

**SECOND AMENDMENT TO AGREEMENT  
FOR ENGINEERING SERVICES  
(Yamhill County and WHPacific, Inc.)**

A. THIS SECOND AMENDMENT TO AGREEMENT (“Amendment #1”) is made by and between **Yamhill County**, a political subdivision of the State of Oregon (“Owner”), and **WH Pacific, Inc** (“Contractor”), an Alaska corporation, 9755 SW Barnes Road, Suite 300, Portland, OR 97225.

**RECITALS:**

B. Owner and Contractor are parties to that certain agreement dated as of January 11, 2019 (the “Underlying Agreement”), memorialized as B.O. 19-10, pursuant to which Contractor is to provide project management, final design and engineering services, permitting and related tasks to complete the Project (as defined in the Underlying Agreement). The Underlying Agreement was first amended on May 2, 2019, memorialized as B.O. 19-135 (“Amendment #1”).

C. Owner and Contractor now desire to further amend the Underlying Agreement upon the terms and conditions as more particularly set forth herein below.

D. Capitalized terms not defined herein shall have the meanings attributed to such terms in the Agreement.

NOW, THEREFORE, in consideration of the mutual covenants and agreements set forth herein below and of other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the parties hereto, Owner and Contractor, intending legally to be bound, hereby agree as follows:

1. Section 1 of the Underlying Agreement is hereby amended to include the additional Project work, services and fees, detailed in Exhibit A to this Amendment #2, which Exhibit A is attached hereto and incorporated herein by this reference. The balance of Section 1, as amended by Amendment #1, remains unchanged.

2. Section 3 of the Underlying Agreement is amended to change the completion date to no later than February 2020 to allow for completion of the additional Project work and services detailed in Exhibit A to this Amendment #2. The balance of Section 3, as amended by Amendment #1, remains unchanged. .

3. The balance of the Underlying Agreement remains unchanged.

4. Ratification. Except as otherwise expressly modified by the terms of this Amendment #2, the Underlying Agreement shall remain unchanged and continue in full force and effect. All terms, covenants and conditions of the Underlying Agreement not expressly modified herein are hereby confirmed and ratified and remain in full force and effect, and

constitute valid and binding obligations of Owner and Contractor enforceable according to the terms thereof.

5. Authority. Owner and Contractor and each of the persons executing this Amendment #2 on behalf of Owner and Contractor hereby covenants and warrants that: (i) such party has full right and authority to enter into this Amendment #2 and has taken all action required to authorize such party (and each person executing this Amendment #2 on behalf of such party) to enter into this Amendment #2, and (ii) the person signing on behalf of such party is authorized to do so on behalf of such entity.

6. Binding Effect. All of the covenants contained in this Amendment #2 shall be binding upon and shall inure to the benefit of the parties hereto and their respective heirs, legal representatives and permitted successors and assigns.

7. Counterparts. This Amendment #2 may be executed in multiple counterparts, each of which shall be an original, but all of which shall constitute one and the same Amendment #2.

8. Recitals. The foregoing recitals are intended to be a material part of this Amendment #2 and are incorporated herein by this reference.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed, this Amendment #1 on the date indicated by their duly authorized officials.

WH Pacific, Inc.

YAMHILL COUNTY, OREGON

By: [Signature]  
(signature)  
Date: 8/29/19

[Signature]  
RICK OLSON, Chair  
Board of Commissioners  
Date: 8/29/19

DANIEL BOULTINGHOUSE  
(printed name)

[Signature]  
Bill Gille, County Engineer  
Public Works Department  
Date: 8/29/2019

OPERATIONS MANAGER  
(title)

FORM APPROVED BY:  
[Signature]  
CHRISTIAN BOENISCH  
County Counsel  
Date: 8/29/19

Tax ID No.: 20-3966470

Accepted by Yamhill County Board of Commissioners on 8/29/19 by Board Order

**Exhibit A**

(see attached)

## Contract Amendment 1.3

### Yamhill County

Project Manager: Bill Gille, PE,PLS  
2060 Lafayette Ave  
McMinnville, Oregon 97128  
503-434-7515  
503-472-4068 fax  
[gilleb@co.yamhill.or.us](mailto:gilleb@co.yamhill.or.us)

### WHPacific, Inc.

Project Manager: Andy Bowen, PE  
9755 SW Barnes Road, Suite 300  
Portland, Oregon 97225  
503-372-3560  
503-526-0775 fax  
[abowen@whpacific.com](mailto:abowen@whpacific.com)

### **A. Project Description and Overview of Services**

Yamhill County is contracting with WHPacific, Inc. (Consultant) for Services in connection with the following project:  
Stag Hollow Creek (Laughlin Road) Bridge.

