

# **Erb Memorial Union Renovation and Expansion**

## **Bid Package #1 – Craft Center**

University of Oregon

*EUGENE, OREGON*

# **INVITATION TO BID** **AND INSTRUCTION TO BIDDERS**

**December 23, 2014**

# **INVITATION TO BID**

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- Exhibit “I” Prevailing Wage Rate for Public Works in Oregon “BOLI” July 1, 2013.
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**ADVERTISEMENT FOR BID**  
**Erb Memorial Union Renovation and Expansion**  
**BP #1 – Craft Center**  
**University of Oregon**  
**Eugene, Oregon**

Advertisement for: **Erb Memorial Union Renovation & Expansion – Bid Package #1**

Lease Crutcher Lewis, LLC, serving as the Construction Manager/General Contractor (CM/GC) for the University of Oregon and is soliciting bids for the construction of the Erb Memorial Union Craft Renovation and Expansion in Eugene, Oregon. Terms and conditions of the bid are outlined in Lease Crutcher Lewis, LLC (CM/GC) "Invitation to Bid", dated December 20, 2013, attached to and made a part of the Contract Documents.

**Bids will be received at the offices of Lease Crutcher Lewis, LLC, (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, until 3:30 PST, January 14, 2014 at which time the bids will be publicly opened and read aloud. Proposals shall be clearly marked "Erb Memorial Union Renovation & Expansion: Bid Package # 1"**

The total building construction cost for this phase is projected to be approximately \$4 million.

The scope of work for Bid Package #1 includes selective demolition, civil, structural concrete, waterproofing, site concrete, landscaping, masonry, metal fabrication, finish carpentry, sheet metal, curtain wall, glass, roofing, interior finishes, and fire sprinklers for the renovation of existing space for a new craft center at the EMU for the University of Oregon. The Electrical, Mechanical and Plumbing Subcontractors have already been selected based on an RFP process.

**It is the Intention of Lease Crutcher Lewis, LLC to submit bid(s) for portions of this work.**

**A mandatory pre-bid conference for the fire sprinkler and earthwork scope of work (optional for remaining scopes), will be held on Monday, December 30, 2013 at 1:00pm at the jobsite location on the University of Oregon Campus in the south dining area (near Panda Express) of the EMU (approximate address for reference is 1222 E. 13<sup>th</sup> Ave, Eugene, OR 97403).**

Contract Documents and the Invitation to Bid may be reviewed at the following locations beginning December 23rd: Lease Crutcher Lewis, LLC (CM/GC)/Portland, OR; Daily Journal Plan Center/Portland, OR; Eugene Builders Exchange/Eugene, OR; Oregon Contractors Plan Center/Clackamas, OR; S.W. Washington Contractors Assoc./Vancouver, WA; McGraw-Hill Construction Dodge/Portland, OR.



Contract Documents may be purchased (non-refundable) in its entirety or in part from Precision Images, (503) 274-2030.

Plans can also be viewed online via the following link: [www.bxwa.com](http://www.bxwa.com).

Instructions: [www.bxwa.com](http://www.bxwa.com) , Click on Posted Projects, Click on General Contractor Project Areas, Click on the State of Oregon, Click on Lease Crutcher Lewis, Click on Portland Office, Click on Projects Bidding, Click on Erb Memorial Union Renovation and Expansion.

All proposers must comply with the following requirements: Prevailing Wage Law, ORS 279C.800-279C.870, Licensed with Construction Contractors Board ORS 671.530. Bidder shall indicate Resident Status per ORS 279A.120. If Required, Bidders must obtain business licenses to perform work in the City of Eugene prior to mobilizing on jobsite.

**Bids will not be considered unless RECEIVED by 3:30 p.m. PST on January 14, 2014, and fully completed in the manner provided by the “Instructions to Bidders”.**

“NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (Executive order 11246)”.

Lease Crutcher Lewis, LLC (CM/GC) is committed to taking affirmative action to encourage and facilitate the participation of minority, women-owned, and emerging small business enterprises (M/W/ESBE) in State projects and encourage Subcontractors to provide similar opportunities for their subcontractors / vendors.

LEASE CRUTCHER LEWIS, LLC, (CM/GC)

Mark Butler

Publications

Daily Journal of Commerce	December 20, December 27, December 30
Eugene Register Guard	December 20, December 30
Contracts and Careers	December 27
The Skanner	December 26
Portland Observer	December 25
Oregon University Systems website	

# INVITATION TO BID

## II. INSTRUCTIONS TO ALL BIDDERS FOR ALL BID PACKAGES – ALL TRADES

Bids for the above work will be received and publicly opened at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue Portland, Oregon 97205, or by email to [uoemubids@gmail.com](mailto:uoemubids@gmail.com) no later than **3:30 p.m. PST, Tuesday, January 14, 2014.**

### 1. **BID DOCUMENTS:**

- 1.1 **II. INSTRUCTIONS TO ALL BIDDERS**: By LEWIS,– All Trades dated 12.23.13.
- 1.2 **TRADE-SPECIFIC INSTRUCTIONS TO BIDDERS**: By LEWIS, dated 12.23.13.
- 1.3 **BID FORM**: See Exhibit “A”.
- 1.4 **PLANS & SPECIFICATIONS**: See Exhibit “B”.
- 1.5 **SCHEDULE**: See Exhibit “C”.
- 1.6 **SITE LOGISTICS PLAN**: See Exhibit “D”.
- 1.7 **GEOTECHNICAL REPORT**: See Exhibit “E”.
- 1.8 **SUBCONTRACT**: See LEWIS’ Standard Subcontract Form, Exhibit “F”.
- 1.9 **PURCHASE ORDER**: See LEWIS’ Standard Purchase Order Form, Exhibit “G”.
- 1.10 **TRADE INTERFACE AGREEMENT**: See Exhibit “H”.
- 1.11 **PREVAILING WAGE “BOLI”**: See Exhibit “I”.
- 1.12 **INSURANCE**: See LEWIS’ Standard Insurance Certificate, Exhibit “J”. Comply with all insurance requirements.
- 1.13 **SITE SPECIFIC SAFETY PLAN**: Available for review at LEWIS main office upon request.
- 1.14 **OWNER CONTRACT**: Available for review at LEWIS main office upon request.
- 1.15 **PERFORMANCE AND PAYMENT BOND** (as required).

### 2. **FORM OF PROPOSAL:**

- 2.1 All bids shall be submitted on the Bid Form (*Exhibit ‘A’*). Acknowledge this **Invitation to Bid and Instruction to Bidders** and all **Addendum(s)** and/or **Amendment(s)** on the Bid Form. Proposals shall be valid and binding upon the bidder for sixty (60) days following the bid date. The Bid Form shall be executed in entirety and **signed without modification** other than reference to clarifications on a separate attachment, if required.
- 2.2 Alternates shall be valid and binding upon the bidder for ninety (90) days following the bid date.
- 2.3 Proposal shall be signed in the space indicated by a person so authorized, and his/her title or position shall be clearly indicated.

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University of Oregon  
II. Instructions to all Bidders

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- 2.4 All other taxes incurred in connection with the performance of this work shall be paid by Subcontractor.

## **3. BID DATE:**

- 3.1 All sealed bids shall be received at the Portland Office of Lease Crutcher Lewis, 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, on **Tuesday January 14, 2014 at 3:30 PM (PST)**. Bids will be publicly opened. Emailed bids will be accepted at [uoemubids@gmail.com](mailto:uoemubids@gmail.com). It is the responsibility of the bidder to be certain that LEWIS has received the bid.

## **4. PRE-BID CONFERENCE:**

**A mandatory pre-bid conference for the fire sprinkler and earthwork scope of work (optional for remaining scopes), will be held on Monday, December 30, 2013 at 1:00pm at the jobsite location on the University of Oregon Campus in the south dining area (near Panda Express) of the EMU (approximate address for reference is 1222 E. 13<sup>th</sup> Ave, Eugene, OR 97403).**

## **5. CONTACT FOR INFORMATION:**

Mark Holligan, Project Engineer  
Telephone: (503) 223-0500

Mark Butler, Project Manager  
Telephone: (503) 223-0500

## **6. DOCUMENT REVIEW:**

- 6.1 "Invitation to Bid" complete with Plans & Specifications may be reviewed at the following locations in Oregon/Washington:

### **CM/GC – Portland Office**

Lease Crutcher Lewis  
550 SW 12<sup>th</sup> Avenue  
Portland, OR 97205  
Tel: 503.223.0500  
Fax: 503.223.2874

### **Plan Centers**

DJC Plan Center - Portland  
Oregon Contractor Plan Center - Clackamas  
McGraw-Hill Construction Dodge - Portland  
SW Washington Contractors Association - Vancouver, WA

### **Online**

<http://precisionimages.com>:

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[www.bxwa.com](http://www.bxwa.com): **Click** on Posted Projects; GC Project Areas; OR; Lease Crutcher Lewis; Portland Office; Projects Bidding

## **Document Purchase Procedures**

Contract Documents may be purchased (non-refundable) in its entirety or in part from Precision Images, 503.227.3424.

## **7. PROTESTS:**

- 7.1 Any prospective bidder who responds to this bid package and claims to have been adversely affected or aggrieved by the bidding process shall have five calendar days after notification of the selected bidder to submit a written protest to: Bart D. Ricketts, Lease Crutcher Lewis, LLC (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, OR 97205. This written notification is to be received by 5:00 P.M. within the identified five-calendar-day period.

## **8. BOND:**

- 8.1 Bidders must be bondable for 100% of their base bid, plus any potential alternates.
- 8.2 **PERFORMANCE AND PAYMENT BOND**: Premiums should NOT be included in the base bid. Should a performance and payment Bond be requested for the subcontractor's scope of work the cost should be separate from the base bid.
- 8.3 **PUBLIC WORKS BOND**: All subcontractors shall have in place a Public Works Bond, as required by the Oregon Bureau of Labor and Industry (BOLI) to perform public work with certified payroll, and have documentation that said bond is filed with the Construction Contractor's Board.

## **9. ACCEPTANCE OF BIDS:**

- 9.1 The Owner and Contractor reserves the right to waive any irregularity or informality in any bid received.
- 9.2 The Owner and Contractor reserve the right to reject any or all bids on ANY basis.

## **10. CLARIFICATIONS:**

- 10.1 Should a Bidder find ambiguity, inconsistency or error in the Contract Documents all questions shall be directed ***in writing*** to LEWIS to the attention of Mark Butler at 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, or via email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com). **All questions shall be submitted directly to LEWIS** for the Architect and/or Subconsultants review no later than **3:00 PM on 1/07/14**. Bidders shall not contact the owner, architect or engineers directly for any reason.
- 10.2 Only those clarifications issued in the form of **Addendum(s)** by SERA Architects, or **Amendment(s)** by LEWIS shall be valid and become a part of the Contract Documents. LEWIS, the Owner, nor the Architect will be responsible for verbal instructions or information.
- 10.3 Substitution Requests shall be submitted **to LEWIS** for the Architect and/or Subconsultants review and consideration no later than **3:00 PM on 1/07/14**.
- 10.4 **In the event the Bidder chooses to exclude an item of work which was included as part of his/her scope of work as described in the Specifications, the Instructions to**

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**Bidders, or any other of the bidding Documents, the Bidder agrees to accept LEWIS' evaluation of the cost of the missing item for the purpose of comparing bids.**

- 10.5 Bidders shall include all cost to accomplish the intent of the documents. In the case of conflicting information in the bid documents, which cannot be resolved prior to bid, bidders are to include the cost for the more extensive or stringent requirement or higher quality where applicable.

## **11. GENERAL BIDDING REQUIREMENTS:**

- 11.1 **SCHEDULE**: (Reference Exhibit "C" dated **12/20/13**.) Time is of the essence for this project. All bids shall be based on the ability to meet the schedule. Your proposal shall include specific lead time information and any other information that must be considered in order to eliminate any potential delays to the preliminary schedule. Costs of any nature resulting from subcontractor's failure to comply with the requirements of the Project Master Construction Schedule, including necessary revisions thereto, shall be charged to the subcontractor so responsible.
- 11.2 **MATERIAL ESCALATION**: Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
- 11.3 **TAXES**: Base bid shall include all applicable taxes for all items.
- 11.4 **MEETINGS**: Your base bid includes attending all applicable preconstruction, coordination, or key trade meetings as required by LEWIS.
- 11.5 **ADDENDUM(S)**: There may be an Addendum(s) issued prior to bid day.
- 11.6 **SUBSTITUTES**: All bidders shall note that it is LEWIS' intent to "pre-approve" any alternate bids prior to award. Any bidder intending to substitute an "or equal" product for a product specified under this contract's specifications must follow the substitution requirements as indicated in Division 1 of the Specifications.
- 11.7 **CONTRACT**: Contract documents, including but not limited to Construction Contract, between The Oregon Board of Higher Education and LEWIS. All contract documents are available for review at the Main Office of LEWIS. All reference to and requirements of "Contractor" or "CM/GC" in their contract documents should pertain to subcontractor as well. The Subcontractor agrees to be bound to Contractor by the terms of the contract documents.
- 11.8 **WAGE REQUIREMENTS**: All bidders must comply with the following requirements; BOLI Prevailing Wage Law, ORS 279.350, be licensed with the Construction Contractors Board, ORS 671.530 and resident status, ORS 279.029. All bidders must also comply with Davis Bacon requirements.
- 11.9 **SCOPE OF WORK**: The work shall include, but is not necessarily limited to furnishing all labor, engineering, detailing, material, equipment, and supervision required to perform all of your scope of work, complete and in accordance with all Drawings, Specifications, Instructions to Bidders, all other documents, and all applicable codes and authorities.
- 11.10 **SITE LOGISTICS**: All Bids shall reflect management of the Site as defined by Exhibit "D".

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- 11.11 MATERIAL BILLING: Billing for offsite stored materials will NOT be allowed unless specifically approved by the Owner. Additional insurance and documentation requirements apply and all costs to meet these requirements must be included in your bid.
- 11.12 PROJECT STAFFING: Bidder shall provide a capable foreman/superintendent with proven experience in handling projects of this size. Only quality workmanship will be accepted. Haphazard or poor installation practice will be cause for rejection of work.
- 11.13 POST BID INTERVIEW: Post bid interviews may be conducted with the lowest qualified bidder to verify a complete understanding of the required scope of work. Subcontractors should be prepared to discuss Safety, Scope of Work, Project Staff, Schedule, Pricing and Site Requirements if requested to attend a Post Bid Interview.
- 11.14 VALUE ENGINEERING: Bidders are encouraged to offer deductive alternates/(Value Engineering). These cost saving ideas shall be indicated separately from the base bid.

## 12. **SPECIFIC BIDDING REQUIREMENTS:**

- 12.1 WORK HOURS: Regular work hours are 7:30 a.m. to 4:00 p.m. Monday through Friday, with ½ hour for lunch or as otherwise directed by the Superintendent. Work outside these hours will need to be reviewed and approved in advance by LEWIS.
- 12.2 SMOKING & EATING POLICY: All subcontractors shall note there will be no smoking or eating onsite or inside the building area. This includes sunflower seeds and chewing tobacco. A location on site will be designated for eating during breaks.
- 12.3 DRINKING WATER: Bidders shall include all costs for drinking water and ice required by their own forces.
- 12.4 PARKING/STORAGE: The parking of equipment, storage of material, parking of construction personnel's vehicles, and use of any permanent facilities in the project is extremely limited and shall be as directed by Lease Crutcher Lewis, LLC (CM/GC) and the University of Oregon. Subcontractor is responsible for parking of both company and crew vehicles. **No onsite parking will be available.**
- 12.5 SANITATION: LEWIS will provide portable chemical toilets at the building site as required by State law. Subcontractors desiring to have toilet facilities in their field office trailer shall make their own arrangements and pay for water and sewage hookup/disposal.
- 12.6 TELEPHONE: Subcontractors desiring to have a telephone in their field office shall make their own arrangements and pay for same.
- 12.7 WATER: LEWIS will provide a temporary source of water equipped to accommodate a single ¾" hose only. Subcontractors shall provide for his/her own distribution of water beyond this source including connecting of water to office trailers. Volume requirements in excess of the ¾" hose shall be provided by Subcontractor.
- 12.8 ELECTRICAL POWER: LEWIS will provide electrical power sources inside the building of capacity for hand tools only. Heavy-duty requirements such as welding, hoisting, heat generating units and other heavy electrical loads shall be provided from sources furnished and paid for by the subcontractor involved. Subcontractor shall also provide and pay for all temporary wiring and power necessary for their field offices and sheds.
- 12.9 TEMPORARY LIGHTING: LEWIS will provide temporary lighting inside the building. Task lighting will be the responsibility of the subcontractor.

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- 12.10 **SEQUENCING, BARRICADING AND TRAFFIC CONTROL**: Subcontractor shall make provisions for sequencing and barricading of work and shall provide for the complete safety of the public and all construction personnel and shall create a minimum of interference with the normal flow of pedestrians and vehicles either on or off the site. This shall include, among other things, flagpersons and/or traffic plates across trenches to provide uninterrupted traffic flow. All flagpersons shall be trained, oriented and equipped with all necessary Personal Protective Equipment (PPE) prior to starting the flagging operations. Subcontractor's proposed method of sequencing, staging, barricading, traffic control, etc., shall be submitted to and have prior approval of LEWIS.
- 12.11 **NOISE AND VIBRATION**: No major vibration and/or noise producing equipment or construction procedures may be used without prior LEWIS approval. Include all labor, material and equipment for noise/vibration control.
- 12.12 **VENTILATION**: Include all labor, material and equipment for Ventilation if required. This includes ventilation needed for welding activities. Subcontractors are responsible to provide building filtration and/or ventilation required to support their own work.
- 12.13 **MOTORS**: No gasoline or unscrubbed diesel motors can be used inside the building. You must use electric, propane or scrubbed diesel motors.
- 12.14 **DUST CONTROL AND CLEAN UP**: It is mandatory that all Subcontractors take appropriate precautions to assure that their work is accomplished within parameters of cleanliness consistent with this type of facility. Subcontractors will be responsible for their own operations and subsequent dust control and daily clean up of same. If a justified complaint is received from the Owner and/or General Contractor, the Subcontractor shall immediately take whatever steps are necessary to correct the situation. If a second justified complaint is received, LEWIS shall have the option of correcting the problem with all costs associated with it to be charged to the Subcontractor responsible. LEWIS shall be the sole judge as to the validity of any complaint. In addition, each Subcontractor with five or more workmen on site shall provide one (1) workman for use by the Contractor on a site/building cleanup crew four (4) hours per week for the duration of the Subcontractor's installation period. This shall not alleviate Subcontractor of responsibility for daily cleaning. At completion of work, the Contractor and each Subcontractor shall remove waste materials, rubbish, tools, equipment, machinery, storage sheds, offices, temporary protection, surplus materials, and clean sight-exposed surfaces; leaving the project clean and ready for occupancy.
- 12.15 **HAUL DEBRIS/DUMP FEES/RECYCLING**: All subcontractors will be required to remove from site and legally dispose of all excess material and bulk debris created by said trade, on a daily basis. Subcontractors will participate in the recycling of materials as directed by LEWIS.
- 12.16 **TOXICS AND HAZARDOUS WASTES NOTICE**: All Subcontractors will be required to remove from site and properly dispose of all of their own hazardous waste materials and containers in accordance with Federal, State and Local ordinances and regulations. Containers shall be properly labeled in accordance with OSHA regulations and the MSDS program.
- 12.17 **BUILDING CONTROLS**: LEWIS will provide a minimum of one (1) offset control line in each direction and one (1) elevation benchmark on each floor for Subcontractors' use.

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Subcontractors shall be responsible for all other layout and serving required to perform their work.

- 12.18 **HOISTING AND VERTICAL TRANSPORTATION:** Subcontractor shall provide for his/her own off-loading, hoisting, rigging, rigging equipment, transport and distributing requirements including vertical transportation of personnel. Subcontractor shall have a *qualified* trained designated rigger who will rig material, insure that all hoisting is safe and ready, insure that materials and equipment are properly rigged and give proper crane signals to crane operator.
- Each Subcontractor shall furnish their own forklift, pallet jacks or other material handling equipment for their own use. All material lifting must be coordinated with LEWIS Superintendent at least 24 hours in advance.
- 12.19 **SCAFFOLDING:** Scaffolding, rolling staging, scissor lifts, and like equipment will NOT be furnished by LEWIS. Subcontractor should include all scaffolding, work platforms, ladders, boom lifts, scissors lifts, etc. required for your scope or access to your work. Please note that once drywall begins, all scissor lifts are to be removed from the floor/area and overhead access should be assumed by ladder or work platform. Also, include the cost to provide scaffolding or lift equipment for inspector's daily use for inspection of your scope.
- 12.20 **OVERHEAD ATTACHMENTS:** All attachments to the concrete structure will require drilled-in expansion type anchors. Power actuated fasteners are allowed *subject to structural engineer review*. All attachments will require seismic design by the subcontractor and "your" hired "Oregon-licensed" structural engineer for seismic supports. The design will be submitted to the Structural Engineer of Record for review and approval prior to installation. All subcontractors will calculate and show placement of all seismic anchors and attachments on their shop drawings and/or coordination drawings in order that LEWIS can submit combined weights of all anchors to structural engineer for review.
- 12.21 **FIRESTOPPING:** Each Subcontractor is responsible for fire stopping any penetrations that their work creates through rated assemblies (floor, roof, wall, and ceiling, etc.). Comply with the specification section on Firestopping.
- 12.22 **DAILY REPORTS:** Subcontractor shall submit daily reports of field activities to LEWIS using the standard form provided. The report will include an attachment to indicate personnel and major equipment employed as well as major material deliveries. Daily Reports shall include the work of the subcontractor and sub-subcontractor, and must be turned in by 9:00 a.m. on the following day. Failure to so execute as directed above will delay monthly and final progress payments. Daily Reports are intended to only record progress.
- 12.23 **SUPERVISION:** All work will be under the direct supervision of representatives of LEWIS. The Subcontractor shall have a competent person in charge at all times. He/She will cooperate with, and be responsible to, the representatives of the General Contractor.
- 12.24 **INSPECTION OF WORK:** Any or all of the installation of the work of this bid package may be inspected or observed at any time by the Architect, LEWIS and/or the Owner or their representatives. It shall be the installing contractor's responsibility to provide notice of when work is complete and ready for inspection prior to being covered up by his own work



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or the work of other trades. If any portion of the installed work has been covered or concealed prior to being inspected or observed and accepted, the installation shall be uncovered, restored, and corrected as required at no additional cost to the Owner or LEWIS. You may be liable for re-inspection costs due to a failed inspection.

- 12.25 THIRD PARTY TESTING: Unless otherwise indicated in the documents, the Owner will select the testing laboratory and pay for their costs. (With the exception of regulatory testing as required to assure worker safety as required by OR-OSHA.) If re-testing is required due to failed test, the cost of re-testing will be deducted from the Subcontract amount. Subcontractor is responsible for any schedule delays due to failed inspections. Subcontractor must coordinate testing with testing agency and inspections with both LEWIS and the County Inspector.
- 12.26 REMEDIAL WORK: Cutting, patching, repairing and any other remedial work that becomes necessary shall be either performed or paid for by the Subcontractor whose work necessitated such remedial work. Remedial work shall comply with all requirements for new work.
- 12.27 SAFETY: LEWIS is committed to maintaining a safe work place. All Subcontractors performing work on-site shall submit their site specific safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to LEWIS. In addition, the Subcontractor shall adhere to LEWIS Safety Program Requirements.
- Subcontractor shall be solely and completely responsible for conditions of the jobsite, including safety of all persons and property during performance of the work. This requirement will apply continuously and shall not be limited to normal working hours.
- Subcontractor **shall provide** orange or yellow safety vests, hardhats, gloves and eye protection for all of their field personnel on the jobsite. Note that hard-hats and eye protection **must** be worn by all trades at all times on this project. Personnel shall also be required to wear these colored safety vests at all times when hazards are present, except during welding / brazing operations.
- 12.28 QUALITY ASSURANCE PROGRAM: The LEWIS Quality Assurance Program will be enforced on this project. Subcontractor involvement includes, but is not limited to preconstruction meetings, quality assurance protocol development, quality tour involvement, quality mockups, material verification and “Zero Punchlist” as directed by the Contractor and/or Architect.
- 12.29 DRUG TESTING: In order to further the commitment of providing and maintaining a safe and healthy work place for the benefit of project personnel and the public, LEWIS shall have mandatory drug testing for all Lewis employees. Subcontractors are strongly encouraged to establish a drug and alcohol-testing program for their employees assigned to this project. Post injury drug testing is required for any lost time due to injury in order to return to the jobsite.
- 12.30 PERMITS, LICENSES, AND FEES: A general building permit will be provided by the Owner. Subcontractor shall obtain and pay for all other permits, licenses, fees, services,

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governmental inspections and tests and any other privileges required for the performance of his/her work.

- 12.31 **LOCAL ORDINANCES & CODES:** Conform to all County and Local Ordinances & Codes with regard to Noise, Dust, Fumes & Vibration Requirements. The subcontractor shall include all costs to ensure that work will not create any nuisance or other condition, including but not limited to odors, fumes, vapors, mists, dust, particulates or visible plumes, that may create injury or illness to or reasonable concerns by any person or interference with or stoppage of work.
- 12.32 **DESIGN/BUILD:** All subcontractors who have design responsibilities in their specification sections shall note the requirements of Division 1. Subcontractors shall also include all plan check and permit fees as required for design/build scopes of work. This contract shall include preparation of all necessary drawings, details, calculations stamped and signed by an Oregon Licensed Engineer (as required by the International Building Code and City of Eugene), etc., as required to procure a permit from the City of Eugene Building Department.
- 12.33 **DESIGN/BUILD INSURANCE:** Both the design engineer and the direct subcontractor to LEWIS must meet all the insurance requirements of LEWIS and the project contract documents. Specifically, both shall carry errors and omissions policies as required by LEWIS.
- 12.34 **UNIT PRICES:** Subcontractor may be asked to submit unit prices for various portions of the work. Unit prices are to include all of the Subcontractor's labor, material, equipment, plant, labor overhead, taxes and the Subcontractor's overhead and profit for completing the item of work. Unit prices shall be in effect for the duration of the project.
- 12.35 **LABOR RATES:** This is a prevailing wage project. Labor rates shall include, but not necessarily be limited to, labor burden, fringes, payroll taxes, worker's compensation and liability insurance, etc. In addition, the labor rates shall also include a percentage for all overhead items such as home office administration, estimating, cartage, small tools, pick-up trucks, all travel time (Including Union travel time agreement costs), parking fees, supervision, and all direct job expenses. If requested, the subcontractor shall provide a detailed breakdown of their labor rates.
- 12.36 **CHANGE ORDER PRICING:** In the event that a change of scope is identified by LEWIS, the subcontractor must submit detailed pricing for the identified change in scope. All change orders submitted must be accompanied with a complete detailed estimate clearly showing the quantities for all materials, material prices, labor units, equipment, mark-up and all other costs. Also include detailed estimate from sub-subcontractors.
- 12.37 **REPROGRAPHICS:** **The cost of all drawings and specifications for subcontractor's field and office use shall be included in this bid.**
- 12.38 **AS-BUILTS:** As-Built drawings will be closely monitored and are a strict requirement of this project. Subcontractors are required to maintain a blackline set of plans and specifications. Your lead person shall continuously update his/her as-built information on these documents. At the end of the work, your firm will turn over these documents and a cleaned up reproducible plan set with four (4) blacklines. Failure to so execute as directed above will delay monthly and final progress payments.

# **INVITATION TO BID**

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- 12.39 GUARANTIES AND WARRANTIES: The date used for all warranties and guaranties is the Project substantial completion date.

**END OF INSTRUCTIONS TO ALL BIDDERS**

# **INVITATION TO BID**

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## **Bid Package #1.01**

### **“Demolition”**

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Demolition** scope of work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- A. Specification Section Div 1 entitled General Requirements
- B. Specification Section 02-41-00 entitled Demolition
- C. Specification Section 02-83-00 entitled Lead Control Procedures (reference)

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. Subcontractor shall provide protection and/or repair, if damaged by Subcontractor's operations, to any and all existing improvements, utilities, and/or appurtenances.
2. Qualification Requirements
  - a. BONDING CAPACITY – Subcontractor shall provide performance and payment bond for the full value of this project. *Provide in writing the name, address and phone number of bonding surety and agent.*
  - b. FIRM EXPERIENCE – Provide in writing a minimum of 3 of your firm's successful projects in the last 3 years and a minimum of 5 years of experience with this system. The projects are to be of similar construction type, size, cost, and complexity. For these projects, include initial subcontract amount, total change order amount, description of project, and duration of project. Include General Contractor and Owner contact names and phone numbers as references.
  - c. PROJECT TEAM EXPERIENCE – Provide names and resumes of proposed personnel for the project. At a minimum, include project manager, field foreman(s), and detailer. Team members must have experience with projects of similar construction type, size, cost, and complexity. Include owner, general contractor and engineer / architect references with each resume.

# **INVITATION TO BID**

3. Bids are solicited for selective demolition of a portion of the existing Buildings including all material, equipment, and debris included within, including but not limited to, all interior finishes, Exterior walls, interior walls, roofing, ceilings, structure, slab on grade, mechanical, plumbing, and electrical systems as shown on the Contract Documents and/or as directed by CM/GC.
4. Subcontractor shall provide a demolition plan for its work prior to commencing work.
5. Subcontractor shall include all demolition indicated on the Contract Documents regardless of the drawing sheet indicating the work (A,S,M,P,E).
6. Subcontractor shall include all saw-cutting, core-drilling, shoring and bracing required to complete demolition scope of work. Shoring shall be engineered and meet the requirements of the authorities having jurisdiction for work adjacent to occupied structures. Contractors shall shore structures to remain in place where required. Subcontractor specifically to include all sawcutting and slab removal shown on drawings. Soil/gravel excavation, utility installation, backfill and new concrete is excluded.
7. Subcontractor to include all shoring, sawcutting and removal of concrete required for demolition shown at elevated decks.
8. Subcontractor shall include cost of utility tunnel demolition shown on AC301. Scope to also include all sawcutting and slab removal at Level 1 entry. Tunnel demo will be phased with CM/GC to maintain utility services to existing building, which will require to mobilizations for this scope (first to make connection for new tunnel and Level 1 entry demo; second to demo existing tunnel)
9. Items that are indicated to be “salvage for reuse” or “salvage to owner” shall be removed and stockpiled per the direction of the General Contractor and Owner.
10. Subcontractor shall be solely responsible for the protection of all adjacent structures, finishes, buildings, and facilities, including critical University utilities and infrastructure that must be maintained during demolition.
11. Subcontractor shall provide adequate control measures, including but not limited to signage, barricades and protection to maintain safe access to existing buildings.
12. Subcontractor is responsible for all offloading, handling, hoisting, scaffolding and lifting required to perform the work of this package
13. Subcontractor shall complete work in a manner as to allow existing substrates, scheduled to remain, to be plumb, level and straight. Surfaces shall be left in a condition capable of accommodating any and all future improvements and attachments with no additional work.
14. Subcontractor shall not shut down existing facilities at any time during construction. Temporary utilities may need to be installed to insure no interruption to the existing services. Any shut downs (Short term) shall be authorized in writing 10 days prior to start of work.
15. The work shall be removed in a manner that secures the scheduled salvage materials, and provides optimum opportunity for resource recovery and recycling by the Subcontractor and minimizing the quantity of refuse to be disposed of as waste in the course of the Work. Subcontractor shall provide daily truck tickets quantifying the percentage of debris that has been recycled.

# **INVITATION TO BID**

16. Subcontractor shall include off-haul and legal disposal or recycling of all demolished debris and trash, which has accumulated or accumulates as a result of its operations. Subcontractor shall remove material on a daily basis.
17. Subcontractor shall anticipate stock-piling demolition debris as needed due to potential temporary access restrictions and schedule requirements.
18. Subcontractor shall take all precautions necessary and as directed to mitigate and abate nuisances including but not limited to air, noise, water, etc. This shall include, but not be limited to, provisions for dust and debris control in accordance with requirements of Federal, State, and Local agencies and as directed by the Contractor.
19. Subcontractors will coordinate with Mechanical and Electrical subcontractors to verify safe-off of mechanical and electrical systems and equipment prior to demolition. Damage due to the lack of coordination will be the responsibility of Subcontractor.
20. Demolition of existing materials containing lead based paints shall be performed in accordance with the requirements of Federal, State, Local jurisdictions and OSHA. TCLP testing for lead will be performed by the Owner, if required. It is anticipated that composite materials for disposal will test below 5 ppm.
21. Removal of asbestos containing materials (ACM) will be completed by others. Should additional ACM be encountered during demolition, Subcontractor will provide immediate written notification to Contractor and cease operations in the area, which may disturb the ACM or otherwise create a health hazard. Subsequent removal of ACM shall be performed and paid for by others. In this event, Subcontractor shall make every effort to continue demolition-related activities in other areas of the site at no additional cost.
22. Subcontractor shall equip its workers with all necessary safety equipment, including but not limited to, fall protection and air quality per OSHA standards. Subcontractor shall include air quality sampling per OSHA regulations during the demolition phase of work.
23. Subcontractor shall anticipate providing its own specific layout and elevation control. Contractor will provide one control line in each direction and one elevation benchmark.
24. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
25. Subcontractor shall coordinate their work with other trades as necessary.
26. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent.
27. Subcontractor shall clean-up and remove from the jobsite all trash and debris which has accumulated or accumulates as a result of its operations.
28. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.

# **INVITATION TO BID**

29. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials. All labor and materials for rigging, pumping and hoisting of materials shall be the responsibility of the Subcontractor. Subcontractor shall provide traffic control and flagging necessary to complete its operations, including all loading and unloading of materials.
30. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED Certification. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
31. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits "C") and Site Logistics Plan (Exhibit "D"). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.
32. The Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the Contractor.

## **SCHEDULE AND MANPOWER GAURANTEE**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

### **B. ALTERNATES (reference spec section 01 2300 and drawings for further descriptions).**

The following prices shall apply throughout the duration of the project and, at the sole discretion of the Contractor, be incorporated into the Subcontract by future change order. Pricing should cover all costs associated with completing the alternate for your scope of work, including but not limited to, labor, labor burden, materials, equipment, sub-subcontracts, fuel, maintenance and repairs, estimating, supervision, administrative costs, insurance, taxes, overhead and profit.

**Alternate No. 1 – Casework. This is a deductive alternate (modifies description in Section 01.23.00 1.05A). Base bid should reflect what is shown in drawings. If owner chooses to decrease casework scope, team will modify scope to decrease casework by approximately 1/3.**

**Alternate No. 2 – Reception Desk. Base bid assumes no Reception Desk. Alternate price is to add the cost to supply and install reception desk shown in AC150/AC803 (please price detailed drawing of "L" shaped desk on AC803, not curved desk shown on AC150.)**

**Alternate No. 3 – Green Wall. Base bid assumes standard fencing. Alternate price is to add the cost of green wall.**

**Alternate No. 4 – Sliding Door. Base bid assumes just a cased opening at this location (no sliding door). Alternate price is to add the cost of the sliding door complete.**

**Alternate No. 5 – Roller Shades. Base bid assumes all roller shades are by others. Alternate price is to add roller shades as shown.**

**Alternate No. 6 – Wood Ceiling. Base bid assumes no wood ceilings. Alternate pricing is to add wood ceilings as shown.**

# **INVITATION TO BID**

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**Alternate No. 8** – Enlargement of wood shop door opening. There is no scope required for the base bid (door opening remains per existing). Alternate price is the added cost to provide an enlarged opening.

**Alternate No. 9** – Craft Center Outdoor Cover. Base Bid reflects the current drawings. Alternate price includes adding structure/roofing for an enlarged covered area.

C. **UNIT PRICES:** N/A

END OF SECTION



# **INVITATION TO BID**

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## **Bid Package #1.02** **“EARTHWORK / UTILITIES”**

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Earthwork and Utilities** work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- |  |   |
|--|---|
| A. Specification Section <u>Div 1</u>    | entitled <u>General Requirements</u>                                  |
| B. Specification Section <u>31-10-00</u> | entitled <u>Site Clearing</u>   |
| C. Specification Section <u>31-20-00</u> | entitled <u>Earth Moving</u>  |
| D. Specification Section <u>31-23-33</u> | entitled <u>Trenching and Backfill</u>                                |
| E. Specification Section <u>31-25-00</u> | entitled <u>Erosion Control</u>                                       |
| F. Specification Section <u>32-90-00</u> | entitled <u>Plantings</u>   |
| G. Specification Section <u>33-10-00</u> | entitled <u>Water Utilities</u>                                       |
| H. Specification Section <u>33-30-00</u> | entitled <u>Sanitary Sewerage Utilities</u>                           |
| I. Specification Section <u>33-39-13</u> | entitled <u>Sanitary Utility Sewerage Manholes, Frames and Covers</u> |
| J. Specification Section <u>33-40-00</u> | entitled <u>Storm Drainage Utilities</u>                              |
| K. Specification Section <u>33-49-13</u> | entitled <u>Storm Drainage Manholes, Frames &amp; Covers</u>          |
| L. Specification Section <u>33-51-00</u> | entitled <u>Natural Gas Distribution</u>                              |

### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

#### **A. Subcontractor shall include, but not be limited to, the following:**

1. Subcontractor shall provide Site Clearing, Earth Moving, Erosion Control, Water Utilities, Storm Drainage Utilities and Natural Gas Distribution complete and in strict accordance with the Main Contract Plans and Specifications.
2. Qualification Requirements

# **INVITATION TO BID**

- a. BONDING CAPACITY – Subcontractor shall provide performance and payment bond for the full value of this project. *Provide in writing the name, address and phone number of bonding surety and agent.*
  - b. FIRM EXPERIENCE – Provide in writing a minimum of 3 of your firm’s successful projects in the last 3 years and a minimum of 5 years of experience with this system. The projects are to be of similar construction type, size, cost, and complexity. For these projects, include initial subcontract amount, total change order amount, description of project, and duration of project. Include General Contractor and Owner contact names and phone numbers as references.
  - c. PROJECT TEAM EXPERIENCE – Provide names and resumes of proposed personnel for the project. At a minimum, include project manager, field foreman(s), and detailer. Team members must have experience with projects of similar construction type, size, cost, and complexity. Include owner, general contractor and engineer / architect references with each resume.
3. Subcontractor shall be responsible to conform to the recommendations of the soils engineer contained in the Geotechnical Investigation, see Exhibit “E”.
  4. Subcontractor shall be responsible for associated work shown on all Contract Drawings, including but not limit to, Civil, Landscaping, Architectural, Structural Drawings, Mechanical and Electrical.
  5. Clear and grub all areas indicated on the Contract Documents. Removal of trees shall be performed in a manner to prevent injury to persons and to prevent damage to property including adjacent trees scheduled to remain. Stumps and roots are to be removed except that tree removal adjacent to trees scheduled to remain and underground utilities shall include flush cutting or grinding to six inches (6”) below grade in lieu of removing the root system. Remove from site and properly dispose of all debris generated form the clearing and grubbing operation.
  6. Demolish and remove from site all asphalt and concrete paving, fence, rails, lights, steps, curbs, walks, walls and other structures within areas to be graded, schedule to receive new work, or otherwise shown to be removed. In soliciting a bid proposal for this package, subcontractor acknowledges that he/she has carefully examined the existing site conditions and understands the logistics of phasing requirements on this project. Subcontractor shall provide saw cutting of asphalt and concrete paving at locations where there are areas to be removed adjacent to areas to remain. Demolish and remove all existing underground utilities indicated to be removed.
  7. Subcontractor shall be responsible for design-build micropiles scope of work referenced on sheets SC001, SC150, SC300 and SC500 (approximate quantity 11). Please reference geological report for additional design requirements. In lieu of micropiles as shown, bidder may suggest alternative system. Please note items to be considered include structural load impact to tunnel as well as addressing potential impact on existing structure (any lower depth of footing will result in undermining of existing building).
  8. Subcontractor shall be responsible for excavation and shoring required to construct the Utility Tunnel connection shown on AC301. Scope to include excavation within Level 1 necessary to construct the tunnel entrance. Scope to also include all backfill and drainage.

