



May 19, 2015

Tyler Schroeder, Executive Office's Project Manager  
Whatcom County Executive's Office  
311 Grand Avenue, Suite 108  
Bellingham, WA 98225

Subject: Contract No. 201205028 (CH2M HILL Project No. 439402)  
Gateway Pacific Terminal and BNSF Custer Spur Modification Projects  
March 28 through April 24, 2015

Dear Mr. Schroeder:

This progress report provides a summary by task of work performed by CH2M HILL and subconsultants on the Gateway Pacific Terminal/Custer Spur EIS contract during April 2015. To simplify the review of the overall invoice and progress status, we have included a summary table showing the invoices and percent complete by each top task for each subconsultant.

Team activities in April continued to focus on alternatives analysis, development of draft affected environment sections, and coordination with the co-leads and applicants on engineering assumptions. In addition, the management team continued work planning efforts and development of the detailed project schedule. The following provides a summary of the team's work efforts during this period, along with outstanding questions and issues.

## I. Work Completed this Period

### Task 1: Project Management Tasks

#### *Meetings and Coordination*

- Co-lead meetings on April 8 and 29; applicant call on April 22
- Consultant management team meetings on March 30, April 6, April 13, and April 20
- Ongoing coordination with project team and co-lead agencies

#### *Schedule*

- Prepared a Primavera schedule with updated linkages and improved tracking of critical path; factored in additional requested agency review time frame for technical reports. Anticipated publication for NEPA and SEPA Administrative Draft EISs remains spring 2016.

#### *Non-billable items completed this month:*

- Recording progress and invoicing

## Task 2: Public Involvement

Minor work to update project website.

## Task 4: Project Definition and Purpose and Need

- No efforts this month.

## Task 5: Alternative Analysis

- **Offsite Alternatives (NEPA):** Revised the two offsite alternatives memoranda submitted to Corps in March (one documenting potential offsite alternatives and screening results for the GPT facility, the other for Custer Spur).
- **Onsite Alternatives (NEPA and SEPA):** Reviewed and discussed co-lead agency comments on the draft onsite alternatives screening memorandum submitted in March. At Corps request, drafted a separate alternatives screening and initial analysis memorandum for NEPA and submitted for Corps review. Met with applicants to discuss recommendations for onsite alternatives to be developed for analysis in the EIS.

## Task 6: Resource Analyses

### *Applicable to both NEPA and SEPA:*

- **Field Visits and Applicant Submittal Review:** Coordinated with applicant's consulting staff to accompany them on water and sediment quality sampling in April. Reviewed applicants' QAPP and worked with applicants on protocols and parameters for water quality sampling and requested review of QAPP. This coordination was not included in the original scope of services and is addressed in Amendment 5.
- **Gap assessments:** Analysts continued working to finalize gaps based on newly submitted materials from the applicants and followed up with applicant consultant staff to address missing information and/or metadata.
- **GIS efforts:** Input new data received and developed maps to support existing conditions analysis.
- **Data coordination:** Ongoing tracking and posting of applicant reports, materials received from Co-Leads, and provision of SharePoint access to all materials for NEPA, SEPA and cooperating agencies with restricted access embedded.
- **Natural Environment, Built/Social Environment, and Health/Risk:** Discipline leads continued to draft affected environment sections of technical reports. A risk assessment workshop was held to begin developing the framework for assessing project-related risks and resulting impacts.
- **Vessel Traffic Study:** A conference call was held to follow up on questions from the CH2M HILL team following the March 6 VTRAS meeting. The applicants agreed to provide responses and additional data by the end of May.

### *Applicable to SEPA only:*

- **Rail Modeling:** Initial model results for the statewide rail analysis were prepared for internal team review and QC.
- **PM Study:** Continued work planning for PM Study, including identification of potential sampling locations.

## Task 7: Draft EIS

- No work performed during this period.

## Task 10: Administrative Record

- Ongoing recording of information.

## II. Outstanding Questions or Issues

The following issues need to be addressed:

