RESOLUTION NO. 2402

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BONNEY LAKE, PIERCE COUNTY, WASHINGTON, AUTHORIZING CONTRACT AMENDMENT NO. 2 TO RESOLUTION 2286 AWARDED THE PROFESSIONAL SERVICES AGREEMENT FOR THE DESIGN SR 410 SIDEWALK IMPROVEMENTS FROM ANGELINE BRIDGE TO 192ND AVENUE EAST PROJECT TO SHEA, CARR, JEWELL ALLIANCE

WHEREAS, the City Council approved Resolution 2286 on April 9, 2013 to design sidewalk improvements along SR 410 completing the missing sidewalk link between Downtown and Mid-town; and,

WHEREAS, the Public Works Department added additional work to the original scope of work in order to repair the sewer line under the sidewalk to address future capacity that added traffic control and channelization revisions; and,

WHEREAS, the design team encountered changes to the original scope of work in reference to the structural design effort required for the sidewalk barrier both in complexity as well as length which required the hiring of a structural engineering firm; and,

WHEREAS, the City Council approved Resolution 2358 on February 11th, 2014, the first amendment to the original scope of work, due to this additional effort; and,

WHEREAS, the design team was required to make further due to new constraints imposed by the WSDOT Bridge Office when they determined it would be unacceptable to add any additional weight to the existing bridge after performing a more detailed girder capacity analysis. This new weight restriction required detailed re-design of sidewalk and bridge railing elements that resulted in additional costs and time to the project that this Amendment No. 2 addresses.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BONNEY LAKE, WASHINGTON HEREBY RESOLVES AS FOLLOWS:

That the City of Bonney Lake Council does hereby authorize the Mayor to sign the attached second amendment to the existing design contract with SCJ Alliance in the amount of $27,056.

PASSED BY THE CITY COUNCIL this 22nd day of July, 2014.

[Signature]
Neil Johnson, Jr., Mayor

ATTEST:

[Signature]
Harwood T. Edvalson, MMC, City Clerk

APPROVED AS TO FORM:

[Signature]
Kathleen Haggard, City Attorney
PROFESSIONAL SERVICES
CONSULTANT AGREEMENT
SR 410 Sidewalk Improvements from Angeline Bridge to 192nd Avenue East
(Amendment No.2)

THIS Amendment No.2 to the Agreement dated July 22, 2014, is made and entered into this day, between the CITY OF BONNEY LAKE, a Washington municipal corporation (the "City"); and Shea Carr Jewell Inc., (hereinafter, "Consultant").

In consideration of their mutual promises set forth herein, the parties agree to amend the Agreement dated April 9, 2013, as set forth in the Amendment No.1 dated February 11, 2014. Except as modified by this Amendment No. 2 dated July 22, 2014, all other terms of the parties' Agreement dated April 9, 2013, remain in full force and effect.

AGREEMENT
AMENDMENT NO.2

1. Scope of Work:

The Consultant shall complete in a satisfactory and proper manner as determined by the City, the technical and professional services to provide services for utility undergrounding plans and coordination as described in the Scope of Services (Exhibit A).

3. Payment:

The City shall reimburse the Consultant in accordance with the Payment schedule described in Exhibit B for all allowable expenses agreed upon by the parties to complete the Scope of Services. In no event shall the total amount to be reimbursed by the City, for this additional work exceed the sum of Twenty-seven Thousand and Fifty-Six Dollars ($27,056.00) for a total contract price of Two Hundred and Eight Thousand, One Hundred Fifty-Five Dollars ($208,155.00).

| Original Contract | $133,276.00 |
| Amendment #1      | $47,823.00  |
| Amendment #2      | $27,056.00  |
| **Contract Total**| **$208,155.00** |