# **INVITATION TO BID**

9. Remove and salvage site furnishings to UO for reuse including but not limited to signage, existing irrigation heads and control valves, bike racks and light poles.
10. Subcontractor shall include all fill required for new slab within building per SC150. Assume 12" of fill required.
11. Furnish and install all temporary erosion control in accordance with document guidelines and legal ordinances. Weekly review and documentation of erosion control maintenance, as outlined in the contract documents, will be the responsibility of Subcontractor. Temporary erosion controls are to be installed as soon as possible in the construction sequence and as required by the authority having jurisdiction. In the event additional temporary erosion control measures are required by adverse weather conditions and/or by the governing authority, Subcontractor will work with Contractor to expedite installation of said measures.
12. Subcontractor shall include placing and removal of 50 yards of additional rock for roadway maintenance, lay down area, access walkways, etc. to be placed per direction of CMGC.
13. Subcontractor shall have the sole responsibility to provide street cleaning for the duration of Subcontractor's work on the site. Street cleaning shall be performed to the satisfaction of Contractor and municipal authority having jurisdiction. Subcontractor shall cover loads and wash haul trucks as required by the municipal authority having jurisdiction.
14. Subcontractor shall provide means for wet weather excavation operations to the satisfaction of the Contractor, Owner and municipal authority having jurisdiction during the execution of the Subcontract.
15. Subcontractor shall provide and install all traffic control measures required for their scope of work and as directed by the General Contractor. This scope of work shall include, but not be limited to, signage, barricades, delineators, cones, flaggers and as directed by the city of Eugene. Subcontractor shall set up and take down traffic control measures as needed on construction access routes on campus by Lease Crutcher Lewis.
16. Subcontractor shall obtain and pay for all trucking and hauling permits required for the performance of the work of this Subcontract. Subcontractor shall abide by all traffic and noise restrictions imposed by the municipal authorities having jurisdiction. Subcontractor shall provide trained and certified traffic control that is acceptable to the municipal authority having jurisdiction during all hauling operations to and from the site.
17. Subcontractor shall establish grading during excavation to allow drainage of water to a common dewatering collection point to maintain positive drainage at all times as directed by the CM/GC.
18. Subcontractor shall establish a dewatering system including pumps, temporary settlement and filtration systems, sumps, piping, etc., for the project. The system shall conform to the City Standards and/or other jurisdictional authority. Subcontractor will be required to maintain the system during the excavation, utilities, foundation, etc. scopes of work. The system will remain in place until the CM/GC deems it no longer necessary.
19. Provide all site grading including but not limited to: 1). Loading, hauling and proper disposal of all exported materials (including forest duff and other materials that are unsuitable for compacted fill); 2) supplying, hauling, placing and properly compacting all imported materials; 3) grade cutting and filling (including proper compaction) utilizing imported materials that are approved by the geotechnical engineer of record; 4) fine grading all areas of the site following installation of underground utilities and just prior to paving; 5)

# **INVITATION TO BID**

maintaining vehicle and employee access throughout the construction site as required to meet the Owner's and CM/GC's requirements. (See respective Site Logistics and Phasing Plans, Exhibit "D").

20. Subcontractor shall include hand excavation around existing trees and roots to remain as required. Subcontractor shall notify CM/GC if roots are encountered and stop work immediately. Proceeding with work shall only be done after review and consultation by CM/GC and a certified arborist if required.
21. All site rough grading shall be to within +/- 0.10' of specified subgrade unless otherwise specified to a more stringent tolerance. Subcontractor shall provide water as needed to bring native or imported soils to optimum moisture content when placing and compacting.
22. Provide mass excavation and backfill for the new structures extending a minimum distance of 3'-0" beyond the footprint of building structures. Mass excavation shall be within +/- 0.10' of specified subgrade. Slope cuts shall be excavated as directed by Contractor and/or as required to meet all governing safety requirements.
23. Subcontractor shall be responsible for any measures necessary to retain backfill material at adjacent structures. Failure to maintain material in place will require replacement of the affected waterproof systems as the cost of this scope of work.
24. Subcontractor shall be responsible for all Rock Excavation including chipping and drilling as required. Rock as indicated in the Geotechnical Report Exhibit "E" is defined as medium hard to hard gray siltstone/sandstone. Subcontractor shall include the chipping and excavating of said rock to subgrade elevations indicated in the contract documents.
25. Provide structural excavation, including hard rock chipping, for all foundations, footings, piers, walls, etc in accordance with the Contract Documents and per the direction of the Contractor. Subcontractor shall include the subsequent structural backfill and compaction after construction of these elements is completed.
26. Subcontractor shall include a minimum of 6" of 1" minus crushed rock under all foundations as directed by the Contractor.
27. Subcontractor shall include excavation and backfill for all underground utilities, including, but not limited to, storm drain, sanitary sewer, water, and natural gas.
28. Subcontractor shall provide all labor, material and equipment for complete installation of building pad, including but not limited to supply and installation of crushed rock fully compacted and in accordance with Contract Documents and geotechnical requirements for the project.
29. Subcontractor shall provide all labor, material and equipment for complete installation of base rock sections at all site cast-in-place concrete, pavers, precast concrete, site foundations, walls and asphalt paving including but not limited to supply and placement of crushed rock fully compacted and in accordance with civil, landscaping, structural and geotechnical requirements for the project.
30. Rough grading for sidewalks and curbs to subgrade condition shall be included in this scope of work and be within +/- 0.10' of specified subgrade. Fine grading of these conditions prior to placement of concrete will be performed by this subcontract and is therefore included in this package. A minimum of 4" of ¾" minus will be placed under all curbs and 4" at sidewalks, unless more stringent requirements are indicated in the Contract Documents.

# **INVITATION TO BID**

31. Subcontractor shall prepare subgrades at lawn and planter areas to depths indicated prior to placing topsoil.
32. Subcontractor shall safe-off and repair/reconnect all irrigation affected by their scope of work.
33. Subcontractor shall provide mulch at “plant bed repair” areas per the site plan.
34. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits “C”) and Site Logistics Plan (Exhibit “D”). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.
35. Subcontractor shall always select the equipment best suited for the job in the best interest of the Owner and Contractor and will result in the lowest net cost to the Project. Space is at a premium therefore excavation shall be limited to area designated in the contract documents.
36. All mobilizations required to complete this scope of work and related activities.
37. Excavation required to lay back the banks at the slopes indicated within the soils report but shall be no greater than the limits specified in local, State and Federal safety regulations. Subcontractor shall be responsible for “means and methods” of excavation operations, including shoring as required, the cost of which is to be included in the Bid.
38. Subcontractor to provide and maintain temp fencing/barricades along the top of all excavations as required by local, State and Federal safety regulations and as directed by the Contractor.
39. Provide temporary and permanent shoring and bracing as necessary and as required to protect existing buildings, streets, walkways, trees, utilities, and other improvements and excavation against movement, settlement and caving embankments. .
40. Shoring and bracing systems shall include engineering, design and complete responsibility for strength and adequacy of shoring and bracing to resist earth, hydrostatic pressures, and other loads for conditions encountered. Substrate locations scheduled to receive concrete walls shall be prepared in a manner sufficient to accept water proofing.
41. Subcontractor shall be responsible for all notifications, protection and repairs associated with easements and adjacent properties.
42. Subcontractor shall include all hand labor necessary to complete its scope of work.
43. Foundation drainage systems, specifically including piping closer than 5' from the building, is to be included in this scope of work. Subcontractor shall include all plumbing permits and licensing for the perimeter drain scope of work as required by the authority having jurisdiction.
44. Demolition of existing utilities, plugging and/or capping of lines, CDF fill and other work as indicated is included.
45. Subcontractor shall call for private and public locates of existing utilities prior to any work to prevent damages to same. Electrical, phone and gas services will be “safed off” by others prior to demo by Subcontractor.
46. Subcontractor shall furnish and install all Water Lines, Sanitary Sewer and Storm Drain services as indicated and required by the Contract Documents.

# **INVITATION TO BID**

47. Subcontractor shall furnish and install Stormwater Treatment Structures, Detention Systems, Flow Splitter Structures, Catch Basins, Manholes, Area Drains, Backwater Valves, Trench Drains, etc.
48. Subcontractor shall cut and cap existing irrigation lines as required to perform the work of this bid package. Irrigation heads are to be salvaged to owner for reuse.
49. Subcontractor shall furnish and install all piping, valves, valve boxes, laterals, elbow tees, crosses, clean-outs, backflow preventers, manholes, vaults, sumps, pumps, caps, fittings, couplings, gaskets, trench drains, deck drains, catch basins, all fastening devices, anchorage and all other related accessories or apparatuses required for a complete installation of the work.
50. Subcontractor shall furnish and install Fire Line Backflow Preventer assembly complete including, but not limited to pipe, valves, stands, sump pump, vault, lid, double check assembly, FDC connection and connection to mainline.
51. Subcontractor shall work with the design team and CM/GC for a deferred submittal/permit for the fire line service. Work shall include detailed drawings including testing procedures and thrust block design.
52. Subcontractor shall furnish and install concrete thrust blocks and restraints as required by the Contract Documents and/or as necessary for a complete installation of the work.
53. Subcontractor shall perform all excavation, trenching, backfill and compaction as required for a complete installation of the work. All backfill and compaction work shall be performed so that it is accepted by applicable governing authorities and inspectors. Backfill at utilities in accordance with Contract Documents and Geotechnical Investigation Report.
54. Subcontractor shall include excavation and bedding of below slab piping, including sub-drainage, vent and drain lines. Piping of work within the building footprint will be performed by others.
55. Subcontractor shall furnish and install all site utility services at elevations and with slopes as required by the Contract Documents and all applicable codes and ordinances. The surface condition of the work area shall be restored to that existing prior to commencement of site utility work.
56. Subcontractor shall furnish and install all site utility services to the building within five (5) feet of the building perimeter. The Subcontractor shall perform tie-ins to all building services at five (5) feet from the building perimeter installed by others. The Subcontractor shall perform all tie-ins to existing City utility services where indicated by the Contract Documents. Subcontractor shall provide all piping and tie-ins associated with new sanitary, water, fire, irrigation and storm piping as referenced on Contract Documents. Subcontractor shall obtain written authorization prior to shutting down any existing utilities.
57. Subcontractor shall perform potholing at tie-in locations to existing utility services as necessary to verify locations and elevations and provide written explanation of any conflicts discovered. Potholing shall be performed and completed at least one (1) week prior to commencement of site utility installation work. Subcontractor shall verify with other Subcontractors in the area of the location of any temporary underground utilities not shown on the Contract Documents. Subcontractor shall pay the full costs of repair or replacement of any underground facilities damaged by it operations.

# **INVITATION TO BID**

58. Subcontractor shall furnish and install any and all utility service bedding materials required by the Contract Documents.
59. Subcontractor shall perform all flushing, cleaning, pulling of mandrels, TV inspection, chlorination and/or testing of utility services as required by the Contract Documents. Subcontractor shall obtain written acceptance of all site utility work from each appropriate agency, utility company and/or Owner of utility. Subcontractor shall provide final clean-out and testing of all utility lines and catch basins at the end of project, prior to final inspection.
60. Subcontractor shall obtain and pay the cost of all fees, license certificates and/or permits required and/or associated with the scope of work included herein. The Subcontractor shall install all work to comply with applicable codes, ordinances and authorities having jurisdiction. (Building permit will be furnished by others).
61. Subcontractor shall clean-up and remove from the jobsite all trash and debris which has accumulated or accumulates as a result of its operations.
62. Subcontractor shall provide protection and/or repair, if damage by Subcontractor's operations, to any and all existing improvements, utilities and/or apparatuses.
63. Subcontractor shall anticipate providing its own surveying, specific layout and elevation control.
64. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
65. All utility trenching through asphalt and concrete shall be preceded by saw-cutting and removing sufficient asphalt and/or concrete (including off-haul of demolished asphalt and concrete) to prevent cracking and otherwise damaging adjacent materials to remain. Subcontractor shall provide all concrete and asphalt saw-cutting and patching as required for the installation of the work under this Subcontract. Saw-cutting and patching of asphalt will be provided by this Subcontractor. Asphalt patching required by this Subcontract shall include all asphalt removed or damaged in City street right of way during the performance of the work of this subcontract. Asphalt patching shall include the installation of an asphaltic sealer at the joint of the asphalt patch and the adjacent asphalt. Subcontractor will provide concrete patching as required where concrete curb and walks are cut by Subcontractor.
66. Subcontractor shall provide adequate rock and filter fabric for construction access and staging area along the north and east sides of the project as shown in Exhibit 'D' (Site Logistics Plan). Subcontractor is to assume a minimum of 4" of 3/4" minus crushed rock over 14" of 2" crushed rock and fabric. Exclude the removal and disposal of all access roads and staging areas at the end of the job as this will remain for the next phases of the project.
67. Due to phasing requirements, piped utilities may be installed in zones and covered. Subcontractor shall provide all plugging and partial testing required to install sections of pipe and cover prior to completion of the complete pipe systems.
68. Subcontractor shall furnish and install all anti-corrosion asphaltic coatings and all grout as required for a complete installation of utilities.

# INVITATION TO BID

69. Subcontractor shall provide steel cover plates to cover all work in right of way or in access zones on-site at the end of each workday. Subcontractor shall provide steel plates over existing utility tunnel in the construction access roadways for the duration of the project.
70. Subcontractor shall provide labor and materials to adjust manhole covers to meet specified finished elevations. (This applies to both existing and new manholes and catch basins). Subcontractor shall verify existing conditions prior to submitting a bid.
71. Subcontractor shall supply and install geotextile fabric as shown on the contract documents and at the interface of subgrade and free-draining fill specifically including, but not limited to, at the vertical face of excavation at the building perimeter prior to backfill to prevent migration of fines into drainage fill.
72. Subcontractor shall comply with all LEED requirements as applicable for this scope of work. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
73. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
74. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. Safety toolbox meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent.

## SCHEDULE AND MANPOWER GAURANTEEE

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

## EXCLUSIONS:

1. Chain Link fencing around the perimeter of the jobsite and at tree protection will be installed and maintained by the CM/GC.

## **B. ALTERNATES (reference spec section 01 2300 and drawings for further descriptions).**

The following prices shall apply throughout the duration of the project and, at the sole discretion of the Contractor, be incorporated into the Subcontract by future change order. Pricing should cover all costs associated with completing the alternate for your scope of work, including but not limited to, labor, labor burden, materials, equipment, sub-subcontracts, fuel, maintenance and repairs, estimating, supervision, administrative costs, insurance, taxes, overhead and profit.

**Alternate No. 1 – Casework. This is a deductive alternate (modifies description in Section 01.23.00 1.05A). Base bid should reflect what is shown in drawings. If owner chooses to**



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decrease casework scope, team will modify scope to decrease casework by approximately 1/3.

**Alternate No. 2** – Reception Desk. Base bid assumes no Reception Desk. Alternate price is to add the cost to supply and install reception desk shown in AC150/AC803 (please price detailed drawing of “L” shaped desk on AC803, not curved desk shown on AC150.)

**Alternate No. 3** – Green Wall. Base bid assumes standard fencing. Alternate price is to add the cost of green wall.

**Alternate No. 4** – Sliding Door. Base bid assumes just a cased opening at this location (no sliding door). Alternate price is to add the cost of the sliding door complete.

**Alternate No. 5** – Roller Shades. Base bid assumes all roller shades are by others. Alternate price is to add roller shades as shown.

**Alternate No. 6** – Wood Ceiling. Base bid assumes no wood ceilings. Alternate pricing is to add wood ceilings as shown.

**Alternate No. 8** – Enlargement of wood shop door opening. There is no scope required for the base bid (door opening remains per existing). Alternate price is the added cost to provide an enlarged opening.

**Alternate No. 9** – Craft Center Outdoor Cover. Base Bid reflects the current drawings. Alternate price includes adding structure/roofing for an enlarged covered area.

## **C. UNIT PRICES: NA**

END OF SECTION

# INVITATION TO BID

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## Bid Package #1.03

### “CAST-IN-PLACE CONCRETE”

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data/engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Cast-In-Place Concrete / Concrete Reinforcement** work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- A. Specification Section Div 1 entitled General Requirements
- B. Specification Section 01-33-16 entitled Delegated Design Procedures (Utility Tunnel)
- C. Specification Section 03-30-00 entitled Cast-in-Place Concrete
- D. Specification Section 32-16-00 entitled Concrete Curbs, Gutter, and Walks

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

- 1. Qualification Requirements
  - a. BONDING CAPACITY – Subcontractor shall provide performance and payment bond for the full value of this project. *Provide in writing the name, address and phone number of bonding surety and agent.*
  - b. FIRM EXPERIENCE – Provide in writing a minimum of 3 of your firm’s successful projects of over \$300,000 completed in the last 3 years. The projects are to be of similar construction type, size, cost, and complexity. The firm is to have performed the function of concrete contractor for these projects. For these projects, include initial subcontract amount, total change order amount, description of project, and duration of project. Include General Contractor and Owner contact names and phone numbers as references.
  - c. PROJECT TEAM EXPERIENCE – Provide names and resumes of proposed personnel for the project. At a minimum, include project manager, field foreman(s), and detailer. Team members must have experience with projects of similar construction type, size, cost, and complexity. Include owner, general contractor and engineer / architect references with each resume.

# **INVITATION TO BID**

- d. REFERENCES - Provide names, addresses, and phone numbers of three owners, three contractors, three architects, to be used as references that can attest to the qualifications of your firm for the project.
2. Subcontractor shall furnish and install all concrete form work, concrete reinforcement, cast-in-place concrete, and joint sealers as shown and/or specified and as further indicated in the Contract Documents.
3. Subcontractor shall detail, furnish, fabricate, form, place, strip, finish and cure Structural Concrete complete as defined below.
  - a. Sub slab foundations (continuous, spread, and thickened edge footings.)
  - b. Slab on grade
  - c. Elevated Slab
  - d. Foundation, and stem walls.
  - e. Curbs with-in the building foot print.
  - f. Columns, Beams and plinths.
  - g. Concrete Corbels
  - h. Epoxy Dowels
  - i. Slab-on-grade block-outs and pour backs at structural steel.
  - j. Mechanical and electrical curbs and pads.
  - k. Housekeeping pads.
  - l. Joint sealer for concrete and related activities.
  - m. Keyways and water stops at all concrete joints whether specifically addressed in the contract documents or not. Product must be compatible with waterproofing system. Water stops must be inspected by CM/GC prior to pour.
  - n. Reinforcing steel systems complete.
  - o. Vapor Barrier.
  - p. Concrete embedded items
  - q. Remedial/Finegrade work at building pad of crushed rock base course if necessary to prepare subgrade for slab-on-grade.
4. Subcontractor shall detail, furnish, fine grade, fabricate, form, place, strip, finish and cure site concrete complete as defined below.
  - a. Sidewalks
  - b. Sidewalk Access Ramp with Tactile Warning Pattern
  - c. Curb and Gutter
  - d. Concrete Paving
  - e. Vehicular Pavement & Associated Reinforcing

# **INVITATION TO BID**

- f. Planter and Site Walls
  - g. Light Pole Bases
  - h. Stairs
  - i. Planter and Site walls
  - j. Supply and install of removable bollards
  - k. Supply and Install of Anti-Skateboard devices as shown
5. Subcontractor shall furnish and install all reinforcing steel and mesh required for completion of their work, including couplers and necessary accessories.
  6. Subcontractor shall design-build the utility tunnel connection per AC301 on the north end of the site. Scope to include structural engineering of tunnel concrete structure and all related structural concrete scope of work. Excavation, waterproofing, demolition, etc, is excluded.
  7. Subcontractor shall set all rebar templates and anchor bolts. Anchor bolts will be supplied by Others.
  8. Subcontractor shall install all embedded items shown and/or required to complete the work. Embedded items, installation drawings and coordination of same shall be supplied by others. Subcontractor shall make reasonable assumptions when estimating quantities and locations of embeds that need to be installed when the drawings don't specifically provide this information.
  9. Subcontractor shall be responsible for all site and planter walls, as shown, complete with furnish and install of reinforcing bars, chamfer, and reveals. Subcontractor shall construct all required mock-ups to demonstrate compliance to Contract Documents, including architectural finish, for Owner and Architect approval prior to construction of site walls.
  10. Subcontractor shall include all control joints, expansion joints, score joints, and construction joints, including all materials associated with said details.
  11. Subcontractor shall perform all saw-cutting, and furnish and install expansion board and sealants required due to its operations.
  12. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
  13. Subcontractor shall provide reinforcing steel that meets both the recycled content and regional material requirements of this project.
  14. Subcontractor shall provide all hoisting necessary to offload and stage its work. All labor and materials for rigging, pumping and hoisting of materials shall be the responsibility of Subcontractor.
  15. Subcontractor shall clean-up and remove from the jobsite all trash and debris which has accumulated or accumulates as a result of its operations. Scope of work to include removal of concrete spoils. Subcontractor to establish and maintain a specific concrete wash out location including providing and removing Eco-Pans or similar.

# **INVITATION TO BID**

16. Maintaining and cleaning of streets for operations covered under this subcontract, is included in this Bid package.
17. Subcontractor shall provide protection and/or repair, if damaged by Subcontractor's operations, to any and all existing improvements, utilities, and/or appurtenances.
18. Subcontractor shall provide sufficient materials, equipment and manpower to meet the project schedule. This may require additional forming material, the costs of which are included in the Subcontract.
19. Subcontractor shall furnish and place all dowels required, including drill and epoxy scope of work at new and adjacent existing structures.
20. Subcontractor shall recognize that the adjacent buildings are fully occupied and shall coordinate all noise producing and vibration causing activities with the CM/GC. This work will need to be performed in line with University parameters.
21. Subcontractor shall coordinate and work with earthwork and waterproofing subcontractor to design and install a complete watertight assembly at basement walls. Work shall include one-siding walls as needed, installing form-work / ties integral with shoring system, and pouring against waterproofing and drainage mat assemblies.
22. Subcontractor shall stub out rebar as shown for other scopes of work including site walls, light pole bases, CMU, etc.
23. Subcontractor shall provide adequate measures to ensure proper curing of floor slabs including, but not limited to all weather protection, water curing, membrane curing, etc.
24. Scope of work to specifically include a continuous water cure by means of fog spray or saturated absorptive cover as defined in the specifications. Flooding only allowed when practical.
25. Subcontractor shall protect and/or clean all adjacent surfaces and embedded items as required.
26. Subcontractor shall provide architectural formed concrete where specified. Subcontractor shall be responsible for all sacking, patching and sandblasting as required to conform to architects requirements for exposed architectural grade concrete, in accordance with the specifications. Subcontractor shall use a concrete mix design that is adequate to achieve a high level finish that meets the expectations of the Architect and CM/GC.
27. Subcontractor shall provide mix designs for concrete materials within the parameters of the specifications, including but not limited to, specialty concrete mix designs at polished concrete areas. Subcontractor shall also take greater care in the forming, shoring, finishing and protection of such areas.
28. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
29. Grind smooth concrete ridges where the offset in concrete exceeds allowable tolerances within one week after forms have been stripped.
30. Subcontractor shall include forming and pouring of all sloped floors, trenches, recesses, curbs and pads as shown.

# **INVITATION TO BID**

31. Include forming of all slab and wall penetrations shown on the architectural, structural, mechanical, plumbing, fire protection, and electrical drawings.
32. Forming of all slab edges, construction joints, etc. that are not indicated as metal on the contract documents.
33. Immediately following pouring and curing of concrete slabs, Subcontractor shall install and maintain floor protection system including breathable fabric membrane and 3/4" plywood at all polished concrete surfaces.
34. All reinforcing steel is to be furnished and installed as shown on the architectural, civil, landscaping and structural drawings and specification. This includes, but may not be limited to, footings, slab on grade, slab-on-metal deck, columns, walls, curbs, etc.
35. Include any welding of reinforcing steel required by the Contract Documents. This subcontractor must supply his own power source for any required welding, (if required).
36. Patching of form tie holes, removal of fins, ridges, honey combs, sacking and patching, etc. is included in this Bid Package.
37. Subcontractor shall provide and install under slab vapor barrier as specified in the Contract Documents.
38. Subcontractor shall be responsible to protect and repair as required the integrity of the vapor barrier and/or waterproofing at the SOG prior to pour.
39. Subcontractor to include fine-grading and remedial work at building pad and footings as necessary to prepare subgrade for concrete scope of work.
40. Subcontractor shall provide dimensioned scaled shop drawings for all forming and shoring required for this project, including footings, walls, SOG, and deck complete with forming details, lifts, reinforcement, embeds, pipe penetrations, etc. Shop drawings for concrete formwork and shoring shall be stamped by an Oregon Registered Structural Engineer. Shoring and re-shoring systems shall conform to ACI 347R-88 and all drawings and specifications. This shall not alleviate the Subcontractor from meeting the CM/GC schedule for concrete pours.
41. Scope of work to include low VOC concrete sealer with initial application applied immediately after installation and second coat applied immediately prior to owner move-in where required per Polished Concrete Specification 03 35 43.
42. Subcontractor shall provide all temporary safety requirements to perform the work, including any barricades at all excavations, flag persons and means necessary required to meet City of Eugene and other regulatory agency requirements. The Subcontractor shall determine requirements of city standards.
43. Subcontractor shall provide a bar chart schedule showing work activity durations in conformance with the Contract construction schedule.
44. Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the CM/GC.
45. One (1) offset control line in each direction and one (1) elevation benchmarks on each floor will be provided by Contractor for Subcontractor's use. Subcontractor shall perform all other layout required for its work.

# **INVITATION TO BID**

46. All work under this Subcontract shall be phased in accordance with the Project Construction Schedules and Site Logistics Plans. Work progress will not necessarily be in the most efficient manner for the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor. Subcontractor shall carefully examine the Lease Crutcher Lewis, LLC Site Logistics and Phasing Plans and Master Schedules as outlined in Exhibits "F" & "G" respectively of the Invitation to Bid.
47. All Dewatering associated with Concrete work is included by Subcontractor. Work shall conform to standards of the City of Eugene and DEQ or other jurisdictional authority.
48. Subcontractor shall coordinate with work indicated for other trades and existing construction to ensure adequate clearances for Subcontractor's work.
49. Subcontractor shall coordinate installation of concrete work with mechanical, electrical and utility subcontractors and the Architect to avoid conflicts, interference's and provide required clearances, from other utilities.
50. Subcontractor shall form all concrete surfaces; earth forming is not acceptable.
51. Subcontractor shall comply with all relevant LEED requirements. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles to the maximum extent economically feasible in the performance of this Contract.
52. Subcontractor shall implement an Indoor Air Quality management plan. Scopes of work that may be affected are cutting, grinding, patching, and curing and sealing of concrete. In general, controlling indoor air quality consists of controlling airborne contaminants including dust and odors that may affect the health or well being of workers or building occupants.
53. Subcontractor shall provide all construction and control joints as indicated in the contract documents and/or as directed by CM/GC. Control joints shall be assumed to be required at a minimum of 15 feet on center, each direction at a depth of ¼ the slab thickness unless otherwise noted. Exact locations to be determined during the shop drawings process and as directed in the field by Architect and General Contractor.
54. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
55. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent. All subcontractor employees are required to attend jobsite specific safety orientation prior to starting work.

## **SCHEDULE AND MANPOWER GUARANTEE:**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

# **INVITATION TO BID**

## **Exclusions:**

- a. Testing, inspections and permits. (Subcontractor to provide testing of concrete mix designs for approval and retesting if low strength breaks occur.)

## **B. ALTERNATES (reference spec section 01 2300 and drawings for further descriptions).**

The following prices shall apply throughout the duration of the project and, at the sole discretion of the Contractor, be incorporated into the Subcontract by future change order. Pricing should cover all costs associated with completing the alternate for your scope of work, including but not limited to, labor, labor burden, materials, equipment, sub-subcontracts, fuel, maintenance and repairs, estimating, supervision, administrative costs, insurance, taxes, overhead and profit.

**Alternate No. 1 – Casework. This is a deductive alternate (modifies description in Section 01.23.00 1.05A). Base bid should reflect what is shown in drawings. If owner chooses to decrease casework scope, team will modify scope to decrease casework by approximately 1/3.**

**Alternate No. 2 – Reception Desk. Base bid assumes no Reception Desk. Alternate price is to add the cost to supply and install reception desk shown in AC150/AC803 (please price detailed drawing of “L” shaped desk on AC803, not curved desk shown on AC150.)**

**Alternate No. 3 – Green Wall. Base bid assumes standard fencing. Alternate price is to add the cost of green wall.**

**Alternate No. 4 – Sliding Door. Base bid assumes just a cased opening at this location (no sliding door). Alternate price is to add the cost of the sliding door complete.**

**Alternate No. 5 – Roller Shades. Base bid assumes all roller shades are by others. Alternate price is to add roller shades as shown.**

**Alternate No. 6 – Wood Ceiling. Base bid assumes no wood ceilings. Alternate pricing is to add wood ceilings as shown.**

**Alternate No. 8 – Enlargement of wood shop door opening. There is no scope required for the base bid (door opening remains per existing). Alternate price is the added cost to provide an enlarged opening.**

**Alternate No. 9 – Craft Center Outdoor Cover. Base Bid reflects the current drawings. Alternate price includes adding structure/roofing for an enlarged covered area.**

## **C. UNIT PRICES: NA**

END OF SECTION



# **INVITATION TO BID**

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## **Bid Package #1.04**

### **“Below Grade Waterproofing”**

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data/engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Below Grade Waterproofing** work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- A. Specification Section Div 1 entitled General Requirements
- B. Specification Section 07 14 00 entitled Fluid-Applied Waterproofing

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. Subcontractor shall provide a complete, permanent, water-tight envelope for utility tunnel extension (AC 301).
2. Subcontractor shall patch/repair/replace waterproofing at connection to existing structures where exposed during this project.
3. Base scope of work is to provide a complete waterproofing assembly that provides a contiguous, waterproof envelope that will serve as a barrier to the passage of liquid water under pressure.
4. Subcontractor shall warrant system for a period of 5 years after Date of Substantial Completion. This warranty shall cover labor, material and equipment to access, fix and restore any waterproofing deficiency found. This is in excess of what is specified in the contract documents, but will be required for this project. This is in addition to the 20 year manufacturer's warranty.
5. Subcontractor shall provide their own hoisting and access.
6. Prevent deterioration of adjacent materials due to installation work, cover surfaces with tape or other approved means of protection recommended by manufacturer.
7. Subcontractor shall furnish and install drainage mats and protection board as required in the Contract Documents.

# **INVITATION TO BID**

8. Subcontractor shall provide sheet membrane and fluid waterproofing assemblies complete including but not limited to sheet water proofing, fluid applied water proofing, mastic, liquid flashing, termination bars, accessories, drainage mats, protection boards, etc.
9. Subcontractor shall provide continuous granular bentonite tube at intersection of walls and footings.
10. Subcontractor is responsible for waterproofing of all subgrade penetrations, including, but not limited to, pipes, structure, wire, bar, etc. Subcontractor shall coordinate installation of waterproofing work with mechanical, electrical and concrete subcontractors to avoid conflicts, interference's and provide required clearances for a complete watertight assembly.
11. Subcontractor shall coordinate and perform all quality control measures required by the contract documents and the manufacturer's recommendations, including but not limited to, pre-installation conferences, manufacturer's field quality control agent, flood testing, watertesting, etc.
12. Subcontractor shall provide all temporary safety requirements to perform its work, including any barricades at all excavations, flag persons and whatever is required to meet City of Eugene and other regulatory agency requirements. The Subcontractor shall determine requirements of City standards.
13. All work under this Subcontract shall be phased in accordance with the Project Construction Schedules and Site Logistics Plans. Work progress will not necessarily be in the most efficient manner for the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor. Subcontractor shall carefully examine the Lease Crutcher Lewis, LLC Site Logistics and Phasing Plans and Master Schedules as outlined in Exhibits "F" & "G" respectively of the Invitation to Bid.
14. Subcontractor shall coordinate with work indicated for other trades and existing construction to ensure adequate clearances for Subcontractor's work.
15. The Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
16. Subcontractor shall comply with all LEED requirements as applicable for this scope of work. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
17. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
18. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent.

## **SCHEDULE AND MANPOWER GUARANTEE:**

# **INVITATION TO BID**

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Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

**EXCLUSIONS: N/A**

**B. ALTERNATES N/A.**

**C. UNIT PRICES: N/A**

END OF SECTION

# **INVITATION TO BID**

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## **Bid Package #1.05**

### **“Structural / Miscellaneous Steel Fabrication and Erection”**

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Structural Steel Framing, Metal Fabrications, Metal Stairs, Steel Decking, Trench Covers and Misc Metals** work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- |  |   |
|--|---|
| A. Specification Section <u>Div 1</u>    | entitled <u>General Requirements</u>        |
| B. Specification Section <u>01 33 16</u> | entitled <u>Delegated Design Procedures</u> |
| C. Specification Section <u>05 05 13</u> | entitled <u>Shop Applied Metal Coating</u>  |
| D. Specification Section <u>05 12 00</u> | entitled <u>Structural Steel Framing</u>    |
| E. Specification Section <u>05 31 00</u> | entitled <u>Steel Decking</u>               |
| F. Specification Section <u>05 40 00</u> | entitled <u>Cold-Formed Metal Framing</u>   |
| G. Specification Section <u>05 50 00</u> | entitled <u>Metal Fabrications</u>          |
| H. Specification Section <u>05 54 19</u> | entitled <u>Trench Covers</u>               |

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. Subcontractor shall be responsible for referencing all drawings, including but not limited to Civil, Landscape, Architectural, Mechanical, Plumbing, Electrical, and Structural drawings for locations and details regarding metal fabrications scope of work.
2. Qualification Requirements
  - a. BONDING CAPACITY – Subcontractor shall provide performance and payment bond for the full value of this project. *Provide in writing the name, address and phone number of bonding surety and agent.*
  - b. FIRM EXPERIENCE – Provide in writing a minimum of 3 of your firm’s successful projects in the last 3 years and a minimum of 5 years of experience with this system. The projects are to be of similar construction type, size, cost, and complexity. For these

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- projects, include initial subcontract amount, total change order amount, description of project, and duration of project. Include General Contractor and Owner contact names and phone numbers as references.
- c. PROJECT TEAM EXPERIENCE – Provide names and resumes of proposed personnel for the project. At a minimum, include project manager, field foreman(s), and detailer. Team members must have experience with projects of similar construction type, size, cost, and complexity. Include owner, general contractor and engineer / architect references with each resume.
3. Subcontractor shall detail, furnish, fabricate, and install all metal fabrications as shown and/or specified and as further indicated in the Contract Documents, including, but not limited to, the following: (Reference to specific details does not limit Subcontractor's scope, only provides clarifications. Metal fabrication scope of work typically implies all non-gauge metals complete with respective embeds and/or attachment system components.)
- a) Ships ladder and guardrail at tunnel entrance per AC301.
  - b) Fencing, wire mesh and solid enclosure panels at outdoor craft center per AC502.1
  - c) Wall Opening Closure Frames per AC700
  - d) Exterior Gate with perforated metal panels per AC701
  - e) Site guardrails per LC002 and LC003
4. Subcontractor shall furnish and install all structural and metal fabrications shown in the structural drawings including, but not limited to, stairs, ladders, gratings, beams, columns, channel, decking, angle, etc.
5. Subcontractor shall furnish and install metal decking complete. Where concrete slab is required, subcontractor shall furnish and install welded studs, opening/penetration reinforcing, closure steel and gauge angle, bent plate, metal deck components, sealing of penetrations, accessories, etc. required for a pourable deck installation as shown and/or specified and as further indicated in the Contract Documents.
6. Furnish all Steel embedded items in concrete, (installation of embeds by others)
7. Furnish and install all anchor bolts and fasteners for complete installation of structural steel and/or metal fabrications. (Installation of cast-in-place embedded anchors by others) Subcontractor shall furnish and install all drill and epoxy expansion anchors.
8. Subcontractor to include all fasteners, shims, bolts, grouting at columns, etc for complete installation of all structural steel and misc. items.
9. Subcontractor shall furnish and install all miscellaneous steel curtain wall anchor support complete including associated brackets/clips/fasteners, etc., including HSS shades
10. Subcontractor shall provide all steel preparation, including sandblasting, priming, shop painting, field touch-up painting and galvanizing indicated by the Contract Documents. All steel materials and fasteners which will be exposed to exterior weather shall be primed or galvanized following fabrication as directed by Contractor whether or not specifically indicated by the Contract Documents.

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11. Subcontractor shall supply and install all steel shown on the Structural, Architectural, Landscape and Civil drawings. When not specifically sized, Subcontractor shall make a reasonable assumption of material thickness.
12. All steel material shall be free of corrosion, rust or oils that would prevent specified finishes from proper adhesion to the steel surface.
13. Provide four (4) nail holes for each concrete embed. Provide 3/16" diameter hole at each corner, or diameter as specified.
14. Subcontractor shall comply with all applicable safety regulations. Subcontractor shall prepare and submit to the Contractor's job-site Superintendent the required fall protection and other site-specific safety work plans prior to beginning work. Subcontractor shall strictly enforce fall protection program. Work includes installation and maintenance of temporary safety cable at building perimeter on each level and protection of all openings.
15. Includes all rigging, temporary bracing, guying and other erection aids (including removal of same); all hoisting; all temporary access to the various levels; all fire protection equipment as required by the authority having jurisdiction; all cutting and welding equipment and associated permits; protection for workers below; all pneumatic equipment including air compressors; all dry shacks and dry secure storage as required.
16. Subcontractor shall coordinate the work of this Subcontract with that of other trades and specifically adjoining trades including metal frame assemblies, structural steel, concrete, and masonry structures, and window wall systems.
17. Subcontractor shall comply with all design-build requirements as required for applicable scopes of work, including but not limited to, submitting wet stamped-engineered drawings to the City of Eugene, procuring a permit for all deferred submittals as indicated in the Contract Documents, meeting the requirements of the authority having jurisdiction, etc.
18. Subcontractor shall provide all power cords and accessories required for all welding operations. Temporary power will be made available at the perimeter of the project by the general contractor, but all power distribution required for this scope of work shall be by Subcontractor.
19. Provide durations for; shop drawings, submittal review, fabrication and delivery F.O.B. jobsite, for all major material deliveries.
20. Erection of structural steel and metal fabrications shall include, but not be limited to, receiving, unloading, rigging, hoisting, scaffolding, distribution, erection, aligning, bolting and welding all steel members shown on the contract drawings for a complete job.
21. Installation of handrails / guardrails includes but is not limited to layout, coredrilling, bracing, grouting, etc.
22. Subcontractor shall provide protection and/or repair, if damaged by Subcontractor's operations, to any and all existing improvements, utilities, and/or appurtenances.
23. Includes field measuring prior to final fabrication.
24. It is mandatory that all coordination drawings and detail drawings be done on C.A.D.D. Subcontractor shall provide these services for drawing submittals, erection drawings, etc.
25. Subcontractor shall coordinate and cooperate with inspection agencies and meet requirements of the authorities having jurisdiction.

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26. Subcontractor shall be responsible for any venting required, due to using gas welding machines.
27. Contractor will provide one (1) offset control line in each direction and one (1) elevation benchmarks on each floor for the Subcontractor's use. Subcontractor shall perform all other layout required for its work.
28. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
29. Subcontractor shall coordinate their work with other trades as necessary.
30. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent.
31. Subcontractor shall clean-up and remove from the jobsite all trash and debris which has accumulated or accumulates as a result of its operations.
32. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
33. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials. All labor and materials for rigging, pumping, and hoisting of materials shall be the responsibility of the Subcontractor. Subcontractor shall provide traffic control and flagging necessary to complete its operations, including all loading and unloading of materials.
34. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED Certification. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
35. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits "C") and Site Logistics Plan (Exhibit "D"). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.
36. The Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the Contractor.

## **SCHEDULE AND MANPOWER GAURANTEE**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

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## **EXCLUSIONS:**

1. Enclosure at southwest corner of project is part of future phase. (SC150 and SC151)

## **B. ALTERNATES (reference spec section 01 2300 and drawings for further descriptions).**

The following prices shall apply throughout the duration of the project and, at the sole discretion of the Contractor, be incorporated into the Subcontract by future change order. Pricing should cover all costs associated with completing the alternate for your scope of work, including but not limited to, labor, labor burden, materials, equipment, sub-subcontracts, fuel, maintenance and repairs, estimating, supervision, administrative costs, insurance, taxes, overhead and profit.

**Alternate No. 1 – Casework. This is a deductive alternate (modifies description in Section 01.23.00 1.05A). Base bid should reflect what is shown in drawings. If owner chooses to decrease casework scope, team will modify scope to decrease casework by approximately 1/3.**

**Alternate No. 2 – Reception Desk. Base bid assumes no Reception Desk. Alternate price is to add the cost to supply and install reception desk shown in AC150/AC803 (please price detailed drawing of “L” shaped desk on AC803, not curved desk shown on AC150.)**

**Alternate No. 3 – Green Wall. Base bid assumes standard fencing. Alternate price is to add the cost of green wall.**

**Alternate No. 4 – Sliding Door. Base bid assumes just a cased opening at this location (no sliding door). Alternate price is to add the cost of the sliding door complete.**

**Alternate No. 5 – Roller Shades. Base bid assumes all roller shades are by others. Alternate price is to add roller shades as shown.**

**Alternate No. 6 – Wood Ceiling. Base bid assumes no wood ceilings. Alternate pricing is to add wood ceilings as shown.**

**Alternate No. 8 – Enlargement of wood shop door opening. There is no scope required for the base bid (door opening remains per existing). Alternate price is the added cost to provide an enlarged opening.**

**Alternate No. 9 – Craft Center Outdoor Cover. Base Bid reflects the current drawings. Alternate price includes adding structure/roofing for an enlarged covered area.**

END OF SECTION



# **INVITATION TO BID**

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## **Bid Package #1.06**

### **“Doors and Frames – Furnish Only”**

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide ***Doors and Frames – Furnish only*** complete in strict accordance with the Contract Documents, including but not limited to, the following:

- A. Specification Section Div 1 entitled General Requirements
- B. Specification Section 08 11 13 entitled Hollow Metal Doors and Frames
- C. Specification Section 08 71 00 entitled Door Hardware (Related Section)

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. Furnish of hollow metal doors and frames and relite frames complete.
2. All corrective action required for hollow metal prep to conform to hardware requirements shall be the responsibility of the supplier.
3. Subcontractor shall include supply of sliding doors (030GB – door type D) at Painting 030F.
4. Coordination of hollow metal frame depth with wall schedule shall be the responsibility of this purchase order.
5. Coordination of hardware and requirements for machining and templates shall be the responsibility of this supplier.
6. All doors requiring fire resistance rating shall be properly labeled according to specifications.
7. All doors shall be completely machine prepped, undercut and prefinished ready for installation. Supplier shall coordinate with CM/GC and other subcontractors to determine the required undercut of doors.
8. Provide glazing stops, fasteners, and beads for installation by others. Glass will be supplied and installed by others.
9. Doors and Frames shall be shop primed, galvanized or finished in accordance with the Contract Documents. Provide chlorinated copolymer primer on the interior of frames scheduled to be grouted.

