ATTACHMENT B COST BREAKDOWN SUMMARY - SCOPE OF SERVICES

Indicate project Consultant PROJECT NAME: PID NUMBER: GEC Contract #

Cardno Submitted: 11/11/2019 Revised: 1/28/2020

102nd Avenue North Culvert Replacement

18/012

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Section Sect			Line Item Co
ASK DESCRIPTIONS Peac Dissipation Principal Colored Principal Colored Principal Colored Principal Colored			
Name Page	\$300.00 \$225.00	\$150.00 \$170.00 \$140.00 \$110.00 \$95.00 \$73.56	
Page	Principal Chief	Project Senior Project Engineer Designer Clarical Sr	nviron.
1.1 Two (2) Review Migr (Briffs, 100% Review) 2.0 0.0 4.0 4.0 4.0 0.	ribution) · Engineer	Manager Engineer Engineer Engineer Designer Clerical	entist
1.2 Coordination of Response to Comments			
1.3 Contract Maintenance			
1.4 Public involvement meeting			
1.5 Specifications			
Task 1 Hours	· ·		
Task 1 Codes S1,800 S0,00 S1,860 S1,860 S1,860 S0,00 S			
2.0 Task 28 - Drainage Analysis / Culvert Sizing (Fee: 50% City of Pinelias Park; 50% Pinelias County)			
2.1 Coordination w/ County- future upstream/downstream improvements	\$1,800.00 \$0.00	\$6,300.00 \$1,360.00 \$1,680.00 \$0.00 \$0.00	\$0.00 \$11,140.00
2.1 Coordination w/ County- future upstream/downstream improvements	is / Outrest Cisings / Face FOO/ Oity of Pinalles Dayle FOO/ Pinalles Occupted		
2.2 Data collection (Watershed Model) 2.3 Watershed model assessment (Revised Existing/Proposed/Ultimate) 2.3 Watershed model assessment (Revised Existing/Proposed/Ultimate) 3.0 0.0 0.0 12.0 8.0 24.0 0.0 24.0 0.0 0.0 0.0 0.0 8.0 2.4 Culvert sizing analysis 3.0 0.0 8.0 52.0 12.0 8.0 8.0 0.0 0.0 0.0 0.0 28.0 2.4 Culvert sizing analysis 3.0 0.0 8.0 52.0 12.0 8.0 8.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 2.1 Tank ZB Hours 2.5 Costs 3.0 0.0 0.0 0.0 12.0 8.0 52.0 12.0 8.0 8.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 2.5 Costs 3.0 0.0 0.0 0.0 51.800.0 \$5,000.0 \$5,000.0 \$5,000.0 \$5,000.0 \$0.00 \$0.00 \$0.00 \$0.00 \$1.90.0 2.4 Octoor Specific (Fee: 30% City of Pinellas Park; 70% Pinellas County) 3.0 A Task 3A - Roadway Design (Fee: 30% City of Pinellas Park; 70% Pinellas County) 3.1 Pavement analysis / design 3.2 Horizontal alignment (including Parking area & kayak launch loop) 3.2 Horizontal alignment / vertical alignment / vert		12.01 4.01 4.01 0.01 0.01	0.01 20.01
2.3 Watershed model assessment (Revised Existing/Proposed/Ullimate) 0.0 8.0 24.0 0.0 24.0 24.0 0.0 0.0 0.0 0.0 0.0 1.2 1.2 8.0 8.0 0.0 0.0 0.0 0.0 0.0 1.2 1.2 8.0 8.0 0.0 0.0 0.0 0.0 0.0 1.2 1.2 8.0 8.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3			
2.4 Culvert sizing analysis			
Task 2B Hours	, , , , , , , , , , , , , , , , , , ,		
Task 2A Costs \$0.00 \$1,800.00 \$7,800.00 \$2,040.00 \$3,080.00 \$0.0			
3.0 Task 3A - Roadway Design (Fee: 30% City of Pinellas Park; 70% Pinellas County) 3.1 Pevement analysis / design 3.2 Horizontal alignment (including Parking area & kayak launch loop) 3.2 Horizontal alignment (vertical alignment (including Parking area & kayak launch loop) 3.3 Roadside safety assessment (guardrail / conc. barrier/ slopes) 0.0 0.0 4.0 4.0 4.0 4.0 8.0 0.0 0.0 0.0 2.0 3.4 Design criteria matrix 0.0 0.0 0.0 8.0 8.0 0.0 0.0 0.0 0.0 0.0			
3.1 Pavement analysis / design 0.0 0.0 0.0 0.0 2.0 4.0 2.0 0.0	ψ0.00 ψ1,000.00	ψ1,000.00 ψ2,040.00 ψ0,040.00 ψ0,000.00 ψ0.00	ψ13,700.00
3.1 Pavement analysis / design	(Fee: 30% City of Pinellas Park: 70% Pinellas County)		
