



Elizabeth Comfort
Finance Director

Department of Finance

Public Services Building
2051 Kaen Road, Suite 490 | Oregon City, OR 97045

November 22, 2023

BCC Agenda Date/Item: _____

Board of County Commissioners
Clackamas County

Approval of Amendment #1 to a Public Improvement Contract with Professional Service Industries Inc. (Intertek) for Courthouse Special Inspection Testing. Amendment value is \$187,680, total contract value is increased to \$333,065. Funding is through budgeted County General Funds and is eligible for 50% reimbursement from the Oregon Courthouse Capital Construction & Improvement Fund.

Previous Board Action/Review	Briefed at Issues – November 21, 2023		
Performance Clackamas	Builds Public Trust through Good Government		
Counsel Review	Yes	Procurement Review	Yes
Contact Person	Nancy Bush/ Elizabeth Comfort	Contact Phone	503-936-5345

EXECUTIVE SUMMARY: The construction of the replacement courthouse requires specialty inspections that include concrete, structural steel testing, rebar, welding among others. According to Oregon state law the specialty inspections contract must be held and paid by the owner.

The original contract amount was written in error for the County’s portion after State match.

RECOMMENDATION: Staff recommends the Board approve the contract amendment with Professional Service Industries Inc. for Courthouse Special Inspection Testing.

Respectfully submitted,

Elizabeth Comfort

Elizabeth Comfort
Finance Director

For Filing Use Only

AMENDMENT #1
TO THE CONTRACT DOCUMENTS WITH PROFESSIONAL SERVICE INDUSTRIES, INC.
FOR SPECIAL INSPECTION SERVICES AND DELIVERABLES FOR THE
RED SOILS COURTHOUSE PROJECT
Contract #7832

This Amendment #1 is entered into between Professional Service Industries, Inc. (“Contractor”) and Clackamas County (“County”) and shall become part of the Contract documents originally entered into between County and Intertek Group PLC on **April 26, 2023** (“Contract”).

The Purpose of this Amendment #1 is to make the following changes to the Contract:

1. The original Contract mistakenly identified Intertek Group PLC as the Contractor. Intertek Group PLC is the parent company of Professional Service Industries, Inc. However, Professional Service Industries, Inc. is the correct legal entity performing the Work and who is responsible under the Contract. By execution of this Amendment #1, the parties are correcting the error. All references to “Contractor” under the Contract, and any amendments hereto, shall mean Professional Service Industries, Inc.

Contractor acknowledges, agrees, and represents it is has and will continue to perform under the Contract, as amended.

2. ARTICLE I, Section 3. **Consideration** is hereby amended as follows:

The original consideration listed in the Contract was insufficient to pay for the total costs of the Work. As a result, County has agreed to increase the total consideration allowed under the Contract by an additional \$187,680.00. The total Contract compensation will not exceed \$333,065.00. Consideration is on a time/material in accordance with the updated payment schedule attached hereto as Exhibit B and incorporated by this reference herein, and the terms and conditions of the Contract.

ORIGINAL CONTRACT	\$ 145,385.00
<u>AMENDMENT #1</u>	<u>\$ 187,680.00</u>
TOTAL AMENDEDE CONTRACT	\$ 333,065.00

Except as expressly amended above, all other terms and conditions of the Contract shall remain in full force and effect. By signature below, the parties agree to this Amendment #1, effective upon the date of the last signature below.

Professional Service Industries, Inc.

Clackamas County

Eric Allen 11/2/23

Authorized Signature Date

Eric Allen/Regional Director

Printed Name

Chair, Date

Recording Secretary

Approved as to form

[Signature] 11/06/2023

County Counsel

EXHIBIT A
DESCRIPTION OF SERVICES

Company shall perform the following services: all required special inspections and materials testing services for the construction of the Project. Work to include, but is not limited to, the following:

1. Provide special inspection and materials testing in accordance with the applicable Oregon Structural Specialty Code (OSSC) and Contract Documents as directed by the Contractor and their designated representative(s). Special inspections anticipated are soils/asphalt compaction, reinforced concrete construction, structural masonry, structural steel welding and bolting, lateral framing construction.
2. Soils compaction and testing: On-site inspector to observe and test soil excavation and structural compaction fills. Soils and base materials will be sampled for laboratory analysis for compliance with the Project specifications. Laboratory analysis can typically include maximum dry density determination (Proctor) and grain size distribution (sieve). The on-site inspector will monitor structural fill operations and perform in-place density testing by nuclear densometer.
3. Asphalt compaction: On-site inspector will monitor delivery of hot mix asphalt and verify tickets for compliance with approved mix design. The hot mix asphalt will be monitored for temperature as delivered and placed. During placement of hot mix asphalt the on-site inspector will perform in-place compaction by use of a nuclear densometer in accordance with AASHTO T355. Samples of the hot mix asphalt delivered to the site will be tested for the Theoretical Maximum Specific Gravity (AASHTO T 209).
4. Reinforcing steel placement and cast in place concrete: On-site inspector will provide inspection of the placement of reinforcing steel for compliance with the project requirements for size, grade of steel, location, and clearance to forms and/or other earthwork prior to each pour. The on-site inspector will continuously monitor placement of cast in place concrete for adherence to the project specifications. Each load, as required, will be checked for proper mix design, water/cement ratio, batch weights, adherence to slump requirements, air content, as well as proper methods of placement and consolidation. Compressive strength sampled will be cast on concrete delivered to the project.
 1. Provide 5 sets of three cylinders for each pour.
5. Post tension concrete: On-site inspector will monitor placement of post-tension tendons for quantity, placement, spacing, profile (parabolic curve), and stressing. Reinforcing steel and concrete placement will be monitored as outlined under their specific titles. During placement of structural concrete for all post-tension deck applications, one additional inspector will be stationed at the pump to verify compliance of the approved mix design, concrete consistency, and creation of compressive strength specimens.
6. Expansion bolt and epoxy dowel installation: On-site inspector will monitor layout and drilling for both expansion bolt and epoxy threaded dowel installation. Inspection will include depth of hole, diameter, cleanliness, and correct installation and tensioning of bolt to achieve proper seating of wedge attachment.
7. Structural masonry: On-site inspector will provide inspection of reinforcing placement and continuous observation of grout and verify compliance with the project specification. Inspection of grouting mix will include compliance of batch tickets, mix design, consolidation during and after grouting, and verification of compressive strength utilizing full size masonry prisms. The mixing of mortar will be observed for compliance. In accordance with the structural design, the masonry system requires level 1 inspection and will have the compressive strength of the masonry verified during construction by the full size prism method.
8. Structural steel fabrication and erection: On-site inspector will monitor fabrication and erection of structural steel members and joists, including location and fit of anchorages and inserts. The inspector will verify adjustments to fit inaccuracies with the engineer and perform visual weld inspection of field welding in accordance with all applicable specifications. Installation of high strength bolted connections will be monitored. Feeler gauges provided by the manufacturer will be used to ensure proper tensioning of bolts that use load indicator washers. Verification of metal decking installation will include: gauge and type of decking, support and anchorage welding, and button punching and seam stitch welding in accordance with the design drawings and project specifications. These services apply to the structural steel elements, including metal decking, joists, stairs and miscellaneous shapes, and welding of reinforcing steel.
 1. For purposes of this project it is assumed that the selected fabricator will be located within one hour of Portland, Oregon. Shop visits shall include any necessary UT testing at fabricator.
9. Fireproofing and/or firestopping: On-site inspector will monitor placement of spray applied fireproofing in accordance with ASTM's E605 and E736. The inspector will verify thickness and take density samples in accordance with the local building code. Material usage and application will be verified in accordance with project and manufacturer documentation. The on-site inspector will verify fire resistance penetrations and joints (firestopping) in accordance with ASTM's E2393 and E2174. Material usage and application will be verified in accordance with project and manufacturer documentation.
10. Structural shotcrete: On-site inspector will monitor placement of pneumatically applied concrete by the approved nozzle operator, ensuring proper application technique and procedures. As required, test panels will be fabricated and cored for inspection and testing of each application crew. In addition, cores will be tested at designated intervals to establish in place compressive strength. Each load, as required, will be checked for proper mix design, water/cement ration, batch weights, adherence to slump requirements, air content, as well as proper methods of placement and consolidation. Qualification or compression cores will be taken with a 3" nominal diameter core barrel.
11. Seismic anchorage: On-site inspector will provide observation of the installation of the restraint systems as required by the seismic design requirements in the project documents. This inspection shall include the installation of the anchor to the substrate and the connection of the anchor to the element.
12. Company will deliver reports electronically to the client and others on the specified distribution list. Reports will be posted on a password protected, secure website available only to those on the distribution list. All other distribution methods will be billed at an hourly rate.
13. Company shall provide PPE based on OSHA level D personal protection. Surchages apply for Level C and Level B PPE which may be quoted on a site specific basis.