# **INVITATION TO BID**

10. Supplier shall provide doors and frames in compliance with all smoke, draft, sound, fire, and thermal requirements shown on both the floor plans and door & frame schedule.
11. Hollow metal frames shall be submitted on an expedited submittal schedule to ensure installation of the same in accordance with the exterior and interior wall systems schedule. Supplier shall clarify submittal and delivery time frame with their bids.
12. Doors and frames to include hardware reinforcement and all clips and anchors required for proper installation of complete assembly.
13. Supplier shall assume financial liability for hardware preparations on doors and frames with the final draft of the hardware schedule which incorporates all clarifications, corrections, changes and substitutions. Supplier shall be responsible for complete coordination of hardware with hollow metal frames and doors.
14. Construction keying and final keying will be performed by Owner and should be excluded from this scope.
15. Supplier shall include labor associated with delivering and stocking doors into one central location in the building determined by CM/GC.
16. Freight damage/shortage: Upon receipt of materials, Contractor will inspect all items. Any shortages and/or damages should be noted on the delivery tag and the tag should be faxed to the supplier within 48 hours.
17. Doors/frames to be labeled and shipped in multiple shipments by areas to be indicated by Contractor.
18. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED Certification. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
19. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits "C") and Site Logistics Plan (Exhibit "D"). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.
20. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.

## **EXCLUDES:**

1. Installation of doors and frames.

## **SCHEDULE AND MANPOWER GAURANTEE**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

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## **B. ALTERNATES (reference spec section 01 23 00 and drawings for further descriptions).**

The following prices shall apply throughout the duration of the project and, at the sole discretion of the Contractor, be incorporated into the Subcontract by future change order. Pricing should cover all costs associated with completing the alternate for your scope of work, including but not limited to, labor, labor burden, materials, equipment, sub-subcontracts, fuel, maintenance and repairs, estimating, supervision, administrative costs, insurance, taxes, overhead and profit.

**Alternate No. 1 – Casework. This is a deductive alternate (modifies description in Section 01.23.00 1.05A). Base bid should reflect what is shown in drawings. If owner chooses to decrease casework scope, team will modify scope to decrease casework by approximately 1/3.**

**Alternate No. 2 – Reception Desk. Base bid assumes no Reception Desk. Alternate price is to add the cost to supply and install reception desk shown in AC150/AC803 (please price detailed drawing of “L” shaped desk on AC803, not curved desk shown on AC150.)**

**Alternate No. 3 – Green Wall. Base bid assumes standard fencing. Alternate price is to add the cost of green wall.**

**Alternate No. 4 – Sliding Door. Base bid assumes just a cased opening at this location (no sliding door). Alternate price is to add the cost of the sliding door complete.**

**Alternate No. 5 – Roller Shades. Base bid assumes all roller shades are by others. Alternate price is to add roller shades as shown.**

**Alternate No. 6 – Wood Ceiling. Base bid assumes no wood ceilings. Alternate pricing is to add wood ceilings as shown.**

**Alternate No. 8 – Enlargement of wood shop door opening. There is no scope required for the base bid (door opening remains per existing). Alternate price is the added cost to provide an enlarged opening.**

**Alternate No. 9 – Craft Center Outdoor Cover. Base Bid reflects the current drawings. Alternate price includes adding structure/roofing for an enlarged covered area.**

**Alternate No. 8 – Delete Acoustic Wall Panel (AP-1) at north, east and south walls in Offices (Rm 20).**

**Alternate No. 9 – Delete Freestanding “Fish Room Work Tables” detailed on A7.7 and located on Basement Floor Plan A2.5 within Room 16A and 16B.**

## **C. UNIT PRICES: NA**

END OF SECTION

# **INVITATION TO BID**

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## **Bid Package #1.07**

### **“Door and Hardware - Install Only”**

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uomubids@gmail.com](mailto:uomubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Door and Hardware – Install Only** complete in strict accordance with the Contract Documents, including but not limited to, the following:

- A. Specification Section Div 1 entitled General Requirements
- B. Specification Section 08 11 13 entitled Hollow Metal Doors and Frames
- C. Specification Section 08-14-16 entitled Flush Wood Doors
- D. Specification Section 08-71-00 entitled Door Hardware

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. Installations of hollow metal doors, sliding pocket doors, wood doors, and finish hardware (Including electro-mechanical hardware) complete in accordance with the Contract Documents (all hardware will be provided by Owner).
2. Subcontractor shall be responsible for material handling, storage and complete coordination of doors, frames and finish hardware in accordance with the Contract Documents.
3. Subcontractor shall be responsible for distributing doors throughout building from one central building location determined by CM/GC.
4. This subcontract shall include undercutting of doors as required for floor coverings as specified.
5. Freight damage/shortage: Upon receipt of materials subcontractor will inspect all items. Any shortages and/or damages should be noted on the delivery tag and the tag should be faxed to the supplier within 48 hours.
6. Grouting and installation of hollow metal frames is specifically excluded in this package.
7. Subcontractor shall coordinate, receive, hoist, handle, sort and stock material in hardware storage room (Material will be supplied by others to the jobsite construction trailers). Furnishing of hardware storage room organization shelving shall be included within this subcontract.

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8. Construction keying and final keying will be performed by Owner and should be excluded from this scope.
9. Bids shall include coordination with electrical work for voltage requirements on magnetic hold open devices. Subcontractor to include installation of magnetic hold open devices on door leaf.
10. Subcontractor shall provide protection and/or repair, if damaged by Subcontractor's operations, to any and all existing improvements, utilities and/or appurtenances.
11. Subcontractor shall anticipate providing its own specific layout and elevation control. Contractor will provide one control line in each direction and one elevation benchmark.
12. Subcontractor shall coordinate with work indicated for other trades and existing construction to ensure adequate clearances for Subcontractor's work.
13. Subcontractor shall inspect the areas to receive its work and notify the Contractor in writing, prior to starting work, of any conditions that may adversely affect its work. Commencement of work constitutes acceptance of the job conditions.
14. Subcontractor is responsible for all offloading, handling, hoisting, and lifting required to receive doors and stock building.
15. The Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the CM/GC.
16. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. As required to perform this scope of work, Subcontractor shall provide the complete fall protection system, including but not limited to railings, tie-off points, cable, fall arrest, harnesses, spotters, etc. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent
17. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
18. Contractor will provide one (1) offset control line in each direction and one (1) elevation benchmarks on each floor for the Subcontractor's use. Subcontractor shall perform all other layout required for its work.
19. Subcontractor shall clean up and remove from the jobsite all trash and debris, which has accumulated or accumulates as a result of its operations.
20. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials. All labor and materials for rigging, pumping and hoisting of materials shall be the responsibility of the Subcontractor. Subcontractor shall provide traffic control and flagging necessary to complete its operations, including all loading and unloading of materials.
21. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED Certification. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.

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22. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits “C”) and Site Logistics Plan (Exhibit “D”). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.

## **SCHEDULE AND MANPOWER GAURANTEE**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

### **B. ALTERNATES (reference spec section 01 23 00 and drawings for further descriptions).**

The following prices shall apply throughout the duration of the project and, at the sole discretion of the Contractor, be incorporated into the Subcontract by future change order. Pricing should cover all costs associated with completing the alternate for your scope of work, including but not limited to, labor, labor burden, materials, equipment, sub-subcontracts, fuel, maintenance and repairs, estimating, supervision, administrative costs, insurance, taxes, overhead and profit.

**Alternate No. 1 – Casework.** This is a deductive alternate (modifies description in Section 01.23.00 1.05A). Base bid should reflect what is shown in drawings. If owner chooses to decrease casework scope, team will modify scope to decrease casework by approximately 1/3.

**Alternate No. 2 – Reception Desk.** Base bid assumes no Reception Desk. Alternate price is to add the cost to supply and install reception desk shown in AC150/AC803 (please price detailed drawing of “L” shaped desk on AC803, not curved desk shown on AC150.)

**Alternate No. 3 – Green Wall.** Base bid assumes standard fencing. Alternate price is to add the cost of green wall.

**Alternate No. 4 – Sliding Door.** Base bid assumes just a cased opening at this location (no sliding door). Alternate price is to add the cost of the sliding door complete.

**Alternate No. 5 – Roller Shades.** Base bid assumes all roller shades are by others. Alternate price is to add roller shades as shown.

**Alternate No. 6 – Wood Ceiling.** Base bid assumes no wood ceilings. Alternate pricing is to add wood ceilings as shown.

**Alternate No. 8 – Enlargement of wood shop door opening.** There is no scope required for the base bid (door opening remains per existing). Alternate price is the added cost to provide an enlarged opening.

**Alternate No. 9 – Craft Center Outdoor Cover.** Base Bid reflects the current drawings. Alternate price includes adding structure/roofing for an enlarged covered area.

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**Alternate No. 9 – Delete Freestanding “Fish Room Work Tables” detailed on A7.7 and located on Basement Floor Plan A2.5 within Room 16A and 16B.**

**C. UNIT PRICES: NA**

END OF SECTION

# **INVITATION TO BID**

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## **Bid Package #1.08** ***“OVERHEAD DOORS”***

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data/engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Overhead Door** work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- A. Specification Section Div 1 entitled General Requirements
- B. Specification Section 08-33-23 entitled Overhead Doors
- C. Specification Section Div 26 entitled Electrical (Related Section)

### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

#### **A. Subcontractor shall include, but not be limited to, the following:**

1. Subcontractor shall include all counterbalances, tracks, channels, hoods, safety strips, resilient seals, miscellaneous angles, clips, anchors, blocking, joint sealants, fasteners, associated accessories, etc. required for a complete and operational system.
2. Subcontractor shall include all control devices as shown and or specified in the Contract Documents including but not limited to; motors, control devices, brakes, integration into building controls, etc.
3. Subcontractor shall furnish and install overhead doors as shown and as further indicated in the Contract Documents.
4. Subcontractor shall be responsible for all drawings, including but not limited to Architectural, Structural, and Electrical for locations and details regarding this scope of work.
5. Subcontractor shall be responsible for all coordination and interfacing with other subcontractors as required to ensure work of other trades is installed to meet requirements of the overhead doors.
6. Subcontractor shall coordinate installation with electrical and controls subcontractors to assure a fully operations system. Doors shall be capable of being operated via access card system, building control system, as well as monitored/controlled by the security system.
7. Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the CM/GC.



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8. Contractor will provide one (1) offset control line in each direction and one (1) elevation benchmarks on each floor for the Subcontractor's use. Subcontractor shall perform all other layout required for its work.
9. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
10. All work under this subcontract shall be phased in accordance with the respective Preliminary Construction Schedules (Exhibits "F") and Site Logistics Plan (Exhibit "G"). Work progress will not necessarily be in the most efficient manner for the Subcontractor. Subcontractor shall provide assistance in assembling the schedule in the best interest of the Owner and Contractor.
11. Subcontractor shall comply with State of Oregon University System requirements for sustainability, whereas new construction is required to meet LEED Silver Equivalency. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
12. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
13. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials.
14. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent.

## **SCHEDULE AND MANPOWER GUARANTEE:**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

**B. ALTERNATES: N/A**

**C. UNIT PRICES: N/A**

END OF SECTION

# **INVITATION TO BID**

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## **Bid Package #1.9**

### **“Aluminum Storefront / Glass and Glazing”**

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Aluminum-Framed Curtain Wall and Glazing** scope of work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- |  |  |
|--|--|
| A. Specification Section <u>Div 1</u>    | entitled <u>General Requirements</u>                     |
| B. Specification Section <u>01 33 16</u> | entitled <u>Delegated Design Procedures</u>              |
| C. Specification Section <u>08 43 13</u> | entitled <u>Aluminum-Framed Curtain Wall</u>             |
| D. Specification Section <u>08 80 00</u> | entitled <u>Glazing</u>                                  |
| E. Specification Section <u>07 62 00</u> | entitled <u>Sheet Metal Flashings (Related Sections)</u> |
| F. Specification Section <u>07 90 05</u> | entitled <u>Joint Sealers (Related Sections)</u>         |
| G. Specification Section <u>08 71 00</u> | entitled <u>Door Hardware (Related Sections)</u>         |

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. The aluminum curtain wall system and associated glass & glazing shall be complete weather tight assemblies including but not limited to all flashings, closures, weeps, gaskets and sealants to adjacent surfaces. Specifically includes all sill flashings.
2. Subcontractor shall make all necessary provisions to accommodate movement and expansion due to seismic, wind, thermal, etc. both within the glazing system itself and to all adjacent surfaces.
3. All aluminum storefront doors shall be complete with all hardware preparation, hardware installation (Supply by others), weather stripping, sweeps, thresholds, etc.
4. Subcontractor shall provide mock-ups as specified and/or as further directed by the Architect and Contractor.
5. Subcontractor shall furnish and install interior storefront system complete with storefront doors.

# **INVITATION TO BID**

6. All systems shall be complete with all required preparatory work to accommodate installation of security and access control devices and wiring. Subcontractor shall assist the contractor with coordination of the security and access control subcontractor for preparatory requirements and the schedule installation of devices and wiring that maybe required to be installed concurrently with the installation of the window and storefront systems.
7. Final cleaning is excluded, however, all shipping protection, labels, markings, etc. shall be removed by Subcontractor and all materials shall cleaned sufficiently by Subcontractor to permit visual inspection prior to acceptance.
8. All systems provided under this Subcontract shall include all structural bracing, framing, struts, connections, etc. as required to support and brace the various systems against all design loading. These supports and bracing shall be installed complete by Subcontractor including all welded and bolted connections.
9. Where the structural support of the various systems requires connections to cast-in-place and precast concrete, Subcontractor shall design the concrete embedded connectors and shall furnish erection layout drawings for the installation of the embeds. Embed design and layout drawings shall be coordinated with Contractor.
10. Subcontractor shall Include furnishing and installing all fire safing and fire and smoke stopping as required to seal the systems to adjacent fire rated structure. The design, materials and installation of this fire and smoke stopping shall be a UL tested and approved assembly.
11. Subcontractor shall provide project glazing complete, including but not limited to Float glass, Heat-treated glass, Laminated glass, Insulated glass, Fire-rated glass, Tempered glass, Spandrel glass, Colored Glass, Acid Etched, Ecoresin, Mirrors, etc. Each glass type shall meet the requirements defined by the Contract Documents. Subcontractor to include all glazing channels and associated components required for glazing installation.
12. Subcontractor shall assist Contractor with coordinating the work of other trades to firmly capture the flashing and waterproof membrane systems in the aluminum extrusion and to accurately align this condition.
13. Sealant and backer rod at all window and storefront conditions as required for a complete watertight system, whether specifically shown or not. Subcontractor shall include interior and exterior caulking of aluminum to finished surfaces for a complete installation.
14. Subcontractor shall supply and install interior glass assemblies including, but not limited to, door relites, HM relites, sliding doors, etc.
15. Installation of interior glass including caulking, glazing channel, trim kits, is specifically included. Subcontractor shall touch-up / fill / repair all wood frames and trim kits for a final architectural appearance.
16. Subcontract shall provide all required shims, fasteners blocking/backing and accessories for a complete installation.
17. Subcontractor shall provide protection and/or repair, if damaged by Subcontractor's operations, to any and all existing improvements, utilities, and/or appurtenances.
18. Subcontractor shall field measure and verify all openings prior to fabrication of glazing.

# **INVITATION TO BID**

19. Subcontractor shall coordinate with work indicated for other trades and existing construction to ensure adequate clearances for Subcontractor's work.
20. Provide durations for; shop drawings, submittal review, fabrication and delivery F.O.B. jobsite, for all major material deliveries. (Attach with bid form submission).
21. Subcontractor shall use all precautions necessary to avoid damage of hollow metal frames and gypsum wall systems to prevent paint touch-ups at a later date. Damage of walls and frames due to Subcontractor's installation operation shall be repaired at the expense of this subcontractor.
22. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. As required to perform this scope of work, Subcontractor shall provide the complete fall protection system, including but not limited to railings, tie-off points, cable, fall arrest, harnesses, spotters, etc. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent
23. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
24. Contractor will provide one (1) offset control line in each direction and one (1) elevation benchmarks on each floor for the Subcontractor's use. Subcontractor shall perform all other layout required for its work.
25. Subcontractor shall clean up and remove from the jobsite all trash and debris, which has accumulated or accumulates as a result of its operations.
26. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
27. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials. All labor and materials for rigging, pumping and hoisting of materials shall be the responsibility of the Subcontractor. Subcontractor shall provide traffic control and flagging necessary to complete its operations, including all loading and unloading of materials.
28. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED Certification. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
29. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits "C") and Site Logistics Plan (Exhibit "D"). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.
30. The Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the Contractor.

## **EXCLUDES:**

# **INVITATION TO BID**

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a. N/A

## **SCHEDULE AND MANPOWER GAURANTEE**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

## **B. ALTERNATES (reference spec section 01 23 00 and drawings for further descriptions).**

The following prices shall apply throughout the duration of the project and, at the sole discretion of the Contractor, be incorporated into the Subcontract by future change order. Pricing should cover all costs associated with completing the alternate for your scope of work, including but not limited to, labor, labor burden, materials, equipment, sub-subcontracts, fuel, maintenance and repairs, estimating, supervision, administrative costs, insurance, taxes, overhead and profit.

**Alternate No. 1** – Casework. This is a deductive alternate (modifies description in Section 01.23.00 1.05A). Base bid should reflect what is shown in drawings. If owner chooses to decrease casework scope, team will modify scope to decrease casework by approximately 1/3.

**Alternate No. 2** – Reception Desk. Base bid assumes no Reception Desk. Alternate price is to add the cost to supply and install reception desk shown in AC150/AC803 (please price detailed drawing of “L” shaped desk on AC803, not curved desk shown on AC150.)

**Alternate No. 3** – Green Wall. Base bid assumes standard fencing. Alternate price is to add the cost of green wall.

**Alternate No. 4** – Sliding Door. Base bid assumes just a cased opening at this location (no sliding door). Alternate price is to add the cost of the sliding door complete.

**Alternate No. 5** – Roller Shades. Base bid assumes all roller shades are by others. Alternate price is to add roller shades as shown.

**Alternate No. 6** – Wood Ceiling. Base bid assumes no wood ceilings. Alternate pricing is to add wood ceilings as shown.

**Alternate No. 8** – Enlargement of wood shop door opening. There is no scope required for the base bid (door opening remains per existing). Alternate price is the added cost to provide an enlarged opening.

**Alternate No. 9** – Craft Center Outdoor Cover. Base Bid reflects the current drawings. Alternate price includes adding structure/roofing for an enlarged covered area.

# **INVITATION TO BID**

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## **C. UNIT PRICES: NA**

END OF SECTION

# **INVITATION TO BID**

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## **Bid Package #1.10**

### **“Sheet Metal Flashing and Louvers”**

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Sheet Metal Flashings, Metal Wall Panels and Louvers** work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- |  |  |
|--|--|
| A. Specification Section <u>Div 1</u>    | entitled <u>General Requirements</u>               |
| B. Specification Section <u>01 33 16</u> | entitled <u>Delegated Design Procedures</u>        |
| C. Specification Section <u>07 42 13</u> | entitled <u>Metal Wall Panels</u>                  |
| D. Specification Section <u>07 62 00</u> | entitled <u>Sheet Metal Flashing and Trim</u>      |
| E. Specification Section <u>07 90 05</u> | entitled <u>Joint Sealers (Related Section)</u>    |
| F. Specification Section <u>08 91 00</u> | entitled <u>Louvers</u>                            |
| G. Specification Section <u>07 25 00</u> | entitled <u>Weather Barriers (Related Section)</u> |

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. Subcontractor shall furnish and install sheet metal items, including but not limited to flashings, counterflashings, gutters, downspouts, vents, etc. as shown and/or specified and as further indicated in the Contract Documents.
2. Subcontractor shall field measure and verify all work prior to fabrication.
3. Subcontractor shall provide durations for; shop drawings, submittal review, and fabrication and delivery F.O.B. jobsite, for all major material deliveries at the time of bid.
4. Subcontractor shall match color of all materials including, but not limited to, flashings, metal panels, metal roofing, gutters, downspouts etc., as specified in the Contract Documents.
5. Flashings shall be constructed and installed in a manner to guarantee a sealed condition and connection to any and all adjacent materials, including but not limited to all clips, counter flashings, fasteners, hems, gaskets, tape, backer rod, sealants, mastic, welding, soldering, caulk and associated accessories for a complete system.

# **INVITATION TO BID**

6. Subcontractor shall coordinate with other trades including, but not limited to Membrane Roofing, Joint Sealants, etc. to provide a complete watertight system.
7. Subcontractor shall furnish and install all flashings and sheet metal work complete including but not limited to masonry through-wall flashing, coping, sill flashing, counter flashing, rake flashing, drip flashings, counter flashing, fascia, scuppers, gutter, gutter straps, down spouts, joint sealants, sealant tape, fasteners, rivets, hold-down clips, and all associated accessories for a complete installation.
8. Subcontractor shall include backer rod and joint sealers located in contact and integral with sheet metal, gutters, etc.
9. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
10. Subcontractor shall provide computer generated shop drawings that show connections to adjacent work for coordination purposes.
11. Subcontractor shall coordinate their work with other trades as necessary.
12. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent.
13. Subcontractor shall clean-up and remove from the jobsite all trash and debris which has accumulated or accumulates as a result of its operations.
14. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
15. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials. All labor and materials for rigging, pumping, and hoisting of materials shall be the responsibility of the Subcontractor. Subcontractor shall provide traffic control and flagging necessary to complete its operations, including all loading and unloading of materials.
16. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED Certification. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
17. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits "C") and Site Logistics Plan (Exhibit "D"). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.
18. The Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the Contractor.



# **INVITATION TO BID**

## **SCHEDULE AND MANPOWER GAURANTEE**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

### **B. ALTERNATES (reference spec section 01 23 00 and drawings for further descriptions).**

The following prices shall apply throughout the duration of the project and, at the sole discretion of the Contractor, be incorporated into the Subcontract by future change order. Pricing should cover all costs associated with completing the alternate for your scope of work, including but not limited to, labor, labor burden, materials, equipment, sub-subcontracts, fuel, maintenance and repairs, estimating, supervision, administrative costs, insurance, taxes, overhead and profit.

**Alternate No. 1 – Casework.** This is a deductive alternate (modifies description in Section 01.23.00 1.05A). Base bid should reflect what is shown in drawings. If owner chooses to decrease casework scope, team will modify scope to decrease casework by approximately 1/3.

**Alternate No. 2 – Reception Desk.** Base bid assumes no Reception Desk. Alternate price is to add the cost to supply and install reception desk shown in AC150/AC803 (please price detailed drawing of “L” shaped desk on AC803, not curved desk shown on AC150.)

**Alternate No. 3 – Green Wall.** Base bid assumes standard fencing. Alternate price is to add the cost of green wall.

**Alternate No. 4 – Sliding Door.** Base bid assumes just a cased opening at this location (no sliding door). Alternate price is to add the cost of the sliding door complete.

**Alternate No. 5 – Roller Shades.** Base bid assumes all roller shades are by others. Alternate price is to add roller shades as shown.

**Alternate No. 6 – Wood Ceiling.** Base bid assumes no wood ceilings. Alternate pricing is to add wood ceilings as shown.

**Alternate No. 8 – Enlargement of wood shop door opening.** There is no scope required for the base bid (door opening remains per existing). Alternate price is the added cost to provide an enlarged opening.

**Alternate No. 9 – Craft Center Outdoor Cover.** Base Bid reflects the current drawings. Alternate price includes adding structure/roofing for an enlarged covered area.

### **C. UNIT PRICES: NA**

END OF SECTION

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## Bid Package #1.11

### “Roofing”

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Roofing** scope of work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- A. Specification Section Div 1 entitled General Requirements
- B. Specification Section 07-54-00 entitled Thermoplastic Membrane Roofing
- C. Specification Section 07-62-00 entitled Sheet Metal Flashings and Trim (Related Sections)
- D. Specification Section 07-90-00 entitled Joint Sealers (Related Sections)

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. Subcontractor shall be a NRCA member, licensed by membrane manufacturer, and have not less than ten years successful experience with roofing system installations similar to that required.
2. Qualification Requirements
  - a. BONDING CAPACITY – Subcontractor shall provide performance and payment bond for the full value of this project. *Provide in writing the name, address and phone number of bonding surety and agent.*
  - b. FIRM EXPERIENCE – Provide in writing a minimum of 3 of your firm’s successful projects in the last 3 years. The projects are to be of similar construction type, size, cost, and complexity. For these projects, include initial subcontract amount, total change order amount, description of project, and duration of project. Include General Contractor and Owner contact names and phone numbers as references.
  - c. PROJECT TEAM EXPERIENCE – Provide names and resumes of proposed personnel for the project. At a minimum, include project manager, field foreman(s), and detailer. Team members must have experience with projects of similar construction type, size, cost, and complexity. Include owner, general contractor and engineer / architect references with each resume.

# **INVITATION TO BID**

3. Prevent deterioration of adjacent materials due to installation work, cover surfaces with tape or other approved means of protection recommended by manufacturer.
4. Subcontractor shall furnish and install deck insulation, tapered insulation, protection board, and isolation board as indicated in the Contract Documents for a complete installation
5. Subcontractor shall provide complete roofing systems including but not limited to thermoplastic roofing, membrane flashings, rigid flashings, sheet underlayment, fasteners, etc.
6. Subcontractor shall provide submittals, samples, shop drawings and mock-ups as specified in the contract documents.
7. Provide roof traffic pad walkways and splash blocks as indicated and specified.
8. Subcontractor shall coordinate with the mechanical subcontractor to properly seal into the deck drains, including furnishing and installing pans, flashings, term bars, sealants, flexible flashings, etc.
9. Subcontractor shall furnish and install pipe and vent flashings for penetrations through the membrane roofing. Subcontractor shall furnish and install flashings for designed structural penetrations ie. roof tie-offs, handrails, ladders, etc.
10. Subcontractor shall supply and install all sheet metal flashings that are in contact or integral to the roofing system. This shall include but not be limited to wall flashings, counter flashings, adjacent flexible flashings, coping caps complete, parapet caps complete, roof edge flashing, and all associated clips, fasteners, gaskets, sealants, etc. for a complete system.
11. Contractor will provide one (1) offset control line in each direction and one (1) elevation benchmarks on each floor for the Subcontractor's use. Subcontractor shall perform all other layout required for its work.
12. Provide all roof cants per contract documents and manufacturers recommendations.
13. Subcontractor shall be responsible to create a complete waterproof termination into all adjacent materials including, but not limited to, flashings, metal wall panels, movement joints, and pipe penetrations.
14. Joint sealants as required for complete watertight system.
15. All crickets as required for complete drained roof membrane with no visible ponding. Reference slope tolerances on plans and specifications.
16. Mechanical and adhesive fastener systems shall be in strict accordance with the specifications.
17. Subcontractor shall protect their materials from the weather during the installation process. Any materials that are damaged or become wet during the installation process will be replaced by Subcontractor.
18. Provide all tube & angled cants, termination bars, compressible tube, and seams per Contract Documents and manufacturer's recommendations.
19. Subcontractor shall provide protection and/or repair, if damaged by Subcontractor's operations, to any and all existing improvements, utilities, and/or appurtenances.
20. Provide durations for; shop drawings, submittal review, fabrication and delivery F.O.B. jobsite, for all major material deliveries.
21. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for

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- eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent.
22. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
  23. Contractor will provide one (1) offset control line in each direction and one (1) elevation benchmarks on each floor for the Subcontractor's use. Subcontractor shall perform all other layout required for its work.
  24. Subcontractor shall clean up and remove from the jobsite all trash and debris, which has accumulated or accumulates as a result of its operations.
  25. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
  26. Subcontractor shall coordinate their work with other trades as necessary.
  27. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials. All labor and materials for rigging, pumping and hoisting of materials shall be the responsibility of the Subcontractor. Subcontractor shall provide traffic control and flagging necessary to complete its operations, including all loading and unloading of materials.
  28. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED silver rating. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
  29. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits "C") and Site Logistics Plan (Exhibit "D"). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.
  30. The Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the Contractor.

## SCHEDULE AND MANPOWER GAURANTEE

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

- B. ALTERNATES** (reference spec section 01-23-00 and drawings for further descriptions). The following prices shall apply throughout the duration of the project and, at the sole discretion of the Contractor, be incorporated into the Subcontract by future change order. Pricing should cover all costs associated with completing the alternate for your scope of work, including but not limited to, labor, labor burden, materials, equipment, sub-subcontracts, fuel, maintenance and repairs, estimating, supervision, administrative costs, insurance, taxes, overhead and profit.

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**Alternate No. 1** – Casework. This is a deductive alternate (modifies description in Section 01.23.00 1.05A). Base bid should reflect what is shown in drawings. If owner chooses to decrease casework scope, team will modify scope to decrease casework by approximately 1/3.

**Alternate No. 2** – Reception Desk. Base bid assumes no Reception Desk. Alternate price is to add the cost to supply and install reception desk shown in AC150/AC803 (please price detailed drawing of “L” shaped desk on AC803, not curved desk shown on AC150.)

**Alternate No. 3** – Green Wall. Base bid assumes standard fencing. Alternate price is to add the cost of green wall.

**Alternate No. 4** – Sliding Door. Base bid assumes just a cased opening at this location (no sliding door). Alternate price is to add the cost of the sliding door complete.

**Alternate No. 5** – Roller Shades. Base bid assumes all roller shades are by others. Alternate price is to add roller shades as shown.

**Alternate No. 6** – Wood Ceiling. Base bid assumes no wood ceilings. Alternate pricing is to add wood ceilings as shown.

**Alternate No. 8** – Enlargement of wood shop door opening. There is no scope required for the base bid (door opening remains per existing). Alternate price is the added cost to provide an enlarged opening.

**Alternate No. 9** – Craft Center Outdoor Cover. Base Bid reflects the current drawings. Alternate price includes adding structure/roofing for an enlarged covered area.

## **C. UNIT PRICES: NA**

END OF SECTION

# **INVITATION TO BID**

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## **Bid Package #1.12**

### **“Metal Stud Framing / Drywall / Insulation / ACT”**

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide ***Metal Framing, Drywall, Acoustical Ceilings, Insulation, Fireproofing & Firestopping*** complete in strict accordance with the Contract Documents, including but not limited to, the following:

- |  |   |
|--|---|
| A. Specification Section <u>Div 1</u>    | entitled <u>General Requirements</u>                |
| B. Specification Section <u>01 33 16</u> | entitled <u>Delegated Design Procedures</u>         |
| C. Specification Section <u>05 40 00</u> | entitled <u>Cold-Formed Metal Framing</u>           |
| D. Specification Section <u>05 40 10</u> | entitled <u>Cold-Formed Furring Assemblies</u>      |
| E. Specification Section <u>06 16 53</u> | entitled <u>Moisture Resistant Gypsum Sheathing</u> |
| F. Specification Section <u>07 21 00</u> | entitled <u>Thermal Insulation</u>                  |
| G. Specification Section <u>07 81 00</u> | entitled <u>Applied Fireproofing</u>                |
| H. Specification Section <u>07 81 23</u> | entitled <u>Intumescent Mastic Fireproofing</u>     |
| I. Specification Section <u>07-84 00</u> | entitled <u>Firestopping</u>                        |
| J. Specification Section <u>07 90 05</u> | entitled <u>Joint Sealers</u>                       |
| K. Specification Section <u>08 31 00</u> | entitled <u>Access Doors and Panels</u>             |
| L. Specification Section <u>09 21 16</u> | entitled <u>Gypsum Board Assemblies</u>             |
| M. Specification Section <u>09 51 00</u> | entitled <u>Acoustical Ceilings</u>                 |

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. Qualification Requirements
  - a. BONDING CAPACITY – Subcontractor shall provide performance and payment bond for the full value of this project. *Provide in writing the name, address and phone number of bonding surety and agent.*

# **INVITATION TO BID**

- b. **FIRM EXPERIENCE** – Provide in writing a minimum of 3 of your firm’s successful projects in the last 3 years. The projects are to be of similar construction type, size, cost, and complexity. For these projects, include initial subcontract amount, total change order amount, description of project, and duration of project. Include General Contractor and Owner contact names and phone numbers as references.
  - c. **PROJECT TEAM EXPERIENCE** – Provide names and resumes of proposed personnel for the project. At a minimum, include project manager, field foreman(s), and detailer. Team members must have experience with projects of similar construction type, size, cost, and complexity. Include owner, general contractor and engineer / architect references with each resume.
2. Subcontractor shall supply and install a complete Drywall Finish System as shown in the project plans and specs.
3. Subcontractor shall provide all scaffold, ladders and elevated work platforms necessary to complete the Subcontractor’s work. All scaffolding shall have full handrails, plank and toe boards at every working level per applicable safety regulations.
4. All waste generated from Subcontractor’s operations is to be removed from the job-site and properly disposed of by Subcontractor. Subcontractor is required to recycle all waste per spec section 01 74 19. This specifically includes all GWB debris. Subcontractor shall specifically include dumpsters and recycle bins to remove said debris.
5. All necessary fastening and accessories to provide a complete insulation system including but not limited to stick pins, foil tape and other miscellaneous accessories. Subcontractor shall provide protection to prevent moisture from damaging the insulation during jobsite storage and/or erection.
6. Subcontractor shall provide a complete thermal insulation envelope and water and vapor barrier for all exterior building surfaces whether or not completely described by the Documents. Scope of thermal insulation to include, but not be limited to, all batt, acoustical, rigid, spray applied, etc. complete with accessories as required.
7. Subcontractor to coordinate directly with all other subcontractors and the General Contractor to allow access and inspections of concealed spaces and wall and ceiling cavities.
8. Subcontractor shall provide fire-rated partition assemblies complete including but not limited to all fire-safing and fire-rated sealants. Subcontractor shall coordinate work with other trades to provide complete fire-rated assemblies where penetrated by other trades. Subcontractor shall frame around penetrating work as required and shall fit to work of other trades which is installed prior to or during installation of subcontractors work.
9. Subcontractor shall provide and apply all fireproofing, including spray applied and Intumescent Paint. Subcontractor shall properly mask and protect all adjacent surfaces. As part of this package, subcontractor shall provide weather protection and cleanup as required to meet the contract schedule. Include, but not limited to scope shown at outdoor craft center as well as on AC401.
10. Subcontractor shall provide and install all expansion joint assemblies complete.
11. Subcontractors shop drawings shall clearly show all stud gauges, spacing, attachments, bracing and general construction standards for light gauge and heavy gauge metal framing systems. Subcontractor shall provide engineered drawings where required.

# **INVITATION TO BID**

12. Subcontractor shall supply and install all access doors shown on the drawings.
13. Includes all metal backing / wood backing / metal strap in wall cavities for casework and wall hung furnishings & equipment per contract documents and as directed by Contractor.
14. Subcontractor shall install all interior and exterior Hollow Metal door and relite frames furnished by others – in ALL locations. Installation shall include all anchors, attachments and/or bolts required for proper installation of frames.
15. Subcontractor shall supply and install all specialty trim that attaches to Subcontractors framing or GWB, including soffit vents as may be required. Subcontractor specifically includes premanufactured reveals and reglets as indicated in the Contract Documents.
16. Soffit and Ceiling systems shall be as constructed as specified in the Contract Documents. Subcontractor shall provide anchorage, bracing and other details for a completely engineered system, meeting all code & seismic requirements.
17. Shaft wall systems shall include all duct and conduit enclosures indicated on the Contract Documents (including architectural, structural, mechanical and electrical), and shaft walls at building separations and area separations, for the specified fire-rated assembly.
18. Subcontract includes abuse-resistant gypsum wall board as specified and shown on contract documents.
19. Subcontractor shall supply and install mold/water resistant gypsum at all conditions exposed to outside air including, but not limited to, shafts, areaways, etc. whether or not specifically addressed in the Contract Documents.
20. Subcontractor shall provide drywall expansion joints, reveals, etc as indicated on the contract documents or/and at a minimum those recommend by the manufacturer at all wall and ceilings.
21. Subcontractor shall include acoustical ceiling systems complete. Seismic bracing of acoustical grid shall conform to current IBC code requirements. Subcontractor shall provide all concrete inserts, hanger wires, seismic struts and hanger clips required for installation of work under this subcontract.
22. Subcontractor shall include safety wires for light fixtures and grid mounted ceiling components.
23. At Contractors direction, Subcontractor shall leave out installation of intermediate acoustical grid members leaving a 4x4 opening in grid to accommodate work performed by other trades. Intermediate grids shall be installed when ceilings are ready for tile.
24. Furnish Owner stock in compliance with specification sections. Extra stock shall be delivered with an inventory, following substantial completion, and stocked at a campus location as directed by the project superintendent.
25. Subcontractor shall clean and touch-up exposed edge conditions of ceiling tile which are cut to scribe using manufacturers recommended methods.
26. Subcontractor shall replace at no charge to Owner or Contractor, ceiling system components which are damaged or discolored during normal construction sequences. (excessive trade damage to ceilings will be back charged to subcontractors who damaged the work).



# **INVITATION TO BID**

27. Ceiling Tile installation may occur over finished flooring. Subcontractor shall exercise due care of work of other trades and shall provide daily clean-up of work areas. Subcontractor shall be responsible for its damage to work performed by other trades.
28. Subcontractor shall assume some acoustical ceiling tile will be left out of each room until final mechanical balancing is completed. Final ceiling tile installation, upon final completion, is included in this scope.
29. Subcontractor shall note that throughout the building, ceilings are constructed as clouds and do not attach to the perimeter of the room. All ceiling wires and support systems shall be constructed in a manner as to not be visible from below. Furthermore, walls will be exposed up to deck and need to be finished as such.
30. Subcontractor shall include all acoustical and aesthetic sealants integral with drywall in accordance with the Contract Documents. Reference wall sections and acoustical consultant specification details. Wall to Ceiling, wall to frames, frames to ceilings, etc. joints are specifically included in this scope.
31. Subcontractor shall furnish and install water-resistant GWB at all toilet room walls and at walls with and adjacent to all plumbing fixtures, unless where specified for Tile Wall Backer Board.
32. Subcontractor shall be responsible for all layout and elevation control of Subcontractors' work, including but not limited to; walls, ceilings, soffits, column wraps and exterior closure systems. Contractor will provide one control line in each direction and one elevation benchmark.
33. This Subcontract shall include all framing and drywall enclosure systems as required for complete installation of mechanical fire damper and smoke damper conditions. This work will be closely coordinated with the mechanical subcontractor for opening blockouts and offsets. Reference mechanical documents for proposed locations of fire dampers and smoke fire dampers. Subcontractor shall interface with mechanical contractor to ensure fully operational system which meets UL requirements.
34. Subcontractor shall provide all necessary task lighting to complete this scope of work.
35. Subcontractor shall provide caulking at all terminations including but not limited to doors, frames and windows.
36. Subcontractor shall provide protection and/or repair, if damaged by Subcontractor's operations, to any and all existing improvements, utilities, and/or appurtenances.
37. Subcontractor shall coordinate with work indicated for other trades and existing construction to ensure adequate clearances for Subcontractor's work.
38. Provide durations for; shop drawings, submittal review, fabrication and delivery F.O.B. jobsite, for all major material deliveries.
39. Subcontractor shall use all precautions necessary to avoid damage of hollow metal frames and gypsum wall systems to prevent paint touch-ups at a later date. Damage of walls and frames due to Subcontractor's installation operation shall be repaired at the expense of this subcontractor.
40. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for

# **INVITATION TO BID**

eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. As required to perform this scope of work, Subcontractor shall provide the complete fall protection system, including but not limited to railings, tie-off points, cable, fall arrest, harnesses, spotters, etc. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent

41. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
42. Contractor will provide one (1) offset control line in each direction and one (1) elevation benchmarks on each floor for the Subcontractor's use. Subcontractor shall perform all other layout required for its work.
43. Subcontractor shall clean up and remove from the jobsite all trash and debris, which has accumulated or accumulates as a result of its operations.
44. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
45. Subcontractor shall coordinate their work with other trades as necessary.
46. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials. All labor and materials for rigging, pumping and hoisting of materials shall be the responsibility of the Subcontractor. Subcontractor shall provide traffic control and flagging necessary to complete its operations, including all loading and unloading of materials.
47. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED Certification. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
48. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits "C") and Site Logistics Plan (Exhibit "D"). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.
49. The Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the Contractor.

## **SCHEDULE AND MANPOWER GAURANTEE**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

## **B. ALTERNATES (reference spec section 01 23 00 and drawings for further descriptions).**

The following prices shall apply throughout the duration of the project and, at the sole discretion of the Contractor, be incorporated into the Subcontract by future change order. Pricing should cover all costs associated with completing the alternate for your scope of work, including but not

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limited to, labor, labor burden, materials, equipment, sub-subcontracts, fuel, maintenance and repairs, estimating, supervision, administrative costs, insurance, taxes, overhead and profit.

**Alternate No. 1** – Casework. This is a deductive alternate (modifies description in Section 01.23.00 1.05A). Base bid should reflect what is shown in drawings. If owner chooses to decrease casework scope, team will modify scope to decrease casework by approximately 1/3.

