

RESOLUTION NO. 1771

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF FIFE, PIERCE COUNTY, WASHINGTON AUTHORIZING THE CITY MANAGER TO EXECUTE SUPPLEMENT NO. 6 TO THE CONTRACT WITH KPG, INC. FOR DESIGN WORK FOR PACIFIC HIGHWAY/SR99 – PEDESTRIAN & STORMWATER IMPROVEMENT PROJECT

WHEREAS, the Pacific Highway/SR 99 Pedestrian & Stormwater Improvement Project is listed as projects 2 and 3 in the City's 2017-2022 Transportation Improvement Program; and

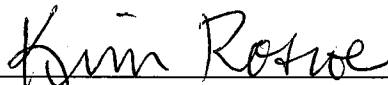
WHEREAS, the proposed project includes the reconstruction of the north side of Pacific Highway/SR 99 from 54<sup>th</sup> Avenue East to 66<sup>th</sup> Avenue East, to include curb, gutter, sidewalks, and drainage improvements, a second left turn lane from westbound Pacific Highway to southbound 54th Avenue, and conversion of overhead utilities to underground; and

WHEREAS, the City advertised for consultants for design work for the project and selected KPG, Inc. as most qualified and has negotiated a scope of work and contract terms with KPG; and

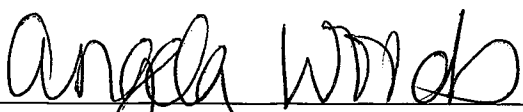
WHEREAS, in order to complete the plans, specifications, and estimate for the Project, additional work is required that was not included in the original scope, which additional work is set forth in Exhibit A to the attached Supplement No. 6; now therefore

BE IT RESOLVED that the Fife City Council hereby authorizes the City Manager to execute Supplement No. 6 to the contract with KPG, Inc. in the amount of \$\$187,635 design and engineering services for the Pacific Highway/SR 99 Pedestrian & Stormwater Improvement Project in the form attached hereto as Exhibit A.

ADOPTED by the City Council at an open public meeting held on the 27<sup>th</sup> day of June, 2017.

  
\_\_\_\_\_  
Kim Roscoe, Mayor

Attest:

  
\_\_\_\_\_  
Angela Woods, City Clerk



**Washington State  
Department of Transportation**

<b>Supplemental Agreement Number</b> <u>6</u>		Organization and Address	
Original Agreement Number KPG #13064		KPG, Inc. 2502 Jefferson Avenue Tacoma, WA 98402 Phone: 253-627-0720	
Project Number	Execution Date 6/19/2017	Completion Date 12/11/2017	
Project Title SR99 Improvements Project	New Maximum Amount Payable \$946,756		
Description of Work Additional work related to changes in the overall scope and complexity of the project. Major items include: Increased WSDOT coordination, increased environmental/ECY Cross Cutter Report and Checklist, increased ROW acquisition and coordination, redesign of CenturyLink, coordination and design of Zayo Group Improvements, and inclusion of WAVE Broadband in the JUT.			

The Local Agency of City of Fife  
desires to supplement the agreement entered in to with KPG, Inc.  
and executed on 10/11/2013 and identified as Agreement No. 13064

All provisions in the basic agreement remain in effect except as expressly modified by this supplement.  
The changes to the agreement are described as follows:

**I**

Section 1, SCOPE OF WORK, is hereby changed to read:  
See Attached Exhibit A


**II**

Section IV, TIME FOR BEGINNING AND COMPLETION, is amended to change the number of calendar days for completion of the work to read: 12/17/2018

**III**

Section V, PAYMENT, shall be amended as follows:  
Previous Maximum Amount Payable = \$759,121, Supplement #6 = \$187,635. New Maximum Amount Payable = \$946,756

as set forth in the attached Exhibit A, and by this reference made a part of this supplement.  
If you concur with this supplement and agree to the changes as stated above, please sign in the Appropriate spaces below and return to this office for final action.