3.2 Horizontal alignment (notuding Parking area & kayak launch loop) 3.3 Roadside safety assessment (guardrait / conc. barrier / slopes) 3.4 Design criteria matrix 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		0.0 2.0 4.0 2.0 0.0 0.0	0.0 8.0
3.3 Roadside salety assessment (guardrail / conc. barrier / slopes) 3.4 Design criteria matrix 3.5 Engineer's cost estimate 3.6 Do. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0			
3.4 Design criteria matrix 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.			
3.5 Engineer's cost estimate 0.0 0.0 8.0 8.0 0.0 8.0 8.0 0.0 0.0 0.0	0.0 0.0		
Sample S	e 0.0 0.0	8.0 0.0 8.0 8.0 0.0 0.0	0.0 24.0
3.0B Task 3B - Structural Design CBC (Fee: 40% City of Pinellas Park; 60% Pinellas County) 3.6 Box Culvert Design 0.0 0.0 0.0 4.0 32.0 8.0 0.0 0.0 0.0 44.0 32.0 8.0 32.0 44.0 0.0 0.0 88.0 32.0 44.0 0.0 0.0 88.0 32.0 8.0 0.0 0.0 0.0 8.0 8.0 32.0 8.0 0.0 0.0 0.0 8.0 8.0 32.0 8.0 0.0 0.0 0.0 8.0 8.0 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0		28.0 32.0 36.0 52.0 0.0 0.0	
3.6 Box Culvert Design 0.0 0	\$0.00 \$450.00	\$4,200.00 \$5,440.00 \$5,040.00 \$5,720.00 \$0.00 \$0.00	\$0.00 \$20,850.00
3.6 Box Culvert Design 0.0 0.0 0.0 0.0 4.0 32.0 8.0 0.0 0.0 0.0 44.0 3.7 Box Culvert Plan & Detail Sheets (Draft/Final) 0.0 0.0 0.0 0.0 0.0 4.0 8.0 32.0 44.0 0.0 0.0 0.0 88.0 3.8 Field Reviews 0.0 0.0 0.0 0.0 0.0 4.0 4.0 0.0 0.0 0.0 0.0 3.9 Technical Meetings 0.0 0.0 0.0 0.0 4.0 4.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.8 Box Culvert Plan & Detail Sheets (Draft/Final) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.9 Technical Meetings 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.10 QA/QC 0			
3.7 Box Culvert Plan & Detail Sheets (Draft/Final) 0.0			
3.8 Field Reviews 0.0 0.			
3.9 Technical Meetings 0.0 0			
3.10 QA/QC Task 3B Hours 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.			
Task 3B Hours 0.0 0.0 0.0 0.0 28.0 48.0 44.0 44.0 0.0 0.0 0.0 28.0			
Substract Subs			
4.0 Task 4 - Environmental Permitting (Fee: 50% City of Pinellas Park; 50% Pinellas County) 4.1 Pre-application meeting (SWFWMD) 4.2 Permit application / Permit package (SWFWMD/ERP) 4.3 Permit Plans 4.6 Channel Dredge/Fill analysis 4.7 Use Army Corp permit 4.8 Use Army Corp permit 4.9 O.0			
4.1 Pre-application meeting (SWFWMD) 0.0 0.0 0.0 4.0 0.0 0.0 0.0 0.0 4.0 12.0 4.2 Permit application / Permit package (SWFWMD/ERP) 0.0 0.0 8.0 0.0 4.0 0.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0	\$0.00	\$0.00 \$4,760.00 \$6,720.00 \$4,840.00 \$4,180.00 \$0.00	\$0.00 \$20,500.00
4.1 Pre-application meeting (SWFWMD) 0.0 <td>uitting (Fee: 50% City of Pinellas Park: 50% Pinellas County)</td> <td></td> <td></td>	uitting (Fee: 50% City of Pinellas Park: 50% Pinellas County)		
4.2 Permit application / Permit package (SWFWMD/ERP) 0.0 0.0 8.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0 0.0 4.0 0.0		40 00 40 00 00 00	4 0 12 0
4.3 Permit Plans 0.0 0.0 4.0 0.0 4.0 4.0 0.0 4.0 16.0 4.4 Channel Dredge/Fill analysis 0.0			
4.4 Channel Dredge/Fill analysis 0.0			
4.5 US Army Corp permit 0.0			
Task 4 Hours 0.0 0.0 16.0 0.0 8.0 8.0 4.0 8.0 54.0 9			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	1 7500		, , , , , , , , ,
5.0 Task 5 - Roadway Plans (Fee: 70% City of Pinellas Park; 30% Pinellas County)	e: 70% City of Pinellas Park; 30% Pinellas County)		
5.1 Data collection & Field visits 0.0 0.0 6.0 12.0 0.0 0.0 0.0 24.0		6.0 0.0 6.0 12.0 0.0 0.0	0.0 24.0
5.2 Roadway Plans preparation (60%/100%/Final) 0.0 4.0 16.0 8.0 32.0 40.0 0.0 0.0 0.0 100.0			