**Alternate No. 2** – Reception Desk. Base bid assumes no Reception Desk. Alternate price is to add the cost to supply and install reception desk shown in AC150/AC803 (please price detailed drawing of “L” shaped desk on AC803, not curved desk shown on AC150.)

**Alternate No. 3** – Green Wall. Base bid assumes standard fencing. Alternate price is to add the cost of green wall.

**Alternate No. 4** – Sliding Door. Base bid assumes just a cased opening at this location (no sliding door). Alternate price is to add the cost of the sliding door complete.

**Alternate No. 5** – Roller Shades. Base bid assumes all roller shades are by others. Alternate price is to add roller shades as shown.

**Alternate No. 6** – Wood Ceiling. Base bid assumes no wood ceilings. Alternate pricing is to add wood ceilings as shown.

**Alternate No. 8** – Enlargement of wood shop door opening. There is no scope required for the base bid (door opening remains per existing). Alternate price is the added cost to provide an enlarged opening.

**Alternate No. 9** – Craft Center Outdoor Cover. Base Bid reflects the current drawings. Alternate price includes adding structure/roofing for an enlarged covered area.

**Alternate No. 9** – Delete Freestanding “Fish Room Work Tables” detailed on A7.7 and located on Basement Floor Plan A2.5 within Room 16A and 16B.

## **C. UNIT PRICES: NA**

END OF SECTION

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## Bid Package #1.13

### “Hardened and Polished Concrete”

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Hardened and Polished Concrete** work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- A. Specification Section Div 1 entitled General Requirements
- B. Specification Section 03 30 00 entitled Cast-in-Place Concrete (Related Section)
- C. Specification Section 03 35 16 entitled Hardened and Polished Concrete

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. Subcontractor shall include all work associated with the polished concrete as shown in the Contract Documents; including by not limited to the Architectural, Structural, Civil, Landscape, etc. and specifications.
2. Provide all tools, equipment, materials and labor required for Diamond Polish Concrete finish in areas scheduled.
3. Qualification Requirements
  - a. BONDING CAPACITY – Subcontractor shall provide performance and payment bond for the full value of this project. *Provide in writing the name, address and phone number of bonding surety and agent.*
  - b. FIRM EXPERIENCE – Provide in writing a minimum of 3 of your firm’s successful projects in the last 3 years and a minimum of 5 years of experience with this system. The projects are to be of similar construction type, size, cost, and complexity. For these projects, include initial subcontract amount, total change order amount, description of project, and duration of project. Include General Contractor and Owner contact names and phone numbers as references.

# **INVITATION TO BID**

4. Subcontractor shall perform mock-ups, as required in the contract documents, and as directed by the Architect and CMGC. For bidding purposes, Subcontractor shall assume a minimum of two mockups will be required. These mockups will be required early in the construction project, prior to mobilization for this scope, and all costs associated with this work, including multiple mobilizations, shall be covered in this contract amount.
5. Subcontractor shall provide bonded abrasive polishing of exposed new and existing concrete floors to a Class B aggregate exposure and a gloss level of 3 as indicated in the Contract Documents.
6. Subcontractor shall include concrete staining at areas indicated in the contract documents and specifications.
7. Subcontractor shall assume 3 mobilizations for this scope of work as follows: Initial Grind, final polish and touchup as required prior to owner move-in.
8. Subcontractor shall provide documentation of slip resistance of finished floor and finished stair treads as required per the contract documents.
9. Subcontractor shall include all handwork required for a complete and acceptable finish of all polished concrete surfaces. Handwork shall match work done with larger equipment. Areas that require handwork include, but are not limited to, stair treads, risers, work at doorways, around columns or walls, etc.
10. Subcontractor shall provide all power cords and accessories required for their operations. Temporary power will be made available at the perimeter of the project by the general contractor, but all power distribution required for this scope of work shall be by Subcontractor.
11. Subcontractor shall be responsible to furnish and install any and all dustproof and hardening agents, grouts, sealants and stains as indicated in the contract documents
12. Subcontractor shall provide and dispose of Eco-pans for concrete slurry generated by this scope of work.
13. Subcontractor shall anticipate providing its own specific layout and elevation control. Contractor will provide one control line in each direction and one elevation benchmark.
14. Floors are to be finished under all architectural and casework.
15. Subcontractor shall be responsible for damp moping of floors and stairs upon completion of work to accommodate Architect and Owner review of finish. Subcontractor shall anticipate additional touch-up polishing and rework until finish is accepted.
16. Subcontractor shall use all precautions necessary to avoid damage of hollow metal frames and gypsum wall systems to prevent paint touch-ups at a later date. Damage of walls and frames due to Subcontractor's installation operation shall be repaired at the expense of this subcontractor.
17. Subcontractor shall coordinate with work indicated for other trades and existing construction to ensure adequate clearances for Subcontractor's work.
18. Subcontractor shall perform preparation of the substrate including all joint filling, crack filling, and repair of holes or depressions, as required and as outlined in the Contract Documents.

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19. Subcontractor shall provide protection and/or repair, if damaged by Subcontractor's operations, to any and all existing improvements, utilities, and/or appurtenances.
20. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
21. Subcontractor shall coordinate their work with other trades as necessary.
22. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent.
23. Subcontractor shall clean-up and remove from the jobsite all trash and debris which has accumulated or accumulates as a result of its operations.
24. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
25. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials. All labor and materials for rigging, pumping, and hoisting of materials shall be the responsibility of the Subcontractor. Subcontractor shall provide traffic control and flagging necessary to complete its operations, including all loading and unloading of materials.
26. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED Certification. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
27. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits "C") and Site Logistics Plan (Exhibit "D"). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.

## **SCHEDULE AND MANPOWER GAURANTEE**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

## **B. ALTERNATES N/A**

## **C. UNIT PRICES: NA**

END OF SECTION

# **INVITATION TO BID**

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## **Bid Package #1.14**

### **“Resilient Flooring / Rubber Base”**

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Resilient Floor / Carpet / Rubber Base** work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- |  |  |
|--|--|
| A. Specification Section <u>Div 1</u>    | entitled <u>General Requirements</u>                             |
| B. Specification Section <u>03 30 00</u> | entitled <u>Cast-in-Place Concrete (Related Section)</u>         |
| C. Specification Section <u>03 35 16</u> | entitled <u>Hardened and Polished Concrete (Related Section)</u> |
| D. Specification Section <u>03 54 00</u> | entitled <u>Cast Underlayment</u>                                |
| E. Specification Section <u>09 65 00</u> | entitled <u>Resilient Flooring</u>                               |

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. Subcontractor shall include furnish and installation of Rubber Sheet Flooring complete, including but not limited to, heat welded seams, resilient base, cove base, transitions, accessories, etc. and will conform to all performance requirements as outlined in the Contract Documents.
2. This scope shall include floor finishes in the areas shown on the materials finish schedule and as further specified in the Contract Documents.
3. Subcontractor shall be responsible for protection of finished flooring including but not limited to providing and laying plastic sheeting and hard board as indicated in the contract documents.
4. Subcontractor shall be responsible for protection of finished flooring including but not limited to providing and laying plastic sheeting and hard board as indicated in the contract documents.

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5. Subcontractor shall be responsible for initial cleaning and maintenance as well as final cleaning of the flooring no more than four days prior to substantial completion of the building.
6. Subcontractor shall assure new and existing concrete subfloor meet specified and required (by manufacturer) moisture and alkalinity levels prior to installing flooring. Subcontractor is to provide pricing (unit price below) for supply and install of concrete sealant that is compatible with flooring that helps to achieve these levels.
7. Subcontractor shall include furnish and installation of all transition strips, resilient edges, etc. as required, whether or not specifically shown in the Contract Documents.
8. Subcontractor shall furnish extra stock materials in accordance with specification sections. The materials shall be delivered, handled and located in a secure room in the project as directed the project superintendent. All extra stock materials shall be properly packaged and labeled.
9. Subcontractor will perform sub-floor examination prior to commencing any work. Inspection will include bond and moisture tests to determine that substrates are sufficiently cured and dried to receive the specified finish materials. Installation of materials by subcontractor acknowledges subcontractors acceptance of the substrate.
10. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
11. Subcontractor shall perform all sub-floor preparation of the substrate including, but not limited to, filling any cracks, holes or depressions, as outlined in the Contract Documents.
12. Subcontractor to include cut outs for other trades.
13. Subcontractor shall coordinate with work indicated for other trades and existing construction to ensure adequate clearances for Subcontractor's work.
14. Subcontractor shall provide materials for Resilient Flooring and Tile Carpeting that are in strict conformance with all LEED requirements indicated in the Contract Documents.
15. Subcontractor shall coordinate their work with other trades as necessary.
16. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent.
17. Subcontractor shall clean-up and remove from the jobsite all trash and debris which has accumulated or accumulates as a result of its operations.
18. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
19. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials. All labor and materials for rigging, pumping and hoisting of materials shall be the responsibility of the Subcontractor. Subcontractor shall provide traffic control and flagging necessary to complete its operations, including all loading and unloading of materials.



# **INVITATION TO BID**

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20. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED Certification. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
21. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits "C") and Site Logistics Plan (Exhibit "D"). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.
22. The Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the Contractor.

## **SCHEDULE AND MANPOWER GAURANTEE**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

## **B. ALTERNATES N/A**

## **C. UNIT PRICES:**

- 1) Concrete Subfloor Sealant to achieve manufacturer's moisture and alkalinity levels to be priced (furnish and install) per sf (\$/SF).

END OF SECTION

# **INVITATION TO BID**

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## **Bid Package #1.15** **“Painting and Coating”**

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Painting and Coating** work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- |  |   |
|--|---|
| A. Specification Section <u>Div 1</u>    | entitled <u>General Requirements</u>                              |
| B. Specification Section <u>05 05 13</u> | entitled <u>Shop Applied Metal Coating (Related Section)</u>      |
| C. Specification Section <u>05 43 00</u> | entitled <u>Channel Framing</u>                                   |
| D. Specification Section <u>05 50 00</u> | entitled <u>Metal Fabrications (Related Section)</u>              |
| E. Specification Section <u>05 54 19</u> | entitled <u>Trench Covers (Related Section)</u>                   |
| F. Specification Section <u>07 90 05</u> | entitled <u>Joint Sealers</u>                                     |
| G. Specification Section <u>08 11 13</u> | entitled <u>Hollow Metal Doors &amp; Frames (Related Section)</u> |
| H. Specification Section <u>08 31 00</u> | entitled <u>Access Doors and Panels (Related Section)</u>         |
| I. Specification Section <u>09 21 16</u> | entitled <u>Gypsum Board Assemblies (Related Section)</u>         |
| J. Specification Section <u>09 90 00</u> | entitled <u>Painting and Coating</u>                              |
| K. Specification Section <u>09 96 00</u> | entitled <u>High-Performance Coatings</u>                         |

### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

#### **A. Subcontractor shall include, but not be limited to, the following:**

1. Subcontractor shall specifically include all scopes of work as shown and as further indicated in the Contract Documents to provide all finish coatings.
2. Qualification Requirements
  - a. BONDING CAPACITY – Subcontractor shall provide performance and payment bond for the full value of this project. *Provide in writing the name, address and phone number of bonding surety and agent.*

# **INVITATION TO BID**

- b. **FIRM EXPERIENCE** – Provide in writing a minimum of 3 of your firm’s successful projects in the last 3 years. The projects are to be of similar construction type, size, cost, and complexity. For these projects, include initial subcontract amount, total change order amount, description of project, and duration of project. Include General Contractor and Owner contact names and phone numbers as references.
3. Subcontractor shall be responsible for all drawings, including but not limited to; Architectural, Structural, Electrical, and Mechanical for location and details regarding this scope of work.
4. Subcontractor shall prepare, paint and finish all surfaces as specified in the Contract Documents, including but not limited:
  - A. Metal fabrications and exposed architectural & structural steel.
  - B. Exposed miscellaneous steel including handrails, lintels, channels, bollards, fascia, trim, etc.
  - C. All interior GWB walls, soffits, ceilings, hollow metal doors and frames.
  - D. All interior and exterior stairs and railings.
  - E. All interior and exterior wood finishes scheduled to receive coatings.
  - F. All metal decking and structural steel systems exposed to view.
  - G. Touch-up of primer on structural steel at connections.
  - H. All exposed mechanical and electrical piping, conduit, and ducting as indicated.
5. Surface preparation shall include but not be limited to, all prep work as defined in the specifications and any dusting, vacuuming, sanding, wiping, cleaning and incidental patching on surfaces to be painted and finished including exposed structural, mechanical, plumbing and electrical systems.
6. Subcontractor shall furnish extra stock materials in accordance with specification sections. The materials shall be delivered, handled and located in a secure room in the project as directed by the project superintendent. All extra stock shall be properly packaged and labeled.
7. Subcontractor shall provide all necessary task lighting to complete this scope. Contractor will provide pathway lighting and lighting required by code.
8. Subcontractor shall provide materials from one manufacturer for each paint system as specified in the contract documents.
9. Subcontractor shall supply and install paintable caulk at hollow metal frames and all casework/GWB intersections.
10. Subcontractor shall provide masking, covers, sacrificial coatings and temporary protection as required for all adjacent finish surfaces, including but not limited to walls, floors, ceilings, protection of hardware and accessories, plated and machined surfaces, lighting fixtures and similar items prior to painting adjacent surfaces.
11. Subcontractor shall paint exposed mechanical and electrical pipe/conduit as indicated in the contract documents and as directed by the Architect and Contractor. Subcontractor shall note that project contains cloud ceilings with exposed structure and MEP systems throughout the building. Subcontractor shall specifically include painting all exposed structure and MEP systems at these locations.

# **INVITATION TO BID**

12. All UL labels on equipment, doors and frames are to be masked prior to painting. Masking to be removed after finish coat is applied and completed.
13. For typical three coat wall systems the construction sequence shall be as follows:
  - a) Primer and first coat of finish paint is applied.
  - b) All case work, finish millwork trim, floor coverings, floor base, ceiling grid and tile, mechanical and electrical trim, and surface mounted equipment and accessories are installed.
  - c) Final coat of paint is applied.
  - d) Touch-up/Punchlist (Include in base contract)
14. Subcontractor shall provide a reasonable amount of material and labor for touch-up paint as required due to normal construction activity including, but not limited to, punchlist, trade damage and improper substrate.
15. In addition to the “normal” amount of paint touch up indicated above, Subcontractor shall include in base bid an allowance of \$3,000 for paint touch up as directed by the Contractor. This will be specifically tracked with daily work tickets signed by the Contractor.
16. Subcontractor shall prep and finish all hollow metal doors, frames and relite frames as specified in the Contract Documents.
17. Subcontractor shall finish grilles which are factory primed by others.
18. Subcontractor shall finish exposed structural steel, architectural steel, and ornamental steel in accordance with Contract Documents. Reference architectural, structural and landscape documents for comprehensive coverage of this work.
19. Provide primer painting/touch-up of structural steel connections after erection in accordance with related steel specifications.
20. Include painting as specified in mechanical and electrical documents.
21. Subcontractor shall use only paints and coatings that are in strict accordance with the VOC requirements listed in specification sections 09 90 00 and 09 96 00.
22. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
23. Subcontractor shall coordinate their work with other trades as necessary.
24. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent.
25. Subcontractor shall clean-up and remove from the jobsite all trash and debris which has accumulated or accumulates as a result of its operations.
26. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
27. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials. All labor and materials for rigging, pumping, and hoisting of materials shall be the

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- responsibility of the Subcontractor. Subcontractor shall provide traffic control and flagging necessary to complete its operations, including all loading and unloading of materials.
28. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED Certification. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
  29. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits "C") and Site Logistics Plan (Exhibit "D"). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.
  30. The Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the Contractor.

## **SCHEDULE AND MANPOWER GAURANTEE**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

### **B. ALTERNATES (reference spec section 01 23 00 and drawings for further descriptions).**

The following prices shall apply throughout the duration of the project and, at the sole discretion of the Contractor, be incorporated into the Subcontract by future change order. Pricing should cover all costs associated with completing the alternate for your scope of work, including but not limited to, labor, labor burden, materials, equipment, sub-subcontracts, fuel, maintenance and repairs, estimating, supervision, administrative costs, insurance, taxes, overhead and profit.

**Alternate No. 1 – Casework.** This is a deductive alternate (modifies description in Section 01.23.00 1.05A). Base bid should reflect what is shown in drawings. If owner chooses to decrease casework scope, team will modify scope to decrease casework by approximately 1/3.

**Alternate No. 2 – Reception Desk.** Base bid assumes no Reception Desk. Alternate price is to add the cost to supply and install reception desk shown in AC150/AC803 (please price detailed drawing of "L" shaped desk on AC803, not curved desk shown on AC150.)

**Alternate No. 3 – Green Wall.** Base bid assumes standard fencing. Alternate price is to add the cost of green wall.

**Alternate No. 4 – Sliding Door.** Base bid assumes just a cased opening at this location (no sliding door). Alternate price is to add the cost of the sliding door complete.

**Alternate No. 5 – Roller Shades.** Base bid assumes all roller shades are by others. Alternate price is to add roller shades as shown.

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**Alternate No. 6** – Wood Ceiling. Base bid assumes no wood ceilings. Alternate pricing is to add wood ceilings as shown.

**Alternate No. 8** – Enlargement of wood shop door opening. There is no scope required for the base bid (door opening remains per existing). Alternate price is the added cost to provide an enlarged opening.

**Alternate No. 9** – Craft Center Outdoor Cover. Base Bid reflects the current drawings. Alternate price includes adding structure/roofing for an enlarged covered area.

C. **UNIT PRICES: NA**

END OF SECTION

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## Bid Package #1.16

### “Architectural Wood Casework”

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Architectural Wood Casework** scope of work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- A. Specification Section Div 1 entitled General Requirements
- B. Specification Section 06 10 00 entitled Rough Carpentry (Related Section)
- C. Specification Section 06 15 00 entitled Wood Decking
- D. Specification Section 06 18 00 entitled Glue-Laminated Construction
- E. Specification Section 06 41 00 entitled Architectural Wood Casework

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. Qualification Requirements
  - a. BONDING CAPACITY – Subcontractor shall provide performance and payment bond for the full value of this project. *Provide in writing the name, address and phone number of bonding surety and agent.*
  - b. FIRM EXPERIENCE – Provide in writing a minimum of 3 of your firm’s successful projects in the last 3 years. The projects are to be of similar construction type, size, cost, and complexity. For these projects, include initial subcontract amount, total change order amount, description of project, and duration of project. Include General Contractor and Owner contact names and phone numbers as references.
  - c. PROJECT TEAM EXPERIENCE – Provide names and resumes of proposed personnel for the project. At a minimum, include project manager, field foreman(s), and detailer. Team members must have experience with projects of similar construction type, size, cost, and complexity. Include owner, general contractor and engineer / architect references with each resume.

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2. Subcontractor shall furnish and install all finish carpentry and architectural wood casework including wood veneer paneling, solid wood panel trim, cabinets, countertops and shelving as indicated on the architectural drawings.
3. Architectural Wood Casework includes, but is not limited to, wood and plastic laminate casework, assorted trim and associated hardware required for a complete installation.
4. Finish Carpentry shall include but not be limited to furnish and installation of wood veneer paneling, wood trim, wood benches, stationary wood tables and wood base.
5. Subcontractor shall provide all adjustable shelving referenced in the architectural drawings, complete with rails, brackets and accessories.
6. Provide durations for; shop drawings, submittal review, fabrication and delivery F.O.B. jobsite, for all major material deliveries.
7. Subcontractor shall include all scribing and caulking for complete installation of finish carpentry.
8. Subcontractor shall coordinate backing and blocking requirements with General Contractor for installation of these systems. Furnish and install of backing and blocking will be provided by others. Providing ALL anchoring, suspension and attachment will be the responsibility of Subcontractor, including counter support brackets per 10/AC802.
9. This subcontract shall include filling of all nail holes and/or screw holes complete, and final field touch-up of shop finished systems.
10. Subcontractor shall field measure and verify all as-built conditions prior to fabrication and installation.
11. Subcontractor shall use all precautions necessary to avoid damage of hollow metal frames and gypsum wall systems to prevent paint touch-ups at a later date. Damage of walls and frames due to Subcontractor's installation operation shall be repaired at the expense of this subcontract.
12. Subcontractor shall coordinate with all other associated Subcontractors for access during rough-in and finish installation as required. This coordination shall include drilling and cutting through finish materials as required for wire grommets, sinks, accessories, plumbing fixtures, etc.
13. Subcontractor shall provide shop finishing of custom casework and architectural wood work as referenced in the Contract Documents.
14. Subcontractor shall include all cutouts and removable access panels associated with scheduled mechanical and electrical installations, fixtures and equipment furnished by Others.
15. Subcontractor shall be responsible for temporary protection of casework and architectural woodwork until final acceptance by Contractor, Owner and Architect.
16. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent.
17. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.



# **INVITATION TO BID**

18. Contractor will provide one (1) offset control line in each direction and one (1) elevation benchmarks on each floor for the Subcontractor's use. Subcontractor shall perform all other layout required for its work.
19. Subcontractor shall clean up and remove from the jobsite all trash and debris, which has accumulated or accumulates as a result of its operations.
20. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
21. Subcontractor shall coordinate their work with other trades as necessary.
22. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials. All labor and materials for rigging, pumping and hoisting of materials shall be the responsibility of the Subcontractor. Subcontractor shall provide traffic control and flagging necessary to complete its operations, including all loading and unloading of materials.
23. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED Certification. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
24. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits "C") and Site Logistics Plan (Exhibit "D"). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.
25. The Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the Contractor.

## **SCHEDULE AND MANPOWER GAURANTEE**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

## **B. ALTERNATES (reference spec section 01 2300 and drawings for further descriptions).**

The following prices shall apply throughout the duration of the project and, at the sole discretion of the Contractor, be incorporated into the Subcontract by future change order. Pricing should cover all costs associated with completing the alternate for your scope of work, including but not limited to, labor, labor burden, materials, equipment, sub-subcontracts, fuel, maintenance and repairs, estimating, supervision, administrative costs, insurance, taxes, overhead and profit.

**Alternate No. 1 – Casework.** This is a deductive alternate (modifies description in Section 01.23.00 1.05A). Base bid should reflect what is shown in drawings. If owner chooses to decrease casework scope, team will modify scope to decrease casework by approximately 1/3.

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**Alternate No. 2** – Reception Desk. Base bid assumes no Reception Desk. Alternate price is to add the cost to supply and install reception desk shown in AC150/AC803 (please price detailed drawing of “L” shaped desk on AC803, not curved desk shown on AC150.)

**Alternate No. 3** – Green Wall. Base bid assumes standard fencing. Alternate price is to add the cost of green wall.

**Alternate No. 4** – Sliding Door. Base bid assumes just a cased opening at this location (no sliding door). Alternate price is to add the cost of the sliding door complete.

**Alternate No. 5** – Roller Shades. Base bid assumes all roller shades are by others. Alternate price is to add roller shades as shown.

**Alternate No. 6** – Wood Ceiling. Base bid assumes no wood ceilings. Alternate pricing is to add wood ceilings as shown.

**Alternate No. 8** – Enlargement of wood shop door opening. There is no scope required for the base bid (door opening remains per existing). Alternate price is the added cost to provide an enlarged opening.

**Alternate No. 9** – Craft Center Outdoor Cover. Base Bid reflects the current drawings. Alternate price includes adding structure/roofing for an enlarged covered area.

## **C. UNIT PRICES: NA**

END OF SECTION

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## **Bid Package #1.17**

### **“Specialties”**

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Specialties** work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- |  |   |
|--|---|
| A. Specification Section <u>Div 1</u>    | entitled <u>General Requirements</u>              |
| B. Specification Section <u>10 11 01</u> | entitled <u>Visual Display Boards</u>             |
| C. Specification Section <u>10 14 00</u> | entitled <u>Signage</u>                           |
| D. Specification Section <u>10 26 01</u> | entitled <u>Wall and Corner Guards</u>            |
| E. Specification Section <u>10 44 00</u> | entitled <u>Fire Protection Specialties</u>       |
| F. Specification Section <u>10 51 00</u> | entitled <u>Lockers</u>                           |
| G. Specification Section <u>11 27 00</u> | entitled <u>Photographic Processing Equipment</u> |
| H. Specification Section <u>11 52 13</u> | entitled <u>Projection Screens</u>                |
| I. Specification Section <u>12 24 13</u> | entitled <u>Roller Shades</u>                     |

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. Subcontractor shall be responsible for referencing all drawings, including but not limited to Civil, Landscape, Architectural, Structural and Electrical drawings for locations and details regarding miscellaneous specialties scope of work.
2. Subcontractor shall supply and install Misc. Specialties including, but not limited to the following:
  - Visual Display Boards and accessories per specification section 10-11-01.
  - Signage per specification section 10-14-00.
  - Stainless Steel Corner Guards per specification section 10-26-01.
  - Fire Protection Specialties including fire extinguishers, fire extinguisher cabinets, and accessories per specification section 10-44-00.
  - Metal lockers, tops and filler panels per specification section 10-51-00
  - Blackout curtain, track and accessories per specification section 11-27-00

# **INVITATION TO BID**

- Front Projection Screen Assemblies per specification section 11-52-13.
  - Roller Shades per specification section 12-24-13.
3. Subcontractor to provide drilling, cutting and torching through any and all materials as required for installation of this scope.
  4. Subcontractor to provide all clips, adhesives, brackets, anchors, trim, accessories, etc. including caulking for a finished product.
  5. Suppliers not able to provide installation under this Bid Package are encouraged to submit bids to furnish only F.O.B. jobsite. Suppliers shall provide descriptions of items and quantities of the same for Lease Crutcher Lewis' review and verification.
  6. Subcontractor shall coordinate with work indicated for other trades and existing construction to ensure adequate clearances for Subcontractor's work. Subcontractor to identify all required backing and bracing for their scope of work, to be installed by Others.
  7. Provide durations for; shop drawings, submittal review, fabrication and delivery for all material deliveries.
  8. Subcontractor shall use all precautions necessary to avoid damage of hollow metal frames and gypsum wall systems to prevent paint touch-ups at a later date. Damage of walls and frames due to Subcontractor's installation operation shall be repaired at the expense of this subcontractor.
  9. The Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the CM/GC.
  10. Subcontractor shall clean-up and remove from the jobsite all trash and debris which has accumulated or accumulates as a result of its operations.
  11. Subcontractor shall provide protection and/or repair, if damaged by Subcontractor's operations, to any and all existing improvements, utilities, and/or appurtenances.
  12. Contractor will provide one (1) offset control line in each direction and one (1) elevation benchmarks on each floor for the Subcontractor's use. Subcontractor shall perform all other layout required for its work.
  13. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
  14. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
  15. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials. All labor and materials for rigging, pumping, and hoisting of materials shall be the responsibility of the Subcontractor. Subcontractor shall provide traffic control and flagging necessary to complete its operations, including all loading and unloading of materials.
  16. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED Certification. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.

# **INVITATION TO BID**

17. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits “C”) and Site Logistics Plan (Exhibit “D”). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.

## **SCHEDULE AND MANPOWER GAURANTEE**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

### **B. ALTERNATES (reference spec section 01 23 00 and drawings for further descriptions).**

The following prices shall apply throughout the duration of the project and, at the sole discretion of the Contractor, be incorporated into the Subcontract by future change order. Pricing should cover all costs associated with completing the alternate for your scope of work, including but not limited to, labor, labor burden, materials, equipment, sub-subcontracts, fuel, maintenance and repairs, estimating, supervision, administrative costs, insurance, taxes, overhead and profit.

**Alternate No. 1 – Casework.** This is a deductive alternate (modifies description in Section 01.23.00 1.05A). Base bid should reflect what is shown in drawings. If owner chooses to decrease casework scope, team will modify scope to decrease casework by approximately 1/3.

**Alternate No. 2 – Reception Desk.** Base bid assumes no Reception Desk. Alternate price is to add the cost to supply and install reception desk shown in AC150/AC803 (please price detailed drawing of “L” shaped desk on AC803, not curved desk shown on AC150.)

**Alternate No. 3 – Green Wall.** Base bid assumes standard fencing. Alternate price is to add the cost of green wall.

**Alternate No. 4 – Sliding Door.** Base bid assumes just a cased opening at this location (no sliding door). Alternate price is to add the cost of the sliding door complete.

**Alternate No. 5 – Roller Shades.** Base bid assumes all roller shades are by others. Alternate price is to add roller shades as shown.

**Alternate No. 6 – Wood Ceiling.** Base bid assumes no wood ceilings. Alternate pricing is to add wood ceilings as shown.

**Alternate No. 8 – Enlargement of wood shop door opening.** There is no scope required for the base bid (door opening remains per existing). Alternate price is the added cost to provide an enlarged opening.

**Alternate No. 9 – Craft Center Outdoor Cover.** Base Bid reflects the current drawings. Alternate price includes adding structure/roofing for an enlarged covered area.

### **C. UNIT PRICES: NA**

END OF SECTION

# **INVITATION TO BID**

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## **Bid Package #1.18**

### **“Fire Protection”**

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Fire Protection** work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- A. Specification Division 1 entitled General Requirements
- B. Specification 01 33 16 entitled Delegated Design Procedures
- C. Specification Division 21 entitled Fire Suppression (Delegated Design)
- D. Specification Section Div 20,22, 23 entitled Mechanical (Related Sections)
- E. Specification Section 07 84 00 entitled Firestopping (Related Section)
- F. Specification Section 08 31 00 entitled Access Doors (Related Section)
- G. Specification Section 09 21 16 entitled Gypsum Board Assemblies (Related Section)

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. Subcontractor shall be responsible for referencing all drawings, including but not limited to Civil, Landscape, Architectural, Structural, Mechanical, Electrical, and Plumbing drawings for locations and details regarding fire suppression scope of work.
2. Qualification Requirements
  - a. BONDING CAPACITY – Subcontractor shall provide performance and payment bond for the full value of this project. *Provide in writing the name, address and phone number of bonding surety and agent.*
  - b. FIRM EXPERIENCE – Provide in writing a minimum of 3 of your firm’s successful projects in the last 3 years. The projects are to be of similar construction type, size, cost, and complexity. For these projects, include initial subcontract amount, total change order amount, description of project, and duration of project. Include General Contractor and Owner contact names and phone numbers as references.

# **INVITATION TO BID**

- c. PROJECT TEAM EXPERIENCE – Provide names and resumes of proposed personnel for the project. At a minimum, include project manager, field foreman(s), and detailer. Team members must have experience with projects of similar construction type, size, cost, and complexity. Include owner, general contractor and engineer / architect references with each resume.
3. Subcontractor shall specifically include supplying and installing a complete fire protection system as noted in the Contract Documents. Work includes but is not limited to wet sprinkler systems, water curtain systems, heat trace / insulation, and sprinkler systems.
4. Subcontractor shall detail, furnish, fabricate, and install complete and operable fire protection systems to be in accordance with the Contract Documents, NFPA, University of Oregon Standards, Local Authorities Having Jurisdiction, Building and Fire Department, and all other governing agency rules, codes and regulations.
5. Subcontract is for the construction of Fire Protection Systems that have been designed by Subcontractor. Subcontractor acknowledges that all design work shall be performed based on criteria provided by Architect and Consultants. Contractor assumes no liability for compliance of Subcontractors design with such criteria.
6. All piping or insulation located in air plenums shall meet the requirements of the authority having jurisdiction.
7. Subcontractor shall coordinate design with other trades, including but not limited to, mechanical, plumbing and electrical subcontractors and the Architectural and Structural Design to avoid conflicts, interference's and provide required clearances. For coordination of responsibilities with work of other trades, Subcontractor agrees with the terms of the attached "Trade Interface Agreement" which is Exhibit "H" to the Subcontract.
8. Subcontractor shall provide all core drilling, saw cutting, torching, etc., through any and all materials, including but not limited to concrete, steel and CMU, as required for installation of this scope of work, including penetrations not specifically indicated but required for proper coordination. Subcontractor shall include identification of structural reinforcement prior to cutting.
9. Fire Alarm is excluded from this contract except that all tamper switches, flow switches and other detection devices that apply to the installation of the fire sprinkler system is included.
10. Subcontractor shall coordinate, design and install all system components requiring interface with Electrical and with the Life Safety Subcontractors to ensure a complete and operational interface between the two systems in accordance with the Contract Documents and Governing Agency requirements. Subcontractor shall furnish devices of the approved control voltage and amperage required by the Electrical Fire Alarm system. Devices shall include contact terminals for connections by Electrical Subcontractor. Subcontractor shall be responsible for assisting and/or cooperating with the Contractor and other Subcontractors in testing the Life Safety System in order to ensure a complete and operating system as required by the Governing Agencies and/or Contract Documents.

# **INVITATION TO BID**

11. Subcontractor shall provide tagging and labeling of all valves, drains, piping, switches and controls. Includes all signage associated with Subcontractor's work, required by authority having jurisdiction.
12. Subcontractor shall comply with all design-build requirements as required for applicable scopes of work, including but not limited to, submitting wet stamped-engineered drawings to the City of Eugene, procuring a permit for all deferred submittals as indicated in the Contract Documents, meeting the requirements of the authority having jurisdiction, etc.
13. Point of connection for fire water service is shown on drawings. It is the sole responsibility of the fire protection Subcontractor to connect to the existing fire water service, including all fittings, tees, valves, etc. for a complete system.
14. Subcontractor shall coordinate the connection to the new and existing system. Work to include, when applicable, proper notification, disabling of existing fire sprinkler and/or fire alarm systems, draining of and refilling existing system as required.
15. Subcontractor is responsible to verify condition of existing system and what portions, if any, of the lateral and mainlines can be reused or incorporated into their design to provide a complete system meeting NFPA.
16. Subcontractor shall include fire sprinkler coverage at outdoor craft area meeting NFPA. Note area contains kilns and furnaces and may qualify as a higher hazard condition. Subcontractor to perform hazard analysis of this area and have system stamped by a professional engineer. All outdoor systems are to meet requirements of NFPA and University of Oregon standard for unconditioned space.
17. Includes all flushing, testing and inspections as required by jurisdiction having authority.
18. Subcontractor shall furnish and install all test and drain lines ran to above grade at the buildings' exteriors.
19. Subcontractor shall provide protection and/or repair, if damaged by Subcontractor's operations, to any and all existing improvements, utilities, and/or appurtenances.
20. Subcontract amount includes one year warranty and inspection service, beginning at final certificate of occupancy.
21. It is mandatory that all coordination drawings and detail drawings be done on C.A.D.D. Subcontractor shall provide these services for drawing submittals and record drawing as-builts.
22. Subcontractor shall furnish and install all cabinets and access doors required for Subcontractor's work.
23. Subcontractor shall coordinate with work indicated for other trades and existing construction to ensure adequate clearances for Subcontractor's work. Some conflicts may still occur at the time of piping, and relocating of equipment, etc. for coordination purposes shall be part of Subcontractor's work.
24. Contractor will provide one (1) offset control line in each direction and one (1) elevation benchmarks on each floor for the Subcontractor's use. Subcontractor shall perform all other layout required for its work.



# **INVITATION TO BID**

25. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
26. Subcontractor shall furnish and install all equipment supports, seismic design and supports, frames, bracing, hangers, embeds, sleeves, and layout required. (Sleeves in slabs shall be “flush type” to allow place and finish of concrete to occur without disruption to this operation).
27. Subcontractor shall supply and install fire safing, fire caulking, insulation and acoustical caulking for any piping penetrations through rated assemblies, as required.
28. The Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the CM/GC.
29. Subcontractor shall clean-up and remove from the jobsite all trash and debris which has accumulated or accumulates as a result of its operations.
30. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
31. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials. All labor and materials for rigging and hoisting of materials shall be the responsibility of the Subcontractor. Subcontractor shall provide traffic control and flagging necessary to complete its operations, including all loading and unloading of materials.
32. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED Certification. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available, provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.
33. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits “C”) and Site Logistics Plan (Exhibit “D”). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.

## **SCHEDULE AND MANPOWER GAURANTEE**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

### **B. ALTERNATES (reference spec section 01 23 00 and drawings for further descriptions).**

The following prices shall apply throughout the duration of the project and, at the sole discretion of the Contractor, be incorporated into the Subcontract by future change order. Pricing should cover all costs associated with completing the alternate for your scope of work, including but not limited to, labor, labor burden, materials, equipment, sub-subcontracts, fuel, maintenance and repairs, estimating, supervision, administrative costs, insurance, taxes, overhead and profit.

**Alternate No. 1 – Casework. This is a deductive alternate (modifies description in Section 01.23.00 1.05A). Base bid should reflect what is shown in drawings. If owner chooses to**

# **INVITATION TO BID**

Erb Memorial Union Craft Center  
University of Oregon  
III. Trade Specific Instructions to Bidders – Bid Package #1.18

December 23, 2013  
Lewis Project No PC13704  
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decrease casework scope, team will modify scope to decrease casework by approximately 1/3.

**Alternate No. 2** – Reception Desk. Base bid assumes no Reception Desk. Alternate price is to add the cost to supply and install reception desk shown in AC150/AC803 (please price detailed drawing of “L” shaped desk on AC803, not curved desk shown on AC150.)

**Alternate No. 3** – Green Wall. Base bid assumes standard fencing. Alternate price is to add the cost of green wall.

**Alternate No. 4** – Sliding Door. Base bid assumes just a cased opening at this location (no sliding door). Alternate price is to add the cost of the sliding door complete.

**Alternate No. 5** – Roller Shades. Base bid assumes all roller shades are by others. Alternate price is to add roller shades as shown.

**Alternate No. 6** – Wood Ceiling. Base bid assumes no wood ceilings. Alternate pricing is to add wood ceilings as shown.

**Alternate No. 8** – Enlargement of wood shop door opening. There is no scope required for the base bid (door opening remains per existing). Alternate price is the added cost to provide an enlarged opening.

**Alternate No. 9** – Craft Center Outdoor Cover. Base Bid reflects the current drawings. Alternate price includes adding structure/roofing for an enlarged covered area.

## **C. UNIT PRICES: NA**

END OF SECTION

# **INVITATION TO BID**

Erb Memorial Union Craft Center  
University of Oregon  
III. Trade Specific Instructions to Bidders – Bid Package #1.19

December 23, 2013  
Lewis Project No PC13704  
Page 1 of 3

## **Bid Package #1.19**

### **“Final Clean”**

**Bid Date/Instructions:** Bids shall be received at the offices of Lease Crutcher Lewis (CM/GC), 550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, by email at [uoemubids@gmail.com](mailto:uoemubids@gmail.com) or by facsimile to (503) 223-2874 no later than **3:30 p.m. PST, Tuesday, January 14, 2014**. Original copies of facsimile bids must be received at the above address within three (3) calendar days of date of bid.

#### **I. DESCRIPTION OF WORK:**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide **Final Clean** work complete in strict accordance with the Contract Documents, including but not limited to, the following:

- A. Specification Section Div 1 entitled General Requirements
- B. Specification Section 01 70 00 entitled Closeout Procedures
- C. Specification Section Div 2-Div 33 entitled All Sections (Related Sections)

#### **II. SUPPLEMENTAL INSTRUCTIONS/CLARIFICATIONS:**

##### **A. Subcontractor shall include, but not be limited to, the following:**

1. Subcontractor is to provide final cleaning as regulated by CM/GC and as shown and/or specified and as further indicated in the Contract Documents.
2. Subcontractor shall provide sufficient materials, equipment, and manpower to meet the project schedule.
3. Pre-Punch list cleaning of entire building including but not limited to:
  - All windows, storefront entrances and doors inside and out.
  - Clean transparent materials, including all mirrors and glass to a polished condition.
  - All restrooms (i.e. toilets, sinks, lavs, , walls, floors, etc.) Clean plumbing fixtures to a sanitary condition.
  - Complete cleaning of all rooms, corridors, offices, etc.
  - Dusting, vacuuming, and wiping of all casework, shelving, walls, floors and surfaces. All exposed surfaces should be cleaned to a level, free of dust, stains, films and similar noticeable distracting substances.
  - Wipe surfaces of mechanical and electrical equipment clean, including lights and lamps. Remove excess lubrication and other substances.
  - Cleaning, vacuuming, and mopping of all floors where required.
  - Wipe surfaces of all exposed structural steel, metal decking, piping systems, ducting systems, etc.