The purpose of this Contract Amendment 1.3 is to add Construction Administration/Construction Engineering and inspection (CA/CEI) Services phase. The CA/CEI work is a new phase of the Project, distinct from and in addition to the previous Project phases. For convenience to the reader, the task numbering starts over at Task 1 for the CA/CEI phase, but this Amendment does not delete, revise, or replace the tasks or requirements for the original Contract Amendment or any earlier amendment for previous phases of the Project, unless otherwise specifically provided in this Amendment.

Consultant shall provide Contract Administration/Construction Engineering and Inspection (CA/CEI) Services for the **Stag Hollow Creek (Laughlin Road) Bridge** (the Project).

Consultant shall provide all CA/CEI Services necessary to Construct this project. CA/CEI tasks include all Construction Project Management, inspection of roadwork and bridge construction activities, design consultation during construction, shop drawing and submittal review, labor compliance monitoring, monthly progress payment estimates, and associated project documentation necessary to complete this Project and make it eligible for the ODOT Bridge Inspection Program.

Consultant shall provide the following specific work tasks for CA/CEI as described in this SOW and as described further below:

- A. Conduct preconstruction and progress conferences.
- B. Provide survey control for all phases of construction for the Construction Contractor (CC).
- C. Provide all technical construction inspection.
- D. Keep inspection logs including pile records.
- E. Provide construction contract administration and documentation to similar to ODOT standards as specified in the ODOT Construction Manual.
- F. Conduct on-site inspection of materials.
- G. Address and coordinate with the County/Agency and private property owner issues regarding construction.
- H. Complete Construction Contract Change Order (CCO) negotiation and preparation (coordinate with County ; CCOs must be approved by County).
- I. Provide design changes if required during construction.

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- J. Prepare and forward monthly progress reports with invoices.
- K. Produce "As-Built" record drawings as required by Bridge Inspection Program.
- L. Produce a Load Rating of new structure.
- M. Support County in Application for bridge acceptance into Oregon Bridge Inspection Program.

The improvements for this section of Laughlin Road is targeting construction commencement August 15, 2020.

**Project Understanding**

Yamhill County is moving forward with the award of the project to the qualified bidder. The County has requested a proposal from WHPacific to perform CA/CEI services on the project for the public roadway improvements and replacement bridge on Laughlin Road over Stag Hollow Creek.

WHPacific Project Team Professionals:

- Andy Bowen, PE – Project Manager, Sr. Bridge Engineer
- Mukul Bindal, EIT - Bridge Designer, Quality Assurance Manager – Shop Drawing review
- Greg Haffner, Sr. Construction Manager
- Anthony Dollowitch, EIT – Inspector
- Alex Bird, EIT – Inspector
- Karry Blake -Archeologist
- Other technical staff as required
- Subconsultant:
  - Foundation Engineering (Pile Logs & PDA Testing)

This project is funded by local County funds.

**B. Acronyms and Definitions**

<b>Agency</b> – Yamhill County	<b>NTP</b> – Notice to Proceed
<b>APM</b> – Agency’s Project Manager	<b>ODOT</b> – Oregon Department of Transportation
<b>BOC</b> – Breakdown of Costs	<b>ORS</b> – Oregon Revised Statute
<b>CPFF</b> – Cost Plus Fixed Fee	<b>PA</b> – Price Agreement
<b>DBE</b> – Disadvantaged Business Enterprise	<b>PM</b> – Project Manager
<b>FP</b> – Fixed Price	<b>SOW</b> – Statement of Work

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<b>MWESB</b> – Minority, Women & Emerging Small Businesses	<b>T&amp;M</b> – Time and Materials
<b>NTE</b> – Not to Exceed	<b>WOC</b> – Work Order Contract

Agency .....Yamhill County  
 Consultant.....WHPacific - Consulting Engineers  
 CA/CEI..... Construction Administration/Construction Engineering and Inspection  
 CC..... Construction Contractor  
 CCO ..... Contract Change Order  
 CPM..... Construction Project Manager  
 FHWA ..... Federal Highway Administration  
 LPA ..... Local Public Agency  
 ODOT ..... Oregon Department of Transportation  
 PM.....Project Manager  
 QA ..... Quality Assurance  
 SOW ..... Statement of Work  
 WOC..... Work Order Contract

**C. TASKS, DELIVERABLES and SCHEDULE**

Unless the WOC is terminated or suspended, Consultant shall complete all tasks and provide all deliverables (collectively, the “Services”) included in this WOC and in accordance with the performance requirements and delivery schedules included in this WOC.

