

CITY OF BLAINE
REQUEST FOR COUNCIL ACTION
MEETING DATE: August 14, 2017

SUBJECT: TranTech Amendment 1 – Design Waterline for Phase 1 - Sweet Road from Yew Ave East to the City Limits

DEPARTMENT: Public Works PREPARED BY: _____
(Digital Signature)

AGENDA LOCATION: Consent Agenda Council Action Unfinished Business

ATTACHMENTS: Amendment 1 with Tran Tech Engineering

BACKGROUND/SUMMARY: Public Works entered into an agreement with TranTech on April 12, 2016 for the design of waterline replacement from Yew Avenue east to the City limits in conjunction with the street project. This twelve inch water line is made of Asbestos Concrete and could be at risk of damage by mechanical compaction required by the street project. Because of this, Public Works made the decision to replace the line with ductile iron pipe as part of the project and connect to the line as it traverses underneath I-5. If Public Works had not elected to replace the pipe now and is damaged during street construction, it would have been replaced by the change order process rather than competitively bid.

BUDGET IMPLICATIONS: This design effort will be paid out of Fund 329 Water Capital.

RECOMMENDATION: Staff recommends that Council authorize the City Manager execute a contract amendment in an amount not to exceed \$24,126.17. The total contract is \$88,442.59.

REVIEWED BY:

City Manager _____ Finance Director _____ City Clerk _____
(Digital Signature) (Digital Signature) (Digital Signature)

CITY OF BLAINE
CONTRACT AMENDMENT #1
to the
PROFESSIONAL SERVICES AGREEMENT
with TranTech Engineering, LLC
for
Phase 1 - Sweet Road from Odell Rd East to the City Limits

The contract between the City of Blaine and TranTech Engineering, LLC for engineering design services dated January 1, 2017 is hereby amended as follows:

Item #1: **Section 1, Scope of Work:** shall be amended to add the design of the replace waterline in conjunction with the Sweet Road Reconstruction project as described in Exhibit A.

Item #2: **Section 2, Term:** shall remain unchanged.

Item #3 **Section 3, Compensation:** shall be amended as follows and described in Exhibit B:
“The City shall pay the Consultant on a time-and-expenses basis an additional Twenty-four Thousand One Hundred Twenty-six Dollars and 17 Cents (\$24,126.17) as described in exhibit B, for a revised total contract amount not to exceed without prior approval \$88,442.59.”

All work shall comply with City standards and shall be approved by the City prior to payment.

All other items, terms and conditions of the contract remain unchanged.

City of Blaine:

Consultant:

David Wilbrecht, City Manager

TranTech Engineering, LLC

Departmental Approval:

Attest:

Ravyn Whitewolf, P.E., Public Works

Sheri Sanchez, City Clerk

EXHIBIT A

WORK ELEMENT 1: Project Management (TranTech)

This element includes administration of the contract between the Prime CONSULTANT and the CITY, preparation of monthly progress reports and quality control necessary for the 100% PS&E Submittal. This element includes all administrative and professional services needed to coordinate with the sub-consultants and to complete the project on time and within budget. The activities associated with this Work Element are:

1.1 Monthly Progress Updates, Monthly Invoicing, and internal Team Coordination Meetings

Monthly progress reports will contain a narrative identifying and describing significant activities performed in the previous month and the significant planned activities for the upcoming month.

1.2 Subconsultant Coordination and Management

Prepare sub-consultant agreements (TranspoGroup), coordinate, budget, and review the project progress and submittals to the CITY.

1.3 Plan Review Meetings with CITY

The CONSULTANT'S PM will receive formal review comments from the CITY following the 100% submittal stage and discuss or clarify issues by phone. CITY comments will be incorporated into subsequent work.

Deliverable(s):

- ❖ Project Schedule
- ❖ Monthly Progress Reports

WORK ELEMENT 10: Water Main Replacement Plans and PS&E Bid Documents (TranTech)

Based on the CITY's input and other findings, the CONSULTANT shall provide design services associated with water main facilities. Water main replacement will extend from near Yew Avenue to the eastern project limits. The CONSULTANT will prepare Plans, Specifications, and Estimates (PS&E) at the 100% design submittal stage. The activities associated with this Work Element are:

10.1 PS&E Document Preparation

The CONSULTANT shall prepare 100% PS&E submittals. Technical special provisions will be provided at the 100% submittal stages. Technical Special Provisions, including a run list, will be prepared using WSDOT provided General Special Provisions (GSP) for Local Agencies and City of Blaine provisions as applicable. Engineer's Estimate of Probable Cost will be prepared at the 100% PS&E submittals. Work also includes incorporating CITY review comments.