Reimbursement under this Agreement shall be based on billings, supported by appropriate documentation of costs actually incurred. It is expressly understood that claims for reimbursement shall not be submitted in excess of actual, immediate cash requirements necessary to carry out the purposes of the Agreement. The reimbursement paid shall constitute full compensation for all out-of-pocket expenses, including but not limited to, all equipment, materials, supplies or reproduction costs, all labor (including overtime), costs for travel, telephone, facsimile and computer use, and all profit and overhead costs. The City shall pay the amount approved for payment in each such invoice within 30 days of receipt.
14. Entire Agreement; Amendments. This Amendment, together with the Attachments, is added and incorporated into the Agreement dated October 25, 2011, and represents the entire and integrated agreement between the City and the Consultant and supersedes all prior negotiations, representation, or agreements. This Agreement may be amended only by a written instrument signed by both the City and the Consultant. The attachments to this Amendment are identified as follows:

Exhibit A consisting of 4 pages
Exhibit B consisting of 2 pages

IN WITNESS WHEREOF, the City and the Consultant have executed this Amendment No. 2 of the Agreement as of the date and year written below.

CITY OF BONNEY LAKE

By: ____________________________
    Neil Johnson, Jr., Mayor

Date: 7/22/2014

SHEA, CARR JEWELL INC.

By: ____________________________
    Perry Shea

Date: ____________________________
EXHIBIT A

SCOPE OF WORK

AMENDMENT 2

SR 410 SIDEWALK PEDESTRIAN IMPROVEMENTS

MP13.91

BONNEY LAKE, WA

Prepared for: John Woodcock, PE, City Engineer
City of Bonney Lake

Prepared By: Perry Shea, PE, Principal
Scott Sawyer, PE, Senior Project Manager

Date prepared: July 1, 2014

Overview

In April 2013, SCJ Alliance (SCJ) contracted with the City of Bonney Lake (City) to prepare final PS&E documents for the SR 410 Sidewalk Improvements from Angeline Bridge to 192nd Avenue East. The original scope and budget was based on the assumption structural modifications were not required for the existing bridge over Angeline Road (Assumptions #5), and on the assumption retaining walls would be structural earth walls (designed by the contractor) or standard plan cast-in-place concrete walls (Phase 3 Understanding bullet #2).

During the work, it was determined structural design was required for the following elements:
- Moment slab and barrier
- Barrier removal and new pedestrian barrier on the bridge and wing wall approaches.
- Geofoam shotcrete covering (detailing only).

The City and SCJ executed Amendment #1 to provide scope and budget for the structural design.

SCJ prepared a technical memorandum in April 2013 for WSDOT review presenting options for constructing sidewalk across the Angeline Road Bridge. WSDOT selected Option 4 from the memorandum via email in May 2013. During final Plans, Specifications, and Estimate (PS&E) review by WSDOT in February 2014, the WSDOT Bridge Office determined it is unacceptable to add any weight to the existing bridge after performing a more detailed girder capacity analysis. The weight restriction requires detailed design of sidewalk and bridge railing elements as described in this Amendment 2.
The following task items are affected by the bridge design change:

- Project Management
- Agency Coordination
- Final Design
- Bidding Services

Assumptions

1. See "Assumptions" per the original contract dated April 9, 2013, except as noted below.

2. Amendment #1 Structural design is limited to the following elements:
   a. Moment slab and barrier
   b. Barrier removal and new pedestrian barrier on the bridge and wing wall approaches.
   c. Geofoam shotcrete covering (detailing only).

3. Amendment #2
   a. No dead load weight can be added to the existing bridge.

Phase 1  Project Management (existing phase)

This phase includes the additional time needed to manage the tasks to plan, manage, and administer the work; attend project meetings and City Council study sessions; and provide quality assurance/quality control.

Task 2  Project Management (existing task)

1) Project Management: Provide Project Management duties as described under Phase 1 of the original contract for Amendment 2 additional services.

Phase 1 Understanding

- Per the original contract.

Phase 1 Deliverables

- Per the original contract.

Phase 6  Agency Coordination (existing phase)

This phase provides services to package, submit, and coordinate with WSDOT for two additional Full Package Submittals as a result of changes in bridge design to meet the "no additional weight" requirement.

Task 1  WSDOT Full Package Submittal (FPS) (existing task)

4) Coordination: Attend up to six meetings with WSDOT to facilitate approval of a "no additional weight" bridge design. An average of two SCJ staff will attend each WSDOT meeting.
5) 3rd and 4th Review: Prepare transmittals and package exhibits and contract plan sheets for submittal to WSDOT.