# **INVITATION TO BID**

4. Pre-Owner move in, touch up of entire building where necessary.
  - Dusting and wiping where necessary
  - Cleaning of corridor floors
  - Vacuuming of any high traffic areas
  - Touch up in restrooms
5. Subcontractor shall provide daily progress reports to the on-site project superintendent that include daily manpower, daily equipment, areas worked, and any hindrances to subcontractors work (if any). Failure to submit reports in a timely fashion will result in withholding of progress payments, until reports submitted
6. Subcontractor shall clean up daily and remove from the jobsite all trash and debris, which has accumulated or accumulates as a result of its operations. All trash and debris shall be disposed of in the appropriate jobsite recycling container.
7. Subcontractor shall include the cost of all mobilizations as required to meet the schedule requirements dictated by the CM/GC.
8. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
9. Subcontractor shall include the use of cleaning products that meet or exceed the requirements of Green-Seal GS-37.
10. Subcontractor shall provide their own unloading, hoisting, scaffolding, aerial reach equipment, and distributing of materials as required to complete this scope of work.
11. Subcontractor shall inspect the work area prior to the start of their work and notify the General Contractor in writing of any unacceptable conditions. Commencement of work signifies acceptance of the jobsite conditions as is.
12. Subcontractor shall coordinate their work with other trades as necessary.
13. Lease Crutcher Lewis, LLC (CM/GC) is committed to maintaining a safe work place. Subcontractors performing work with exposure to a fall shall submit their safety plan for eliminating accidents prior to commencement of work at the job site. All work shall be performed in strict accordance with Federal and State (OSHA) standards for a Safe Work Place. Safety tool box meetings shall be conducted weekly with topics and attendance for same to be submitted to the Project Superintendent.
14. Subcontractor shall clean-up and remove from the jobsite all trash and debris which has accumulated or accumulates as a result of its operations.
15. Subcontractor shall be responsible for any and all material escalation costs for the duration of the project.
16. Subcontractor shall provide their own unloading, hoisting, scaffolding and distributing of materials. All labor and materials for rigging, pumping, and hoisting of materials shall be the responsibility of the Subcontractor. Subcontractor shall provide traffic control and flagging necessary to complete its operations, including all loading and unloading of materials.
17. Subcontractor shall comply with State of Oregon University System requirements for sustainability. This project is attempting to receive a LEED Certification. Subcontractor shall provide requested documentation, recycle waste, provide recycled materials when available,

# **INVITATION TO BID**

Erb Memorial Union Craft Center  
University of Oregon  
III. Trade Specific Instructions to Bidders – Bid Package #1.19

December 23, 2013  
Lewis Project No PC13704  
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provide VOC compliant material when available and provide materials manufactured and harvested within 500 miles when available.

18. All work under this Subcontract shall be phased in accordance with the Project Construction Schedule (Exhibits "C") and Site Logistics Plan (Exhibit "D"). Work progress will not necessarily be in the most efficient manner of the Subcontractor. Subcontractor shall provide assistance in assembling the Schedule in the best interest of the Owner and Contractor.
19. The Subcontract amount includes costs of all mobilizations as required to meet the schedule requirement dictated by the Contractor.

## **SCHEDULE AND MANPOWER GAURANTEE**

Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.

**B. ALTERNATES: N/A**

**C. UNIT PRICES: N/A**

END OF SECTION

# Bid Form

Bid Package 1 – Craft Center  
Erb Memorial Union Renovation and Expansion  
University of Oregon  
Eugene, Oregon

**Bid Date/Time: Tuesday, January 14, 2014 at 3:30pm PST**

To: Lease Crutcher Lewis ("CM/GC")  
550 SW 12<sup>th</sup> Avenue  
Portland, Oregon 97205  
(503) 223-0500  
(503) 223-2874 facsimile  
uoemubids@gmail.com

From: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Phone: \_\_\_\_\_  
Contact: \_\_\_\_\_

Bids will be received until **3:30pm PST, Tuesday, January 14, 2014**  
Faxed and Email bids will be permitted

The undersigned proposes to furnish all labor, materials, equipment, services and incidentals necessary to complete the following described work:

**Bid Package # \_\_\_\_\_**

All in accordance with the Invitation to Bid issued by Lease Crutcher Lewis (CM/GC), including but not limited to the Plans and Specifications, issued by SERA Architects and as further identified in the Instructions to Bidders, all for the lump sum of:

**Base Bid: \$ \_\_\_\_\_**

Gift-in-Kind (GIK) – is strongly encouraged for this project. The value indicated will be subtracted directly from the base bid amount shown below to determine the low responsive, responsible number.

**Gift-in-Kind value <\$ \_\_\_\_\_>**

**“NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (Executive order 11246)”.**

Is Subcontractor / Vendor a MWESB Certified Subcontractor ( yes / no ):  
If yes, identify classification \_\_\_\_\_

Lease Crutcher Lewis, LLC (CM/GC) is committed to expanding economic opportunities for Minority Business Enterprises, Women Business Enterprises, and Emerging Small Businesses by offering them contracting and subcontracting opportunities available through a competitive bidding process. Subcontractors are encouraged to provide similar opportunities for their subcontractors/vendors by unbundling contracts, when appropriate, to expand contract opportunities for Minority, Women, and Emerging Small Businesses and Oregon based businesses.

Please identify what % your subcontract amount will be contracted with MWESB Subtier Subcontractors or Vendors: \_\_\_\_\_%

Lease Crutcher Lewis will not knowingly contract with or procure goods or services from any Entity that discriminates on the basis of age, disability, national origin, race, marital status, religion, sex, or sexual orientation.

**By Submitting this bid, Subcontractor certifies that they have not discriminated against Minority, Women or Emerging Small Business Enterprises in obtaining any quotes/bids.**

Bidder further agrees to perform **Alternate** and/or **Unit Price** work for the amounts indicated below:

Receipt of the following is acknowledged:

- 1. Lease Crutcher Lewis (CM/GC) **Invitation to Bid** dated 12.23.13

Proposal submitted and signed by:

Bidders Firm Name and Address:

\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

License No. \_\_\_\_\_

Signed by (printed or typed)

**A. Alternates:**

Alternate # \_\_\_\_\_ \$ \_\_\_\_\_

Alternate # \_\_\_\_\_ \$ \_\_\_\_\_

Alternate # \_\_\_\_\_ \$ \_\_\_\_\_

**B. Unit Price:**

Unit Price No. 1: ..... \$ \_\_\_\_\_ /

Unit Price No. 2: ..... \$ \_\_\_\_\_ /

Unit Price No. 3: ..... \$ \_\_\_\_\_ /

Unit Price No. 4: ..... \$ \_\_\_\_\_ /

**C. Value Engineering:**

Value Engineering ideas are strongly encouraged and recommended. Please provide any items/ideas that would be a benefit to this project. (List items on separate attachment).

## **PLANS AND SPECIFICATIONS**

Bid Package 1 – Craft Center  
Erb Memorial Union Renovation and Expansion  
University of Oregon  
Eugene, Oregon  
December 23, 2013

Plans and Specifications issued by SRG Partnership, Inc. and Subconsultants, as follows:

### **I. Drawings:**

SERA Architects: **University of Oregon, Erb Memorial Union, Craft Center  
Package 1, 20 December 2013, Sera Project Number 11045**

### **II. Specifications:**

SERA Architects: **University of Oregon, Erb Memorial Union, Craft Center  
Package 1, 20 December 2013, Sera Project Number 11045**

### **III. Invitation to Bid:**

Lease Crutcher Lewis Invitation to Bid and Supplemental Information entitled “**Erb Memorial Union Renovation and Expansion, Bid Package 1 – Craft Center, University of Oregon: Invitation to Bid and Instructions to Bidders**” dated December 23, 2013.

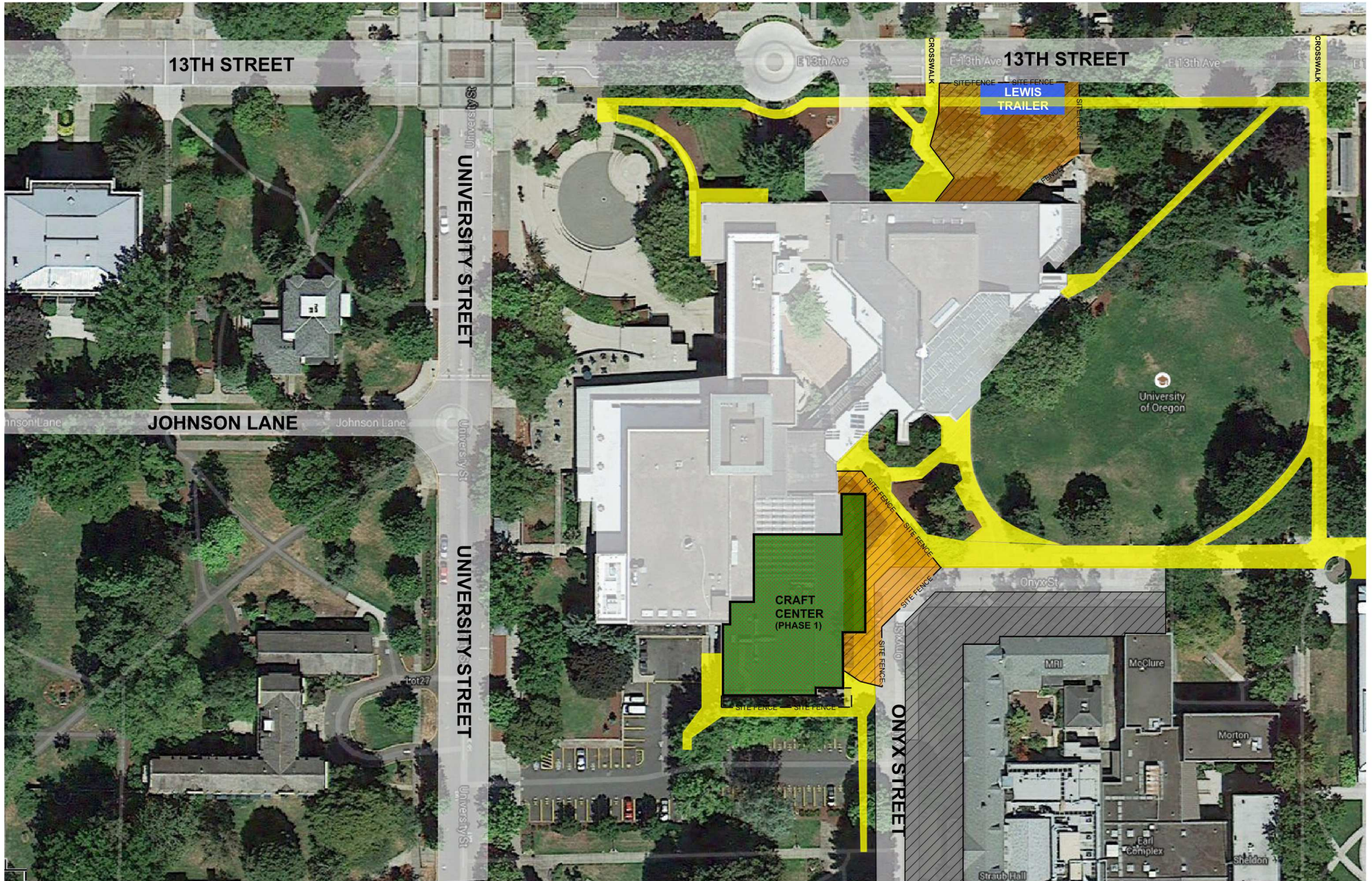








# EXHIBIT "D" CRAFT CENTER SITE LOGISTICS







9725 SW Beaverton-Hillsdale Hwy, Suite 140  
Beaverton, OR 97005-3364  
p| 503-641-3478 f| 503-644-8034

EXHIBIT "E"

August 16, 2013

5264 GEOTECHNICAL RPT  
(ISSUED 9/6/2013)

University of Oregon  
Campus Planning and Real Estate  
1276 Franklin Boulevard  
Eugene, OR 97403-1276

Attention: Martina Oxoby

**SUBJECT: Geotechnical Investigation and Site-Specific Seismic Hazard Study  
Erb Memorial Union Expansion and Renovation  
University of Oregon  
Eugene, Oregon**

At your request, GRI has completed a geotechnical investigation and site-specific hazard study for the proposed expansion and renovation of the Erb Memorial Union at the University of Oregon (U of O) campus in Eugene, Oregon. The general location of the site is shown on the Vicinity Map, Figure 1. The purpose of our investigation was to evaluate subsurface conditions at the site and develop conclusions and recommendations for site preparation, floor support, design and construction of foundations, and seismic design considerations. The investigation included a review of existing subsurface information for the project area, subsurface explorations, laboratory testing, and engineering analyses. This report describes the work accomplished and summarizes our conclusions and recommendations for design and construction of the proposed improvements. The following geotechnical reports by GRI were reviewed as part of our investigation:

"Geotechnical Investigation and Site-Specific Hazard Study, Straub Hall Expansion, University of Oregon, Eugene, Oregon," dated May 10, 2013

"Geotechnical Investigation, CCNS MRI Facility, Straub Hall Site, Eugene, Oregon," dated November 1, 2000

## **PROJECT DESCRIPTION**

The northeast wing of the structure, constructed in 1972, will be demolished to allow construction of a new three-story building. The finish floor elevation of the new structure is expected to roughly match the existing floor elevation of about 440 ft. We understand temporary shoring may be required in several locations where the new building and associated improvements abut the existing structure. Selective demolition will also occur throughout the existing 1950 and 1962 portions of the building as necessary to accommodate additional improvements. We understand a below-grade courtyard area will be constructed on the east side of the southern building, which will require a 10- to 12-ft-deep excavation. Seismic joints will be provided in all areas where new construction abuts existing structures. Maximum column and wall loads are expected to be on the order of 700 kips and 10 to 12 kips/ft, respectively. The improvements include a cast-in-place retaining wall with a maximum height of the 3 ft and minor areas of asphaltic-concrete and Portland cement concrete pavement.

## **SITE DESCRIPTION**

### **Topography**

The proposed additions will be located primarily north and east of the existing Erb Memorial Union. Several smaller improvements including a transformer pad may be located on the west and/or south side of the existing structure. The existing ground surface within the footprint of the proposed additions ranges from about elevation 440 to 450 ft. Mature landscaping surrounds the existing structure in the area of the proposed improvements.

### **Geology**

The site is underlain by Oligocene-age, fine-grained sandstones, siltstones, and shales of the Eugene Formation. These sedimentary strata strike north-northwest, dip 10 to 15° to the east, and approach 15,000 ft in thickness in the Eugene area. Near-surface exposures of the Eugene Formation typically weather to a clayey silt material that forms a soil-like cap over the bedrock. The depth to the soil-bedrock contact typically ranges from about 5 to 15 ft, depending on the degree of weathering.

## **SUBSURFACE CONDITIONS**

### **General**

Subsurface materials and conditions at the site were explored on October 3, 4, and 5, 2011, with seven borings, designated B-1 through B-7, at the locations shown on Figure 2. The borings were advanced to depths of 10.1 to 20.2 ft. The borings completed for this investigation indicate the site is mantled by up to 7 ft of medium stiff silt fill, which is likely associated with the landscaping. The silt fill is underlain by a layer of decomposed siltstone/sandstone that typically has the consistency of stiff to very stiff or dense soil and is derived from the weathering of the underlying sedimentary rock. Below depths of about 8 to 14 ft, extremely soft (R0) siltstone/sandstone was encountered in all of the borings, and all of the borings were terminated in the siltstone/sandstone at depths of 10.1 to 20.1 ft below the ground surface. The materials encountered in the borings for this investigation are similar to those encountered during our investigations of other nearby sites on campus.

For the purpose of discussion, the materials disclosed in the borings have been grouped into the following major units based on their physical characteristics and engineering properties.

- 1. PAVEMENT**
- 2. FILL**
- 3. SILT (Decomposed Siltstone/Sandstone)**
- 4. SILTSTONE/SANDSTONE (Eugene Formation)**

**1. PAVEMENT.** A 1.5- and 2-in.-thick section of AC pavement was encountered at the ground surface in borings B-1 and B-5, respectively. The AC in boring B-5 is underlain by 28 in. of fine to coarse, rounded to subrounded gravel base course. Base course was not encountered beneath the AC in boring B-1.

**2. FILL.** Fill consisting of brown silt was encountered at the ground surface in borings B-2 through B-4 and in B-7. Silt identified as possible fill was encountered between a depth of 2.5 and 5 ft in boring B-5. The thickness of the fill ranges from about 2.6 to 7 ft. The silt fill contains some fine-grained sand and scattered

fragments of weathered siltstone. The relative consistency of the silt fill is typically medium stiff to stiff based on visual observation and N-values of 4 to 19 blows/ft.

**3. SILT and SAND (Decomposed Siltstone/Sandstone).** Silt and sand formed by the weathering of the underlying sedimentary rock was encountered at the ground surface in boring B-6 and beneath the silt fill and pavement section in borings B-1 through B-5 and B-7. The decomposed siltstone/sandstone extends to the top of rock at a depth of 8.2 to 14.2 ft. The silt is typically light brown to gray mottled rust and has a variable content of clay and sand. Fragments of weathered siltstone and sandstone are present throughout the unit. The sand is typically silty. N-values of 7 blows/ft to 50 blows for 3 in. of sampler penetration indicate the relative consistency of the silt is stiff to hard, and the relative density of the sand is medium dense to dense.

**4. SILTSTONE/SANDSTONE (Eugene Formation).** Light brown to gray mottled rust siltstone and sandstone of the Eugene Formation was encountered beneath the residual silt; all of the borings were terminated in rock. The relative hardness of the siltstone and sandstone is estimated to be extremely soft (R0) to medium hard (R2 to R3) based on N-values of up to 50 blows for 1 in. of sampler penetration.

### **Groundwater**

The borings were advanced using mud-rotary methods, which does not permit the observation of groundwater conditions during drilling. Groundwater monitoring wells installed on the campus in similar soil conditions indicate the groundwater level typically fluctuates in the range of 10 to 25 ft below the existing ground surface throughout the year, with levels generally the lowest in the late summer months. However, due to the presence of shallow, low-permeability subsurface materials, it should be anticipated that perched groundwater conditions could approach the ground surface during the wet, winter months and following periods of intense precipitation.

## **CONCLUSIONS AND RECOMMENDATIONS**

### **General**

The borings indicate the site is generally mantled with 2.5 to 7 ft of fill that is underlain by silt and sand derived from the decomposition of the underlying siltstone/sandstone of the Eugene Formation. The surface of the siltstone/sandstone is typically extremely soft to soft and grades to medium hard with increasing depth. The groundwater level at the site will fluctuate with precipitation, approaching the ground surface during the wet season and lowest at the end of the dry season. Our experience indicates the silt soils that mantle the site are sensitive to moisture and are easily disturbed by construction activities when wet.

The presence of fill and moisture-sensitive soils at the site are important aspects associated with site preparation, earthwork, and foundation design. New construction adjacent to the existing building is another important aspect related to foundation design. In our opinion, the structural loads of the proposed additions can be supported by conventional isolated or continuous footings. The following sections of this report provide our conclusions and recommendations for design and construction of the proposed additions.

## Excavations

Based on our current understanding, the lowest level will require excavations up to about 14 ft below existing site grades. The borings disclosed the depth to the top of the extremely soft rock ranges from 8.2 to 14.2 below existing site grades, with the depth to rock somewhat variable across the area of the proposed improvements. Based on our understanding of the project, it is likely that the required excavations will be completed in the decomposed siltstone or within the upper several feet of the underlying relatively soft siltstone/sandstone. We anticipate the required excavations can be completed with a large trackhoe. Recommendations for excavations that require shoring or bracing are provided in the Temporary Shoring section of this report. Recommendations for sloped excavations are provided below.

Temporary excavation slopes on the order of 10 to 12 ft high may be required to construct the improvements. For areas adjacent to existing buildings, we recommend a minimum 5-ft horizontal setback from the base of any existing footings to the excavation slope. Based on our evaluation of the soils disclosed by the borings, we anticipate temporary excavation slopes can be cut to an angle of 1H:1V to the top of the extremely soft (R0) rock. Temporary excavation slopes in the extremely soft (R0) rock can be made vertical or as steep as practical. Flatter slopes may be necessary if significant seepage or running soil conditions are encountered. If significant seepage and/or running soils are encountered, it may be necessary to provide a filter fabric and blanket of clean granular fill to control this condition. The granular fill material should be relatively coarse and well graded, such as 4-in.-minus crushed rock. In this regard, it is important to lower the water table as the excavation is being made to prevent instability of the excavation sidewalls. In our opinion, the short-term stability of the temporary slopes will be adequate if surcharge loads due to construction traffic, vehicle parking, material laydown, etc., are not allowed in the areas within 10 ft of the top of the cut. In this regard, we recommend placing positive measures, such as fencing or barricades, along the top of the cut to prevent this area from being used for material storage, a queue area for construction vehicles, or worker parking.

Other measures that should be considered to reduce the risk of temporary slope failure include:

- 1) Use visqueen to protect the cut slopes from drying out and/or surface saturation. Provide positive drainage away from the excavation above and below the cuts.
- 2) Construct and backfill the basement walls as soon as practical after making the excavation to minimize the amount of yielding in the cut slopes.
- 3) Periodically monitor the area around the top of the excavation for evidence of ground cracking.

It must be emphasized that following the above recommendations will not guarantee that failure of the temporary cut slopes will not occur; however, the recommendations are intended to reduce the risk of a major slope failure to an acceptable level. It should be realized, however, that blocks of ground and/or localized slumps in the excavation slopes may tend to move into the excavation during the construction. In our opinion, this is most likely to occur during the initial stages of the excavation and/or when the groundwater level is the highest.

As discussed in previous sections of this report, the groundwater level at the site will probably vary seasonally. Control of groundwater during the excavation for the embedded portion of the structure may be required depending on the time of year. In our opinion, groundwater control can be accomplished using a network of temporary drainage ditches and sumps. In our opinion, problems associated with groundwater would be minimized if excavations were made during the dry construction season, which typically extends from June through October.

### **Site Preparation**

The ground surface over all building areas, walkways, and other areas to receive structural fill, should be stripped of existing structures, vegetation, tree stumps, surface organics, and loose surface soils. In our opinion, all non-organic debris should be removed from the site. Stripping up to a depth of about 6 in. will likely be required in the landscape areas; however, deeper grubbing may be required to remove brush and tree roots. Organic strippings should be disposed of off site or stockpiled on site for later use in landscaped areas. Following stripping or excavation to subgrade level, the exposed subgrade should be evaluated by a qualified geotechnical engineer or engineering geologist to identify any soft areas that may require overexcavation. Soft or loose areas should be overexcavated to firm material and backfilled with structural fill. Particular attention should be paid to any areas of possible fill exposed during site preparation. It may be necessary to excavate several test pits in these areas, especially next to the existing structure, to document the extent, thickness, and condition of fill, and determine whether additional overexcavation is necessary to remove soft, loose, or deleterious materials. A qualified geotechnical engineer or engineering geologist should observe the subgrade after stripping as well as any subsequent fill removal.

It has been our experience that the moisture content of the upper few feet of the silty soils will decrease during extended warm, dry weather. However, below this depth, the moisture content of the soil tends to remain relatively unchanged and well above the optimum moisture content for compaction. As a result, the contractor must use construction equipment and procedures that prevent disturbance and softening of the subgrade soils. To prevent disturbance of the moisture-sensitive silt soils, site grading should be completed using a track-mounted hydraulic excavator. The excavation should be finished using a smooth-edged bucket to produce a firm, undisturbed surface. It may also be necessary to construct granular haul roads and work pads concurrently with excavation to minimize subgrade disturbance. If the subgrade is disturbed during construction, soft, disturbed soils should be overexcavated to firm soil and backfilled with structural fill.

If construction is to proceed during wet conditions, we recommend that construction equipment not traffic the fine-grained subgrade (silt) soils. This will require placing granular fill for a working pad to protect the subgrade. In our opinion, a 12- to 18-in.-thick granular work pad should be sufficient to prevent disturbance of the subgrade by lighter construction equipment and limited traffic by dump trucks. Haul roads and other high-density traffic areas will require a minimum of 18 to 24 in. of fragmental rock, up to 6-in. nominal size, to reduce the risk of subgrade deterioration. The use of a geotextile fabric over the subgrade may reduce maintenance during construction.

### **Structural Fill**

It is anticipated that a relatively minor amount of structural fill may be required to establish the building pad and walkways. In our opinion, imported granular material would be most suitable for construction of the structural fills. Granular material, such as sand, sandy gravel, or fragmental rock with a maximum size



of about 2 in. and with not more than about 5% passing the No. 200 sieve (washed analysis) would be suitable structural fill material. Granular fill should be placed in 12-in.-thick (loose) lifts and compacted with a medium-weight (48-in.-diameter drum), smooth, steel-wheeled, vibratory roller to at least 95% of the maximum dry density as determined by ASTM D 698.

On-site, fine-grained soils and site strippings that are free of debris may be used as fill in landscaped areas. These materials should be placed at about 90% of the maximum dry density as determined by ASTM D 698. The moisture content of soils placed in landscaped areas is not as critical, provided that construction equipment can effectively handle the materials.

All backfill placed in utility trench excavations within the limits of the building and improved areas should consist of sand, sand and gravel, or crushed rock with a maximum size of up to 1½ in. and with not more than 5% passing the No. 200 sieve (washed analysis). In our opinion, the granular backfill should be placed in lifts and compacted using vibratory plate compactors or tamping units to at least 95% of the maximum density as determined by ASTM D 698. Flooding or jetting the backfilled trenches with water to achieve the recommended compaction should not be permitted.

### **Subdrainage and Floor Support**

Groundwater levels during the wet, winter season may be expected to rise to near the existing ground surface. Therefore, we recommend that structures embedded below existing site grades be designed to withstand the hydrostatic pressures imposed by groundwater, or, alternatively, provided with subdrainage systems to reduce hydrostatic pressure and the risk of groundwater entering through embedded walls and floor slabs. Typical subdrainage details for embedded structures are shown on Figure 3. The figure shows peripheral subdrains to drain embedded walls and an interior granular drainage blanket beneath the concrete floor slab, which is drained by a system of subslab drainage pipes. All groundwater collected should be drained by gravity or pumped from sumps into the storm sewer system. If the water is pumped, an emergency power supply should be included to prevent flooding due to a power loss.

Water collected in the outside perimeter wall drain should be hard piped to a sump or drain. The outside collected water should not be allowed into the drain rock beneath the concrete slab-on-grade inside the building.

The free-draining, clean, angular rock placed beneath the concrete slab-on-grade floor will minimize the potential for capillary rise of water beneath the concrete slab and provide more uniform floor support. This material should consist of angular rock with a maximum size of up to 2 in. and less than 2% passing the No. 200 sieve (washed analysis). This material should be placed in one lift and compacted to at least 95% of the maximum dry density according to ASTM D 698 or until well-keyed. In our opinion, it is appropriate to assume a coefficient of subgrade reaction,  $k$ , of 175 pci to characterize the subgrade support with 8 in. of compacted crushed rock beneath the floor slabs. In areas where floor coverings will be provided or moisture-sensitive materials are stored, it would be appropriate to also install a vapor-retarding membrane per the manufacturer's recommendation. In areas where the finish floor elevation will be established near or above existing site grades and exterior finish grades, an 8-in.-thick layer of free-draining, clean, angular rock should be placed beneath floor slabs. This should be considered a minimum thickness for structural support considerations. A thicker section will likely be required in areas where construction equipment will operate on the rock. The free-draining, clean, angular rock will minimize the potential for

capillary rise of water beneath the concrete slabs and provide more uniform floor support. This material should consist of angular rock with a maximum size of up to 2 in. and less than 2% passing the No. 200 sieve (washed analysis). This material should be placed in one lift and compacted to at least 95% of the maximum dry density as determined by ASTM D 698 or until well keyed. In areas where floor coverings will be provided or moisture-sensitive materials are stored, it would be appropriate to also install a vapor-retarding membrane. The vapor-retarding membrane should be installed in accordance with the manufacturer's recommendations.

### **Lateral Earth Pressures**

Design lateral earth pressures for embedded walls depend on the type of construction, i.e., the ability of the wall to yield. The two possible conditions are 1) a wall that is laterally supported at floor levels or its top and, therefore, is unable to yield, and 2) a conventional cantilevered retaining wall that yields by tilting about its base. Non-yielding walls should be designed using an equivalent fluid pressure of 50 pcf. Walls that are allowed to yield by tilting about their base should be designed using an equivalent fluid pressure of 35 pcf.

To account for seismic loading, the Mononobe-Okabe method is commonly used to develop lateral earth pressures on embedded structures. Using this method, the lateral earth pressures (soil and surcharge) should be increased by about 30% for a design-level earthquake. The resultant seismic force acts at a distance of 0.6H measured up from the base of the wall, where H equals the overall height of the wall. However, recent research (Lew, et al., 2010) indicates this method may be conservative for rigid, unyielding basement walls designed in accordance with the ASCE 7-05 load combinations. Based on our review of the research findings, for embedded walls which are restrained at both the top and bottom and are designed in accordance with ASCE 7-05, it is our opinion the lateral earth pressure due to seismic loading may be omitted.

Horizontal earth pressures due to a surcharge consisting of heavy trucks (18,000-lb maximum axle load) may be taken as an additional uniform horizontal pressure of 100 psf over the entire height of the wall (rectangular pressure diagram) for yielding and non-yielding walls. We recommend adding this surcharge load to the loads described above for the embedded walls of the building and any other retaining walls on the site that retain paved driveway or parking areas. Additional lateral pressures due to surcharge loadings in the backfill area, such as loads against the embedded walls imposed by the footings of adjacent building, can be estimated using the guidelines provided on Figure 4.

The foregoing lateral earth pressure criteria assume the embedded walls will be backfilled with clean granular material, i.e., medium-grained sand, sand and gravel, or well-graded gravel with not more than 2% passing the No. 200 sieve (washed analysis), forming a 24-in. drainage blanket from top to bottom against the embedded wall and will be fully drained, see Figure 3. The granular backfill should be placed in lifts not to exceed 9 in. (loose) and compacted to about 93% of the maximum dry density (ASTM D 698). Overcompaction of the backfill should be avoided. Heavy compactors and large pieces of construction equipment should be kept a minimum distance of 5 ft away from any embedded wall to avoid the buildup of excessive lateral pressures. Compaction close to the walls should be accomplished using hand-operated, vibratory plate compactors.

## Temporary Shoring

We understand a cut up to 14 ft deep may be required for a transformer pad on the west side of the existing structure. Temporary shoring will be required to provide support for the foundation of the adjacent Mills Center. We anticipate a cantilever soldier pile wall with a steel section of adequate size can be used to retain the excavation. A cantilever soldier pile wall typically consists of a series of drilled shafts in which a steel section is installed, and the drilled shaft is backfilled with concrete. Above the embedded portion of the pile, lagging is inserted in the channels of the steel section to form the wall.

For design of a cantilever soldier pile wall, we recommend using an equivalent fluid pressure of  $35H$  pcf acting over the exposed wall area, where  $H$  is the height of the cut. A triangular passive pressure of  $750H$  psf, where  $H$  is the length of pile embedded in siltstone, can be assumed to act over two pile diameters. This value includes a factor of safety of 1.5 to limit deformations. For locations where the adjacent building foundation extends to the top of the siltstone, such as near the proposed transformer location on the west side of the Mills Center, surcharge loads may be omitted if construction equipment does not operate behind the wall.

We recommend an Oregon-licensed professional engineer experienced in the design of temporary shoring systems be retained to design these systems. This service is often provided by the specialty contractor retained to install shoring.

## Foundation Support

**General.** In our opinion, foundation support for the new construction can be provided by conventional column-type and continuous spread footings; however, due to the fact that elements of the new structure will be located adjacent to existing footings and tunnels, piles may be required in some locations. In our opinion, micropiles would be most suitable for use at these locations. Based on our conversations with ABHT Structural Engineers, the project structural engineer, we understand the maximum column and wall loads will be on the order of 700 kips and 10 to 12 kips/ft, respectively. A discussion of the foundation alternatives and our settlement estimates are provided below.

**Shallow Foundations.** In our opinion, foundation support for the majority of the new additions can be provided by conventional column-type and continuous spread footings, which we anticipate will be established in the near-surface soil and in the underlying rock. The bearing value used for foundation design is typically limited by settlement rather than bearing capacity considerations. We recommend using a maximum allowable bearing pressure of 3,000 psf for the design of spread footings founded in the native silt that mantles the site. We recommend using a maximum allowable bearing pressure of 8,000 psf for the design of spread footings founded in the relatively hard rock that underlies the site. These values apply to the total of dead load and/or frequently applied live loads and can be increased by one-half for the total of all loads; dead, live, and wind or seismic. The footing width should not be less than 24 in. for isolated column footings and 18 in. for continuous wall footings.

Due to the unknown nature of fill soils that are present at the site, we recommend all footings be established in firm, undisturbed native soil or compacted structural fill. If fill materials are encountered at subgrade elevation, the footing subgrade should be overexcavated to suitable firm native material and backfilled with compacted crushed rock. We recommend all footing excavations be observed by a qualified geotechnical engineer or engineering geologist, who will determine the required limits of

overexcavation, if necessary. During wet-weather construction, footings founded in fine-grained soils should have a 3- to 4-in.-thick layer of ¾-in.-minus crushed rock placed in the bottom of footing excavations as soon as practical to minimize disturbance from construction activities.

We anticipate the current design will not add load to the existing building foundations. Where new foundations are established adjacent to existing foundations, the new foundations should be established below a 1H:1V plane that extends up from the base of the existing foundation. We recommend locating all new footings at least one footing width from the existing building spread footing foundations to limit the risk of the new footings loads causing settlement of the existing footings.

We estimate the total settlement of spread footings designed in accordance with the recommendations presented above will be less than 1 in. Differential settlement between adjacent footings should be less than half of the total settlement. We anticipate the majority of the total foundation settlement will occur during construction as the dead load of the structure is placed on the footings. Our experience indicates that post-construction settlement resulting from secondary compression of the foundation soils will be relatively small.

Horizontal shear forces can be resisted partially or completely by frictional forces developed between the base of spread footings and the underlying soil. The total shearing resistance between the base of the footing and the soil can be computed as the normal force, i.e., the sum of all vertical forces (dead load plus real live load) times the coefficient of friction. We recommend an ultimate value of 0.35 for the coefficient of friction for footings cast on undisturbed fine-grained soil or granular structural fill. If additional lateral resistance is required, passive earth resistance against embedded footings, walls, or pile caps can be computed using a pressure based on an equivalent fluid with a unit weight of 250 pcf. This design passive earth pressure would be effective only if granular structural fill is used for the backfill or the footings were cast in neat-formed excavations.

**Micropiles.** Micropiles are small-diameter, cast-in-place, cased piles. Micropiles are typically constructed by drilling a cased hole into a bearing layer, placing a reinforcing bar to the bottom of the hole, and pumping grout to form a bond zone as the casing is withdrawn. The steel casing typically extends from the pile cap to the top or slightly below the bond zone to provide load transfer into the bond zone and structural rigidity at the top of the pile. Bond zone lengths typically depend on the type of soils and the contractor's construction methods. For the conditions existing at this site, we recommend a minimum bond zone length of 20 ft established in the siltstone/sandstone that underlies the site. We estimate the typical steel casing diameter needed to develop an allowable compressive and tension capacity of 200 kips would likely be at least 6 in. for the conditions at this site. Due to the relatively small diameter of micropiles, lateral capacity is limited, with a maximum allowable in the range of 5 to 10 kips depending on the reinforcement and thickness of the pile casing section. We anticipate settlement of the micropiles would be limited to the elastic shortening of the pile.

The actual design of micropiles is typically developed by a specialty contractor based on the performance criteria provided by the owner's geotechnical and structural engineer. Prior to installation of production micropiles, one verification test pile should be installed near the production pile locations. The verification load test should be performed to confirm the design capacities of the micropiles and the optimum length of the bond zone. The verification test pile should be tested to a minimum of 200%

of the maximum allowable design capacity (in uplift or compression) in accordance with ASTM D 3689. We also recommend proof testing about 10% of the production piles to 150% of the design load. The proof test for the compression loads may be performed in tension to facilitate the testing. A successful verification or proof test will typically sustain the test load for at least one log cycle of time (1 to 10 minutes) with less than 0.04 in. of movement. In addition, the measured deflection at the design load needs to be less than the maximum allowable deflection specified by the structural engineer.

To observe compliance with the intent of our recommendations, design concepts, and the plans and specifications, we are of the opinion that all construction operations dealing with micropiles should be observed by a GRI representative on a full-time basis.

### **Seismic Considerations**

In accordance with the requirements of the 2010 Oregon Structural Specialty Code (OSSC), we have completed a site-specific seismic hazard evaluation for the project, which is provided in Appendix B. We anticipate the project will be designed in accordance with the 2010 Oregon Structural Specialty Code (OSSC), which is based on the 2009 International Building Code (IBC). The IBC design methodology uses two spectral response coefficients,  $S_s$  and  $S_1$ , corresponding to periods of 0.2 and 1.0 second, to develop the design-level earthquake. The spectral response coefficients were obtained from the U.S. Geological Survey (USGS) Uniform Hazard Response Spectra Curves for the coordinates of 44.04° N latitude and 123.07° W longitude. The  $S_s$  and  $S_1$  coefficients identified for the site are 0.67 and 0.33 g, respectively. Based on the subsurface conditions disclosed by the borings at the site and the available subsurface information from the project area, we recommend defining the site as IBC Site Class C.

In our opinion, the risk of other potential seismic hazards at the site such as liquefaction, lateral spreading, and earthquake-induced fault displacement is very low. Additional discussion regarding local faults is provided in Appendix B. The risk of damage by tsunami and/or seiche at the site is absent.

### **Pavement Section**

It has been our experience with similar projects on campus that 3 in. of AC over 8 in. of crushed rock base course (CRB) is suitable for the support of automobile traffic and parking areas. The pavement section should consist of at least 4 in. of AC over 12 in. of CRB in areas that will be subjected to heavy truck traffic. For area to be paved with PCC, such as the loading dock ramp, we recommend a minimum of 6 in. of PCC over 6 in. of CRB. These design sections assume the subgrade consists of firm, undisturbed silty soils or compacted structural fill. The recommended thicknesses assume all pavement sections will be constructed during the dry season. If wet-weather pavement construction is considered, it will likely be necessary to increase the thickness of CRB for all pavement sections to support construction equipment.

### **LIMITATIONS**

This report has been prepared to aid the architect and engineer in the design of this project. The scope is limited to the specific project and location described herein, and our description of the project represents our understanding of the significant aspects of the project relevant to earthwork and design of foundations, floor support, and pavements. In the event that any changes in the design and location of the additions as outlined in this report are planned, we should be given the opportunity to review the changes and to modify or reaffirm the conclusions and recommendations of this report in writing.

The conclusions and recommendations submitted in this report are based on the data obtained from the borings made at the locations indicated on Figure 3 and from other sources of information discussed in this report. In the performance of subsurface investigations, specific information is obtained at specific locations at specific times. However, it is acknowledged that variations in soil conditions may exist between boring locations. This report does not reflect any variations that may occur between these explorations. The nature and extent of variation may not become evident until construction. If, during construction, subsurface conditions different from those encountered in the explorations are observed or encountered, we should be advised at once so that we can observe and review these conditions and reconsider our recommendations where necessary.

Please contact the undersigned if you have any questions regarding this report.

Submitted for GRI,



*Renews 12/2014*

Michael W. Reed, PE, GE  
Principal

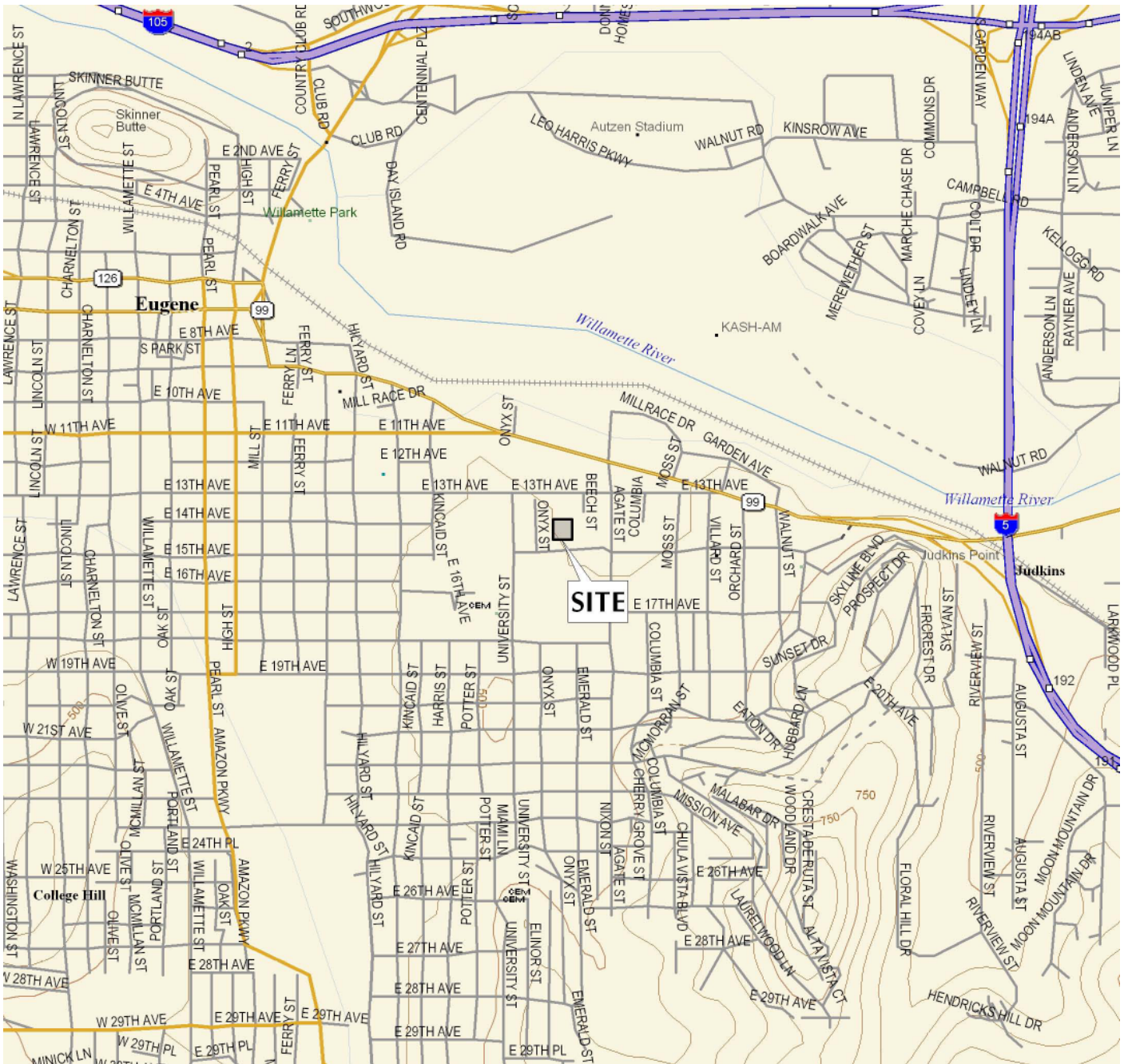
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Tamara G. Kimball, PE, GE  
Senior Engineer

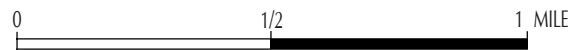
Lew, M., Sitar, N., Al Atik, L., Pourzanjani, M., Hudson, M.B., 2010, Seismic earth pressures on deep building basements, SEAOC 2010 Convention Proceedings.