By: \_\_\_\_\_ By: \_\_\_\_\_  
 \_\_\_\_\_  
Consultant Signature Approving Authority Signature

\_\_\_\_\_ Date

# EXHIBIT A

City of Fife  
SR 99 Improvements Project  
Supplement #6  
Scope of Work  
May 16, 2017

## INTRODUCTION

This supplemental scope includes additional work related to changes in the overall scope and complexity of the project. Major items which have affected the required effort include:

- Extended project duration
- Increased WSDOT coordination
- Increased design complexity
- Increased Environmental due to ECY Grant, preparation and coordination of the ECY Cross Cutter Report and Checklist
- Increased ROW acquisition and coordination
- Redesign of Century Link
- Coordinating and design of Zayo Group improvements.
- Coordination and redesign of PSE Gas relocation
- Inclusion of WAVE Broadband in the JUT

## SCOPE OF WORK

### **Task 1.0 – Management/Coordination/Administration**

The project duration has been extended from the previously estimated April, 2016 to the end of 2018.

This extended project duration is due to several factors including right of way acquisition, project funding needs, and utility coordination. This increase project duration has a direct impact on the project budget by increasing this task by twenty months. \$13,000

### **Task 7.0 – Roadway Design**

The initial project started out as a saw cut and widen to add a bike lane, 4-foot planter strip, and sidewalk along with undergrounding of the existing overhead utilities. The complexity of this project has greatly changed from that which was known at the time the original scope and budget was prepare. This increase in complexity can be seen in the increase in estimated construction cost as well as the increase in the required plan sheets (originally 96 now more than 117 plan sheets). Some of the factors that have increased the required design effort include:

## EXHIBIT A

- Major underground existing utilities conflicts and required relocations
- Addition of bio-filtration swales
- Addition of an irrigation system
- No longer allowing the Fife Ditch as being detention exempt for storm water flow control
- Capacity expansion of the existing franchised utilities
- Addition of new private utilities which were not present at the on-set of the design
- Addition of advanced lane assignment mast arm
- Multiple iterations of pedestrian bridge design based on private utility involvement
- Reconstruction of all curb ramps and radii at the intersection of 54<sup>th</sup>
- Revision of project specifications to conform to ECY requirements set forth in the grant and loan

Although some of the above items were included within previous supplements and other not, combined they have greatly increased the design effort for all components of the project. This increase in project complexity has resulted in \$50,900 to date and an estimated \$15,000 in cost to complete the design. Total estimated budget impact = \$65,900.

### **Task 5.0 – WSDOT Coordination**

The original scope of work and supplement accounted for WSDOT review and comments on impacts to WSDOT limited access right-of-way, signal permits, project analysis for required deviations and channelization plan approval. All of these items were completed and approved by WSDOT prior to 2017. After the receiving approved signal plans, WSDOT requested that the traffic signal detection system be changed to a Wavetronix system, and then later communicated to the design team that there was an existing fiber interconnect that required another redesign. In addition to the above submittal requirements, WSDOT is currently reviewing the project plans and special provisions for items such as temporary traffic control plans, work hours, formatting comments, liquidated damages, temporary restoration, and signage. As requested by WSDOT and approved by the City, KPG is currently on the third submittal. Each resubmittal has addressed all WSDOT review comments received in the previous submittal. We are hopeful that the submittal package delivered on 5/10/17 will be approved or only minor comments will be received. Other on-going effort associated with WSDOT is coordination of right-of-way acquisition associated with the future 70<sup>th</sup> Street relocation at the east end of the project. This increase in WSDOT coordination resulted in \$15,400 to date and an estimated \$2,000 in cost to complete the design. Total estimated budget impact = \$17,600.

### **Task 10.0 – Environmental**

The project duration has been extended from original scope of work did not anticipate the need for permit approval by the Department of Ecology (ECY). As a condition of the ECY grant, the project is

## EXHIBIT A

required to ensure that NEPA and SEPA documentation is in compliance with funding requirements (associated with loan portion of the agreement). To do this, ECY requires that a Cross Cutter Report and check list be prepared. This report and checklist is unique to the ECY funding and was not known until after the ECY grant allocation. Additional effort includes preparation of the Cross-cutter checklist, report, preparation of supporting drawings and coordination. This increase in effort associated with the ECY Cross Cutter Report resulted in \$6,000 to date and an estimated \$3,000 in cost to complete. Total estimated budget impact = \$8,000.

