



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

Agreement No.
(To be filled in by Agreement Manager)

Y-10026

On-Call Agreement Manager Information

Task No.

AE

| | | | |
|---|-----------------------|----------------|-------------------|
| Agreement Manager Mark Gabel | Phone 360-705-7457 | Org. 303017 | Mailstop 47330 |
| Mailing Address 310 Maple Park Avenue SE Olympia WA 98504-7330 | | | |

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

| | | | |
|--|-----------------------|----------------|-----------------|
| Project Manager Kris Strickler/Lynn Rust/Frank Green | Phone 360-816-8855 | Org. 441101 | Mailstop S15 |
| Mailing Address 700 Washington Street, Suite 300 Vancouver WA 98660 | | | |

Project Information

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

Task Schedule

| | |
|-------------------------------------|--------------------------------|
| Task Start Date December 2, 2008 | Task End Date June 30, 2009 |
|-------------------------------------|--------------------------------|

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

Task Cost

This section required if there is Fed. Aid Part.

| Work Order No. | Org. Code | Amount | Fed. Aid Part.? | Fed. Aid Project No. | Fed. Aid Part. % |
|----------------|-----------|-------------|---|----------------------|------------------|
| XL2268 | 441101 | \$70,000.00 | <input checked="" type="radio"/> Yes <input type="radio"/> No | AC-HP0051(268) | NotDetermi |
| | | | <input type="radio"/> Yes <input type="radio"/> No | | |
| | | | <input type="radio"/> Yes <input type="radio"/> No | | |
| | | | <input type="radio"/> Yes <input type="radio"/> No | | |
| | | | <input type="radio"/> Yes <input type="radio"/> No | | |
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| | | | <input type="radio"/> Yes <input type="radio"/> No | | |
| | | | <input type="radio"/> Yes <input type="radio"/> No | | |
| | | | <input type="radio"/> Yes <input type="radio"/> No | | |

Total Task Amount → **\$70,000.00**

Consultant Information

| | | | |
|--|-------------------------------------|-----------------------------------|--------------------------------|
| Prime Consultant HDR Engineering, Inc. (Maryland) | Contact Khalid Bekka/Bill Sumner | | |
| Address 8403 Colesville Road, Suite 910 Silver Spring MD 20910 | | | |
| Phone 240-485-2605 | Fax 301-565-0394 | E-Mail Khalid.bekka@hdrinc.com | Federal I.D. No. 52-1877811 |
| Are there any Subconsultants working on this project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, complete the Subconsultant Worksheet and return with signed Task Order. | | | |

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)

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 |
| |

PC-10.01.01 Travel time (if traveling from outside of metro area)
 Travel time and associated costs will be reimbursed based on the state rules and rates for reimbursement qualification. Deliverables: Documentation and proof of payment.

PC-10.01.02 Preliminary activities (hours)
 The consultant may need to prepare for the prep-session including meetings and communication with the project office and coordination with other cost/risk team consultants and participants. Deliverables: Documentation of decisions and assumptions.

PC-10.01.03 Prep-session & documentation
 The main objectives/deliverables of this session are as follows:
 a. Orientation to CEVP/CRA, Training Session about CEVP process.
 b. Preliminary flow-chart and sequence of activities.
 c. Identify the major issues of concern
 d. Identify scenarios and model runs required for the reporting stage.
 e. Review project estimate and offer guidance on preparing the base cost estimate.
 f. Agreement on a draft workshop agenda and participation.
 g. Agreement on action items and reporting dates.

PC-10.01.04 Pre-workshop Activities
 This phase covers activities between the prep and the workshop sessions:
 a. Analytical evaluation of the previous CEVP/CRA results and report
 b. Review of project team inputs and coordination of activities.
 c. Advanced Elicitation Interviews.

PC-10.01.05 Workshop Objectives/deliverables
 a. Review of the CRA/CEVP process.
 b. Finalize the activity flow chart.
 c. Confirm scenarios and model runs required for the reporting stage.
 d. Base cost and schedule validation.
 e. Evaluation of base uncertainty.
 f. Risk elicitation and documenting assumptions.
 g. Elicit risk management strategies at the workshop.
 h. Documentation of assumptions.
 i. Agreement/confirmation of action items and reporting milestones
 j. Follow-up activities as identified.

PC-10.01.06 Develop risk analysis model and perform analysis
 Review and organize input data and material from workshop. Complete risk register. Develop and document risk analysis model. Perform QA/QC on the analysis in conjunction with the CREM office, risk leads, cost leads, SMEs, and project team as appropriate. Run simulations to generate risk analysis results: identify key risks. Deliverables: @Risk Model and explanation of logic and process.