**Task 1 – Construction Project Management & Coordination**

- Consultant shall prepare and provide up to 4 monthly Project progress reports with invoices to the County.
- Consultant shall schedule and conduct a preconstruction conference within thirty (30) business days of receipt of the NTP to discuss with the CC, Agency and County the construction schedule, utility involvement, required documentation, submittals, materials testing, surveying, and other items relevant to the construction of the Project within thirty (30) business days of receipt of the NTP.
- Prepare an agenda for the preconstruction meeting and distribute to the CC, County and Agency three (3) business days prior to the meeting.
- Prepare and distribute minutes for pre-construction meeting within five (5) business days after the meeting.
- Consultant shall conduct up to (6) weekly/biweekly Project team meetings with the CC to discuss the Project schedule and other outstanding issues for the Project. These meetings must be attended by Consultant’s resident inspector and Construction Project Manager (CPM). Consultant shall prepare meeting minutes for each Project Team meeting.

**Task 1 – Deliverables:**

- Pre-construction meeting agenda; distribute to County and CC (submit electronically via email and hard copy upon request).  
**Schedule:** Three (3) business days prior to pre-construction meeting.
- Pre-construction meeting minutes: distribute to CC, County and Agency staff (submit electronically via email and hard copy upon request).  
**Schedule:** Within five (5) business days after pre-construction meeting.
- Project Team meeting minutes – Up to six (6); (submit electronically via email and hard copy upon request).  
**Schedule:** Within five (5) business days after the meeting.
- Monthly Consultant progress payment reports to the County (submit electronically via email and hard copy upon request).  
**Schedule:** Every 30 days after the NTP for the Project.  
**Schedule:** Ten (10) calendar days after the end of every month until Project completion.

**Task 2 – Construction Surveying**

Consultant shall perform surveying services necessary to verify the control is in good standing before providing control to the CC surveyor.

Consultant's licensed land surveyor shall assure that land surveying practices and deliverables conform to all state statutes pertaining to survey and land boundary laws. These include, but are not limited to, the following state statutes: ORS Chapter 92, Subdivisions and Partitions, ORS Chapter 93, Convincing and Recording, ORS Chapter 209, County Surveyors and map requirements, and ORS Chapter 672, Professional Engineers and Land Surveyors.

Consultant shall provide all supporting computations and field notes required for control of the work and as required to establish the correct position, orientation, and elevation of the work from control stations.

Consultant shall:

- Verify all initial horizontal and vertical control stations in the proximity of the Project.

**Task 2 – Deliverables:**

- Calculations, field notes and survey control information for the stakeout of this work.  
**Schedule:** As required by County

**Task 3 –Grading Engineering and Inspection Services**

Consultant shall perform grading engineering and inspection required to ensure conformance of the Project with the plans and specifications for the Project. The grading inspection must take place concurrently with the CC's operations. The general order and nature of the inspection will be as follows:

Consultant shall:

- Inspect temporary protection and direction of traffic and temporary signing.
- Inspect erosion and sediment control measures.
- Inspect removal of structures and obstructions.
- Inspect embankment and excavation.
- Inspect base rock material and placement.
- Inspect guardrail materials and placement.
- Inspect permanent traffic safety and guidance devices.
- Document quality assurance as required by the ODOT *Construction Manual*, *Manual of Field Test Procedures* and *Standard and Special Provisions* as appropriate to insure CC compliance with the construction contract.

Consultant shall provide General Daily Progress reports detailing grading engineering and inspection.

**Task 3 – Deliverables:**

- General Daily Progress reports
  - Quality Control (QC) and Quality Assurance (QA) Documentation, and Quantity Documentation
- Schedule:** Due as a deliverable in Task 13, Final Documentation.

**Task 4 – Structure Engineering and Inspection**

Consultant shall perform structure engineering and inspection required to ensure conformance of the Project with the plans and specifications for the Project. The structure inspection must take place concurrently with the CC's operations. The general order and nature of inspection will be as follows:

Consultant shall:

- Inspect structure excavation and structural backfill.
- Inspect pile drilling and grouting materials and placement.
- Inspect sheet pile walls
- Inspect reinforcing materials and placement.
- Inspect structural concrete materials and placement.
- Inspect beam material and placement.
- Inspect bridge rail materials and placement.
- Document quality assurance as required by the ODOT *Construction Manual*, *Manual of Field Test Procedures* and *Standard and Special Provisions* as appropriate to insure CC compliance to the construction contract.

Consultant shall provide General Daily Progress reports detailing structure engineering and inspection.