### **Task 13.1 – CenturyLink Redesign**

Task 6 under Supplement 5 accounted for coordination required to assist Century Link (CL) in relocation of their existing underground facilities. Since that time, KPG completed the design and coordination effort. At our 10/14/16 utility coordination meeting, Century Link informed the City that their design has changed and they now want to be included within the JUT where possible. As a part of the redesign, CenturyLink wanted to be included within the bridge section of the Fife Ditch crossing. KPG coordinated with the Structural engineer to make the requested revisions and reviewed construction phasing options. Due to cost impacts CenturyLink is now providing an aerial crossing north of the project extents, and the pedestrian bridge design was modified to remove the CenturyLink utility crossing. The estimated total impact as a result of the required redesign to accommodate changes by CenturyLink is \$24,255 (\$21,255 already expended and estimated \$3,000 to complete). Total Supplement for Task 13.1 Century Link Redesign is \$24,255.

CenturyLink requested that the City provide construction staking to aid in the relocation of their facilities prior to construction. The extent of the required redesign and the amount of construction staking is unknown at this time. Construction assistance and survey, if required, for relocation of CenturyLink facilities is not included within this supplement.

### **Task 13.2 – Comcast**

Similar to CenturyLink, at near completion of the 90% construction drawings, Comcast made major modifications to the number of conduits and number and size of required vaults. It is our understanding that these modification were required to allow for future Comcast expansion. The estimated total impact as a result of the required redesign to accommodate changes by Comcast is \$18,300 (\$16,300 already expended and estimated \$2,000 to complete). Total Supplement for Task 13.1 Comcast Redesign is \$18,300.

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### **Task 13.3 – Zayo Group**

The original scope of work and supplements does not include effort for coordination or design relocation of infrastructure for Zayo. It was KPGs' understanding that the Zayo Group would install infrastructure on 15<sup>th</sup> Street east. Without coordination with the already designed SR99 improvements, Zayo installed a new system within the SR 99 Pedestrian Improvements project limits. KPG has been required to redesign improvements, provide additional coordination, modify survey base map, provide additional field survey, design relocation of Zayo facilities, and modify the contract as a direct result of Zayo installing facilities within the project limits during the design process. As of 4/26/17, KPG has expended \$8,960 of effort. Currently Zayo is in the process of providing As-built information so that KPG can determine what additional impacts are present and what redesign will be required. Work to be completed, on-going coordination with Zayo (assume 3 months 9 hours = \$1,260), field survey of existing facilities (2 crew days + base map modifications = \$3,360), design modifications (assume 40 engineer/drafting hours = \$4,600). Estimated cost to complete - \$9,220 + already expended - \$8,960 = \$18,180.

### **Task 13.4 – Wave Broadband (optional upon Approval of Wave)**

This Task includes the effort required to revise the 90% Plans, Specifications and Estimates (PS&E) to include the new fiber/telemetry utility design into the current 90% plans. Once the 90% (PS&E) has been reviewed by the City, the Consultant shall prepare Final Bid Documents. This effort includes:

- Estimated increase in design duration and associated project management is 1 month.
- The consultant shall revise the 90% plans for review and approval by the City. The 90% submittal will include all comments received interim 90% submittal and the following sheets revised and/or added to the Estimated plan set:

- 1 Cover Sheet (revised)
- 1 Legend and Abbreviations (revised)
- 3 Underground Plans (revised)
- 3 Joint Utility Trench Conduit Schematics (revised)
- 2 Utility Trench Cross Sections (revised)
- 1 Undergrounding Details (new)

**Total: 1 New Sheet, 10 Revised Sheets**

- The Consultant shall prepare Final Bid Documents for review and approval by the City. The Final Bid Documents will include all comments received from the 90% review and will be complete set of contract drawings. Final Bid Document submittal will include the revised/added plan sheets shown above.

## EXHIBIT A

- The Consultant will prepare 90% and Final Bid Document specifications, quantities, and estimates.

Estimated effort to include Wave into the contract documents \$22,400

Task Description	Amount
Task 1.0 – Management/Coordination/Admin.	\$ 13,000.00
Task 7.0 – Roadway Design	\$ 65,900.00
Task 5.0 – WSDOT Coordination	\$ 17,600.00
Task 10.0 – Environmental	\$ 8,000.00
Task 13.1 – CenturyLink Redesign	\$ 24,255.00
Task 13.2 – Comcast	\$ 18,300.00
Task 13.3 – Zayo Group	\$ 18,180.00
Task 13.4 – Wave Broadband	\$ 22,400.00
Total Supplement Amount =	\$ 187,635.00