- **New scope items:** CH2M HILL Amendment 5, which was submitted in March, includes scopes of work for particulate matter sampling, GHG emissions modeling, a shade study, and a nearshore habitat survey. In addition, CH2M HILL team staff have begun to accompany applicant consultant team members on field visits for fish surveys and water quality/sediment quality sampling. CH2M HILL team staff have also begun to review study plans, reports, and other submittals related to resource surveys, stormwater modeling, and groundwater modeling and provide comments. These work efforts are not budgeted elsewhere and are included in Amendment 5.
- **Project Management:** As noted in the February progress report, increased coordination by the management team and with the applicants is required to improve work planning efficiency and maintain schedule. These increased levels of effort are reflected in the management budget for Amendment 5.
- **Inefficiencies and data gaps:** Followup efforts to request missing data/metadata, clarify submittals, and track data requests and receipt continue to require effort by the CH2M HILL team. Amendment 5 includes a task to address this effort.
- **Schedule:** The team is updating the project schedule to refine the critical path and the linkages among work elements. We remain on track for publication in spring 2016. However, there has been discussion of longer or additional reviews by Co-Lead or cooperating agencies; these would lengthen the schedule. The ability of the applicants to meet the schedule for engineering development of the EIS alternatives is another variable that may affect progress. The team will work proactively with the Co-Leads to maintain schedule performance while recognizing the importance of thorough reviews and well-documented alternatives.
- **Amendment 5 approval:** The current contract has been extended to May 31 to allow for the execution of Amendment 5. As mentioned in previous progress reports, the project management budget has been fully expended for some firms and is nearly expended for others. Amendment 5 includes funding to extend project management activities through May 2016. Should approval of the amendment be delayed past May 31, an additional contract schedule extension will be needed, and temporary adjustments in funding will need to be made in order to cover project management expenses until the amendment can be approved.

Sincerely,



**Jenifer Young**  
Project Manager

**Gateway Pacific Terminal - Phase 2 Earned Value through:**

**4/24/2015**

**Estimate of Percent Complete, As Provided by Consultants**

| Task No               | Task Name                  | CH2MHILL   | APPLIED SCIENCE ASSO | BST        | CONFLUENCE | CRITIGEN   | CWA        | ELEMENTS    | JASCO     | MAINLINE    | MIT-RODINO | NewFields  | PRR        | CROSS SPECTRUM | SEQUANA    | SWCA       | WHEELER    |
|-----------------------|----------------------------|------------|----------------------|------------|------------|------------|------------|-------------|-----------|-------------|------------|------------|------------|----------------|------------|------------|------------|
| Task 01               | PROJECT MANAGEMENT         | 80%        |                      | 160%       | 250%       |            |            |             |           |             |            |            |            |                | 45%        |            | 15%        |
| Task 02               | PUBLIC INVOLVEMENT         | 25%        |                      |            |            | 11%        |            |             |           |             |            |            | 11%        |                |            |            |            |
| Task 03               | NO ACTION/BASELING (INTER) | 100%       |                      | 6%         |            |            |            |             |           |             |            |            |            |                |            |            | 100%       |
| Task 04               | PROJECT DEFINITION         | 85%        |                      | 27%        | 100%       |            |            |             |           |             |            |            |            |                | 57%        |            | 0%         |
| Task 05               | ALTERNATIVES DEVELOP       | 20%        |                      | 83%        | 89%        | 46%        | 95%        | 0%          |           |             | 0%         |            |            |                | 50%        | 0%         | 1%         |
| Task 06               | RESOURCE ANALYSES          | 40%        | 21%                  | 39%        | 99%        |            |            | 90%         | 0%        | 97%         | 56%        | 28%        |            | 44%            | 12%        | 60%        | 12%        |
| Task 07               | ADMIN DEIS PREP            | 0%         | 0%                   | 0%         | 0%         | 40%        |            |             |           | 0%          | 0%         |            |            | 0%             | 0%         | 0%         | 0%         |
| Task 08               | DEIS PUBLICATIONS          | 0%         |                      |            |            |            |            |             |           |             |            |            |            |                |            |            |            |
| Task 09               | FINAL EIS                  | 0%         |                      |            |            |            |            |             |           |             |            |            |            |                |            |            |            |
| Task 10               | MAINT OF ADMIN RECOR       | 15%        |                      |            |            |            |            |             |           |             |            |            |            |                |            |            |            |
| <b>Total by Firm:</b> |                            | <b>25%</b> | <b>18%</b>           | <b>56%</b> | <b>79%</b> | <b>56%</b> | <b>90%</b> | <b>149%</b> | <b>0%</b> | <b>88%</b>  | <b>56%</b> | <b>28%</b> | <b>11%</b> | <b>36%</b>     | <b>35%</b> | <b>57%</b> | <b>75%</b> |
| <b>Percent Spent</b>  |                            | <b>52%</b> | <b>18%</b>           | <b>56%</b> | <b>84%</b> | <b>56%</b> | <b>93%</b> | <b>149%</b> | <b>8%</b> | <b>123%</b> | <b>56%</b> | <b>35%</b> | <b>11%</b> | <b>43%</b>     | <b>41%</b> | <b>57%</b> | <b>75%</b> |