**Task 4 – Deliverables:**

- General Daily Progress reports.
  - Review/Coordinate CC Quality Control (QC) and Quality Assurance (QA) Documentation, and Quantity Documentation.
- Schedule:** Due as a deliverable in task 13, Final Documentation.

### **Task 5 – Beam Inspection**

Consultant shall perform inspection of bridge beams at the ODOT maintenance yard in Grande Ronde to ensure Project conformance with the plans and specifications.

Consultant shall:

- Inspect salvaged beams for any visual distress or damage.
- Photo document conditions of 8 beams prior to contractor transport to site.
- Beams are marked YC 2G, YC 2D, YC 2E, YC 2F, YC 4A, YC 4K, YC 5F, and YC 5E.

Consultant shall perform inspection of bridge beams in the field after transport and preparation for installation and prior to installation of beams onto new abutments.

Consultant shall provide General Daily Progress reports detailing precast beam inspection results.

#### **Task 5 – Deliverables:**

- General Daily Progress reports & Photos.  
**Schedule:** Due as a deliverable in task 13, Final Documentation.

### **Task 6 – Review and Approval of Shop Drawings and Submittals**

Consultant shall review shop drawing submittals for pile drilling equipment, bridge members, reinforcing steel details, weld procedures, and other product data submittals received from the CC. Non-Engineered shop or working drawings and submittals must be stamped, signed, dated, and marked as either “Approved”, “Approved As Noted”, “Returned for Correction” or “Rejected”. Engineered shop or working drawings must be stamped either “Reviewed” or “Reviewed with Comment.”

Consultant shall perform review of CC submittals for Project schedule, traffic control plans, and erosion and pollution control plans. Consultant shall maintain a record of submittals including dates received, forwarded, and returned.

Consultant shall process shop drawings in a timely manner to not delay the CC operations.

#### **Task 6 – Deliverables:**

- Submittal log.  
**Schedule:** Within the twenty-one (21) day period identified in most recent version of the Oregon Standard Specifications for Construction.

### **Task 7 – Design Consultation and Plan Changes during Construction**

Consultant shall provide consultation and technical services related to design issues raised during construction of the Project.

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Consultant shall clarify construction contract documents and respond in writing to Requests for Information (RFI's). This task is estimated at total of 6 RFI's.

Consultant shall prepare draft and final design/plan modifications and issue plan changes to assure conformance to the final product.

**Task 7 – Deliverables:**

- Written or electronic responses to RFI's to CC and County.  
**Schedule:** Within five (5) business days after receiving the RFI from CC or County.
- Draft design/plan modifications; electronic pdf - one (1) each to CC and County  
**Schedule:** As required to eliminate or minimize impacts to CC's schedule, but no later than five (5) business days after Agency and County agrees that a design/plan change is required.
- Final design/plan modifications; three (2) hard copies – one (1) each to CC and County.  
**Schedule:** As required to eliminate or minimize impacts to CC's schedule, but no later than ten (10) business days after Agency/County agrees that a design/plan change is required.

**Task 8 – General Documentation**

Consultant shall perform documentation tasks required by County to provide evidence that the CC performs all phases of the Project in accordance with the contract specifications.

Consultant shall document all engineering and inspection services described in Task 3, 4 & 5 using forms and reports acceptable to the county.

Consultant shall prepare general documentation that includes: general daily progress reports, monthly progress payment reports, calendar day charges, notification of commencement and completion dates, and results of review of subcontracts.

Consultant shall make this documentation available for review by the County upon request according to the deliverables schedule. These tasks will continue throughout the construction contract duration.

**Task 8 – Deliverables:**

- **Coordinate with County on NTP** when CC begins work on the Project as defined in the Standard Specifications, Similar to Section 00130.90. Hard copy and PDF.  
**Schedule:** Within ten (10) business days after the beginning of Project work by CC.
- **Notice of Substantial completion** – when CC has completed all required construction work, including Change Order (CO) work and Extra work, on the Project. Hard copy and PDF.  
**Schedule:** Within ten (10) business days after the completion of all construction work by CC.

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- **Notice of Completion** – when all Project work has been completed by the CC to the satisfaction of the County and Consultant. All CC work includes establishment period for plants, any cleanup work required, all required warranties have been received, all required quality, quantity and labor documentation has been submitted and accepted by Agency. Hard copy and PDF.  
**Schedule:** Within ten (10) business days after completion by CC of all criteria described in Section 00150.90(b) of the Standard Specifications for Construction and Section 12 of the ODOT Construction Manual.
- **Monthly Progress Payment Reports** with the quantities of work performed by the CC and submit to County for approval and payment to the CC. Consultant shall submit one (1) signed copy to County and CC.  
**Schedule:** Processed on-line by the 8<sup>th</sup> of each Month.