This document has been submitted electronically.





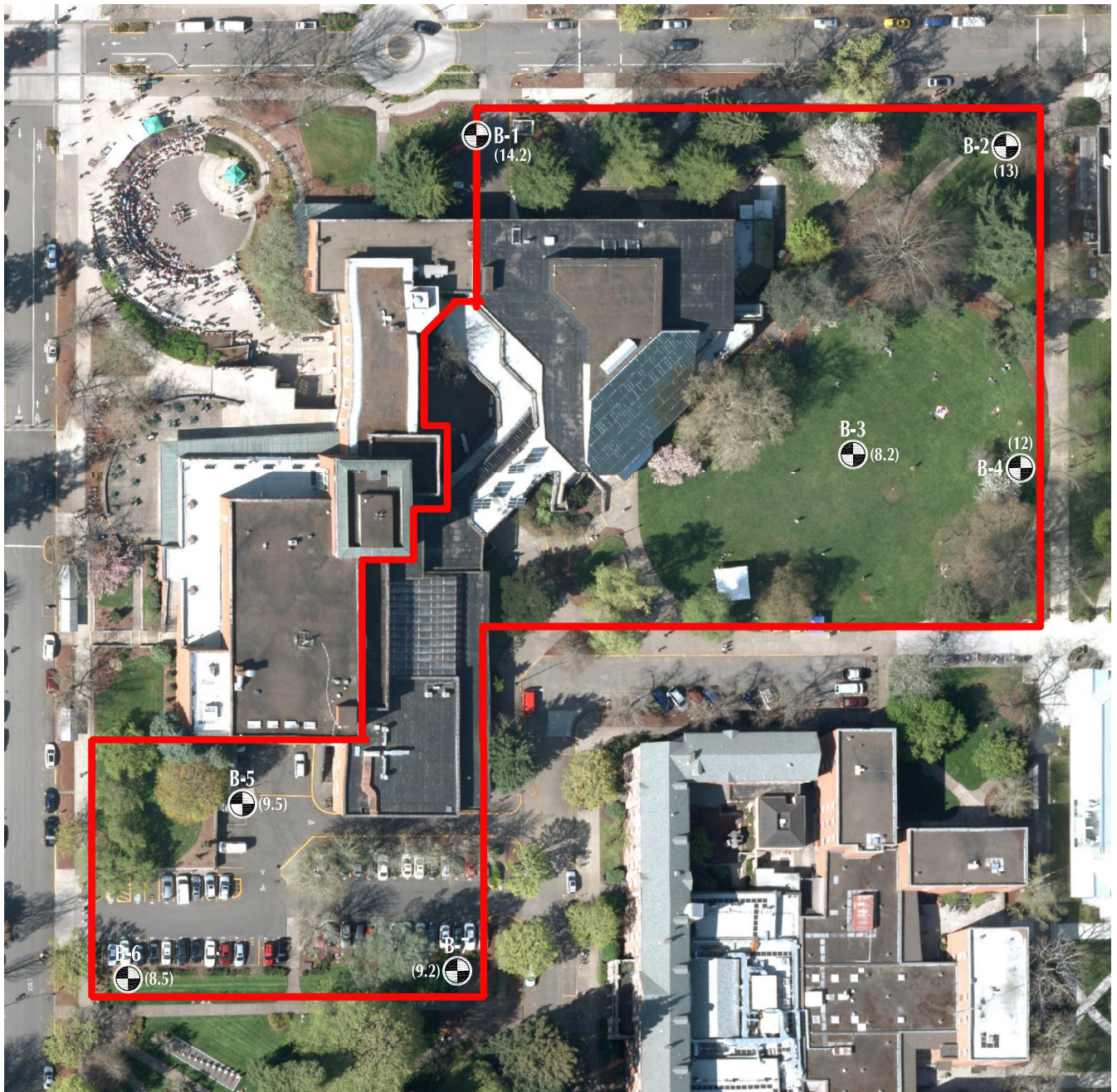
DELORME 3-D TOPOQUADS, OREGON  
 EUGENE EAST, OREG. (3ad) 2004



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## VICINITY MAP

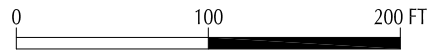





 BORING MADE BY GRI  
 (OCTOBER 3 - 5, 2011)

(14.2) DEPTH TO ROCK, FT

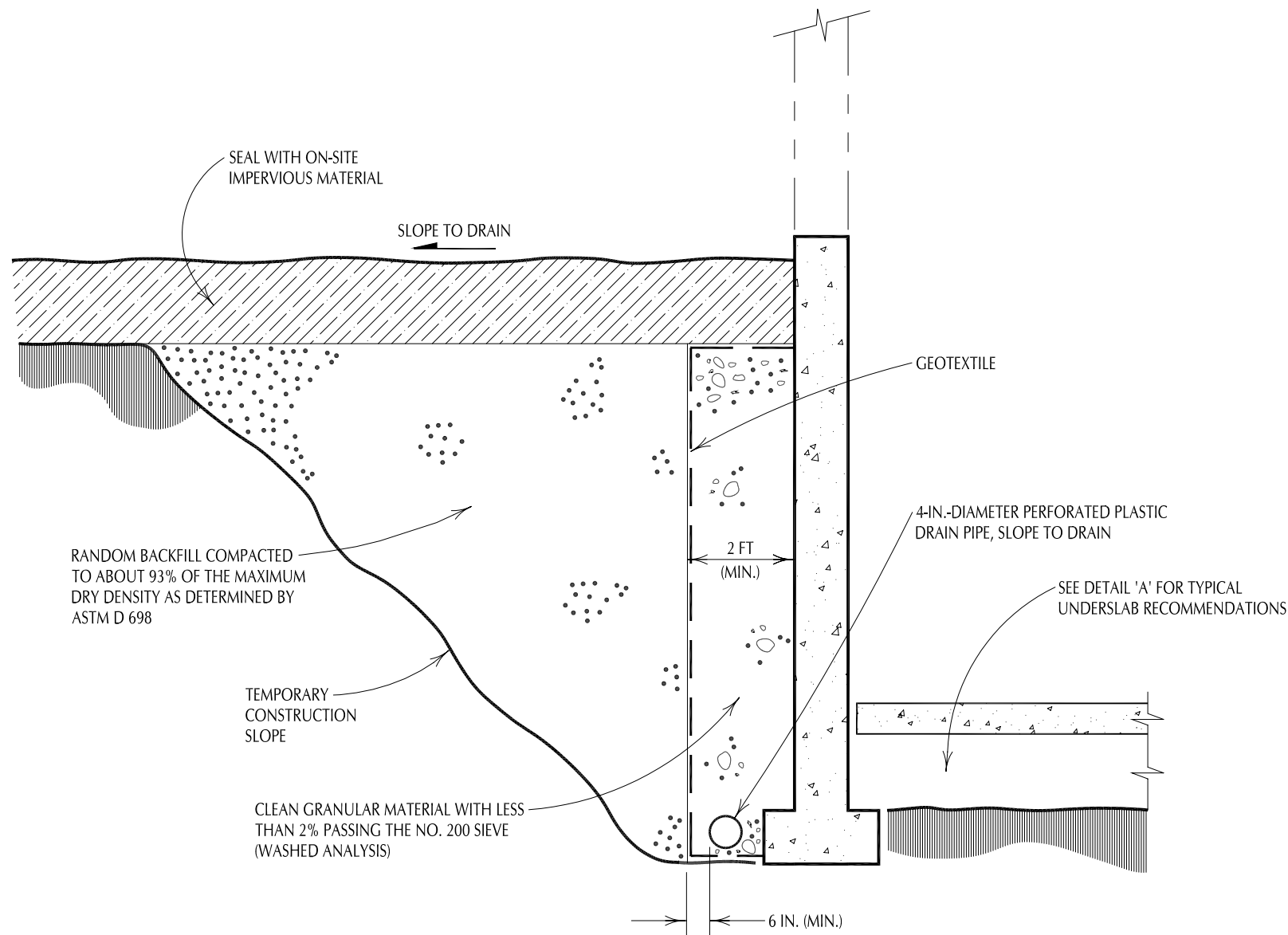
SITE PLAN FROM FILE BY UNIVERSITY OF OREGON, DATED APRIL 2011



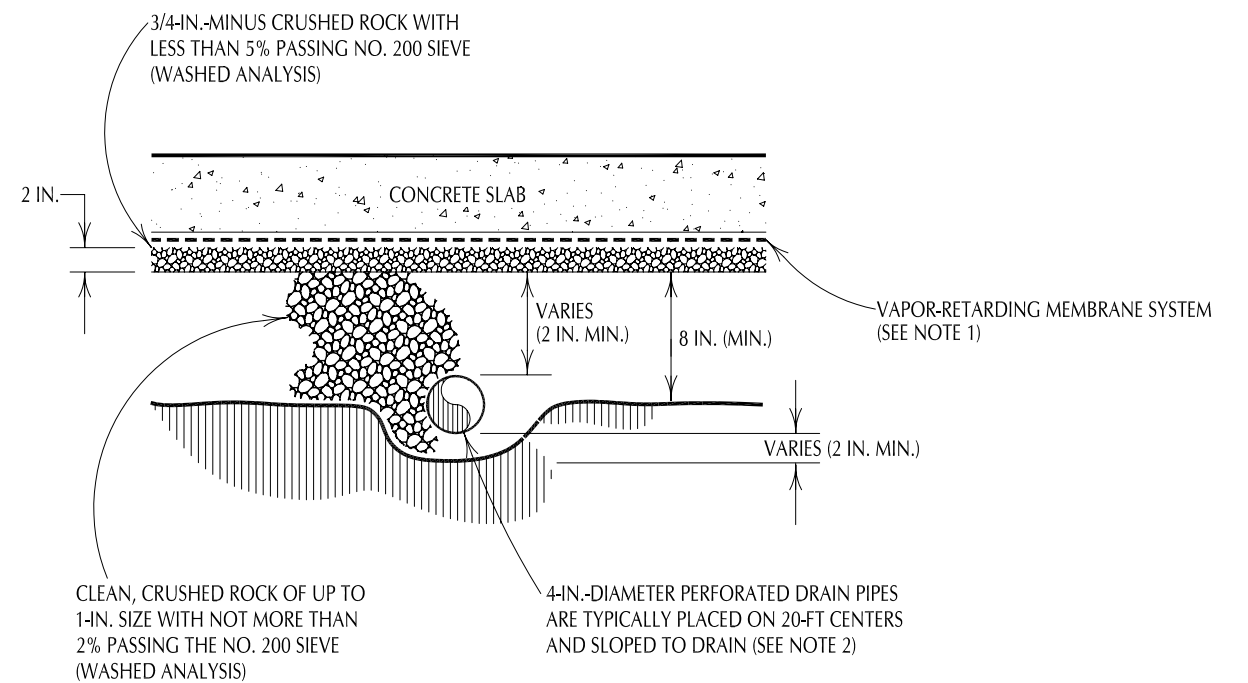
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# SITE PLAN





PERIMETER DRAIN



DETAIL 'A'  
NOT TO SCALE

UNDERSLAB DRAIN

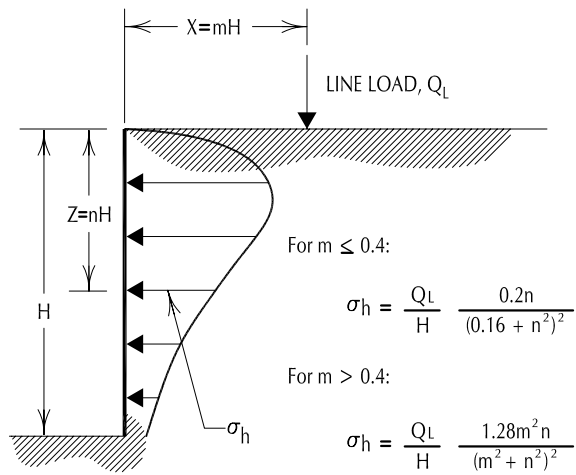
NOTES:

- 1) A VAPOR-RETARDING MEMBRANE SYSTEM IS RECOMMENDED FOR MOISTURE-SENSITIVE AREAS.
- 2) DETAILS REGARDING INSTALLATION OF THE SYSTEM SHOULD BE REVIEWED BY THE DESIGN TEAM.

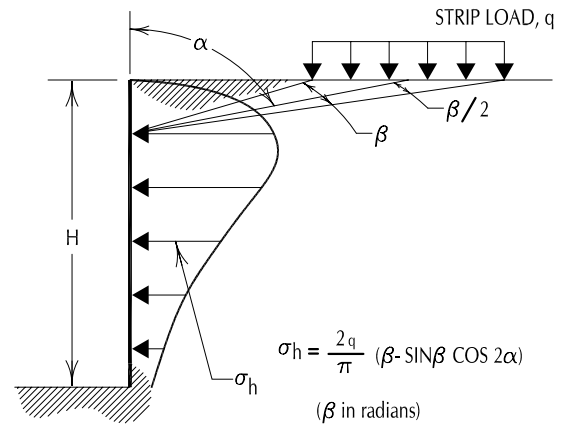


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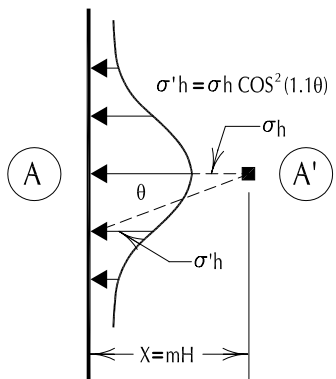
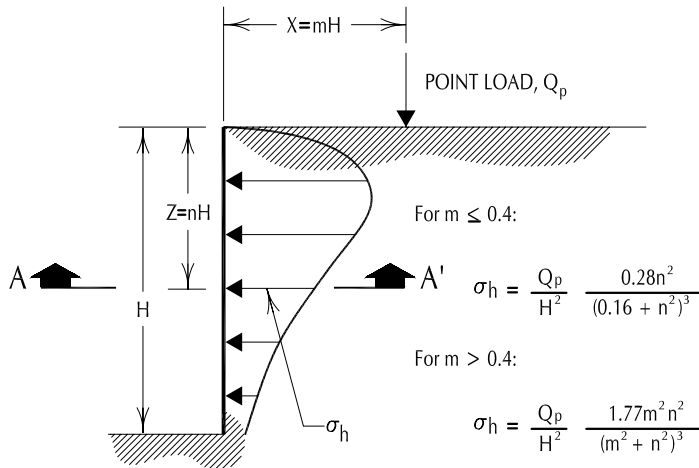
TYPICAL SUBDRAINAGE  
DETAILS



LINE LOAD PARALLEL TO WALL



STRIP LOAD PARALLEL TO WALL



DISTRIBUTION OF HORIZONTAL PRESSURES

VERTICAL POINT LOAD

NOTES:

1. THESE GUIDELINES APPLY TO RIGID WALLS WITH POISSON'S RATIO ASSUMED TO BE 0.5 FOR BACKFILL MATERIALS.
2. LATERAL PRESSURES FROM ANY COMBINATION OF ABOVE LOADS MAY BE DETERMINED BY THE PRINCIPLE OF SUPERPOSITION.



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# SURCHARGE-INDUCED LATERAL PRESSURE

**APPENDIX A**

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*Field Explorations and Laboratory Testing*

## APPENDIX A

### FIELD EXPLORATIONS AND LABORATORY TESTING

#### FIELD EXPLORATIONS

Subsurface materials and conditions at the site were investigated on October 3 through 5, 2011, with seven borings, designated B-1 through B-7, made at the approximate locations shown on the Site Plan, Figure 1. The borings were observed by an experienced engineer from GRI, who maintained a detailed log of the materials disclosed during the course of the work. The borings were advanced to depths of 10.1 to 20.2 ft, and all of the borings were terminated in siltstone. The borings were advanced using mud-rotary drilling techniques and a track-mounted drill rig provided and operated by Western States Soil Conservation of Hubbard, Oregon.

Disturbed and undisturbed soil samples were obtained from the borings at 2.5- to 5-ft intervals of depth. Disturbed soil samples were obtained using a standard split-spoon sampler. The Standard Penetration Test (SPT) was completed while obtaining disturbed soil samples. This test is performed by driving a split-spoon sampler into the soil a distance of 18 in. using the force of a 140-lb hammer dropped 30 in. The number of blows required to drive the sampler the last 12 in. is called the Standard Penetration Resistance, or N-value. The N-value provides a measure of the degree of compactness of granular soils, such as sand, and the degree of softness or stiffness of cohesive soils, such as silt. In addition, relatively undisturbed 3.0-in.-diameter Shelby tube samples of the silt soil were obtained. The samples were obtained by pushing a Shelby tube into the undisturbed soil a distance of approximately 24 in. using the hydraulic ram of the drill rig. The soil exposed in the ends of the Shelby tubes were examined and classified. After classification, the tubes were sealed with rubber caps and returned to our laboratory for further classification and testing.

Logs of the borings are provided on Figures 1A through 7A. Each log presents a descriptive summary of the various types of material encountered in the boring and notes the depth where the materials and/or characteristics of the materials change. To the right of the descriptive summary, the numbers and types of samples that were taken during the drilling operation are indicated. Farther to the right, N-values and Torvane shear strength values are shown graphically. The terms used to describe the materials encountered in the borings are defined in Tables 1A and 2A.

#### LABORATORY TESTING

The samples obtained from the borings were examined in our laboratory where the physical characteristics of the samples were noted, and the field classifications were modified where necessary. At the time of classification, the natural moisture content of each sample was determined. The following paragraphs describe the testing program in more detail.

##### Natural Moisture Content

Natural moisture contents were determined in conformance with ASTM D 2216. The results are summarized on Figures 1A through 7A.

## Washed Sieve Analyses

Washed sieve analyses were performed for selected soil samples to determine the percentage of material passing the No. 200 sieve. The test results assist in material classification and are used in liquefaction studies. The test is performed by taking a sample of known dry weight and washing it over a No. 200 sieve. The material retained on the sieve is oven-dried and weighed. The percentage of material that passed the No. 200 sieve is then calculated. Test results are summarized below.

### SUMMARY OF DRY UNIT WEIGHT DETERMINATIONS

Boring	Sample	Depth, ft	% Passing the No. 200 Sieve	Soil Type
B-1	S-1	2.5	36	Silty SAND
B-2	S-2	7.5	30	Silty SAND
B-4	S-4	10.0	42	Silty SAND
B-6	S-2	5.0	60	Sandy SILT

## Unit Weight

The dry unit weight, or density, of undisturbed soil samples was determined in the laboratory in substantial conformance with ASTM D 2937. The unit weight determinations are summarized in the following table.

### SUMMARY OF DRY UNIT WEIGHT DETERMINATIONS

Boring	Sample	Depth, ft	Natural Moisture Content, %	Dry Unit Weight, pcf	Soil Type
B-1	S-2	5.0	52	71	Silty SAND
B-3	S-3	7.5	28	93	Sandy SILT
B-6	S-3	5.5	36	84	SILT: some sand to sandy, trace to some clay
B-7	S-2	5.0	50	75	SILT; some sand

**Table 1A**

**GUIDELINES FOR CLASSIFICATION OF SOIL**

**Description of Relative Density for Granular Soil**

<u>Relative Density</u>	<u>Standard Penetration Resistance (N-values) blows per foot</u>
very loose	0 - 4
loose	4 - 10
medium dense	10 - 30
dense	30 - 50
very dense	over 50

**Description of Consistency for Fine-Grained (Cohesive) Soils**

<u>Consistency</u>	<u>Standard Penetration Resistance (N-values) blows per foot</u>	<u>Torvane Undrained Shear Strength, tsf</u>
very soft	2	less than 0.125
soft	2 - 4	0.125 - 0.25
medium stiff	4 - 8	0.25 - 0.50
stiff	8 - 15	0.50 - 1.0
very stiff	15 - 30	1.0 - 2.0
hard	over 30	over 2.0

Sandy silt materials which exhibit general properties of granular soils are given relative density description.

**Grain-Size Classification**

**Modifier for Subclassification**

	<u>Adjective</u>	<u>Percentage of Other Material In Total Sample</u>
<i>Boulders</i> 12 - 36 in.		
<i>Cobbles</i> 3 - 12 in.	clean	0 - 2
<i>Gravel</i> 1/4 - 3/4 in. (fine) 3/4 - 3 in. (coarse)	trace some	2 - 10 10 - 30
<i>Sand</i> No. 200 - No. 40 sieve (fine) No. 40 - No. 10 sieve (medium) No. 10 - No. 4 sieve (coarse)	sandy, silty, clayey, etc.	30 - 50

*Silt/Clay* - pass No. 200 sieve

**Table 2A**  
**GUIDELINES FOR CLASSIFICATION OF ROCK**

**RELATIVE ROCK WEATHERING SCALE:**

<u>Term</u>	<u>Field Identification</u>
Fresh	Crystals are bright. Discontinuities may show some minor surface staining. No discoloration in rock fabric.
Slightly Weathered	Rock mass is generally fresh. Discontinuities are stained and may contain clay. Some discoloration in rock fabric. Decomposition extends up to 1 in. into rock.
Moderately Weathered	Rock mass is decomposed 50% or less. Significant portions of rock show discoloration and weathering effects. Crystals are dull and show visible chemical alteration. Discontinuities are stained and may contain secondary mineral deposits.
Predominantly Decomposed	Rock mass is more than 50% decomposed. Rock can be excavated with geologist's pick. All discontinuities exhibit secondary mineralization. Complete discoloration of rock fabric. Surface of core is friable and usually pitted due to washing out of highly altered minerals by drilling water.
Decomposed	Rock mass is completely decomposed. Original rock "fabric" may be evident. May be reduced to soil with hand pressure.

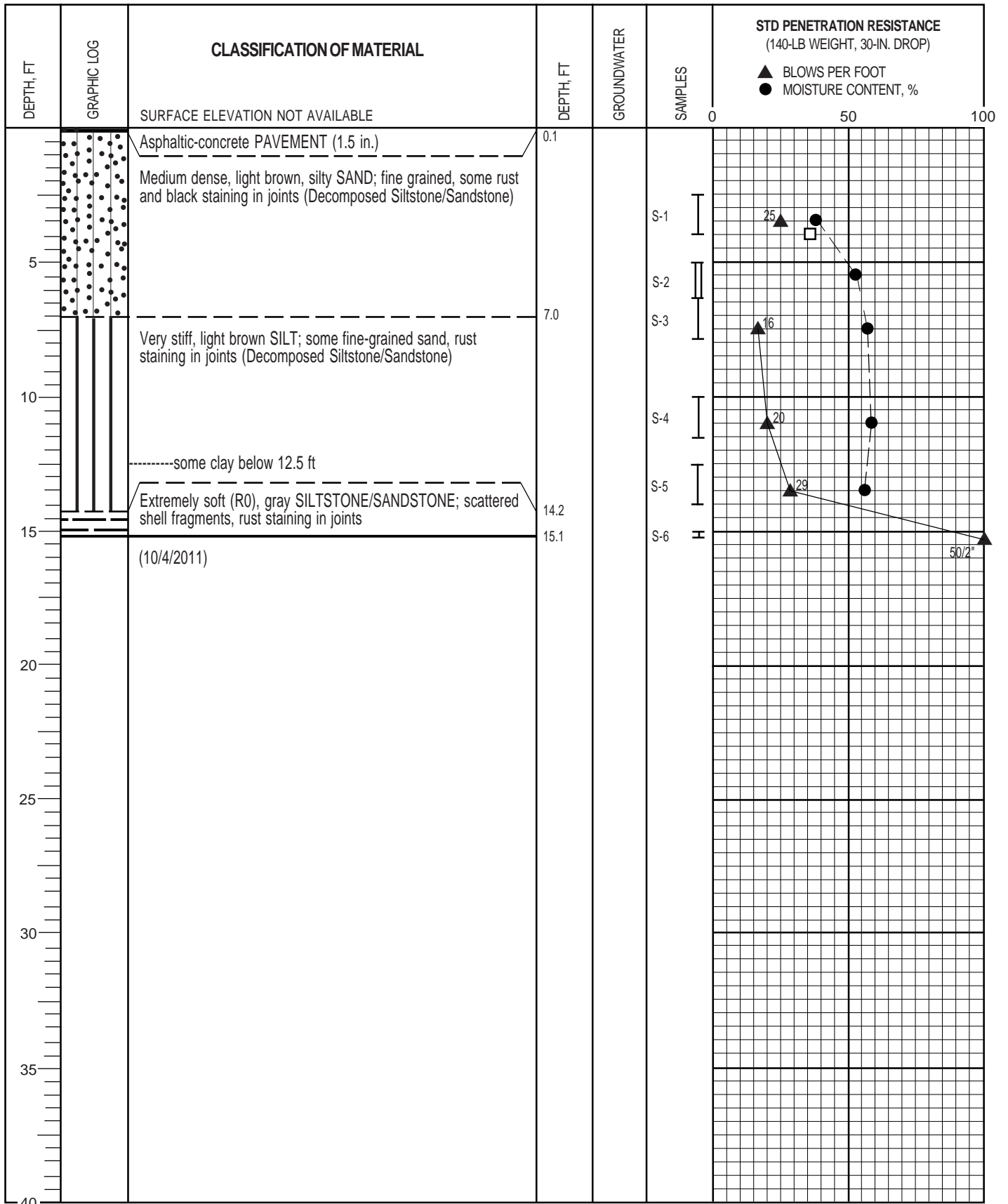
**RELATIVE ROCK HARDNESS SCALE:**

<u>Term</u>	<u>Hardness Designation</u>	<u>Field Identification</u>	<u>Approximate Unconfined Compressive Strength</u>
Extremely Soft	R0	Can be indented with difficulty by thumbnail. May be moldable or friable with finger pressure.	< 100 psi
Very Soft	R1	Crumbles under firm blows with point of a geology pick. Can be peeled by a pocket knife and scratched with fingernail.	100 - 1,000 psi
Soft	R2	Can be peeled by a pocket knife with difficulty. Cannot be scratched with fingernail. Shallow indentation made by firm blow of geology pick.	1,000 - 4,000 psi
Medium Hard	R3	Can be scratched by knife or pick. Specimen can be fractured with a single firm blow of hammer/geology pick.	4,000 - 8,000 psi
Hard	R4	Can be scratched with knife or pick only with difficulty. Several hard hammer blows required to fracture specimen.	8,000 - 16,000 psi
Very Hard	R5	Cannot be scratched by knife or sharp pick. Specimen requires many blows of hammer to fracture or chip. Hammer rebounds after impact.	> 16,000 psi

**RQD AND ROCK QUALITY:**

<u>Relation of RQD and Rock Quality</u>		<u>Terminology for Planar Surface</u>		
<u>RQD (Rock Quality Designation), %</u>	<u>Description of Rock Quality</u>	<u>Bedding</u>	<u>Joints and Fractures</u>	<u>Spacing</u>
0 - 25	Very Poor	Laminated	Very Close	< 2 in.
25 - 50	Poor	Thin	Close	2 in. – 12 in.
50 - 75	Fair	Medium	Moderately Close	12 in. – 36 in.
75 - 90	Good	Thick	Wide	36 in. – 10 ft
90 - 100	Excellent	Massive	Very Wide	> 10 ft



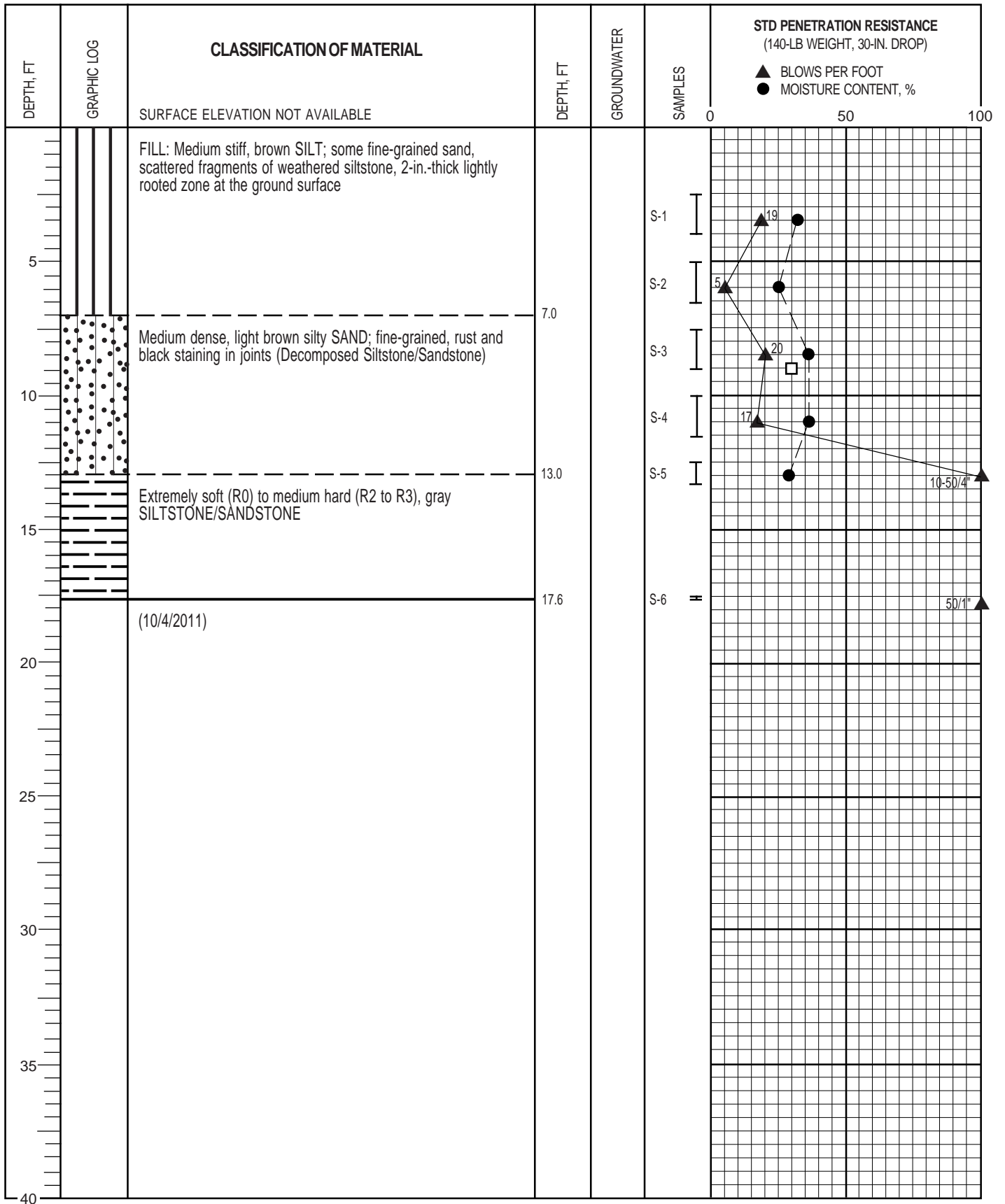


- I 2-IN.-OD SPLIT-SPOON SAMPLER
- II 3-IN.-OD THIN-WALLED SAMPLER
- G GRAB SAMPLE OF DRILL CUTTINGS
- NX CORE RUN
- SLOTTED PVC PIPE
- ▼ Water Level (date)
- ◆ TORVANE SHEAR STRENGTH, TSF
- PERCENT PASSING NO. 200 SIEVE (WASHED)
- \* NO RECOVERY
- Liquid Limit
- Moisture Content
- Plastic Limit



**BORING B-1**

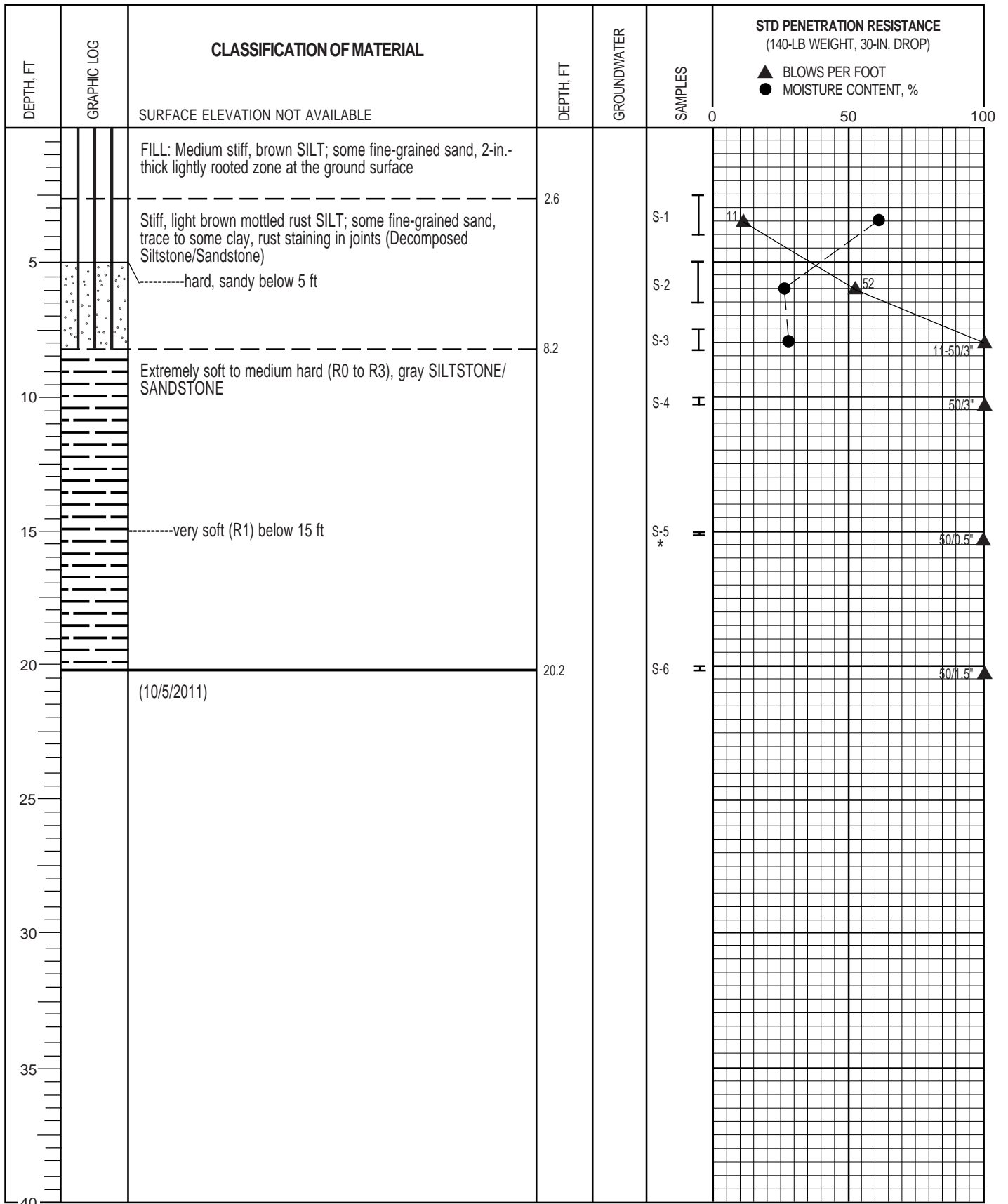




- I 2-IN.-OD SPLIT-SPOON SAMPLER
- II 3-IN.-OD THIN-WALLED SAMPLER
- G GRAB SAMPLE OF DRILL CUTTINGS
- █ NX CORE RUN
- SLOTTED PVC PIPE
- ▼ Water Level (date)
- ◆ TORVANE SHEAR STRENGTH, TSF
- PERCENT PASSING NO. 200 SIEVE (WASHED)
- \* NO RECOVERY
- Liquid Limit
- Moisture Content
- Plastic Limit



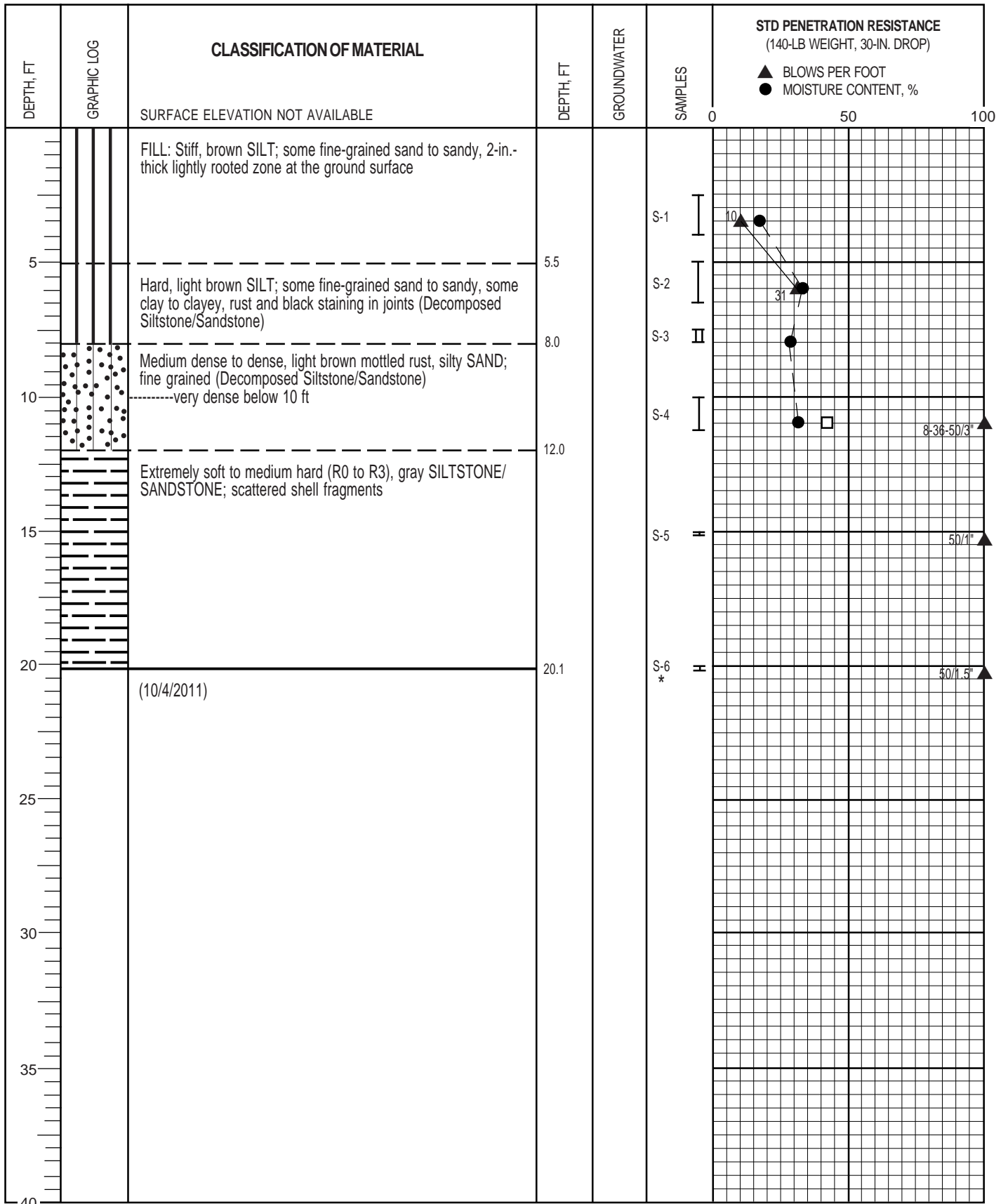
# BORING B-2



- I 2-IN.-OD SPLIT-SPOON SAMPLER
- II 3-IN.-OD THIN-WALLED SAMPLER
- G GRAB SAMPLE OF DRILL CUTTINGS
- █ NX CORE RUN
- SLOTTED PVC PIPE
- ▼ Water Level (date)
- ◆ TORVANE SHEAR STRENGTH, TSF
- PERCENT PASSING NO. 200 SIEVE (WASHED)
- \* NO RECOVERY
- Liquid Limit
- Moisture Content
- Plastic Limit