**EXHIBIT A
DESCRIPTION OF SERVICES**

14. Contractor to provide an environmentally controlled and secure space for initial curing in the field, and provide electricity and security of initial curing of concrete test specimens as required by ASTM C31/C31M, for the sole use of quality assurance testing. The initial curing box can be provided by the Company at the project site for additional fees which shall include the daily rental cost and mobilization cost of the curing box. In the event the curing box is stolen or damaged as the site security is the responsibility of the Contractor, the company shall invoice Contractor for the cost to replace plus allowable markup.

Estimated costs for this scope are as follows:

DESCRIPTION OF SERVICE	UNIT RATE	ESTIMATED QUANTITY	ESTIMATED TOTAL
Sitework Testing & Inspection			
Senior Tech-Soils on-site Regular Time Building Backfill-45 Trips	\$75.00	180	\$13,500.00
Senior Tech-Soils on-site Regular Time Site Utilities-90 Trips	\$75.00	360	\$27,000.00
Senior Tech-Soils on-site Regular Time Roads/Parking Sub Base-20 Trips	\$75.00	80	\$6,000.00
Senior Tech-Soils on-site Regular Time Roads/Parking Base-20 Trips	\$75.00	80	\$6,000.00
Senior Tech-Soils on-site Regular Time Asphalt-15 Trips	\$75.00	120	\$9,000.00
Senior Tech-Soils on-site Regular Time Retaining Walls-10 Trips	\$75.00	160	\$12,000.00
Proctor	\$225.00	3	\$675.00
Sieve (Wet and Dry)	\$210.00	3	\$630.00
Asphalt-Rice Maximum Density	\$100.00	15	\$1,500.00
Subtotal			\$76,305.00
Concrete Testing & Inspection			
Concrete Special Inspector on-site Regular time Footings 20 Pours	\$75.00	160	\$12,000.00
Concrete Special Inspector on-site Regular time Slabs on Grade 5 Pours	\$75.00	30	\$2,250.00
Concrete Special Inspector on-site Regular time Basement Walls 20 Days	\$75.00	80	\$6,000.00
Concrete Special Inspector on-site Regular time Concrete Resident Inspector-42 Weeks	\$75.00	840	\$63,000.00
Concrete Special Inspector on-site Regular time Walls and Columns-69 Pours-Sampling Tech	\$75.00	276	\$20,700.00
Concrete Special Inspector on-site Regular time PT Decks-23 Pours-Sampling Tech	\$75.00	184	\$13,800.00
Concrete Special Inspector on-site Regular time Misc Concrete-20 Pours	\$75.00	80	\$6,000.00
Masonry Special Inspector on-site Regular time Grouting/Rebar Inspection-75 Trips	\$75.00	300	\$22,500.00
Cylinders/Compressive Strength Testing 216 sets of 5 cylinders	\$22.00	1080	\$23,760.00
PT Deck Field Cure Cylinders-23 Decks, 5 Sets, 3 Cyl's each	\$22.00	345	\$7,590.00
Masonry Fully Grouted Prisms-14 Set of 3	\$120.00	84	\$10,080.00
Subtotal			\$187,680.00

**EXHIBIT A
DESCRIPTION OF SERVICES**

DESCRIPTION OF SERVICE	UNIT RATE	ESTIMATED QUANTITY	ESTIMATED TOTAL
Structural Steel Testing & Inspection			
Special Inspector on site Regular-time Periodic Inspection 28 trips-Welding and Bolting	\$85.00	112	\$9,520.00
Firestopping Special Inspector on site Regular-time Periodic Inspection 14 trips-Welding and Bolting	\$85.00	56	\$4,760.00
Special Inspector on site Regular-time Continuous Inspections- 10 Trips	\$85.00	80	\$6,800.00
Firestopping Special Inspector on site Regular-time Firestopping-25 Trips	\$100.00	100	\$10,000.00
Subtotal			\$31,080.00
Proprietary Anchor Inspection			
Anchor Inspector on-site Regular time Periodic Inspection 60 trips	\$75.00	240	\$18,000.00
Subtotal			\$18,000.00
Project Management and Administration			
Project Manager @ 0.2	\$100.00	200	\$20,000.00
Trip Charge-Waived within Portland Metro	\$0.00	611	\$0.00
Subtotal			\$20,000.00

Estimated Total \$333,065.00