Washington State Department of Transportation

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Task Order Amendment

All terms and conditions of this agreement are in full force and effect for this Task Order document.

Agreement No.	Y-10025
Task No.	AB
Amendment No.	02

On-Call Agreement Manager Information

Agreement Manager	Phone	Org.	Mailstop
Mark Gabel	360-705-7457	303017	47336

Mailing Address			
310 Maple Park Avenue SE	Olympia	WA	98504-7336

Project Manager Information *(If different from On-Call Agreement Manager)*

Project Manager	Phone	Org.	Mailstop
Doug Ficco	360-737-2726	441101	S-15

Mailing Address			
700 Washington street, Suite 300	Vancouver	WA	98660-3177

Project Information

Project Title	
I-5 Columbia River Crossing/Vancouver	
State Route No(s).	County(s)
I-5	Clark

Task Schedule

Amendment Start Date	Task End Date
July 18, 2007	December 31, 2007

← No payment will be made for work done **PRIOR** to Amendment Start Date or for work done **AFTER** Task End Date

Task Cost

Prior Task Amount → $305,393.00

Work Order No.	Org. Code	Amount	Fed. Aid Part.?	This section required if there is Fed. Aid Part.	
				Fed. Aid Project No.	Fed. Aid Part. %
XL2268	441101	$20,000.00	(●) Yes ( ) No	DEMO-005(260)	100
			( ) Yes ( ) No		
			( ) Yes ( ) No		
			( ) Yes ( ) No		
			( ) Yes ( ) No		
			( ) Yes ( ) No		
			( ) Yes ( ) No		
			( ) Yes ( ) No		
			( ) Yes ( ) No		
			( ) Yes ( ) No		

Amended Task Amount →	$20,000.00
Total Task Amount →	$325,393.00

Consultant Information

Prime Consultant	Contact
HDR Engineering, Inc.	Mr. Gene Sacco/Mr. Mike Ofenstein

Address			
500 108th Avenue NE, Suite #1200	Bellevue	WA	98004-5549

Phone	Fax	E-Mail	Federal I.D. No.
425.453.1523	425.453.7107	gsacco@hdrinc.com	47-0680568

Are there any Subconsultants working on this Amendment? ☐ Yes ☒ No
If Yes, complete the Subconsultant Worksheet and return with signed Task Amendment.

Approval Signatures

*****Note: Two original signed Documents are required.*****

Consultant

Washington State Department of Transportation

Agreement Manager *(Signature required for execution of document ONLY for Communications and Public Involvement and Environmental Services Agreements)*

DOT Form 130-010 EF
Revised 11/2003

Agreement No. Y-10025
Task No. AB
Amendment No. 02

Scope of Task Order

Provide description of work and reference attachments for prime consultant and all subconsultants (to include detailed description of work schedule and estimate).

Report Due Date

Per George Humphrey additional work is needed. The scope remains the same.

Distribution: Originals: ☒ Consultant ☒ Accountant
Copies: ☒ File ☒ Task Manager ☒ Consultant Services ☒ Other _____

DOT Form 130-010A EF
Revised 8/2003

Scope of work: Cost Risk Assessment

The objective of the study is to update the cost risk assessment for various Columbia River Crossing alternatives that are currently under review. The analysis will develop a comprehensive assessment of the cost and schedule while accounting for uncertainty surrounding key activities within the planning, design, and construction stages.

The process consists of four key tasks as follows:

Task 1. Assess the uncertainty in the baseline cost and schedule

This task consists of working closely with the team and cost estimators to determine their level of confidence in the estimates and develop ranges around key cost categories to reflect the uncertainty as it relates to the quantities and prices.

The initial project team estimates usually include allowances and/or contingencies, without regard to specific risk events. The risk analysis process requires separating the project team estimate into a base component and other components that represent risk and other uncertainties. The base estimate is defined as the project estimate if the project were 'to go as planned', without contingencies or allowances.

Task 2. Assess Uncertainty and Risk

This task will consist of a development of a flowchart together with a development of a risk register. The flowchart will be based on the Gantt chart already developed by the project team. Similarly the risk register will be based on the initial list of risks identified by the team. This task will also include a workshop involving an open and transparent process to quantify the identified risks.

Task 3. Quantifying Uncertainty in the Project Cost and Schedule

This task will develop and implement a probabilistic model for quantifying uncertainty in project performance measures. Current and year of expenditure cost forecasts are provided as outcomes in the model. The task will also incorporate WSDOT current escalation assumptions within the cost risk model.

Team 4. Documentation and Applications

After the probabilistic analysis is complete, the results are then interpreted, documented and reported to the project team. Standard results include total project cost and schedule distributions both in terms of current dollars and year of expenditure dollars. The resultant distributions or ranges have specific probability characteristics and are reported as percentage values.
These results will be produced for individual project phases and each alternative. Cash flow curves will also be developed.

Deliverables:

1. Workshop in Vancouver to discuss base cost and quantify risks
2. Draft presentation in MS Powerpoint format, summarizing the results a week after the workshop, and
3. Final report incorporating comments from the team.

Cost Risk Assessment Budget for Additional Work

	Rate	Hours	Cost
K. Bekka	$286.75	38	$10,896.49
P. Murray	$77.17	118	$9,106.04
Total			$20,002.53