mm of 25mm Crushed base Gravel	m <sup>2</sup>	1900	\$20.00	\$38,000.00
ACP -TYPE 1 (60mm Depth)	m <sup>2</sup>	1800	\$20.00	\$36,000.00
ACP -TYPE 1 (100mm Depth)	m <sup>2</sup>	1800	\$26.00	\$46,800.00
Curb & Gutter L.P Reinforced	L.S.	1	\$42,000.00	\$42,000.00
Curb & Gutter Standard	m	220	\$175.00	\$38,500.00
Concrete Median Fill for Island	m <sup>2</sup>	130	\$115.00	\$14,950.00
Concrete Apron Reinforced	m <sup>2</sup>	230	\$250.00	\$57,500.00
Asphalt Saw Cut	m	150	\$13.00	\$1,950.00
Asphalt Break out and Removal	m <sup>2</sup>	300	\$16.00	\$4,800.00
Storm Managemnt	L.S.	1	\$30,000.00	\$30,000.00
Pavement Marking allowance	L.S.	1	\$5,000.00	\$5,000.00
Loam Ditches for Seeding	m <sup>2</sup>	300	\$20.00	\$6,000.00
Hydroseed	m <sup>2</sup>	300	\$1.00	\$300.00
Sub Total				<b>\$417,700.00</b>
Contingencies(25%)				<b>\$104,425.00</b>
Total				<b>\$522,125.00</b>

**16 Avenue Extention**

Description	Units	Quantity	Unit Price	Total
Topsoild Removal & Disposal	m <sup>3</sup>	4350	\$10.21	\$44,413.50
Truck loading and Haul of common material	m <sup>3</sup>	4350	\$14.88	\$64,728.00
Subgrade Preparation	m <sup>2</sup>	9331	\$8.00	\$74,648.00
Ashphalt Tie-in Milling(50mm)	m <sup>2</sup>	100	\$8.00	\$800.00
ACP -TYPE 1 (60mm Depth)	m <sup>2</sup>	2575	\$20.00	\$51,500.00
GBC - 150mm of 75mm base Crushed Gravel	m <sup>2</sup>	2240	\$10.00	\$22,400.00
GBC - 150mm of 25mm base Crushed Gravel	m <sup>2</sup>	2240	\$20.00	\$44,800.00
Deep Utilities Allowance	L.S.	1	\$250,000.00	\$250,000.00
ACP -TYPE2 (100mm Depth)	m <sup>2</sup>	2575	\$26.00	\$66,950.00
Curb & Gutter Standard	m	1590	\$175.00	\$278,250.00
Pavement Marking	L.S.	1	\$1.00	\$2,000.00
Sub Total				<b>\$900,489.50</b>
Contingencies(25%)				<b>\$225,122.38</b>
Total				<b>\$1,125,611.88</b>

**12 Avenue Extention**

Description	Units	Quantity	Unit Price	Total
Topsoild Removal	m <sup>3</sup>	3500	\$10.21	\$35,735.00
Truck loading and Haul of common material	m <sup>3</sup>	3500	\$14.88	\$52,080.00
Subgrade Preparation	m <sup>2</sup>	7386	\$8.00	\$59,088.00
Ashphalt Tie-in Milling(50mm)	m <sup>2</sup>	100	\$8.00	\$800.00
ACP -TYPE 1 (60mm Depth)	m <sup>2</sup>	1775	\$20.00	\$35,500.00
GBC - 150mm of 75mm base Crushed Gravel	m <sup>2</sup>	1775	\$10.00	\$17,750.00
GBC - 150mm of 25mm base Crushed Gravel	m <sup>2</sup>	1775	\$20.00	\$35,500.00
Deep Utilities Allowance	L.S.	1	\$250,000.00	\$250,000.00
ACP -TYPE 1 (100mm Depth)	m <sup>2</sup>	2210	\$26.00	\$57,460.00
Curb & Gutter Standard	m	1590	\$175.00	\$278,250.00
Pavement Marking	L.S.	1	\$1.00	\$2,000.00
Sub Total				<b>\$824,163.00</b>
Contingencies(25%)				<b>\$206,040.75</b>
Total				<b>\$1,030,203.75</b>

**13 Avenue**

Description	Units	Quantity	Unit Price	Total
Trench Fill	m <sup>3</sup>	858	\$30.00	\$25,740.00
Topsoild Removal	m <sup>3</sup>	1755	\$10.21	\$17,918.55
Truck loading and Haul of common material	m <sup>3</sup>	2613	\$14.88	\$38,881.44
Subgrade Preparation	m <sup>2</sup>	5850	\$8.00	\$46,800.00
Ashphalt Tie-in Milling(50mm)	m <sup>2</sup>	100	\$8.00	\$800.00
ACP -TYPE 1 (60mm Depth)	m <sup>2</sup>	5850	\$20.00	\$117,000.00
GBC - 150mm of 75mm base Crushed Gravel	m <sup>2</sup>	5850	\$10.00	\$58,500.00
GBC - 150mm of 25mm base Crushed Gravel	m <sup>2</sup>	5850	\$20.00	\$117,000.00
Deep Utilities Allowance	L.S.	1	\$250,000.00	\$250,000.00
ACP -TYPE 1 (100mm Depth)	m <sup>2</sup>	5850	\$26.00	\$152,100.00
Pavement Marking	L.S.	1	\$1.00	\$2,000.00
Sub Total				<b>\$826,739.99</b>
Contingencies(25%)				<b>\$206,685.00</b>
Total				<b>\$1,033,424.99</b>