Indicate project Consultant PROJECT NAME: PID NUMBER: GEC Contract # Cardno Submitted: 11/11/2019

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102nd Avenue North Culvert Replacement

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Sub Line Item Consultant Task Total Fees GEC Approved Job Classification Hours GEC Billable Rate (\$/hour) \$300.00 \$110.00 \$140.00 \$225.00 \$150.00 \$170.00 \$140.00 \$95.00 \$73.56 Project Senior Project Sr. Environ. Chief Principal Clerical Engineer Designer TASK DESCRIPTIONS (Fee Distribution) Manager Engineer Engineer Scientist Engineer 5.3 Design Documentation (Roadway and Drainage) 4.0 0.0 40.0 0.0 0.0 12.0 8.0 12.0 0.0 4.0 5.4 Bidability / constructibility review 8.0 4.0 4.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5.5 QA/QC 24.0 8.0 12.0 4.0 0.0 0.0 0.0 0.0 0.0 0.0 Task 5 Hours 12.0 20.0 38.0 16.0 50.0 56.0 0.0 4.0 0.0 196.00 Task 5 Costs \$3,600.00 \$4,500.00 \$5,700.00 \$2,720.00 \$7,000.00 \$6,160.00 \$0.00 \$294.24 \$0.00 \$29,974.24 Total Hours 96.0 188.0 48.0 54.0 18.0 30.0 176.0 190.0 12.0 812.00 Total Costs \$5,400.00 \$6,750.00 \$26,400.00 \$16,320.00 \$26,600.00 \$20,680.00 \$4,560.00 \$882.72 \$7,560.00 \$115,152.72 CONTINGENCY \$0.00 Survey (OMNI) (Fee: 50% City of Pinellas Park; 50% Pinellas County) Sub Consultant \$10,302.68 Geotechnical (AREHNA) (Fee: 100% City of Pinellas Park) Sub Consultant \$8,250.00 Total Sub Consultant Costs \$18,552.68 TOTAL PROJECT COST \$133,705.40 TOTAL PROJECT COST (City of Pinellas Park) \$70,752.55 \$62,952.85 TOTAL PROJECT COST (Pinellas County) Post Design Services (Not included in Total Project Cost) \$15,000.00 City of Pinellas Park 50% \$7,500.00 \$7,500.00 Pinellas County 50%