**Task 9 – Quality Control (QC) / Quality Assurance (QA) Documentation**

Consultant shall document the quality of both the non-field tested and field-tested materials incorporated into the Project.

Consultant shall provide documentation that all materials furnished and placed on the Project conform to the approved specifications.

Consultant shall perform QA services, i.e., the oversight of QC activities by the CC to assure compliance with the specifications. In performing the QA services, Consultant shall provide State of Oregon certified Inspectors (including any required ODOT certifications), QC Technicians and personnel required to perform those services as required by standard policies and procedures.

Acceptance of CC's Quality Control documentation for field-tested materials must be based on verification testing performed by consultant subcontractor.

Consultant shall document that quality assurance testing of materials requiring laboratory testing are tested at a certified lab.

Consultant shall observe materials testing and inspection, perform review of mix designs, compaction testing, concrete inspection, testing as required to assure the accuracy of procedures and equipment used for process control, and acceptance tests performed for the Project.

Consultant shall develop field inspection reports and compile certifications, lab reports, sample data sheets, and shall perform all other work related to completing the Test Result Summary B-Sheet for field-tested materials.

Consultant shall complete the Test Summary A-Sheet for non-field tested materials.

**Task 9 – Deliverables:**

- Consultant's approval of CC's mix design for all classes of concrete and asphalt concrete pavement used on this Project to CC and County.  
**Schedule:** Upon submittal by CC to Consultant's Project Manager for approval.

- Field-tested and non-field tested QA documentation (Test Summary A and B Sheets) and maintain them up to date as the work is performed.  
**Schedule:** Available for review by County upon request.

#### **Task 10 – Quantity Assurance Documentation**

Consultant shall perform all work related to fulfilling the quantity documentation portion of the Project (“Quantity documentation”) per Section 12-D of the ODOT Construction Manual.

Consultant shall provide the following work elements for Quantity documentation; field measurements and field book entries for: bid items (Lump Sum or Units), weigh scales (AC or base), truck measurements, weight or load memos, truck tally, and final quantity calculations. Consultant shall complete Quantity documentation as the work is performed.

#### **Task 10 – Deliverables:**

- Quantity documentation to validate quantities being paid.  
**Schedule:** Available for review by County upon request.

#### **Task 11 – Change Orders and Extra Work Orders**

Consultant shall prepare and estimated three Construction Contract Change Orders (CCOs) and one extra work orders for CC as changes arise during Project construction. Construction CCOs may include but are not limited to modification to the plans, specifications, and construction contract time.

Consultant shall process extra work orders for “Force Account” billings from CC. Consultant shall process extra work orders after “Force Account” work has taken place, CC has submitted the appropriate invoice with appropriate documentation to Consultant.

#### **Task 11 – Deliverables:**

- CCOs for approval by County prior to implementation.  
**Schedule:** As required periodically throughout the Project. Construction CCOs must be written executed and approved prior to performance of the work. Approval (E-mail acceptable) from County are required prior to proceeding with changed or extra work.
- Work Orders for “Force Account” billings from CC  
**Schedule:** As required periodically throughout the Project with the next monthly Project pay estimate.

#### **Task 12 –Labor Compliance Monitoring**

Consultant shall monitor Labor Compliance of all Project CCs in accordance with applicable Laws and Regulations and in accordance with the construction contract, including FHWA1273 and EEO Required Contract Provisions.

Consultant shall interview Project CC employees (one per trade) every six (6) months. Consultant shall monitor receipt of and review weekly certified payrolls from all Project CCs to ensure payment of prevailing wages and overtime in accordance with the construction contract for the Project and in accordance with ORS 279C.520, ORS 279C.540, and ORS 279C.845.

**Task 12 – Deliverables:**

**Labor Compliance**

- Certified payrolls and Employee Interview Forms.  
**Schedule:** Immediately upon Consultant's completion of review.

**Task 13 – Final Documentation**

Consultant shall perform all work required to prepare and submit the final estimate and final QA, Quantity and construction documentation to County, and shall certify Project completion. All QA/QC and Quantity documentation must be submitted in one final format.

All construction documents required by County must be completed and submitted immediately after Consultant has submitted the Substantial completion notice.