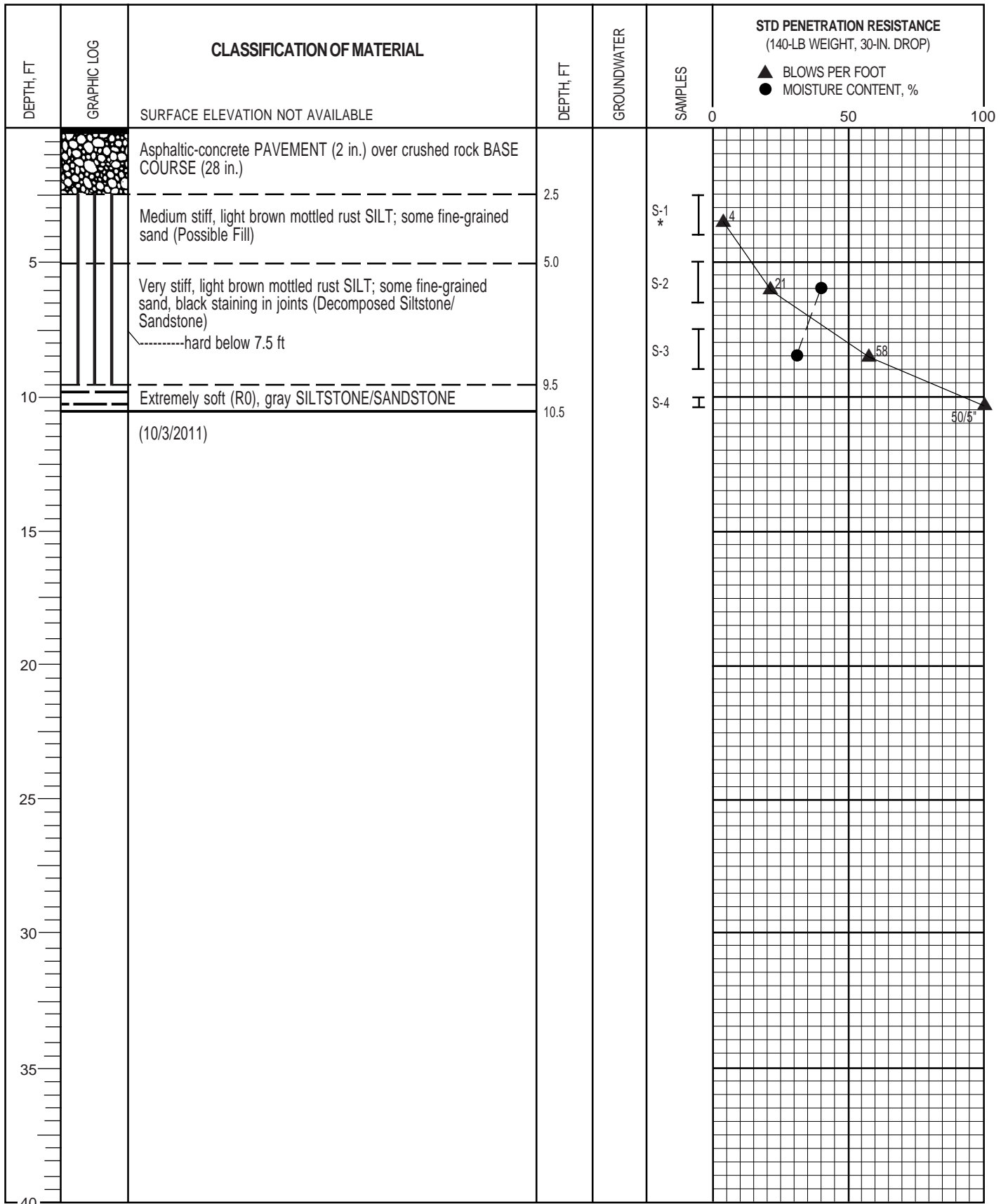
# BORING B-3



- I 2-IN.-OD SPLIT-SPOON SAMPLER
- II 3-IN.-OD THIN-WALLED SAMPLER
- G GRAB SAMPLE OF DRILL CUTTINGS
- █ NX CORE RUN
- SLOTTED PVC PIPE
- ▼ Water Level (date)
- ◆ TORVANE SHEAR STRENGTH, TSF
- PERCENT PASSING NO. 200 SIEVE (WASHED)
- \* NO RECOVERY
- Liquid Limit
- Moisture Content
- Plastic Limit



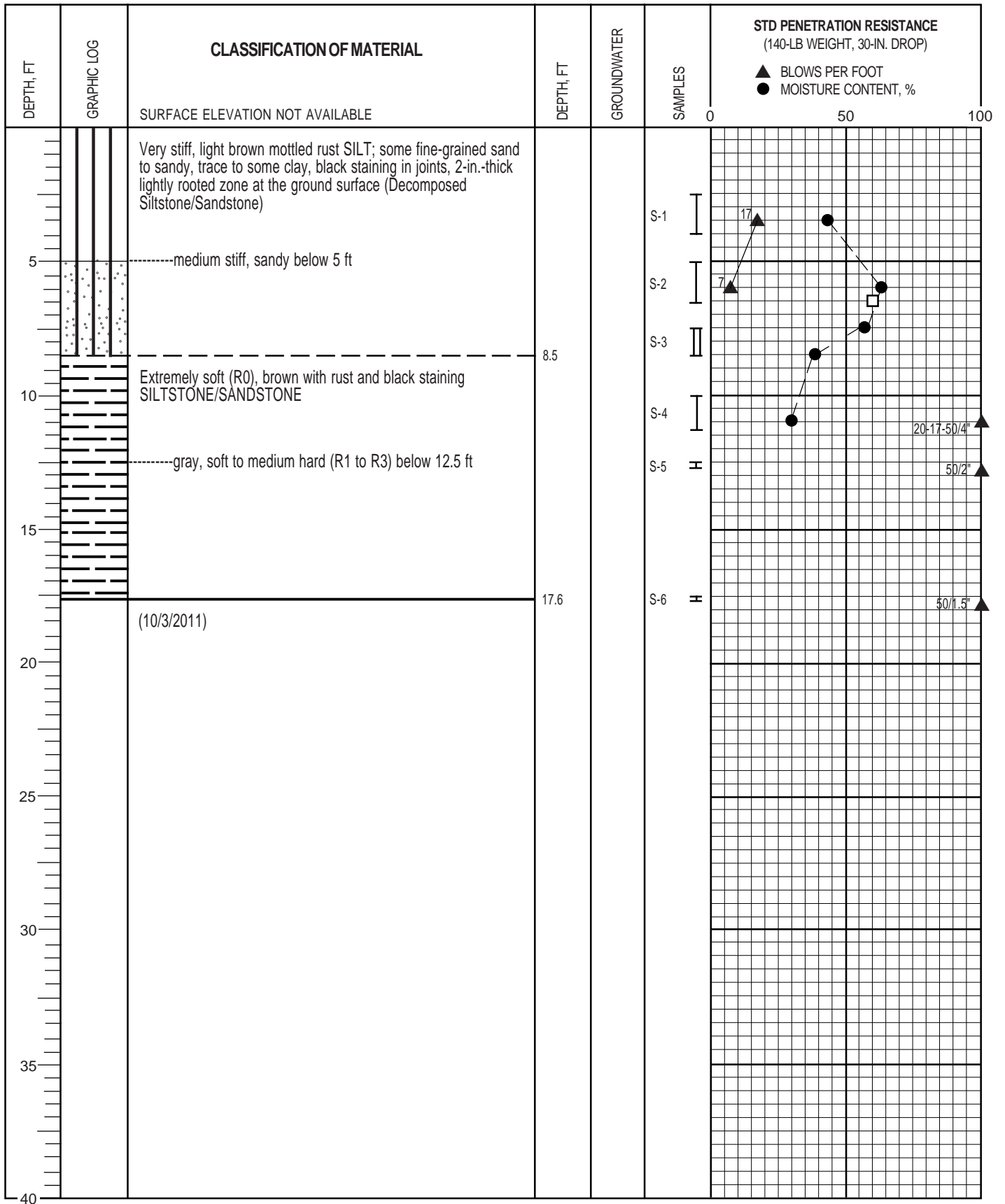
# BORING B-4



- 2-IN.-OD SPLIT-SPOON SAMPLER
- 3-IN.-OD THIN-WALLED SAMPLER
- GRAB SAMPLE OF DRILL CUTTINGS
- NX CORE RUN
- SLOTTED PVC PIPE
- Water Level (date)
- TORVANE SHEAR STRENGTH, TSF
- PERCENT PASSING NO. 200 SIEVE (WASHED)
- \* NO RECOVERY
- Liquid Limit
- Moisture Content
- Plastic Limit



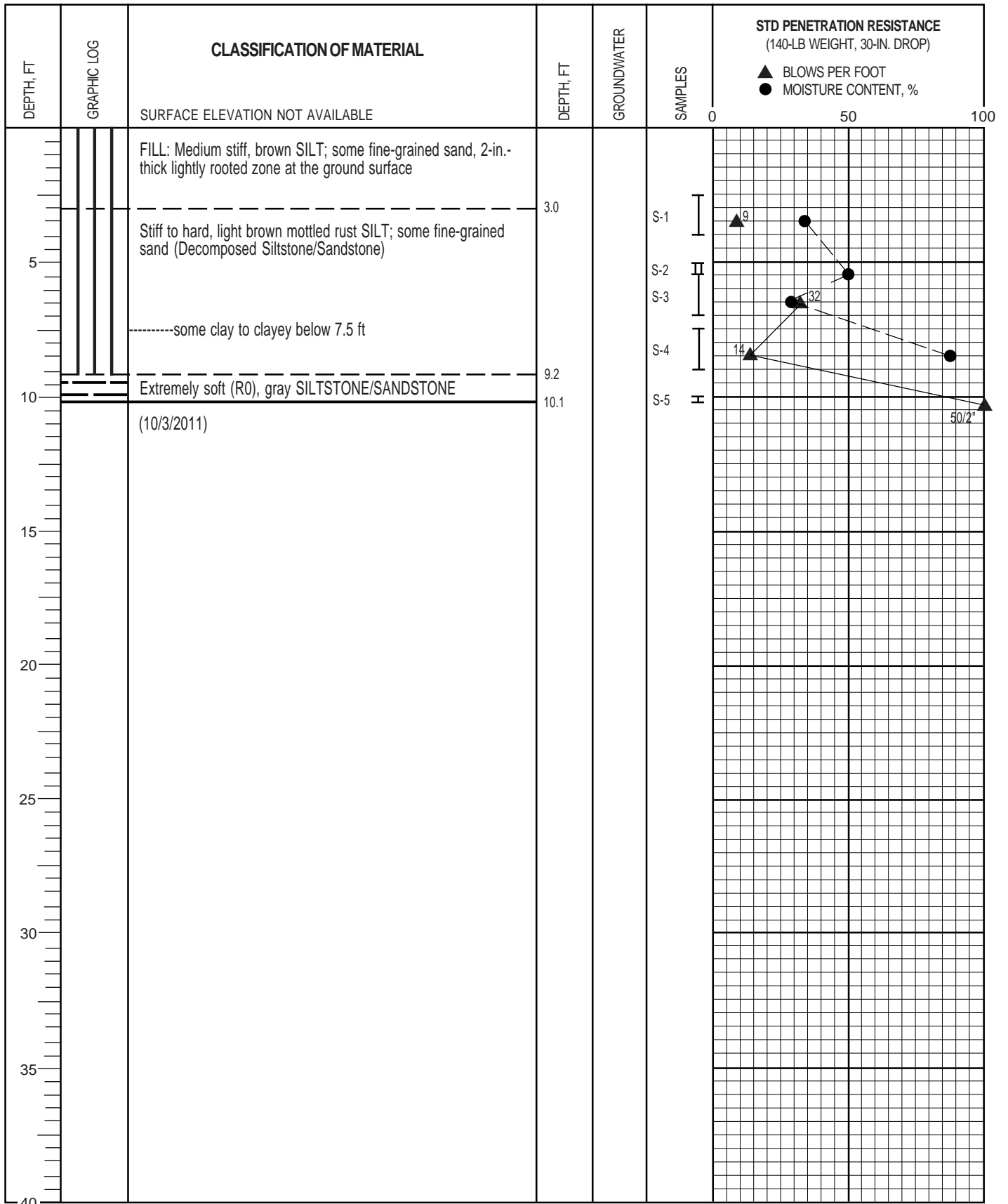
# BORING B-5



- I 2-IN.-OD SPLIT-SPOON SAMPLER
- II 3-IN.-OD THIN-WALLED SAMPLER
- G GRAB SAMPLE OF DRILL CUTTINGS
- █ NX CORE RUN
- SLOTTED PVC PIPE
- ▼ Water Level (date)
- ◆ TORVANE SHEAR STRENGTH, TSF
- PERCENT PASSING NO. 200 SIEVE (WASHED)
- \* NO RECOVERY
- Liquid Limit
- Moisture Content
- Plastic Limit



# BORING B-6



- I 2-IN.-OD SPLIT-SPOON SAMPLER
- II 3-IN.-OD THIN-WALLED SAMPLER
- G GRAB SAMPLE OF DRILL CUTTINGS
- █ NX CORE RUN
- SLOTTED PVC PIPE
- ▼ Water Level (date)
- ◆ TORVANE SHEAR STRENGTH, TSF
- PERCENT PASSING NO. 200 SIEVE (WASHED)
- \* NO RECOVERY
- Liquid Limit
- Moisture Content
- Plastic Limit



# BORING B-7

**APPENDIX B**

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*Site-Specific Seismic Hazard Study*

## APPENDIX B

### SITE-SPECIFIC SEISMIC HAZARD EVALUATION

GRI has completed a site-specific seismic hazard evaluation for the proposed additions to the Erb Memorial Union on the U of O campus in Eugene, Oregon. The purpose of the study was to evaluate the potential seismic hazards associated with regional and local seismicity. The site-specific hazard evaluation is intended to meet the requirements of the 2010 OSSC, which is based on the 2009 IBC. Our work was based on the potential for regional and local seismic activity, as described in the existing scientific literature, and on the subsurface conditions at the site, as interpreted from borings completed in the project area. Specifically, our work included the following tasks:

- 1) A detailed review of available literature, including published papers, maps, open-file reports, seismic histories and catalogs, works in progress, and other sources of information regarding the tectonic setting, regional and local geology, and historical seismic activity that might have a significant effect on the site.
- 2) Compilation and evaluation of subsurface data gathered in the vicinity of the site, including the results of two borings completed at the project site. This information was used to prepare a generalized subsurface profile for the site.
- 3) Identification of the potential seismic events (earthquakes) appropriate for the site and characterization of those events in terms of a generalized design event.
- 4) Office studies, based on the generalized subsurface profile and generalized design earthquake, resulting in conclusions and recommendations concerning:
  - a) specific seismic events that might have a significant effect on the site,
  - b) the potential for amplification of seismic energy at the site, and
  - c) site-specific seismic design parameters for the proposed structure.

This appendix describes the work accomplished and summarizes our conclusions and recommendations.

#### **Geologic Setting**

On a regional scale, the site is located in the southern limits of the Willamette-Puget Sound lowland trough of the Cascadia convergent tectonic system (Blakely, et al., 2000). The lowland areas consist of broad north-south-trending basins in the underlying geologic structure between the Coast Range to the west and the Cascade Mountains to the east. The lowland trough is characterized by alluvial plains with areas of buttes and terraces. The site lies approximately 150 km inland from the surface expression of the Cascadia Subduction Zone (CSZ), an active convergent plate boundary along which remnants of the Farallon Plate (the Gorda, Juan de Fuca, and Explorer plates) are being subducted beneath the western edge of the North American continent. The subduction zone is a broad, eastward-dipping zone of contact between the upper



portion of the subducting slabs of the Gorda, Juan de Fuca, and Explorer plates and the over-riding North American Plate, as shown on Figure 1B.

On a local scale, the site is located on the eastern slope of the southern Willamette Basin, a large, broad, well-defined, north- to northeast-trending structure composed of a series of parallel synclines and anticlines separated by discontinuous, high-angle faults (Yeats, et al., 1996). Within the basin, a poorly defined network of relatively short, northeast- and northwest-trending faults have been mapped (Walker and MacLeod, 1991). The distribution of these faults relative to the site is shown on the Local Geologic Map, Figure 2B. Additional faults considered by the U.S. Geologic Survey (USGS) are shown on the Local Fault Map, Figure 3B. Information regarding the continuity and potential activity of these faults is lacking, due largely to the scale at which geologic mapping in the area has been conducted and the presence of thick, relatively young, basin-filling sediments that obscure underlying structural features. Active faults may be present within the basin, but clear stratigraphic and/or geophysical evidence regarding their location and extent is not presently available. Additional discussion regarding crustal faults is provided in the local crustal event section below.

Because of the proximity of the site to the CSZ and its location on the eastern margin of the southern Willamette Basin, three distinctly different sources of seismic activity contribute to the potential for the occurrence of damaging earthquakes. Each of these sources is generally considered to be capable of producing damaging earthquakes. Two of these sources are associated with the deep-seated tectonic activity related to the subduction zone; the third is associated with movement on the local, relatively shallow structures within and adjacent to the Southern Willamette Basin.

The general area occupied by the project site is underlain by Oligocene-age, fine-grained sandstones, siltstones, and shales of the Eugene Formation. These sedimentary strata strike north-northwest, dip 10 to 15° to the east, and approach 15,000 ft in thickness in the Eugene area. Near-surface exposures of the Eugene Formation typically weather to a clayey silt material that forms a soil-like cap over the bedrock. The depth to the soil-bedrock contact in the vicinity of the site is typically about 10 to 15 ft, depending on the degree of weathering.

## Seismicity

**General.** The geologic and seismologic information available for identifying the potential seismicity at the site is incomplete, and large uncertainties are associated with estimates of the probable magnitude, location, and frequency of occurrence of earthquakes that might affect the site. The available information indicates the potential seismic sources that may affect the site can be grouped into three independent categories: *subduction zone events* related to sudden slip between the upper surface of the Juan de Fuca plate and the lower surface of the North American plate, *subcrustal events* related to deformation and volume changes within the subducted mass of the Juan de Fuca plate, and *local crustal events* associated with movement on shallow, local faults within and adjacent to the Southern Willamette Basin. Based on our review of currently available information, we have developed generalized design earthquakes for each of these categories. The design earthquakes are characterized by three important properties: size, location relative to the subject site, and the peak horizontal bedrock accelerations produced by the event. In this study, size is expressed in Richter (local) magnitude ( $M_L$ ), surface wave magnitude ( $M_S$ ), Japanese Meteorological Association magnitude ( $M_{JMA}$ ), or moment magnitude ( $M_W$ ); location is expressed as

epicentral or focal distance, measured radially from the subject site in kilometers; and peak horizontal bedrock accelerations are expressed in gravities ( $1 \text{ g} = 32.2 \text{ ft/sec}^2 = 981 \text{ cm/sec}^2$ ).

**Subduction Zone Event.** There have not been any interplate earthquakes on the CSZ in the historical past; however, geological studies show that great megathrust earthquakes have occurred repeatedly in the past 7,000 years (Atwater, et al., 1995; Clague, et al., 1997; Goldfinger, 2003; and Kelsey, et al., 2005), and geodetic studies (Hyndman and Wang, 1995; Savage, et al., 2000) indicate rate of strain accumulation consistent with the assumption that the CSZ is locked beneath offshore northern California, Oregon, Washington, and southern British Columbia (Fluck, et al., 1997; Wang, et al., 2001). Numerous geological and geophysical studies suggest the CSZ may be segmented (Hughes and Carr, 1980; Weaver and Michaelson, 1985; Guffanti and Weaver, 1988; Goldfinger, 1994; Kelsey, et al., 1994; Mitchell, et al., 1994; Personius, 1995; Nelson and Personius, 1996; Witter, 1999), but the most recent studies suggest that for the last great earthquake, which likely occurred in 1700, most of the subduction zone ruptured in a single  $M_w$  9 earthquake (Satake, et al., 1996; Atwater and Hemphill-Haley, 1997; Clague, et al., 2000). Published estimates of the probable maximum size of subduction zone events range from moment magnitude  $M_w$  8.3 to  $>9.0$ . Numerous detailed studies of coastal subsidence, tsunamis, and turbidites yield a wide range of recurrence intervals, but the most complete records ( $>4,000$  years) indicate average intervals of 350 to 600 years between great earthquakes on the CSZ (Adams, 1990; Atwater and Hemphill-Haley, 1997; Witter, 1999; Clague, et al., 2000; Goldfinger, et al., 2003; Kelsey, et al., 2002; Kelsey, et al., 2005; Witter, et al., 2003). Tsunami inundation in buried marshes along the Washington and Oregon coast and stratigraphic evidence from the Cascadia margin support these recurrence intervals (Kelsey, et al., 2005, and Goldfinger, 2003).

The USGS probabilistic analysis assumes four potential locations for the eastern edge of the earthquake rupture zone as shown in Figure 4B. The new 2008 USGS mapping effort indicates two rupture scenarios are assumed to represent these megathrust events: 1)  $M_{9\pm 0.2}$  events that rupture the entire CSZ every 500 years and 2)  $M_{8.0}$  to  $8.7$  events with rupture zones that occur on segments of the CSZ and over the entire length of the CSZ during a period of about 500 years (Petersen, et al., 2008). The assumed distribution of earthquakes is shown on Figure 5B (Petersen, et al., 2008). This distribution assumes the larger  $M_{9.0}$  earthquakes likely occur more often than the smaller segmented ruptures. Therefore, for our deterministic analysis, we have chosen to represent the subduction zone event by a design earthquake of  $M_w$  9.0 at a focal depth of 15 km and an epicentral distance of 80 km. This corresponds to a sudden rupture of the whole length of the Juan de Fuca-North American plate interface with an assumed rupture zone due west of Eugene. Based on an average of the attenuation relationships published by Youngs, et al. (1997), Atkinson and Boore (2003), and Gregor, et al. (2002), a subduction zone earthquake of this size and location would result in a peak horizontal bedrock acceleration of approximately 0.15 g at the site.

**Subcrustal Event.** There is no historic earthquake record of subcrustal, intraslab earthquakes in Oregon. Although both the Puget Sound and northern California region have experienced many of these earthquakes in historic times, Wong (2005) hypothesizes that due to subduction zone geometry, geophysical conditions and local geology, Oregon may not be subject to intraslab earthquakes. In the Puget Sound area, these moderate to large earthquakes are deep (40 to 60 km) and over 200 km from the deformation front of the subduction zone. Offshore, along the northern California coast, the earthquakes are shallower (up to 40 km) and located along the deformation front. Estimates of the probable size, location, and frequency of subcrustal events in Oregon are generally based on comparisons of the CSZ

with active convergent plate margins in other parts of the world and on the historical seismic record for the region surrounding Puget Sound, where significant events known to have occurred within the subducting Juan de Fuca plate have been recorded. Published estimates of the probable maximum size of these events range from moment magnitude  $M_w$  7.0 to 7.5. The 1949, 1965, and 2001 documented subcrustal earthquakes in the Puget Sound area correspond to  $M_w$  7.1, 6.5, and 6.8, respectively. Published information regarding the location and geometry of the subducting zone indicates that a focal depth of 50 km is probable (Weaver and Shedlock, 1989). We have chosen to represent the subcrustal event by a design earthquake of magnitude  $M_w$  7.0 at a focal depth of 50 km and an epicentral distance of 20 km. This choice is based on a deterministic estimate of the capability of the source region rather than on a probabilistic analysis of a historical record of events of this type. Based on the attenuation relationships published by Youngs, et al. (1997) and Atkinson and Boore (1997), a subcrustal earthquake of this size and location would result in a peak horizontal bedrock acceleration of approximately 0.26 g at the site.

**Local Crustal Event.** Sudden crustal movements along relatively shallow, local faults in the Willamette Basin, although rare, have been responsible for local crustal earthquakes. The precise relationship between specific earthquakes and individual faults is not well understood, since few of the faults in the area are expressed at the ground surface, and the foci of the observed earthquakes have not been located with precision. The history of local seismic activity is commonly used as a basis for determining the size and frequency to be expected of local crustal events. Although the historical record of local earthquakes is relatively short (the earliest reported seismic event in the area occurred in 1920), it can serve as a guide for estimating the potential for seismic activity in the area.

Based on fault mapping conducted by the USGS (Personius, et al., 2003), the Upper Willamette River Fault Zone is the closest mapped group of crustal faults to the site, and is located about 40 km from the site. The USGS identifies the Upper Willamette River Fault Zone as a Class B structure, which is not considered to be an active, contributing source in their probabilistic seismic hazard analysis (PSHA). Based on our review of the USGS deaggregations (USGS, 2002), the local crustal hazard at the site is controlled by gridded seismicity on an unknown fault in the project area. For our evaluation, we have assumed the gridded seismicity occurs on a fault located 10 km from the site and having a characteristic earthquake magnitude of  $M_w$  6.0. A crustal earthquake of this size and location would result in a peak horizontal bedrock acceleration of approximately 0.17 g at the site based on an average of the NGA ground motion relations published by Boore and Atkinson (2008), Campbell and Bozorgnia (2008), and Chiou and Youngs (2008).

**Other Seismic Hazards.** Based on the proximity of the nearest mapped fault, the risk of ground rupture at the site is absent, unless occurring on a previously unknown fault. Based on the subsurface conditions disclosed by borings completed in the project area, it is our opinion that the risk of liquefaction and liquefaction-induced lateral spreading, settlement, and subsidence at the site is very low. Based on the location of the site, the risk of damage by tsunamis and/or seiches is absent.

### **Summary of Deterministic Earthquake Parameters**

In summary, three distinctly different types of earthquakes affect seismicity in the project area. Deterministic evaluation of the earthquake sources using recently published attenuation ground motion relations provide estimates of ground response for each individual earthquake type. These deterministic estimates are not associated with a relative hazard level or probability of occurrence like probabilistic

estimates, but simply provide an estimate of the ground motion parameters for each type of fault at a given distance from the site. The parameters for each deterministic estimate are summarized in the following table. These deterministic parameters are provided as required by the OSSC, but are not intended for design purposes.

Earthquake Source	Attenuation Relationships for Target Spectra	Magnitude, $M_w$	Epicentral Distance, km	Focal Depth, km	Peak Bedrock Acceleration, g	Average Peak Bedrock Acceleration, g
Subduction Zone	Youngs, et al., 1997	9.0	80	15	0.16	0.15
	Atkinson and Boore, 2003	9.0	80	15	0.07	
	Gregor, et al., 2002	9.0	80	15	0.22	
Subcrustal	Youngs, et al., 1997	7.0	20	50	0.34	0.26
	Atkinson and Boore, 1997	7.0	20	NA	0.18	
Local Crustal	Campbell and Bozorgnia, 2008	6.0	10	NA	0.20	0.17
	Chiou and Youngs, 2008	6.0	10	NA	0.17	
	Boore and Atkinson, 2008	6.0	10	NA	0.14	

### Probabilistic Considerations

The probability of an earthquake of a specific magnitude occurring at a given location is commonly expressed by its return period, i.e., the average length of time between successive occurrences of an earthquake of that size or larger at that location. The return period of a design earthquake is calculated once a project design life and some measure of the acceptable risk that the design earthquake might occur or be exceeded are specified. These expected earthquake recurrences are expressed as a probability of exceedance during a given time period or design life. Historically, building codes have adopted an acceptable risk level by identifying ground acceleration values that meet or exceed a 10% probability of exceedance in 50 years, which corresponds to an earthquake with an expected recurrence interval of 475 years. The 2009 IBC develops a design spectrum by using two-thirds of the Maximum Considered Earthquake (MCE) ground motion. The MCE earthquake is generally defined as a probabilistic earthquake with a 2% probability of exceedance in 50 years (return period of about 2,500 years) except where subject to deterministic limitations (Leyendecker, et al., 2000). The change to a MCE was an effort to reduce the risk of building collapse in portions of the country where a 2,500-year recurrence interval earthquake is significantly larger than the previous code recurrence interval of 475 years. The IBC design response spectrum is two-thirds of the MCE ground motion, which adjusts the design spectrum to a more traditional “life safety” level, previously represented by the 475-year recurrence interval earthquake (Holmes, 2000). The intent of the IBC is to provide for a structural design that is capable of preventing collapse of a building subjected to 1.5 times the design acceleration response spectrum, which generally means that a structure designed and constructed in accordance with the design spectrum will not collapse during a MCE-level event.

The ground motion parameters for the 2010 OSSC (2009 IBC) were based on the 2002 USGS probabilistic mapping effort. The USGS mapping identifies the likelihood of movement for all identified seismic sources (i.e., local crustal, subcrustal, and subduction zone earthquakes) and probabilistically determines a single acceleration response spectrum curve. The IBC design methodology uses two spectral response coefficients,  $S_s$  and  $S_1$ , corresponding to periods of 0.2 and 1.0 second, to develop the design earthquake.

The  $S_s$  and  $S_1$  coefficients for the site located at the approximate latitude and longitude coordinates of 44.04°N and 123.07°W are 0.67 and 0.33 g, respectively.

### Estimated Site Response

The effect of a specific seismic event on the site is related to the type and thickness of soil overlying bedrock at the site and on the type and quantity of seismic energy delivered to the bedrock by the earthquake. Our investigation indicates the proposed additions will be founded on a relatively thin layer of soil over bedrock. Based on the subsurface conditions in the project area, we recommend defining the site as IBC Site Class C, or a very dense soil/soft rock site.

### Conclusions

The IBC design methodology uses two spectral response coefficients,  $S_s$  and  $S_1$ , corresponding to periods of 0.2 and 1.0 second, to develop the design earthquake. The  $S_s$  and  $S_1$  coefficients for the site are 0.67 and 0.33 g, respectively. The proposed building additions will be founded on shallow soil over bedrock. We recommend using the code-based, Site Class C spectral acceleration response spectrum for design of the additions.

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### References

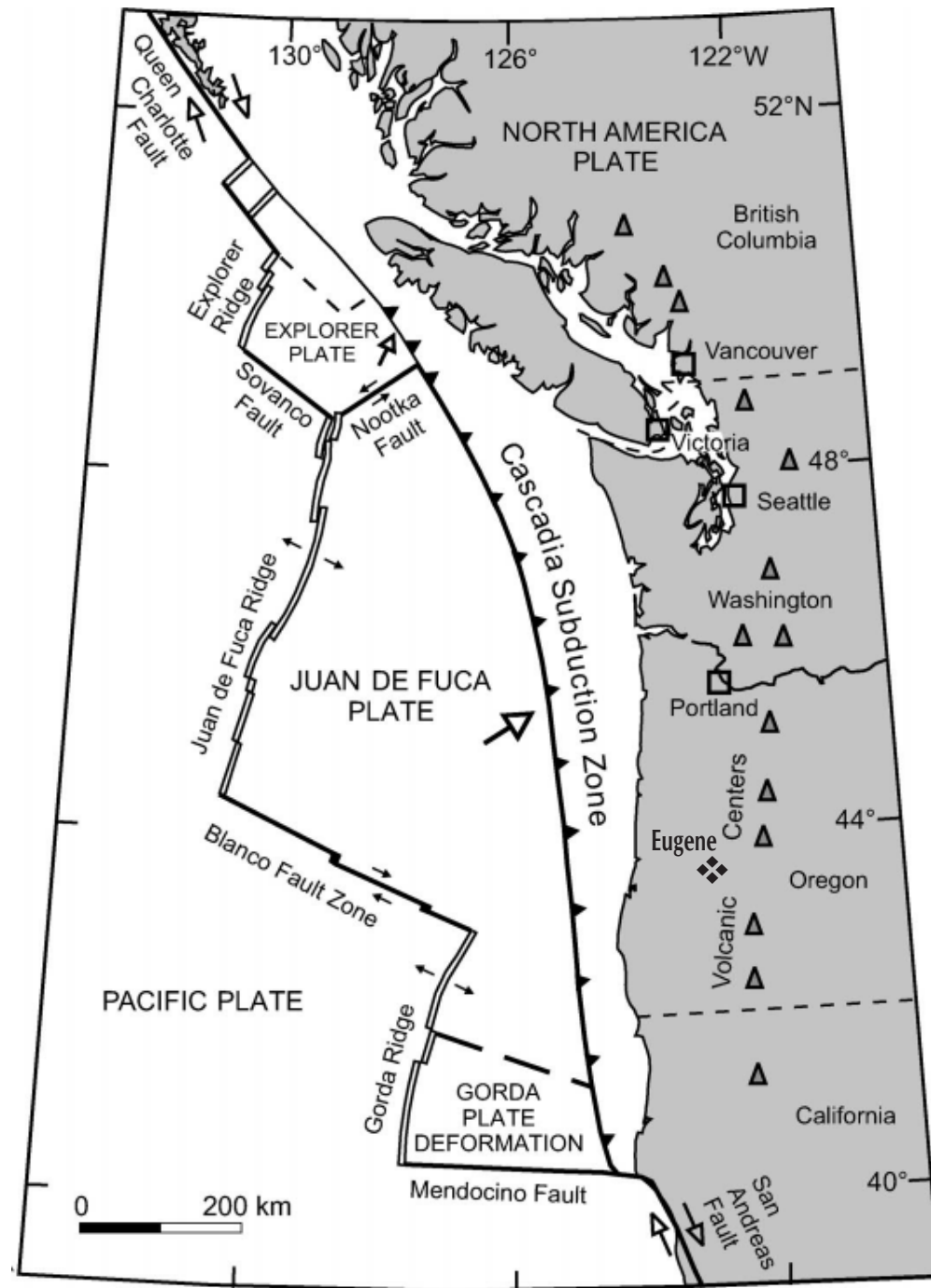
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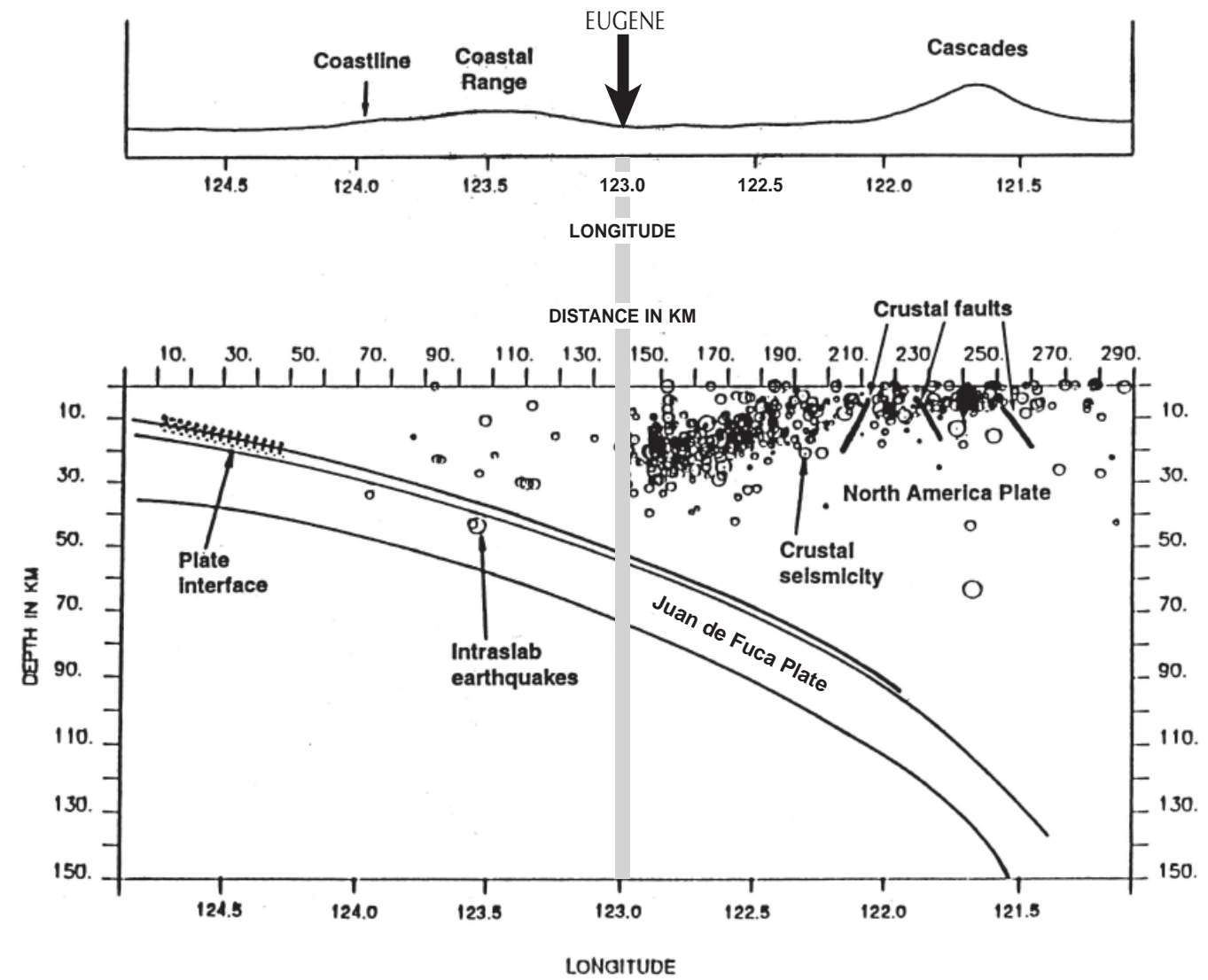
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A) TECTONIC MAP OF PACIFIC NORTHWEST, SHOWING ORIENTATION AND EXTENT OF CASCADIA SUBDUCTION ZONE (MODIFIED FROM DRAGERT AND OTHERS, 1994)

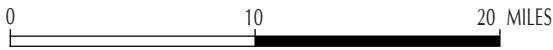


B) EAST-WEST CROSS-SECTION THROUGH WESTERN OREGON AT THE LATITUDE OF EUGENE, SHOWING THE SEISMIC SOURCES CONSIDERED IN THE SITE-SPECIFIC SEISMIC HAZARD STUDY (MODIFIED FROM GEOMATRIX, 1995)



## TECTONIC SETTING SUMMARY





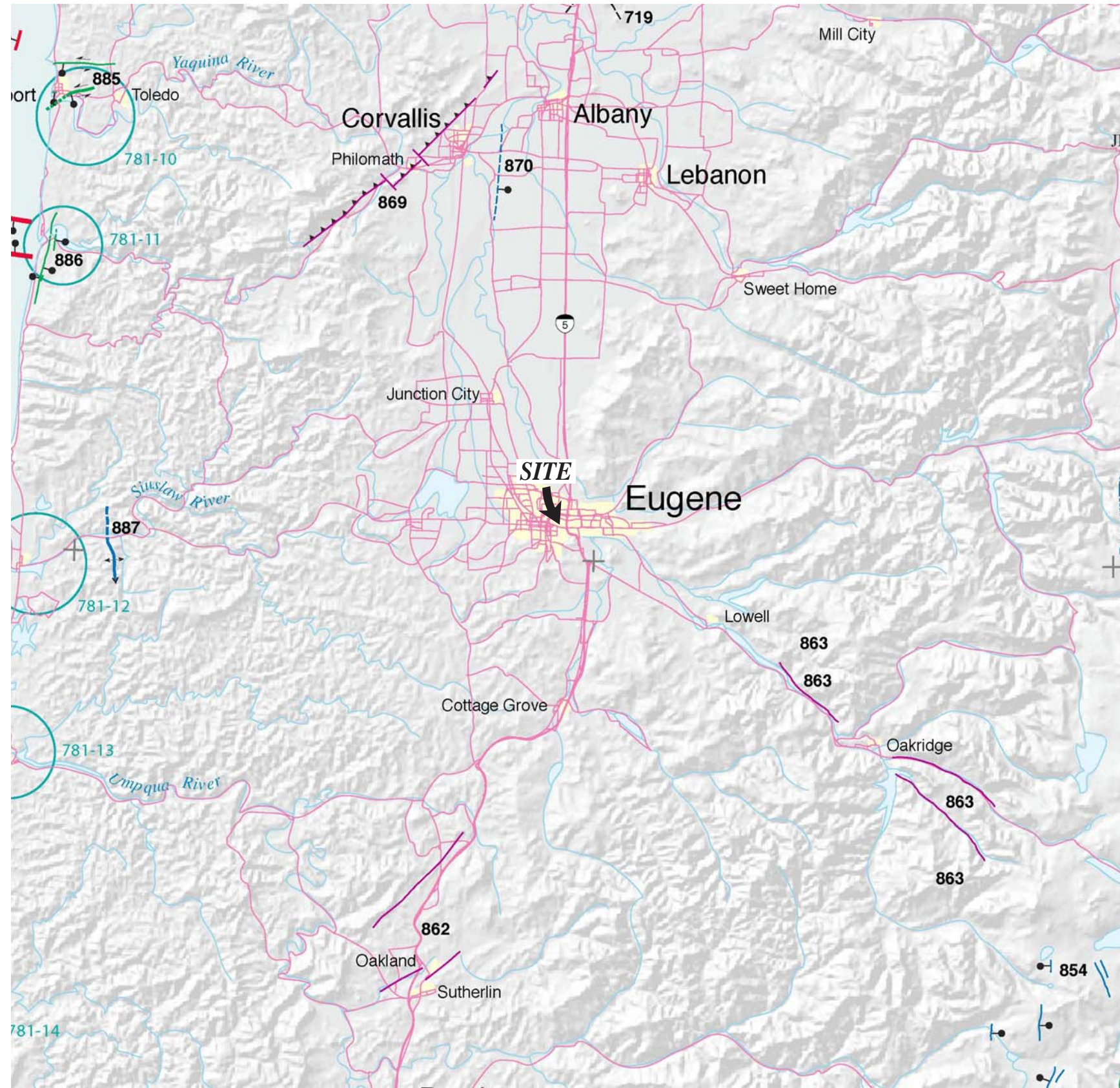
MODIFIED FROM:  
 WALKER, G.W., AND MACLEOD, N.S., 1991, GEOLOGIC MAP OF  
 OREGON: U.S. GEOLOGICAL SURVEY

 FAULT: DASHED WHERE APPROXIMATELY LOCATED; DOTTED WHERE  
 CONCEALED OR INFERRED; BAR AND BALL ON DOWNTHROWN SIDE



# LOCAL GEOLOGIC MAP



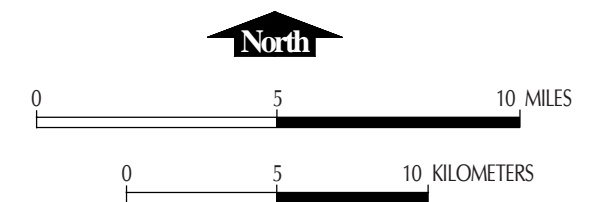


**MAP EXPLANATION**

- TIME OF MOST RECENT SURFACE RUPTURE**
  - Holocene (<10,000 years) or post last glaciation (<15,000 years; 15 ka); no historic ruptures in Oregon to date
  - Late Quaternary (<130,000; post penultimate glaciation)
  - Late and middle Quaternary (<750,000 years; 750 ka)
  - Quaternary, undifferentiated (<1,600,000 years; <1.6 Ma)
  - Class B structure (age or origin uncertain)
- SLIP RATE**
  - >5 mm/year
  - 1.0-5.0 mm/year
  - 0.2-1.0 mm/year
  - <0.2 mm/year
- TRACE**
  - Mostly continuous at map scale
  - Mostly discontinuous at map scale
  - Inferred or concealed
- STRUCTURE TYPE AND RELATED FEATURES**
  - Normal or high-angle reverse fault
  - Strike-slip fault
  - Thrust fault
  - Anticlinal fold
  - Synclinal fold
  - Monoclinical fold
  - Plunge direction of fold
  - Fault section marker
- DETAILED STUDY SITES**
  - Trench site
  - Subduction zone study site
- CULTURAL AND GEOGRAPHIC FEATURES**
  - Divided highway
  - Primary or secondary road
  - Permanent river or stream
  - Intermittent river or stream
  - Permanent or intermittent lake

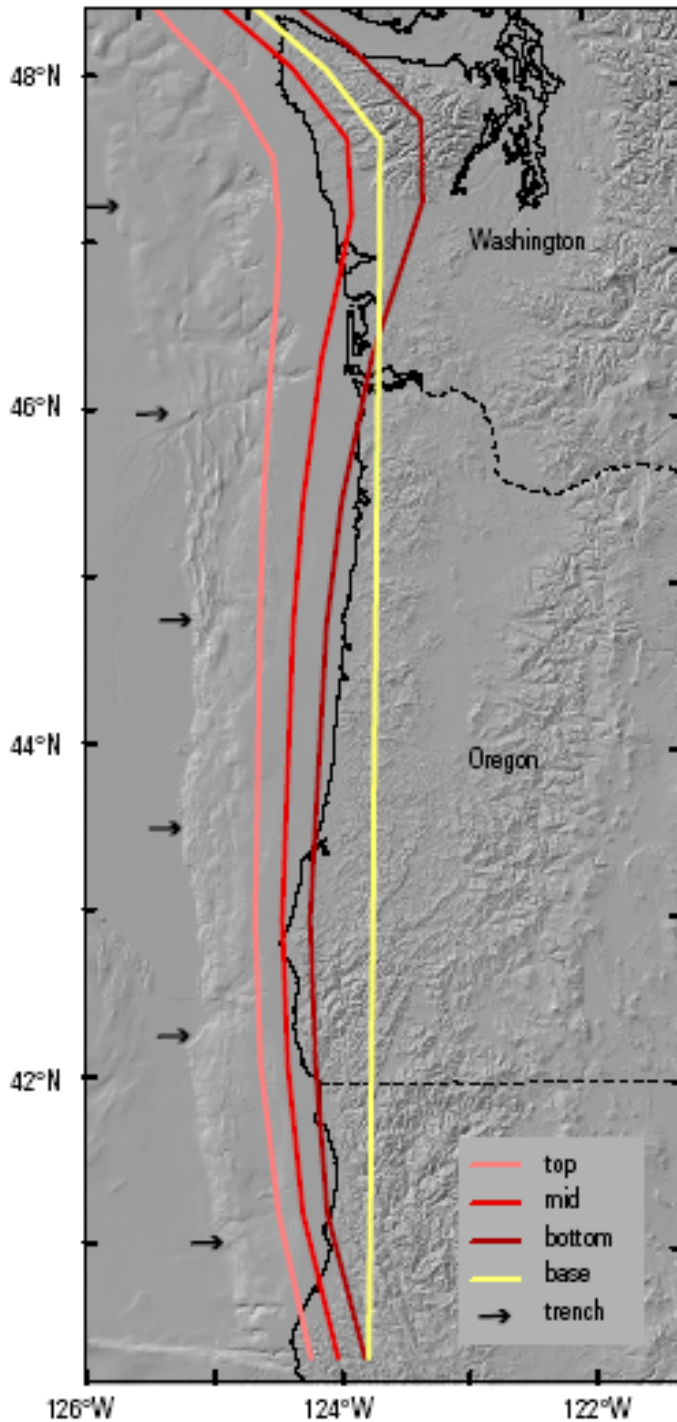
FAULT NUMBER	NAME OF STRUCTURE
862	UNNAMED FAULTS NEAR SUTHERLIN
863	UPPER WILLAMETTE RIVER FAULT ZONE
869	CORVALLIS FAULT ZONE
870	OWI CREEK FAULT
887	UNNAMED SIUSLAW RIVER ANTIDINE

FROM: PERSONIUS, S.F., AND OTHERS, 2003, MAP OF QUATERNARY FAULTS AND FOLDS IN OREGON, USGS OPEN FILE REPORT OFR-03-095.



