

**Molalla Avenue Phase 3: Beavercreek Road to Highway 213**  
**ESTIMATED COST**  
**EXHIBIT A**  
**October 15, 2018**

**City of Oregon City** **Project # CI 18-004**  
**OBEC Consulting Engineers** **OBEC Job No. 0517-0010**

TASK		TASK BUDGET
<b>TASK 1.0</b>	<b>PROJECT MANAGEMENT AND ADMINISTRATION</b>	
1.1	Project Management	\$ 73,858.84
1.2	Schedule	\$ 2,688.00
1.3	Project Coordination and Meetings	\$ 54,151.38
1.4	Success Indicators	\$ 18,876.04
<b>Task Subtotal</b>		<b>\$ 149,574.26</b>
<b>TASK 2.0</b>	<b>SURVEYING</b>	
2.1	Horizontal and Vertical Control	\$ 5,295.00
2.2	Pre-Construction Record of Survey	\$ 25,689.00
2.3	Topographic Survey and Base Mapping	\$ 39,287.00
2.4.1	Locate, Recover & Reference Monuments	\$ 6,699.00
2.4.2	Right of Way Monumentation	\$ 7,605.00
2.4.3	Post Construction Monumentation Survey Filing Map (SFM)	\$ 11,694.00
<b>Task Subtotal</b>		<b>\$ 96,269.00</b>
<b>TASK 3.0</b>	<b>PUBLIC INVOLVEMENT ASSISTANCE</b>	
3.1	Public Outreach Plan	\$ 5,244.84
3.1.1	Public Involvement and Outreach Plan	\$ 7,342.38
3.1.2	Public Information Materials	\$ 14,809.09
3.1.3	Public Meetings	\$ 21,564.08
3.2	Community Survey	\$ 6,934.18
3.3	Oregon City Metro Enhancement Grant	\$ 15,698.11
<b>Task Subtotal</b>		<b>\$ 71,592.68</b>
<b>TASK 4.0</b>	<b>DESIGN STUDIES AND REPORTS</b>	
4.1	Preliminary Traffic Signal Analysis and Vehicle Classification Counts	\$ 29,944.70
4.2	Geotechnical and Pavement Design	\$ -
4.2.1	Field Exploration	\$ 12,730.00
4.2.2	Laboratory Testing	\$ 935.00
4.2.3	Geotechnical Evaluation and Analyses	\$ 5,695.00
4.2.4	Geotechnical Design Report	\$ 7,300.00
4.2.5	Plan and Specification Review and Design Consultations	\$ 2,135.00
4.2.6	Geotechnical Project Management and Meetings	\$ -
4.3	Level 1 Hazardous Materials Assessment	\$ 4,750.00
4.4	Stormwater Analysis and Report	\$ 39,601.00
4.5	Storm and Sanitary Sewer Condition Assessment (RESERVED)	\$ -
4.6	Preliminary Design Report	\$ 22,827.88
<b>Task Subtotal</b>		<b>\$ 125,918.58</b>
<b>TASK 5.0</b>	<b>ENVIRONMENTAL PERMITS</b>	
5.1	Coordination, Accumulation, and Review of Information	\$ 3,264.00
C5.2	Wetland/Waters of the U.S./State & Natural Resources Field work (CONTINGENCY TASK)	\$ -
C5.3	Wetland/Waters of the U.S./State Delineation Report (CONTINGENCY TASK)	\$ -
C5.4	Wetland Functional Assessment Report (CONTINGENCY TASK)	\$ -
C5.5	USACE/DSL Joint Permit Application (JPA) and DEQ Section 401 Certification (CONTINGENCY TASK)	\$ -
5.6	Oregon Department of Environmental Quality (DEQ) 1200-C Permit Application	\$ 7,196.00
C5.7	Natural Resource Overlay District (NROD) and Tree Protection Standard Compliance (CONTINGENCY TASK)	\$ -
<b>Task Subtotal</b>		<b>\$ 10,460.00</b>
<b>TASK 6.0</b>	<b>UTILITY LOCATION AND COORDINATION</b>	
6.1	Preliminary Utility Coordination	\$ 9,772.00
6.2	Review Utility Data and On-Going Coordination	\$ 36,456.00
6.3	Overhead Utility Service Crossing Review	\$ 8,980.00
<b>Task Subtotal</b>		<b>\$ 55,208.00</b>