**Task 13 – Deliverables:**

- Final estimate and final QA, Quantity and construction documentation to County as outlined in the ODOT Construction Manual where applicable, including but not limited to this list of required items:
  - **General Documentation:**  
Transmittal letter listing the documentation being submitted. Final progress estimate and cost report, County Letter of acceptance, General daily progress reports, and Final Materials Certification. Consultant shall distribute the "As Constructed" plans.
  - **Labor Compliance Documentation:**  
Consultant to provide reviewed certified payrolls and wage rate interview forms to County for prime and subcontractors. All reviewed documentations are to be submitted directly to County for final approval.
  - **Quality Control (QC) and Quality Assurance (QA) Documentation:**  
Completed and reviewed Test Result Summaries "A" (non-field tested materials) and "B" (field tested materials), with all supporting documentation for all bid items and CCOs per Section 12-B of the ODOT Construction Manual.
  - **Quantity Documentation:**  
Pay notes (all calculations and supporting data for all bid item and CCO quantities per Section 12-D of ODOT Construction Manual), field books, pile books, earthwork calculations, Flaggers and pilot car receipts, and erosion control reports.

**Schedule:** After Consultant submits the Second Notification to County, Consultant shall make a final review of all Project quality, quantity and labor documentation; and mutually agree that all contractual requirements have

been met and recommend acceptance to County. Within thirty (30) business days after all required documentation has been received from the CC, Consultant shall submit required documentation to County for final review and approval.

#### **Task 14 – As-Constructed Plans**

Consultant shall make corrections to existing plans and provide complete “As Constructed” drawings to the County and Agency for final records.

Consultant shall prepare CAD changes to bridge drawings and submit 11x17 paper and pdf copies to the county and bridge unit.

Consultant shall prepare changes made to roadway drawings electronically in the drawing file and shall provide new un-signed, half size prints.

Consultant shall provide final copies in half size paper prints and 11x17 PDF files.

#### **Task 14 – Deliverables:**

- 11x17 bridge drawings with as-built mark-ups to ODOT’s Bridge Section, copy APM with transmittal memo.
- Final “As-Constructed” revised, signed drawings for the Project in 11x17 (half-size) paper format and pdf – one each to County and ODOT bridge group
- **Schedule:** Within sixty (60) business days of construction contract completion and final inspection of the Project.

#### **Task 15 – Bridge Load Rating**

Consultant shall perform load rating calculations for the bridge completed for the Project in accordance with Tier 2 of the ODOT Bridge Load Rating Manual using the Bridge Rating and Analysis of Structural Systems (BRASS) software package.

Consultant shall prepare, provide and include in the load rating report for the bridge the following:

- Posting Summary Sheet
- Table of Contents
- Load Rating Summary Report including inventory and operating limits for the HS-20, Type 3, Type 3-S2, Type 3-3, with and without impact
- Reduced Copy of the contract plans for each bridge (8 ½” x 11”)
- Structure Inventory and Appraisal Sheet
- Printout of FILELIST.TXT
- Preliminary (pre-BRASS) file(s)
- BRASS\_T (LRFD sTrength) output file
- BRASS\_N (NBI Load Factor) output file

- Files containing load rating electronic files
- Foundation Report
- Hydraulic Report including Scour Analysis
- Pile Records and drill logs if applicable

Consultant's load rating shall be based on the final construction contract plans modified to reflect as-constructed conditions.

Consultant shall develop load rating reports for the bridge completed for the Project based on the ODOT load rating format. The load rating reports must be bound and labeled in a pressboard report cover. All sheets after the Table of Contents shall be numbered consecutively in the upper right corner. The reports must be stamped and signed by Consultant's registered professional engineer to practice in the State of Oregon with one (1) hard copy both to County and Agency.

**Task 15 – Deliverables and Schedule:**

- Load rating report  
**Schedule:** Within ninety (90) days of completion of all contract related work and final inspection of the Project.

**D. CONTINGENCY TASKS – Reserved**

**Task D1.1 Claim(s) Support [CONTINGENCY TASK]**

If authorized by the Owner, the Consultant shall provide support to the County to comply with any and all claims submitted by the CC as specified in Section 00199 – Disagreements, Protests and Claims in the Oregon Standard Specifications for Construction 2002. Contractor tasks for claim(s) support may include but are not limited to:

- Preparation of memoranda and supporting documentation (photo logs, inspection reports, memos, drawings, etc) related to claims
- Consultation related to claims (in person, via telephone or email).
- Attendance at resolution meetings.