Phase 6 Understanding
- None.

Phase 6 Deliverables
- Project contract plan sheets and special provisions printed and delivered to Olympic Region Headquarters Building in Tumwater, WA.
  - WSDOT Full Package Submittal #3
  - WSDOT Full Package Submittal #4

Phase 7 Final Design (existing phase)

Task 12 Final Comment Resolution (existing task)
1) Comment Resolution: Respond to WSDOT review comments in a matrix format. Attend meetings with WSDOT to resolve comments and reach agreement on final bridge design.

Task 14 Revise Final Contract Documents (new task)
1) Revise Final Contract Documents: Revise the following contract documents to incorporate changes in bridge railing design to meet the “no additional weight” requirements. Incorporate changes in WSDOT Amendments and General Special Provisions (GSPs) occurring subsequent to February 2014:
   - Summary of Quantities
   - Pedestrian Barrier/Geofoam/Illumination Plan
   - Bridge Railing Type BP Detail
   - Special Provisions
   - Engineer’s Estimate

Phase 7 Understanding
- None.

Phase 7 Deliverables
- Final Contract Documents.

Phase 11 Structural Design by Sargent (existing phase)

New tasks under this phase provide services to evaluate and select a pedestrian bridge railing and sidewalk combination that does not add any weight to the bridge. Initially, SCJ and WSDOT selected a 42” steel railing from Massachusetts, composite sidewalk decking, and light weight concrete. Subsequent to final design agreement, WSDOT required a 54” railing to account for the potential for bicycles on the sidewalk. The AASHTO criteria for pedestrian and bicycle railings is 42” whereas the WSDOT criteria is 42” for pedestrian railings and 54” for bicycle railings.
Task 2  Steel Railing Design (new task)

1) Research 42" Barriers: Research available 42" crash-tested steel barriers from other state departments of transportation and evaluate bridge railing and/or sidewalks alternatives to meet the “no additional weight” requirement.

2) Research 54" Barriers: Research available 54" crash-tested steel barriers from other state departments of transportation and evaluate bridge railing and/or sidewalks alternatives to meet the “no additional weight” requirement.

3) Structural Design/Calculations: Design the steel railing to bridge deck connection. Design the bridge deck replacement (outside edge of outside girder to edge of deck). Design concrete curb to deck connection. Design connection details for the composite sidewalk decking. Prepare detailed weight calculations to verify the design meets the “no additional weight” requirement.

4) Bridge Plans and Special Provisions: Prepare bridge plans and special provisions for steel railing and composite sidewalk decking for 42” barrier height (10 sheets). Revise the plans for the 54” barrier design.

Phase 11 Understanding
  • None.

Phase 11 Deliverables
  • Bridge Barrier Contract Plans, Special Provisions and Calculations.

END OF SCOPE OF SERVICE
## Labor Hour Estimate

**SCJ Alliance**

**Client:** City of Bonney Lake  
**Project:** SR 410 - Pedestrian Improvements  
**Job #:** 610.14  
**File #:** 2014-0701_0810-14_PROJECTработок_2.xls

### Phase 1 - Project Management (EXISTING)

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<th>Task Lead</th>
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- $203.00  
- $190.00  
- $190.00  
- $135.00  
- $105.00  
- $100.00  
- $90.00

**Total Phase Cost by Category:**  
- $1,140.00  
- $270.00  
- $1,410.00

### Phase 2 - Agency Coordination (EXISTING)

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**Billing Rate by category:**  
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- $190.00  
- $190.00  
- $135.00  
- $105.00  
- $100.00  
- $90.00

**Total Phase Cost by Category:**  
- $1,900.00  
- $1,620.00  
- $420.00  
- $3,940.00

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- $190.00  
- $135.00  
- $105.00  
- $100.00  
- $90.00

**Total Phase Cost by Category:**  
- $1,900.00  
- $1,620.00  
- $420.00  
- $3,940.00

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**Billing Rate by category:**  
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- $190.00  
- $190.00  
- $135.00  
- $105.00  
- $100.00  
- $90.00