PC-10.01.07 Develop briefing materials for preliminary results presentation
 Using results, develop a presentation and submit findings (deliverables):
 a. Cost and schedule ranges for each scenario being considered in current year as well as year of expenditure.
 b. Top cost and schedule risks that the project may be facing (duly quantified)
 c. Breakdown of cost into PE/ROW/Construction.

PC-10.01.08 Preliminary results presentation
 Attend and present preliminary results at the project office if requested.

PC-10.01.09 Draft and Final Report, incorporating feedback from participants
 Create draft report of results based on the outline available on the CREM website including the "one-pager", incorporating inputs from the project team, cost and construction SMEs, as well as any feedback from reviewers. Finalize report appropriately formatted including the risk management plan spreadsheet (RMP) and submit to CREM Office and Project Manager.

PC-10.01.10 Additional Requested Analysis (if required) and Report Update
 Requests for work that will result in exceeding the total task amount will require prior approval and a task amendment.

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

Project: Columbia River Crossing CEVP Workshop (Prep Session Date: 2-Dec-08)

Cost Estimate: Risk Lead: HDR

Agreement: Agreement # 10026

Task Order: Task Order # AE

Amendment: Amendment #

< Enter data only in the yellow highlighted cells if applicable

< Formula cells: Please do not enter data in these cells

< For tips move cursor over red tags

| HOURS: | | | | | | |
|---|--|-----------------|--------------|------------|------------|--|
| WBS (MDL) | Tasks | Classification: | Principal | Senior | Subtotals | |
| PC-10 | Cost Risk Estimate & Management | Res Name: | Khalid Bekka | John Stout | | |
| PC-10.01 | CEVP® or CRA | Rate (\$/hr); | 104.59 | 41.79 | (Hrs) | |
| PC-10.01.01 | Travel time (if traveling from outside of metro area) | | 26 | 16 | 42 | |
| PC-10.01.02 | Preliminary meetings & activities if requested (hours) | | 12 | 16 | 28 | |
| PC-10.01.03 | Prep-session & documentation if requested (hours) | | 16 | 16 | 32 | |
| PC-10.01.04 | Pre-workshop Activities if required (hours) | | 8 | 8 | 16 | |
| PC-10.01.05 | Workshop (hours) | | 40 | 56 | 96 | |
| PC-10.01.06 | Develop cost inputs for risk analysis model (hours) | | 8 | 16 | 24 | |
| PC-10.01.07-08 | Briefing material and results presentation (if requested) | | 8 | 16 | 24 | |
| PC-10.01.09 | Draft and final Report incorporating inputs and comments | | 8 | 40 | 48 | |
| PC-10.01.10 | Additional work (if specifically instructed by CREM office or proj team) | | 8 | 8 | 16 | |
| Total hours (including 10.01.10) | | | 134 | 192 | 326 | |

| COSTS: | | | | | | |
|--------|--|---------------|------------------|------------------|---------------------|--|
| ID # | CEVP® Workshop and Report Preparation | Res Name: | Khalid Bekka | John Stout | Subtotals | |
| | | Rate (\$/hr); | 104.59 | 41.79 | (\$) | |
| 1 | Overhead as % of direct labor | 164.22% | 171.76 | 68.63 | | |
| 2 | Fixed Fee as % of direct labor | 30.00% | 31.38 | 12.54 | | |
| 3 | Fully loaded rate | | 307.72 | 122.95 | | |
| 4 | Total Direct Labor Cost (loaded rate x hours) | | 41,235.11 | 23,607.27 | 64,842.38 | |
| 5 | Per Diem totals for traveling resources | | \$ 392.00 | \$ 392.00 | 784.00 | |
| 6 | Lodging totals for traveling resources | | \$ 840.00 | \$ 840.00 | 1,680.00 | |
| 7 | Rental Car | | \$ 500.00 | \$ - | 500.00 | |
| 8 | Parking (rate x day) | | \$ 50.00 | \$ - | 50.00 | |
| 9 | Air Travel | | \$ 1,200.00 | \$ 800.00 | 2,000.00 | |
| 10 | Postage | | \$ - | \$ - | - | |
| 11 | <Other costs (consultant to identify)> | | \$ - | \$ - | - | |
| 12 | Total Other Costs | | 2982.00 | 2032.00 | 5,014.00 | |
| 13 | Total Cost Est | | 44,217.11 | 25,639.27 | \$ 69,856.38 | |

Rounded and c/fwd to Task Order

\$ 70,000.00

References

- Task Order
- WSDOT On-Call Agreement: Exhibit ?? (Schedule of rates)

Consultants Notes (no extra contractual conditions will be accepted)