10.1.1 100% PS&E – Bid-ready:

This work element item encompasses all the activities associated with the preparation of the 100% Bid-ready Plans, Special Provisions and engineer's opinion of construction cost Estimate (PS&E). Constructability Review and QA/QC activities are an inherent part of this element.

Deliverable(s):

- One full size (24x36) original wet signed copy of the Bid-ready set of Plans submitted hardcopy;
- One full size copy of the Bid-ready set of Plans in PDF format submitted electronically;
- One copy of Technical Specifications at 100% level document per LAG, WSDOT and City of Blaine templates, in editable MS Word format;
- One copy of the Engineer's Opinion of Construction Cost in the City's proposal format in editable MS Excel spreadsheet format;
- AutoCAD and/ or Civil 3D complete electronic drawing files.

The following sections describe specific work sub-elements to be accomplished in preparing the PS&E bid document set. All work sub-elements are to be submitted for review at the 100% level unless otherwise noted. All drawing scales described are for full-size 24x36 plan sheets that are scalable at 11x17 half-sized.

10.2 Cover Sheet & General Notes

Deliverable(s):

- ❖ Revise cover sheet and general notes
- ❖ Revise Site Preparation and Erosion Control Plans and Quantities

10.3 Traffic Control Plans

The TranspoGroup will modify the roadway traffic control plans to reflect the added signage and added control configurations required during construction of the water main extending beyond the limits of roadway reconstruction.

Deliverable(s):

- ❖ Revise Traffic Control Plans and Quantities

Exhibit B

Prime Consultant Fee Determination - Summary Sheet (Lump Sum, Cost Plus Fixed Fee, cost Per Unit of Work)

City of Blaine - Sweet Road Reconstruction Supplement #1 "Engineering Design Services"

TranTech Direct Salary Cost (DSC):

<u>Classification</u>	<u>Man Hours</u>		<u>Rate</u>	=	<u>Cost</u>
<u>Principal</u>	2	X	\$55.00		\$110.00
<u>Project Manager</u>	12	X	\$48.00		\$576.00
<u>QA/QC Reviewer Structural</u>	0	X	\$55.00		\$0.00
<u>QA/QC Reviewer Civil</u>	8	X	\$50.00		\$400.00
<u>Senior Civil Engineer</u>	48	X	\$48.00		\$2,304.00
<u>Project Civil Engineer</u>	12	X	\$42.00		\$504.00
<u>Staff Civil Engineer</u>	42	X	\$30.00		\$1,260.00
<u>Senior Structural Engineer</u>	0	X	\$54.50		\$0.00
<u>Project Structural Engineer</u>	0	X	\$50.00		\$0.00
<u>Staff Structural Engineer</u>	0	X	\$30.00		\$0.00
<u>Electrical/Traffic Engineer</u>	0	X	\$45.00		\$0.00
<u>CAD Tech</u>	88	X	\$37.00		\$3,256.00
<u>Admin</u>	8	X	\$20.00		\$160.00
			TOTAL DSC =		<u>\$8,570</u>
Overhead (OH COST - including Salary Additives):					
OH Rate x DSC of	140.85%	x	<u>\$8,570</u>	=	<u>\$12,070.85</u>
Fixed Fee (FF):					
FF Rate X DSC of	27%	x	<u>\$8,570</u>	=	<u>\$2,313.90</u>
Reimbursables:					
Mileage	55		\$0.535		<u>\$29.43</u>
Full Size Plan Production	7		\$6.00		<u>\$42.00</u>
Subconsultant Costs (TranspoGroup for additional Traffic Control Plans)					<u>\$1,100.00</u>
Grand Total					<u>\$24,126.17</u>

Prepared by: TranTech Engineering, LLC

Date: August 9, 2017