**Total Phase Cost by Category:**  
- $1,523.00  
- $4,960.00  
- $2,750.00  
- $9,110.00

### Phase 5 - Structural Design by Sargent (EXISTING)

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- $190.00  
- $135.00  
- $105.00  
- $100.00  
- $90.00

**Total Phase Cost by Category:**  
- $4,560.00  
- $6,750.00  
- $3,150.00  
- $14,460.00
### Consultant Fee Estimate

**SCJ Alliance**  
**Client:** City of Bonney Lake  
**Project:** SR 410 - Pedestrian Improvements  
**Job #:** 610.14  
**File #:** 2014-0701_0610-14_fee_amend2.xls

#### Consultant Fee Determination

**DIRECT LABOR REVENUE**

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Subtotal SC&J: 104

**INDIRECT COSTS**

- **Subconsultant Fees:** Sargent Engineers, Inc. $11,451

Subtotal: $11,451  
Subconsultant Admin Fee (10%): $1,145  
Total Subconsultant: $12,596

- **Expenses:**
  - Copies, Reproductions, etc (2.5% of fee) $0
  - Mileage $0.385

Total Expenses: $0

Management Reserve Fund (N/A) $0

**TOTAL ESTIMATED FEE** $27,056
City of Bonney Lake, Washington

City Council Agenda Bill (AB)

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**Agenda Item Type:** Resolution  
**Ordinance/Resolution Number:** 2402  
**Councilmember Sponsor:** Donn Lewis

**Agenda Subject:** Authorizing a Contract Amendment No. 2 to Resolution 2286 Awarding The Professional Services Agreement For The Design SR 410 Sidewalk Improvements From Angeline Bridge To 192nd Avenue East Project To Shea, Carr, Jewell Alliance

**Full Title/Motion:** A Resolution Of The City Council Of The City Of Bonney Lake, Pierce County, Washington, Authorizing A Contract Amendment No. 2 To Resolution 2286 Awarding The Professional Services Agreement For The Design SR 410 Sidewalk Improvements From Angeline Bridge To 192nd Avenue East Project To Shea, Carr, Jewell Alliance.

**Administrative Recommendation:**

**Background Summary:** The Public Works Department (PWD) applied for and received a $445,000 matching (50/50) grant from the Transportation Improvement Board (TIB) in the latter half of 2012. An additional $220,000 (50/50 match) was added to the grant in May of 2014. Design has continued per Resolution 2286 although changes in the scope of work have occurred. The city addressed some of those scope additions per Resolution 2358 under Amendment No. 1.

SCJ prepared a technical memorandum in April 2013 for WSDOT review presenting options for constructing the sidewalk across the Angeline Road Bridge. WSDOT reviewed the memorandum and selected Option 4. SCJ moved forward with that design option. During final Plans, Specifications, and Estimate (PS&E) review by WSDOT, the WSDOT Bridge Office determined it would be unacceptable to add any weight to the existing bridge after performing a more detailed girder capacity analysis. A last minute change by WSDOT required raising the ridge railing height from 42 inches to 54 inches. The weight restriction required detailed redesign of sidewalk and bridge railing elements. This has required additional costs to the project that are covered under Amendment No. 2. These changes delayed advertisement of this contract.

The following task items were affected by the bridge design change, Project Management; Agency Coordination with WSDOT; Final Design alterations; and Bidding Service alterations.

**Attachments:** Resolution 2402, Map, Amendment No.2, Exhibit A - Detailed backup for additional costs

### BUDGET INFORMATION

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**Budget Explanation:** 301.054.032.595.30.63.10 - Construction = $890,000

Revenue Sources: TIF, TIB Grant, and Sewer SDC

### COMMITTEE, BOARD & COMMISSION REVIEW

**Council Committee Review:** Community Development  
**Date:** 15 July 2014

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<td>Director: Dan Grigsby, P. E.</td>
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<td>Mayor: Neil Johnson Jr.</td>
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<tr>
<td>Date Reviewed by City Attorney:</td>
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