**Amount Billed to Date by Task by Consultant**

| Task No                                 | Task Name                       | CH2MHILL           | APPLIED SCIENCE ASSO | BST             | CONFLUENCE       | CRITIGEN         | CWA             | ELEMENTS        | JASCO          | MAINLINE         | MIT-RODINO      | NewFields       | PRR            | CROSS SPECTRUM  | SEQUANA         | SWCA             | WHEELER          | TOTAL CONTRACT     |
|---|---------------------------------|--------------------|----------------------|-----------------|------------------|------------------|-----------------|-----------------|----------------|------------------|-----------------|-----------------|----------------|-----------------|-----------------|------------------|------------------|--------------------|
| Phase 2                                 | <b>GATEWAY PACIFIC TERMINAL</b> |                    |                      |                 |                  |                  |                 |                 |                |                  |                 |                 |                |                 |                 |                  |                  |                    |
| Task 01                                 | PROJECT MANAGEMENT              | \$373,122          | \$0                  | \$7,700         | \$91,059         | \$0              | \$0             | \$0             | \$0            | \$0              | \$0             | \$0             | \$0            | \$0             | \$32,925        | \$0              | \$80,020         | \$584,826          |
| Task 02                                 | PUBLIC INVOLVEMENT              | \$4,808            | \$0                  | \$0             | \$0              | \$2,762          | \$0             | \$0             | \$0            | \$0              | \$0             | \$0             | \$7,016        | \$0             | \$0             | \$0              | \$0              | \$14,586           |
| Task 03                                 | NO ACTION/BASELING (INTER)      | \$12,094           | \$0                  | \$840           | \$0              | \$0              | \$0             | \$0             | \$0            | \$0              | \$0             | \$0             | \$0            | \$0             | \$0             | \$0              | \$15,190         | \$28,124           |
| Task 04                                 | PROJECT DEFINITION              | \$86,610           | \$0                  | \$12,230        | \$11,195         | \$0              | \$0             | \$0             | \$0            | \$0              | \$0             | \$0             | \$0            | \$0             | \$2,850         | \$0              | \$8,200          | \$121,085          |
| Task 05                                 | ALTERNATIVES DEVELOP            | \$130,298          | \$0                  | \$65,340        | \$71,819         | \$59,614         | \$35,143        | \$0             | \$0            | \$0              | \$0             | \$0             | \$0            | \$0             | \$10,725        | \$0              | \$25,389         | \$398,328          |
| Task 06                                 | RESOURCE ANALYSES               | \$1,487,198        | \$27,173             | \$5,880         | \$414,119        | \$0              | \$0             | \$55,294        | \$3,117        | \$412,873        | \$57,893        | \$90,040        | \$0            | \$51,710        | \$2,100         | \$130,160        | \$154,378        | \$2,891,935        |
| Task 07                                 | ADMIN DEIS PREP                 | \$0                | \$0                  | \$0             | \$0              | \$129,391        | \$0             | \$0             | \$0            | \$0              | \$0             | \$0             | \$0            | \$0             | \$0             | \$0              | \$0              | \$129,391          |
| Task 08                                 | DEIS PUBLICATIONS               | \$0                | \$0                  | \$0             | \$0              | \$0              | \$0             | \$0             | \$0            | \$0              | \$0             | \$0             | \$0            | \$0             | \$0             | \$0              | \$0              | \$0                |
| Task 09                                 | FINAL EIS                       | \$0                | \$0                  | \$0             | \$0              | \$0              | \$0             | \$0             | \$0            | \$0              | \$0             | \$0             | \$0            | \$0             | \$0             | \$0              | \$0              | \$0                |
| Task 10                                 | MAINT OF ADMIN RECOR            | \$11,709           | \$0                  | \$0             | \$0              | \$0              | \$0             | \$0             | \$0            | \$0              | \$0             | \$0             | \$0            | \$0             | \$0             | \$0              | \$0              | \$11,709           |
| <b>Labor by Firm:</b>                   |                                 | <b>\$2,105,839</b> | <b>\$27,173</b>      | <b>\$91,990</b> | <b>\$588,192</b> | <b>\$191,767</b> | <b>\$35,143</b> | <b>\$55,294</b> | <b>\$3,117</b> | <b>\$412,873</b> | <b>\$57,893</b> | <b>\$90,040</b> | <b>\$7,016</b> | <b>\$51,710</b> | <b>\$48,600</b> | <b>\$130,160</b> | <b>\$283,177</b> | <b>\$4,179,983</b> |
| ODCs                                    | EXPENSES                        | \$15,730           | \$0                  | \$0             | \$3,963          | \$75             | \$3,175         | \$65            | \$0            | \$2,864          | \$5,957         | \$0             | \$0            | \$5,948         | \$2,154         | \$163            | \$5,082          | \$45,176           |
| <b>Total by Firm:</b>                   |                                 | <b>\$2,121,569</b> | <b>\$27,173</b>      | <b>\$91,990</b> | <b>\$592,155</b> | <b>\$191,842</b> | <b>\$38,318</b> | <b>\$55,359</b> | <b>\$3,117</b> | <b>\$415,737</b> | <b>\$63,850</b> | <b>\$90,040</b> | <b>\$7,016</b> | <b>\$57,658</b> | <b>\$50,754</b> | <b>\$130,323</b> | <b>\$288,259</b> | <b>\$4,225,159</b> |
| CH Markup 5% Subs & ODCs:               |                                 |                    |                      |                 |                  |                  |                 |                 |                |                  |                 |                 |                |                 |                 |                  |                  | \$105,966          |
| Authorized Contingency:                 |                                 |                    |                      |                 |                  |                  |                 |                 |                |                  |                 |                 |                |                 |                 |                  |                  | \$0                |
| <b>Total Earned through Date Above:</b> |                                 |                    |                      |                 |                  |                  |                 |                 |                |                  |                 |                 |                |                 |                 |                  |                  | <b>\$4,331,125</b> |



