

## Contract Supplement

<u>Project Name:</u> Transportation System Plan	<u>Contract Modification #:</u> 2
<u>Type of Work:</u> Transportation Engineering/Planning	<u>Original Contract Date:</u> 5/8/12
<u>Contractor:</u> KPG Inc.	<u>Date:</u> 11/26/13
<u>KPG Project #:</u> 12015	<u>Page:</u> 1 of 1

### DESCRIPTION OF CHANGE:

The following modifications to the Contract are hereby ordered:

The scope of work is increased as shown in Exhibit A prepared by KPG. This Supplemental Agreement is added to this Contract. The project budget shall be increased by \$10,957 shown in Exhibit B.

### CONTRACT AMOUNT:

Original Contract Amount	\$400,000
Current Modified Contract Price	\$713,409
Amount of this Contract Modification (Increase/Decrease)	\$10,957
New Modified Contract Price	\$724,366

The completion date is changed to 6/31/2014.

By the signatures below, the parties agree that this Contract Modification constitutes full and complete compensation and necessary adjustments to schedule for the issues giving rise to the modification. The work covered by this modification must be performed under the same terms and conditions as that included in the original contract.

### CITY OF FIFE

Approved by: David Cole  
ACTING CITY MANAGER

Title: City Manager

Date: 12.06.13

Approved by: [Signature]

Title: Principal

Date: 11.27.13

APPROVED AS TO FORM:

[Signature]  
City Attorney

## Exhibit A

# City of Fife Freight and Good Transportation System Classification and 54<sup>th</sup> Avenue Transportation and Graphic Support

## SCOPE OF WORK – DRAFT November 26, 2013

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This is a two part scope of work that describes the tasks Fehr & Peers and KPG will perform to assist the City of Fife. Part 1 will develop and document Freight and Good Transportation System (FGTS) classifications for select existing and planned truck routes within the City of Fife. Part 2 will create a graphic showing the potential transportation improvements for reopening 54<sup>th</sup> Avenue E at the Union Pacific Railroad crossing.

### Part 1 - Freight and Good Transportation System Classification

KPG and Fehr & Peers will develop and document Freight and Good Transportation System (FGTS) classifications for select existing and planned truck routes within the City of Fife. As identified by City Staff, the following roadway segments will be included in the analysis:

1. 12<sup>th</sup> Street E from Port of Tacoma Road to Alexander Avenue E
2. 12<sup>th</sup> Street E from Alexander Avenue E to 54<sup>th</sup> Avenue E
3. 12<sup>th</sup> Street E from 54<sup>th</sup> Avenue E to 62<sup>nd</sup> Avenue E
4. 8<sup>th</sup> Street E west of 54<sup>th</sup> Avenue E
5. 8<sup>th</sup> Street E from 54<sup>th</sup> Avenue E to 62<sup>nd</sup> Avenue E
6. 62<sup>nd</sup> Avenue E from SR 99 to 8<sup>th</sup> Street E
7. 66<sup>th</sup> Avenue E from Valley Avenue E to 20<sup>th</sup> Street E
8. 26<sup>th</sup> Street E from 66<sup>th</sup> Avenue E to 70<sup>th</sup> Avenue E
9. Freeman Road E from N Levee Road E to Valley Avenue E
10. Freeman Road E from Valley Avenue E to future development driveway

#### Task 1: 2040 Travel Demand Modeling

Forecast 2040 PM traffic volumes using the base-year 2040 Fife Travel Demand Model developed for the 54<sup>th</sup> Avenue E/I-5 IJR Project. Refine the 2040 Model to ensure the transportation network is consistent with Transportation Plan assumptions and add detail to the study segments as needed. Following any updates, we will run the 2040 Model and extract directional PM peak hour vehicle volumes for the 10 study segments.

## **Task 2: Develop 2040 Average Daily Truck Volumes for each Classification Type**

Convert the 2040 PM peak hour volumes to 2040 average daily volumes using factors from daily counts on the study segments and nearby streets. Develop 2040 average daily truck volumes for each classification type using the following data:

- 2013 daily truck classification counts performed at four locations in the City of Fife
- Future Port of Tacoma Development Plans
- Benaroya Business Park Traffic Impact Analysis
- DCT Fife-Freeman Traffic Impact Analysis
- DCT Fife 45 Traffic Impact Analysis

## **Task 3: Calculate Annual Truck Tonnage for Select Segments**

Use WSDOT's recommended methodology to convert truck volumes to annual truck tonnage estimates for the 10 study segments. Classify the 10 study segments per WSDOT Freight Route Classifications T1 through T5.

## **Task 4: Documentation**

Document our methodology, findings and freight route classifications in a short memorandum.

## **Part 2 – Potential Transportation Improvements for Reopening 54<sup>th</sup> Avenue E**

### **Task 5: 54<sup>th</sup> Avenue E Graphic showing Potential Transportation Improvements**

Work with City staff to create a graphic showing the potential transportation improvements for reopening 54<sup>th</sup> Avenue E at the Union Pacific Railroad crossing. This work is a continuation of earlier efforts to analyze the effects of reopening 54<sup>th</sup> Avenue E and recommend potential improvement projects. The graphic will show transportation improvements in the 54<sup>th</sup> Avenue E corridor between N Levee Road and Valley Avenue E. The graphic will include an aerial photo of the 54<sup>th</sup> Avenue E corridor and have 6 to 10 call-out boxes showing the improvements. KPG will use preliminary designs, example photos and diagrams to show the improvements.

## Exhibit B

### Hour and Fee Estimate

**KPG**

◆ Architecture ◆  
◆ Landscape Architecture ◆  
◆ Civil Engineering ◆

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**PROJECT: City of Fife Freight and Good Transportation System Classification and 54th Avenue Graphic Support**

**DATE: November 26, 2013**

		SUMMARY OF STAFF LABOR HOURS BY TASK							
		KPG Senior Planner	KPG Support	F & P Senior Manager	F & P Senior Planner	F & P Planner	F & P Support		
TASK #	TASK DESCRIPTION	\$ 115.00	\$ 85.00	\$ 205.00	\$ 160.00	\$ 128.00	\$ 105.00	Hours	Task Total
1	<b>2040 Travel Demand Modeling</b>								
	Task 1 Hours =				2	8	2	12	\$1,554
2	<b>Develop Daily Truck Volumes</b>								
	Task 2 Hours =	8	6					14	\$1,430
3	<b>Calculate Annual Truck Tonnage</b>								
	Task 3 Hours =		4					4	\$340
4	<b>Documentation</b>								
	Task 4 Hours =	6	2	2		6		16	\$2,038
5	<b>54th Avenue Graphic</b>								
	Task 5 Hours =	14	40					54	\$5,010
<b>OTHER DIRECT COSTS</b>									
	Truck Classification Counts								\$585
	<b>Hours</b>	28	52	2	2	14	2	100	
	<b>Total</b>	\$3,220	\$4,420	\$410	\$320	\$1,792	\$210		
								<b>TOTAL =</b>	<b>\$10,957</b>