<b>TASK 7.0</b>	<b>RIGHT OF WAY RESEARCH, DESCRIPTIONS, APPRAISALS, AND ACQUISITIONS</b>	
7.1	Determine Type of Easements	\$ 2,728.00
7.2	Preliminary ROW Budget Estimates	\$ -
7.3	Right of Way Strip Map and Field Staking of Easements	\$ 15,850.00
7.4	Legal Descriptions	\$ 19,260.00
7.5	Title Reports and Title Insurance	\$ 5,100.00
7.6	Real Estate Appraisals	\$ -
7.7	Review Appraisals	\$ 2,940.00
7.8	Acquisitions	\$ 50,715.00
7.9	Coordinate Project Closings	\$ 2,910.00
7.10	Right of Way Status Updates	\$ 1,470.00
	<b>Task Subtotal</b>	<b>\$ 100,973.00</b>
<b>TASK 8.0</b>	<b>PRELIMINARY DESIGN (30%)</b>	
8.1	Roadway Design	\$ 29,524.00
8.2	Stormwater Design	\$ 32,268.00
8.3	Traffic Control Design	\$ 9,680.00
8.4.1	Water Distribution Design	\$ 17,264.00
8.4.2	Water Transmission Design	\$ 31,396.00
C8.5	Sanitary Sewer Design (CONTINGENCY TASK)	
8.6	Traffic Engineering	\$ 11,254.64
8.7	Landscape and Irrigation	\$ 23,020.00
C8.8	Retaining Wall Design (CONTINGENCY TASK)	
	<b>Task Subtotal</b>	<b>\$ 154,406.64</b>
<b>TASK 9.0</b>	<b>FINAL DESIGN PLANS (60%, 90% AND 100% DESIGN)</b>	
9.1	Roadway Design	\$ 227,084.00
9.2	Stormwater Design	\$ 65,964.00
9.3	Traffic Control Plans	\$ 123,739.00
9.4	Waterline Design	\$ 116,504.00
C9.5	Sanitary Sewer Design (CONTINGENCY TASK)	
9.6	Traffic Engineering	\$ 127,811.00
9.7	Landscape and Irrigation	\$ 40,520.00
C9.8	Retaining Wall Design (CONTINGENCY TASK)	
9.9	Specifications, Cost Estimate and Submittals	\$ 66,273.36
	<b>Task Subtotal</b>	<b>\$ 767,895.36</b>
<b>TASK 10.0</b>	<b>BID SUPPORT</b>	
10.1	Pre-Bid Services	\$ 14,282.72
10.2	Prepare Technical Addenda	\$ 18,965.02
	<b>Task Subtotal</b>	<b>\$ 33,247.74</b>
<b>TASK 11.0</b>	<b>QUALITY ASSURANCE</b>	
11.1	Quality Assurance	\$ 33,700.00
	<b>Task Subtotal</b>	<b>\$ 33,700.00</b>
<b>TASK 12.0</b>	<b>CONSTRUCTION ENGINEERING (RESERVED)</b>	
12.1	Construction Engineering (RESERVED)	\$ -

**Total Labor Estimate \$ 1,599,245.26**

OBEC Expenses \$ 13,524.80  
Murraysmith Expenses \$ 13,339.00  
Hart Crowser Expenses \$ 38,800.00  
Kittelsohn Expenses \$ 4,677.00  
Universal Field Services Expenses \$ 78,744.00  
JLA Public Involvement \$ 1,284.00  
GreenWorks Expenses \$ 1,797.10  
Morgan Holen Expenses \$ -  
**Total Expenses Estimate \$ 152,165.90**

<b>GRAND TOTAL LABOR &amp; EXPENSES</b>	<b>\$ 1,751,411.16</b>
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