**ASSUMPTIONS:** For budgeting purposes, this Task assumes no more than 40 hours for claims' assistance

**Deliverables**

The deliverables for claim(s) support may include but are not limited to:

- Memoranda and supporting documentation (photo logs, inspection reports, memos, drawings, etc) related to claims
- Consultation related to claims (in person, via telephone or email)
- Attendance at resolution meetings

**Task D2.1 Claim(s) Support [CONTINGENCY TASK]**

- **Digital Terrain Model (“DTM”) (CONTINGENCY TASK)**

WHPacific shall create a three-dimensional digital terrain surface using the previously collected topographic features and collected topographic features as outlined in Task 2.3. The model shall be created to meet County criteria for surface triangulation.

Return correspondence to:

Andy Bowen  
Project Manager  
WHPacific  
9755 SW Barnes Road, Suite 300  
Portland, OR 97225  
(503) 372-3560 (phone)  
(503) 526-0775 (fax)

**WHPacific Fee Worksheet**

Yamhill County		Stag Hollow Creek (Laughlin Rd) Bridge - CM										Total Budget	
Date	August 19, 2019	Task	Project Manager A. Bowen	Bridge Designer M. Bindal	Const. Manager G. Hafner	Project Engineer B. Walker	Const. Inspector Staff	Survey Director Staff	Survey Crew Staff	Proj. Ctl Specialist Staff	Total Task Hours	Total Budget	
			Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours		
			\$196.96	\$104.03	\$173.37	\$104.03	\$101.38	\$153.87	\$97.63	\$83.23			
			34	0	68	10	6	1	0	12	131	21,287	
		<b>Task 1 - Construction Project Mgt. &amp; Coordination</b>											
		1.01. Monthly Progress with invoices - 4 invoices	10		2			1		12	25	3,469	
		1.02. Sch. & conduct precon. agenda minutes	6		6	6	6				24	3,454	
		1.03. Conduct 6 ea. - 4 weekly meetings, 2 bi-weekly meetings, agenda, minutes	8		40						48	8,510	
		1.04. Project schedule review	2		4						6	1,087	
		1.05. Misc. email coordination	8		16	4					28	4,766	
		<b>Task 2 - Construction Surveying</b>											
		2.00. Verify Control - set winter 2018	0	0	0	0	0	2	8	0	10	1,089	
								2	8	0	10	1,089	
		<b>Task 3 - Grading Engineering &amp; Inspection Services (40 days)</b>											
		3.01. Inspect services (Field time - 40 days @ 8 hrs per day w/ travel)	2	0	32	12	350	0	0	24	420	44,669	
		3.02. Inspect support with field issues - Paving support	1		16	4	320				320	32,440	
		3.03. QA/QC support and documentation in office	1		8	8	24			12	21	3,387	
		3.04. Final Inspection			8		6			12	53	5,848	
											26	2,994	
		<b>Task 4 - Structural Engineering and Inspection Services (15 days)</b>											
		4.01. Inspection services (Field time - 15 days @ 8 hrs per day w/ travel)	4	4	24	0	120	0	0	0	152	17,530	
		4.02. Inspection support with field issues	4		16		120				128	13,552	
		4.03. QA support and documentation at office									20	3,562	
											4	416	
		<b>Task 5 - Beam Inspection</b>											
		5.01. Inspect beams at ODOT yard to document shape prior to transport	1	0	1	0	6	0	0	0	7	782	
		5.02. Inspect beams after transport and after preparation to install on bridge.	1		1		6				7	782	
							2				4	573	
		<b>Task 6 - Review &amp; Approval of Shop Drawings &amp; Submittals</b>											
		6.01. Review material submittals	6	20	22	12	0	0	0	0	60	8,325	
		6.02. Review steel details and shop drawings	6	20	12	6					18	2,705	
		6.03. Tabulate submittal into master log			4						26	3,262	
		6.04. Mix design review - concrete and paving				6					4	693	
		6.05. Coordinate with County on submittals			6						6	624	
											6	1,040	
		<b>Task 7 - Design Consultation &amp; Plan Changes during Construction</b>											
		7.01. Resolve RFI's during construction - Assume 6 RFI's	12	0	12	12	6	0	0	0	42	6,301	
			12		12	12	6				42	6,301	
		<b>Task 8 - General Documentation</b>											
		8.01. Document tasks 3,4, & 5 on forms.	0	0	36	8	18	0	0	8	70	9,564	
		8.02. NTP - substantial completion, Final completion			12	8	2				22	3,115	
		8.03. NTP - substantial completion, Final completion			6						6	1,040	
		8.04. Complete Monthly Contractor progress reports to Co.(assume 4)			6						6	1,040	
					12		16			8	36	4,368	