**Bellevue Office**  
 1100 112th Ave. NE, Suite 500  
 Bellevue, WA 98004

**REMIT TO: CH2M HILL HILL Engineers, Inc.**  
 P.O. Box 201869  
 Dallas, TX 75320-1869

Whatcom County Executive's Office  
 Attention: Tyler Schroeder  
 311 Grand Avenue, Suite 108  
 Bellingham, WA 98225

Date: 5/21/2015  
 Project #: 439402  
 Client #: 017622  
 Invoice #: **381029302**

|  |
|--|
| <b>Gateway Pacific Terminal Phase II- Contract Summary</b> |
| For Engineering Services through April 24, 2015            |

| Task                  | Task Name  | Contract Budget       | Earned Amount         | Previous Total        | Balance Remaining     | This Period         |
|-----------------------|--|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
| NB.NB                 | Non-Bill per contract                            | \$109,680.00          | \$79,368.60           | \$75,186.70           | \$30,311.40           | \$4,181.90          |
| P2.01                 | Task 1 - Project Management                      | \$373,401.34          | \$373,121.90          | \$348,975.00          | \$279.44              | \$24,146.90         |
| P2.02                 | Task 2 - Public Involvement                      | \$49,364.00           | \$4,807.50            | \$4,617.50            | \$44,556.50           | \$190.00            |
| P2.03                 | Task 3 - No Action/Baseline (interim scope)      | \$0.00                | \$12,094.00           | \$12,094.00           | (\$12,094.00)         | \$0.00              |
| P2.04                 | Task 4 - Project Definition / Purpose and Need   | \$95,433.00           | \$86,610.40           | \$86,610.40           | \$8,822.60            | \$0.00              |
| P2.05                 | Task 5 - Alternatives Development                | \$306,288.00          | \$130,298.10          | \$117,128.10          | \$175,989.90          | \$13,170.00         |
| P2.06                 | Task 6 - Resource Analyses                       | \$2,319,896.00        | \$1,487,197.70        | \$1,419,195.60        | \$832,698.30          | \$68,002.10         |
| P2.07                 | Task 7 - Preparation of Administrative Draft EIS | \$791,931.00          | \$0.00                | \$0.00                | \$791,931.00          | \$0.00              |
| P2.08                 | Task 8 - DEIS Publications and Printing          | \$62,384.00           | \$0.00                | \$0.00                | \$62,384.00           | \$0.00              |
| P2.09                 | Task 9 - Final EIS                               | \$0.00                | \$0.00                | \$0.00                | \$0.00                | \$0.00              |
| P2.10                 | Task 10 - Maintenance of Admin Record            | \$35,260.00           | \$11,709.00           | \$11,519.00           | \$23,551.00           | \$190.00            |
| P2.SC                 | Subconsultants                                   | \$3,117,743.00        | \$2,103,590.24        | \$1,906,697.22        | \$1,014,152.76        | \$196,893.02        |
| P2.EX                 | Expenses   | \$76,340.00           | \$15,729.86           | \$13,778.47           | \$60,610.14           | \$1,951.39          |
| 5%                    | Mark-Up Subs/Expenses                            | \$159,703.00          | \$105,966.15          | \$96,023.93           | \$53,736.85           | \$9,942.22          |
| <b>BILLABLE TOTAL</b> |  | <b>\$7,387,743.34</b> | <b>\$4,331,124.85</b> | <b>\$4,016,639.22</b> | <b>\$3,056,618.49</b> | <b>\$314,485.63</b> |