WHPacific Fee Worksheet

	0	0	12	0	12	0	0	48	72	7,292
<b>Task 9 - Quality Ctrl (QC) / Quality Assurance (QA) Documentation</b>	0	0	12	0	12	0	0	48	72	7,292
9.01. Document Non-field testing materials			4		4			16	24	2,431
9.02. Document Field testing materials			4		4			16	24	2,431
9.03. Document Materials supplied for QA			4		4			16	24	2,431
<b>Task 10 - Quantity Assurance Documentation</b>	0	0	8	0	12	0	0	32	52	5,267
10.01. Document quantities with paynotes			4		4			16	32	3,242
10.02. QC paynotes for progress payments			4		4			16	20	2,025
<b>Task 11 -Change Orders and Extra Work Orders</b>	4	0	12	0	4	0	0	4	24	3,607
11.01. Document estimated at 3 change orders	3		9		3		2	2	17	2,622
11.02. Document estimated 1 extra work order	1		3		1		2	2	7	985
<b>Task 12 -Labor Compliance</b>	0	0	5	0	3	0	0	14	22	2,336
12.01. Review Prime and subcontractor certified payrolls, distribute to County			4		4			12	16	1,692
12.02. Perform Wage Rate interview with prime and subcontractors			1		1			2	6	644
<b>Task 13 -Final Documentation</b>	0	0	2	0	0	0	0	28	30	2,677
13.01. General Documentation Package up for County	1		1		1		24	25	2,171	
13.02. Deliver all project documentation to County			1		1		4	5	506	
<b>Task 14 -As-Constructed Plans</b>	1	1	1	10	0	0	0	1	14	1,598
14.01. Coordinate Redlines with Contractor and Drafting			1	8				9	9	919
14.02. Prepare final documents for ODOT Bridge Group	1	1	1	2			1	1	6	679
<b>Task 15 -Bridge Load Rating</b>	16	56	0	0	0	0	0	0	72	8,977
15.01. Load Rating Report, structural calculations	16	48							64	8,145
15.02. File info to ODOT and County		8							8	832
<b>Labor Totals</b>	80	81	235	64	537	3	8	171	1,178	141,298
<b>Task D Contingency Tasks</b>	6	0	41	4	0	0	0	0	51	6,706
D1.0 Claim Support (40 hr)	5		40						45	7,919
D2.0 Digital Terrain Modeling to Contractor	1		1	4					6	786
<b>Contingency Labor Totals</b>	6	0	41	4	0	0	0	0	51	8,706

TASK SUMMARY	Design & Permitting Phase		CM Phase		Total Budget
	Original Budget	Addendum 1.2 Budget	Sub Total Budget	Addendum 1.3 Budget	
Subtotal Labor:	\$59,639	\$45,958	\$105,597	\$141,298	\$246,895
Subtotal Reimbursables:	\$700		\$700	\$4,062	\$4,762
Subtotal Subconsultants:	\$17,091		\$17,091	\$7,120	\$24,211
<b>TOTAL:</b>	<b>\$77,430</b>	<b>\$45,958</b>	<b>\$123,388</b>	<b>\$152,480</b>	<b>\$275,868</b>
Contingency Task		-\$17,964	\$0	\$8,706	\$8,706
<b>TOTAL w/ Contingency:</b>	<b>\$95,394</b>	<b>\$27,994</b>	<b>\$123,388</b>	<b>\$161,186</b>	<b>\$284,574</b>

**WHPacific Survey Cost Estimate**

**EXPENSES:**

<b>Travel Expenses:</b>	<b>\$/Unit</b>	<b>Air Trips</b>	<b>Grnd Trips</b>	<b>R/T Miles</b>	<b>Days</b>	<b># of People</b>	<b>Cost</b>
Air Travel	\$100.00	0					\$0.00
Vehicle Mileage	\$0.58		71	78			\$3,212.04
Meals/Lodging	\$75.00				0	0	\$0.00
<b>Misc. Expenses:</b>	<b>\$/Unit</b>	<b>Number</b>					
Plotting Mylar	\$5.00	0					\$0.00
Postage	\$25.00	4					\$100.00
Printing	\$2.50	300					\$750.00
recording fee	\$0.00	0					\$0.00
Tech Charge	\$5.00	0.00					
<b>Total Expenses</b>							<b>\$4,062.04</b>

<b>Sub-Consultants</b>	<b>Service</b>	<b>Cost</b>
Sub-Consultant	Foundation Engineering for Pile Driving Inspection and Logs	\$7,120.00
Sub-Consultant		\$0.00
Sub-Consultant		\$0.00
<b>Total Subconsultants</b>		<b>\$7,120.00</b>

B.O. 19-323  
 Exhibit "A"  
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