**LOCAL FAULT MAP**





**Figure 21.** Location of the eastern edge of earthquake-rupture zones on the Cascadia subduction zone for the various models used in this study relative to the surficial expression of the trench: top, base of the elastic zone; mid, midpoint of the transition zone; bottom, base of the transition zones; base, base of the model that assumes ruptures extend to about 30-kilometers depth. Figure provided by Ray Weldon.

FROM: PETERSEN, MD, FRANKEL, AD, HARMSSEN, SC, AND OTHERS, 2008, DOCUMENTATION FOR THE 2008 UPDATE OF THE UNITED STATES NATIONAL SEISMIC HAZARD MAPS: US GEOLOGICAL SURVEY, OPEN FILE REPORT 2008-1128



ASSUMED RUPTURE LOCATIONS  
(CASCADIA SUBDUCTION ZONE)

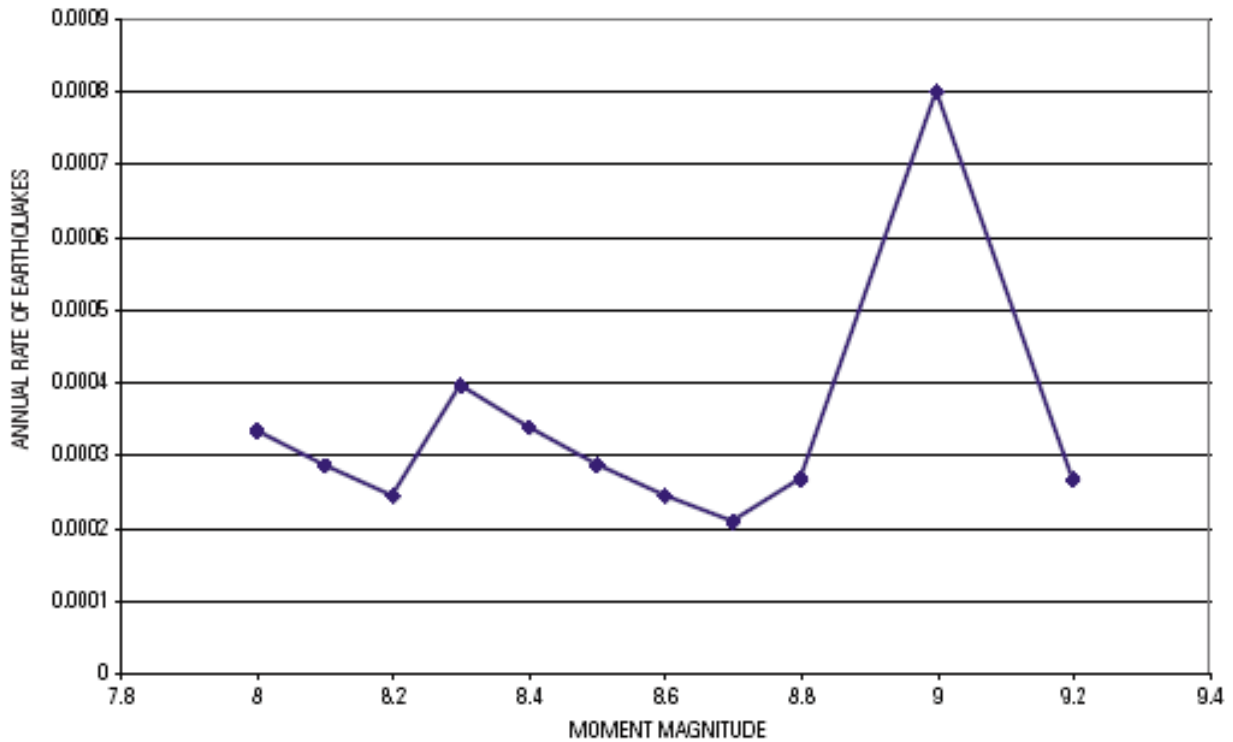


Figure 22. Magnitude-frequency distribution of the Cascadia subduction zone.

FROM: PETERSEN, M, FRANKEL, A, HARMSSEN, S, AND OTHERS, 2008, DOCUMENTATION FOR THE 2008 UPDATE OF THE UNITED STATES NATIONAL SEISMIC HAZARD MAPS: US GEOLOGICAL SURVEY, OPEN FILE REPORT 2008-1128



ASSUMED  
MAGNITUDE-FREQUENCY DISTRIBUTION  
(CASCADIA SUBDUCTION ZONE)

THIS AGREEMENT is made and entered into by and between **Lease Crutcher Lewis, LLC** (the "Contractor"), **550 SW 12<sup>th</sup> Avenue, Portland, Oregon 97205, phone: (503) 223-0500, fax: (503) 223-2874** and \_\_\_ (the "Subcontractor"), phone: (), fax: ().

The Contractor, for the full, complete, and faithful performance of this Subcontract, agrees to pay to the Subcontractor \_ **Dollars and no/100. (\$.00).**

In consideration therefore, the Subcontractor agrees as follows:

1. To furnish all labor, material, plant, equipment, services, and supervision to perform all work as described in Paragraph 3 hereof, for the construction of **Erb Memorial Union Renovation and Expansion** (the "Project") for **University of Oregon, Oregon State Board of Higher Education, 1276 University of Oregon, Eugene, Oregon 97403-1276, phone: 541.346.2280, attn: Janet Lobue**, (the "Owner"), in accordance with a Contract dated the 19<sup>th</sup> day of December 2011, between the Owner and the Contractor, and the General and Special Conditions of said Contract, and in accordance with the drawings and specifications and addenda for said construction by **SERA Architects, 338 NW 5th Ave, Portland, OR 97209. Phone: (503) 445-7372, Attn: Natasha Koiv** (the "Architect"), all of which documents in their entirety are hereinafter referred to as the Main Contract, and by this reference are incorporated herein.
2. To be bound to the Contractor by the terms of said Main Contract, and to assume toward the Contractor all the obligations and responsibilities that the Contractor assumes toward the Owner (including, without limitation, every part of and all the General Provisions, General and Special Conditions, Drawings, Specifications, and Addenda), in any way applicable to this Subcontract, and also to be bound by the Subcontract General Provisions and Subcontract Special Conditions attached hereto, which are hereby referred to and made part of this Subcontract.
3. To complete that part of the construction of the Project as described and/or required by the following:

**INCLUSIONS**

The Work shall include, but not be limited to, providing all labor, supervision, tools, materials, equipment, detailing and drafting, product data, engineering and shop drawing submittals, plant/shop fabrications, and transportation to provide \_ work complete in strict accordance with the Contract Documents, including but not limited to, the following:

**SCHEDULE AND MANPOWER GAURANTEE**

**Schedule of this work is of primary importance. Subcontractor shall provide manpower and commitment to meet schedule objectives determined but not limited to Project Master Schedules, Short Interval Construction Schedules, Coordination Meetings, and CM/GC personnel.**

**ACCOUNTING:**

**Total..... \$00**

4. To furnish 100% Performance and Payment Bonds if requested at any time by the Contractor. The cost of Bonds is not included in the Subcontract price. This cost will be added by Subcontract Change Order if furnishing bonds is requested by the Contractor. The Surety and the Performance and Payment Bond forms provided by the Subcontractor are subject to the Contractor's review and final approval. Surety companies executing Bonds must appear on the Department of the Treasury's most recent Federal Register, Fiscal Service Dept. Circular 570, as amended, with a dollar underwriting limitation equal to or greater than the individual bond penalties provided, and be duly licensed to transact business in the state where the Project is located. Further, said Surety companies executing bonds must be rated A-X or better, as listed in Best's most recent Property Casualty Key Rating Guide.

IN WITNESS WHEREOF, the Contractor and Subcontractor have executed this agreement this \_ day of

Subcontractor

Contractor

**Lease Crutcher Lewis, LLC**

By (Signature) \_\_\_\_\_

By (Signature) \_\_\_\_\_

Print Name \_\_\_\_\_

Print Name **Mark Butler, Project Manager**

Date \_\_\_\_\_

Date \_\_\_\_\_

License No. \_\_\_\_\_

Construction Contractor's Board No: 92919

**SUBCONTRACT GENERAL PROVISIONS****A. EXISTING CONDITIONS AND REQUIREMENTS**

Subcontractor acknowledges its responsibility, prior to entering into this Subcontract, to investigate and familiarize itself, without limitation, with all laws, ordinances, and regulations applicable to the work under this Subcontract; with the availability and adequacy of personnel, workmen, material, supplies, equipment, power, utilities, fuel, etc. and, with respect to each of the foregoing, the cost and suitability thereof; with the prevailing wage scales, union scales, benefits and working conditions, craft jurisdictions, craft area practices, existing labor agreements, including those signed by or on behalf of Contractor; with the Main Contract and content of purchase orders and arrangements for supplies and material to be furnished by Contractor for the use of Subcontractor; with all royalties, underground and site conditions, prevailing weather and climatological conditions and history; and with any other factor or factors which may affect Subcontractor's work under this Subcontract. Subcontractor hereby warrants and agrees that it has investigated all such matters and familiarized itself therewith to the extent that Subcontractor, in its sole discretion, deems necessary. Subcontractor further agrees that Contractor shall not be liable to Subcontractor on any claim for additional payment or additional time or any claim whatsoever if such claim directly or indirectly results from Subcontractor's failure to investigate and familiarize itself sufficiently with the conditions under which this Subcontract is to be performed, including the foregoing, but without restriction thereto, or from any misunderstanding thereof on the part of Subcontractor.

**B. SUBCONTRACTING**

Subcontractor agrees not to subcontract or sublet any portion of this work without the prior written consent of Contractor. Subcontractor shall promptly submit in writing a list of the work that Subcontractor proposes to subcontract and the name(s) of the proposed subcontractor(s). For the purposes of this agreement, the term Subcontractor shall include subcontractors, agents, and sub-tier subcontractors. Subcontractor further agrees to submit a list of suppliers furnishing materials for this project having a value of \$5,000.00 or more. Subcontractor and supplier list(s) shall be submitted before any payment is made to Subcontractor.

**C. SCHEDULE**

Subcontractor agrees to start work on the date directed by Contractor and to proceed in a diligent manner in accordance with the Construction Schedule established by Contractor, including any revisions thereto, and to complete the several portions and the whole of the work herein sublet at such times as will enable Contractor and other Subcontractors to comply with the Main Contract. TIME IS OF THE ESSENCE of this Subcontract. Subcontractor agrees to assume liability for and pay any damages assessed by Owner under the terms of the Main Contract for delays caused by the fault or negligence of Subcontractor. Subcontractor agrees to timely furnish to Contractor information as is necessary for Contractor to develop a comprehensive Project Progress Schedule, including information relative to lower tier subcontracts and purchase orders and delivery schedules for Subcontractor material. Subcontractor further agrees to provide information necessary to update and/or revise the Project Progress Schedule as may be required.

Subcontractor agrees to notify Contractor of its objection to, or inability to comply with, any directive, notification, order, schedule, or revision dealing with the time or performance and to do so within seven (7) days of Contractor's issuance of such documents. In the absence of written notice within seven (7) days, Subcontractor agrees that it will be bound by any and all orders, notices, directives, schedules or revisions which may be issued from time to time by Contractor to Subcontractor. If the Main Contract requires shorter time limits for notice, then the shorter time limits shall supersede the time limits set forth in this paragraph.

**D. PAYMENT**

Subcontractor agrees to submit to Contractor applications for progress payments at such times as will enable Contractor to make applications for progress payments from Owner. Contractor agrees to pay to Subcontractor 90% of Subcontractor's proportionate share of the progress payments allowed to Contractor on account of Subcontractor's work within ten (10) days after receipt by Contractor of progress payments from Owner. Subcontractor further agrees that Contractor shall have no obligation to pay Subcontractor for any work performed or materials or equipment furnished under this Subcontract until Contractor has been paid for such work, materials, and equipment by Owner; such payment by Owner shall be an express condition precedent to any obligation owing by Contractor to Subcontractor to pay for any work, materials, or equipment, including changed or extra work performed by Subcontractor under this Subcontract. Subcontractor agrees that in entering into this Agreement, Subcontractor is relying solely on the credit of Owner, not Contractor, and Subcontractor waives all right

to commence litigation for payment from Contractor until Contractor actually receives payment from Owner for Subcontractor's work.

Subcontractor agrees to pay its obligations, including taxes and labor fringe benefits, promptly as they become due. Subcontractor further agrees that, if any claim is made against either Subcontractor or Contractor arising out of the obligations incurred by Subcontractor in the performance of the Subcontract, Contractor may withhold from payments due, or to become due, to Subcontractor such amounts as are necessary to cover claims and any costs or expenses arising in connection with the legal settlement thereof, including attorney's fees. Contractor may, at its sole discretion, make joint payments to Subcontractor and its creditors at any time Contractor feels it is reasonably prudent to do so. Subcontractor further agrees that, if any lien is filed against the Project, Contractor shall have the right to settle said lien(s) directly and deduct the cost of the settlement from money due Subcontractor. Subcontractor shall promptly reimburse Contractor for any such settlement in the event the settlement exceeds the amount due Subcontractor.

Contractor reserves the right to withhold payments if required submittal literature, shop drawings, samples, manuals, as-built drawings, reports, insurance certificates, and similar documents have not been submitted and approved, or if Subcontractor is behind schedule, or for any material breach of Subcontractor's obligations under this Agreement.

Final payment shall be made within thirty (30) days after completion of the project and acceptance of Subcontractor's work and receipt by Contractor of final payment from Owner, whichever is later. In addition, Contractor shall have the right to require that Subcontractor provide written evidence satisfactory to Contractor that all obligations incurred by Subcontractor in the performance of its work have been paid and that Subcontractor provide lien releases before final payment is made.

No payment, including final payment, shall be evidence of satisfactory performance of the work by Subcontractor, either in whole or in part. No payment shall be construed as an acceptance of incomplete or defective work, and Subcontractor shall remain liable for complete performance of the requirements of its Subcontract.

#### **E. CHANGES**

Subcontractor agrees that Contractor may at any time order extra work or make changes by altering, adding to, or deducting from the work. The price and time for such extra work or changes in the work shall be adjusted in a manner that is consistent with the provisions in the Main Contract for ordering extra work or making changes in the work. No extra work or changes in the work shall be performed until authorized and directed in writing by Contractor, who shall have the right to disallow any claim made without such prior written authorization.

#### **F. CLAIMS**

Subcontractor agrees that, if it fails to give timely notice of a claim or dispute according to the General Provisions of the Main Contract (or if not covered, within seven [7] calendar days of a problem, dispute, claim or delay event), the claim shall be non-reimbursable and any schedule extension or adjustment requested by Subcontractor shall be deemed waived. This provision shall survive the completion or termination of this Subcontract. Subcontractor shall proceed diligently with its work pending final determination of any dispute or claim.

Any claim by Subcontractor for damages, extra compensation, and/or an extension of time resulting from delays, acceleration, interference, changes in the work, differing conditions, or any other contingency of any nature whatsoever shall be presented within the time limits set forth above, through Contractor to Owner, as provided in the contract documents, and in any event in such time as will enable Contractor to present such claims to Owner for payment or recognition. Subcontractor agrees to be bound by the procedures and forums specified in the Main Contract as Subcontractor's exclusive remedy and Subcontractor specifically agrees that it will not pursue any independent litigation against Contractor with respect to any claim.

Subcontractor shall have full responsibility for the preparation and presentation of any claim presented through Contractor to Owner and shall bear all expenses thereof, including attorney's fees. The only fund from which claims will be paid shall be created by Owner's payment to Contractor. Subcontractor shall not be entitled to receive any greater amount from Contractor than Contractor is entitled to and actually does receive from Owner on account of Subcontractor's claim, less any Contractor mark-ups or costs incurred by Contractor. Subcontractor shall accept such amount, if any, as fully discharging Contractor with respect to such claims.



**G. APPLICABLE TAXES AND OTHER OBLIGATIONS**

Subcontractor has the status of an employer as defined by the Industrial Insurance, Workman's Compensation and Unemployment Compensation Act, Social Security Act, and other similar acts of the Federal, State, and local government. Subcontractor shall withhold from its payrolls the applicable FICA taxes, worker's compensation contributions, unemployment compensation contributions, and withholding taxes, and pay the same, and Contractor shall in no way be liable as an employer to or on account of any of the employees of Subcontractor. In addition to the requirements of Paragraph D, before final payment is made to Subcontractor, it shall furnish evidence satisfactory to Contractor that it has conformed to all applicable laws, rules, and regulations, and Subcontractor hereby agrees to indemnify Contractor from any and all liability under such laws, rules, and regulations arising from the work performed under this Subcontract.

**H. GOVERNMENT REQUIREMENTS / INSPECTIONS**

Subcontractor shall comply with all statutes, ordinances, codes, laws, and other regulations and requirements of all authorities having jurisdiction over the work, or any part thereof; give notices to said authorities as required for the inspection of subcontractor's work and procure and pay for all permits, licenses, fees, tests, inspections, and privileges required in the prosecution of its work, except that the General Building Permit only will be obtained and paid for by others. Subcontractor shall request, coordinate, and attend all required inspections.

**I. MATERIALS AND EQUIPMENT**

All materials delivered by, on account of, or to Subcontractor and intended to be incorporated into the work shall become the property of Owner upon payment for same, but Subcontractor shall remove any surplus materials remaining at the completion of its work unless stipulated otherwise in the Main Contract. Subcontractor shall have the sole responsibility for the security and protection from loss or damage of its materials, tools, and equipment at the jobsite.

**J. UNIT PRICES**

In the event that this Subcontract contains unit price items, it is understood and agreed that any quantities mentioned are approximate only and are subject to change as required by the Main Contract or as directed by Contractor. Unit prices include the total amount due Subcontractor for the actual quantity, including but not limited to mark-up for overhead and profit.

**K. INDEMNIFICATION**

Subcontractor shall defend, indemnify, and hold Contractor and Owner harmless from any and all claims, demands, losses and liabilities to or by third parties arising from, resulting from, or connected with, services performed or to be performed under this Subcontract by Subcontractor or Subcontractor's agents, employees, subtier subcontractors, and suppliers to the fullest extent permitted by law and subject to the limitations provided below.

Subcontractor's duty to indemnify Contractor shall not apply to liability from damages arising out of bodily injury to persons or damages to the property caused by, or resulting from, the sole negligence of Owner, Contractor, or Contractor's agent or employees.

Subcontractor's duty to indemnify Contractor for liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of Contractor or Contractor's agents or employees shall apply only to the extent of negligence of Subcontractor or Subcontractor's agents, employees, and subtier subcontractors and suppliers.

Subcontractor specifically and expressly waives any immunity that may be granted it under the Washington State Industrial Act, Title 51, RCW (for Washington projects only). Further, the indemnification obligation under this Subcontract shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable to or for any third party under Worker's Compensation Acts, Disability Benefit Acts, or other employee benefits acts.

Subcontractor's duty to defend, indemnify, and hold Contractor harmless as to all claims, demands, losses, and liabilities shall include Contractor's personnel related costs, reasonable attorney fees, court costs, and all related expenses.

**SIGNATURES**

Contractor and Subcontractor hereby certify that these indemnification provisions were mutually negotiated and agreed to by the parties.

Subcontractor	Contractor
	<b>Lease Crutcher Lewis, LLC</b>
By (Signature) _____	By (Signature) _____
Print Name _____	Print Name <b>Mark Butler, Project Manager</b>
Date _____	Date _____
License No. _____	Construction Contractor's Board No: 92919

**L. INSURANCE**

Subcontractor shall procure and maintain in force during the performance of work under this Subcontract, or as otherwise required, worker's compensation insurance, employer's liability insurance as further described in the Subcontract Special Conditions, and such other insurance as may be required by Contractor or the Main Contract, all in accordance with the requirements of the Subcontract Special Conditions attached hereto.

Subcontractor's insurance policy shall include endorsements providing Contractor and Owner with at least thirty (30) days prior written notice of cancellation or renewal. Contractor will have the obligation to provide, or cause Owner to provide, only the fire and extended coverage insurance or builder's risk insurance that is specifically required by the Main Contract with Owner and will be responsible to Subcontractor only to the extent that any claim for loss or damage that Subcontractor may make is reimbursable to Contractor by such insurance. Subcontractor shall provide insurance against any and all other losses that may occur to the work, tools, equipment, facilities and stored materials, including stored material for which it has been paid, and shall make its own provision for reimbursement of such deductible amounts as may be applicable to Contractor or Owner's insurance. Subcontractor's liability insurance shall name Contractor and Owner as an additional insured party, along with any other parties required by Main Contract.

Subcontractor's liability insurance is primary as respects coverage afforded to the Contractor and Owner as additional insured's. Prior to starting work, Subcontractor shall furnish Contractor satisfactory evidence in the form of Certificates of Insurance issued by a duly authorized representative of the insurance carriers that all required insurance is in force. No action of Contractor shall be deemed to constitute a waiver of this requirement.

**M. TAKEOVER OF THE WORK / TERMINATION**

Subcontractor shall commence and at all times carry on, perform, and complete this Subcontract to the full and complete satisfaction of Contractor, Architect, and Owner. It is specifically understood and agreed that, in the event Contractor shall at any time be of the good faith opinion that Subcontractor is not proceeding with diligence and in such a manner as to satisfactorily complete the work within the time scheduled for its work and with the funds remaining in the contract, or if Subcontractor shall fail to immediately correct or re-execute defective work or replace unsatisfactory materials, then, and in that event, Contractor shall have the right, after giving two (2) working days notice, confirmed in writing, to take over the work, or any portion thereof, and to complete, correct, or replace the same at the expense of Subcontractor and terminate this Subcontract without prejudice to Contractor's other rights or remedies for any loss or damages sustained. If such action by the Contractor is necessary, Subcontractor shall be in default of this Subcontract. In case of default by Subcontractor, and the completion of the work by Contractor, Contractor shall be entitled to use Subcontractor's tools, equipment, and plant without cost, liability for depreciation or damage, and without prejudice to Contractor's other rights or remedies for any damage or loss sustained by reason of Subcontractor's default. Any previous demands made on Subcontractor, not followed by a takeover and termination, shall not be deemed a waiver for Contractor's right to do so.

In addition to the grounds for termination set forth in this paragraph, the termination for cause language and/or default language from the Main Contract shall apply in the event of a Subcontractor's unacceptable performance. In addition, it is agreed that Subcontractor's inability to perform administratively, i.e., inability to properly respond to change directives, supply required engineering of submittals, provide current insurance certificates, provide proof of current and valid Contractor registration, provide performance and payment bonds, promptly respond to directives and inquiries, or other demonstration of

an inability to professionally conduct business shall be grounds for termination upon two (2) days written notice. In addition, if Subcontractor is insolvent, bankrupt, or otherwise unable to deal with normal costs associated with its work, it shall be deemed immediately in default and shall be terminated.

**N. CLEAN UP**

Subcontractor shall daily clean up and dispose of, off-site, all refuse and debris caused by or resulting from Subcontractor's operations during the progress of its work, and, upon completion of its work, Subcontractor shall promptly remove all excess materials, tools, equipment, and plant which have been brought on the project by Subcontractor. In the event of the failure of Subcontractor to do any of the foregoing, Contractor, after giving twenty-four (24) hours notice to Subcontractor, may proceed to do so at the expense of Subcontractor.

**O. JURISDICTION**

This Subcontract shall be governed by the laws in force at the location of the Project unless otherwise specified in the Main Contract. At Contractor's sole option, the venue for all claims, controversies, or disputes arising out of or related to this Agreement or any breach thereof, whether by arbitration or litigation, shall be in Multnomah County, Oregon.

**P. BACKCHARGES BETWEEN CONTRACTOR AND SUBCONTRACTOR**

Backcharges for work beyond the requirements of this Subcontract, performed by either party for the benefit of the other party, shall be paid for on the basis of direct job cost plus a ten percent (10%) fee for combined overhead and profit. Such backcharges shall be resolved on a monthly basis. All time and materials work performed by Subcontractor must be agreed to in writing and substantiated by written authorization by Contractor. Labor time (including supervision) shall be submitted to Contractor the day the labor is performed. The signature of the project superintendent acknowledges labor performed and not necessarily agreement that the work is beyond the requirements of this Subcontract.

**Q. EMPLOYMENT REGULATIONS**

Subcontractor shall comply with all Federal, State, and local Equal Employment Opportunity, Affirmative Action and Non-Discrimination Laws, Regulations, Directives and Programs that are applicable to the work being performed under this Subcontract. Subcontractor will ensure that all facilities and company activities are non-segregated, except that separate or single-use toilets or necessary changing facilities may be provided to assure privacy between the sexes.

**R. SAFETY**

Contractor is committed to maintaining a safe work place. Subcontractor agrees to take necessary safety and other precautions, at all times, to prepare for and perform the work in a safe manner and to protect persons from illness or injury and property from damage arising out of the performance of the work. Subcontractor agrees and is responsible to ensure that all sub-tier subcontractors and suppliers adhere to the requirements of this Safety clause.

Subcontractor shall take all necessary safety precautions pertaining to its work and the conduct thereof, including but not limited to, compliance with all applicable laws, ordinances, rules, regulations and orders issued by a public authority, whether federal, state, local or other, the federal Occupational Safety and Health Act, the Washington Industrial Safety and Health Act (Washington projects only), and any safety measures requested by Contractor. Subcontractor shall, at all times, be responsible for providing a safe work site and be responsible for the safety of all personnel, equipment, and materials within Subcontractor's care, custody, or control. Subcontractor shall promptly provide Contractor with written notice of any safety hazard or violation found anywhere on or adjacent to the construction site.

- a. Subcontractor shall provide all safety equipment required to safely perform its work.
- b. Subcontractor shall develop a site specific safety plan (hereinafter "Safety Plan") that identifies all anticipated hazards that will most likely be encountered in all phases of the project and which identifies the specific means that will be used to address those hazards. The Safety Plan shall be submitted to Contractor prior to Subcontractor commencing work on the project site or at any off-site location not owned and under the exclusive control of Subcontractor. The Safety Plan shall comply in all respects with the Oregon Occupational Safety Hazard Act (OSHA) / Washington Industrial Safety and Health Act (WISHA) (Washington projects only) all regulations promulgated thereunder, and all other applicable federal, state, or local statutes, regulations,

ordinances, or rules. Subcontractor may not commence work on the site or at any off-site location subject to this paragraph until its Safety Plan has been submitted to Contractor.

- c. Subcontractor shall, prior to commencing work, have in place an Accident Prevention Program that complies in all respects with the Oregon Occupational Safety Hazard Act (OSHA) / Washington Industrial Safety and Health Act (WISHA) (Washington projects only) and all regulations promulgated thereunder. As part of its Accident Prevention Program, Subcontractor shall establish and enforce a disciplinary schedule for safety violations. The disciplinary schedule shall be enforceable regardless of who discovers the safety violation(s).
- d. Subcontractor agrees to fully cooperate with Contractor in the preparation and implementation of any job site safety plans or safety incentive or recognition programs for the Project. Subcontractor agrees to cooperate fully with Contractor in scheduling and ensuring attendance at safety meetings.

Subcontractor agrees to submit itself to and fully cooperate with periodic audits, assessments, reviews and/or training programs designed to ensure compliance with any applicable Safety Plan or Accident Prevention Program.

- e. Subcontractor shall submit to Contractor, on a weekly basis, copies of all documentation maintained by Subcontractor pertaining to safety, implementation of its Safety Plan and Accident Prevention Program, as well as all documentation relating to Subcontractor's compliance with any other job site safety plans applicable to its work.
- f. Subcontractor acknowledges the importance of compliance with the safety related programs and requirements of this subcontract and no action or inaction of contractor shall be deemed to cause a waiver of the requirements of this paragraph.

To the fullest extent permitted by law, Subcontractor agrees to defend, indemnify and hold Contractor and Owner harmless from all OSHA and WISHA claims, demands, proceedings, violations, penalties, assessments, or fines that arise out of or relate to Subcontractor's failure to comply with any safety related laws, ordinances, rules, regulations, orders, or its obligations hereunder. The indemnity obligation of subcontractor shall include all costs, expenses, and attorney fees reasonably incurred by contractor.

#### **S. WARRANTY**

Subcontractor guarantees and warrants its work to the extent required by the Main Contract and as stipulated by this Subcontract. At a minimum Subcontractor shall warranty all work performed under this Subcontract to be free from defects in material and workmanship for a minimum of one year from project completion. Subcontractor shall promptly accomplish all required corrections, replacements, and repair work at no cost to Contractor or Owner. The obligations of this paragraph shall survive the completion or termination of this Subcontract.

#### **T. AUTHORIZED REPRESENTATIVE / EMPLOYEES**

Subcontractor shall have a representative acceptable to Contractor and Owner on site at all times during performance of its work with authority and responsibility to make immediate decisions on its behalf. Subcontractor's representative shall attend scheduled job meetings and other meetings as requested by Contractor and submit daily field reports, indicating manpower and work accomplished, in a form acceptable to Contractor.

Subcontractor agrees to promptly remove from the job any of its employees who are unsatisfactory to Contractor or Owner.

#### **U. MATERIAL HANDLING**

Subcontractor shall arrange, provide and pay for its own shipping, unloading, hoisting, handling, and distribution requirements unless herein specifically agreed otherwise. Subcontractor shall pay all costs associated with trucking permits, street closure permits, flagging, and traffic control required for delivery and handling of Subcontractor's material and equipment.

**V. HAZARDOUS SUBSTANCES**

Subcontractor shall comply with WAC 296-62-054 through WAC 296-62-05425 Hazard Communication Standard (**Washington projects only**) and all other applicable hazardous waste regulations under federal, state, or local laws. Subcontractor shall have on file with Contractor all Material Safety Data Sheets for any and all hazardous substances covered under the OR-OSHA statutes and WISHA statutes listed above or other applicable laws before commencing work. Subcontractor shall, prior to commencing work, inform the Project Superintendent of its intent to use any hazardous substance at the Project and shall continuously update the Project Superintendent of any new hazardous substances brought on site during construction. Failure to comply with this paragraph may result in fines and damages being assessed to the Subcontractor. Subcontractor shall indemnify and hold Contractor harmless for all costs and expenses, including attorneys fees, arising from the use or discharge of any hazardous substance by Subcontractor at or off the Project Site.

**W. AS-BUILTS**

Subcontractor shall continuously update a set of as-built drawings as the job progresses and provide final as-built drawings and operation and maintenance information when the work is substantially completed.

**X. CONFLICTS IN DOCUMENTS**

In case of conflict between the Main Contract and this Subcontract, the terms, provisions and conditions of this Subcontract shall prevail.

**Y. TRADE AGREEMENTS**

Subcontractor shall comply with all labor agreements applicable to Contractor insofar as they apply to workmen employed by the Subcontractor.

The terms and conditions of this Subcontract shall supersede those of any prior proposal or bid, including the quantities or amounts of material to be furnished. Titles of paragraphs contained herein are for convenience only and are not necessarily a precise definition, nor do paragraphs necessarily provide all information indicated by title.

**SUBCONTRACT SPECIAL CONDITIONS**

The following Subcontract Special Conditions shall supplement and, where applicable, take precedence over the Main Contract Provisions and the Subcontract General Provisions. However, nothing in these Subcontract Special Conditions shall act to waive the provisions and requirements of Paragraph 2 of the Subcontract Agreement, insofar as they are otherwise applicable to the Subcontract.

**1. INSURANCE**

## 1.1. Subcontractor's Liability Insurance

1.1.1. Subcontractor shall purchase and maintain such insurance as will protect it from the claims set forth below which may arise out of or result from Subcontractor's operations under this agreement whether such operations be by itself or by any sub-Subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable:

- a. Claims under workers' compensation, disability benefit and other similar employee benefit acts, which are applicable to the work to be performed.
- b. Claims for damages because of bodily injury, occupational sickness or disease, or death of its employees under any applicable employer's liability law.
- c. Claims for damages because of bodily injury or death of any person other than its employees.
- d. Claims for damages insured by usual personal injury liability coverage.
- e. Claims for damages because of injury to or destruction of tangible property, including loss of use therefrom.
- f. Claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle.

## 1.1.2. Coverage Forms

- a. Subcontractor's General Liability insurance shall be written on an industry standard Commercial General Liability Occurrence form (CG 00 01) and shall include the following coverage extensions: Stop Gap Liability and Per Project Aggregate (CG 25 03).

In addition, **Lease Crutcher Lewis, LLC, The University of Oregon, The State of Oregon, its departments, divisions, officers and employees** shall be named as additional insureds (form CG 20 10) with respect to work performed by or for the Subcontractor on behalf of the Contractor.

Subcontractor's general liability insurance shall be primary as respects Contractor and Owner, and any other insurance maintained by Contractor or Owner shall be excess and not contributing insurance with Subcontractor's insurance.

Subcontractor shall maintain completed operations liability insurance for a period of twenty-four months following completion of Subcontractor's work.

- b. Subcontractor's Auto Liability insurance shall be written on an industry standard Business Auto Liability policy form (CA 00 01).
- c. Subcontractor's Workers' Compensation insurance shall be written on an industry standard Workers' Compensation and Employer's Liability policy form (WC 00 00 00), where applicable.

In the State of Washington, Subcontractor shall secure its liability for industrial injury to its employees in accordance with the provisions of Title 51 of the Revised Code of Washington. Any subcontractor or sub-Subcontractor or employer qualified as a self-insurer in accordance with Chapter 51.14 of the Revised Code of Washington shall so certify by a letter signed by a corporate officer setting forth the limits of any policy of excess insurance covering their employees. Subcontractor shall be responsible for confirming compliance of all sub-Subcontractors with this provision.

- d. All workers' compensation insurance companies shall have a Best's rating of "A-VII" or better.

- 1.1.3. Subcontractor's Liability insurance, as required by subparagraphs 1.1.1 and 1.1.2 shall be written for not less than the following limits of liability.
- a. Worker's Compensation
    - Statutory Bodily Injury by Accident or Disease
  - b. Employer's Liability
    - \$1,000,000 Bodily Injury by Accident - Each Accident
    - \$1,000,000 Bodily Injury by Disease - Policy Limit
    - \$1,000,000 Bodily Injury by Disease - Each Employee
  - c. General Liability - Bodily Injury, Personal Injury, and Property Damage
    - \$2,000,000 General Aggregate
    - \$2,000,000 Products and Completed Operations Aggregate
    - \$1,000,000 Personal Injury
    - \$1,000,000 Each Occurrence
    - Stop Gap Liability
      - \$1,000,000 Each Accident
      - \$1,000,000 Disease - Policy Limit
      - \$1,000,000 Disease - Each Employee
  - d. Automobile Liability
    - \$1,000,000 Bodily Injury and Property Damage - Per Accident
  - e. Subcontractor shall provide an umbrella policy in excess of \$3,000,000.
- 1.1.4. Certificates of Insurance evidencing the above coverages shall be filed with Contractor within five (5) working days of award of Subcontract and prior to commencement of the work. Such certificates shall show that Contractor and Owner have been named as additional insureds on the general liability policy (and excess liability policy, if any), and that such policies provide primary coverage with respect to Contractor and Owner. In addition, such certificates shall provide Contractor with 45 days notice in case of cancellation or non-renewal, except 10 days for nonpayment of premium.
- 1.2. Property Insurance
- 1.2.1. Contractor shall have the obligation to provide, or cause Owner to provide, only fire and extended coverage insurance or builder's risk insurance that is specifically required by the Main Contract with Owner and will be responsible to Subcontractor only to the extent that any claim for loss or damage that Subcontractor may make is reimbursable to Contractor by such insurance.
  - 1.2.2. Subcontractor shall provide insurance against any and all other losses that may occur to the work, tools, equipment, facilities, and stored materials, including stored materials for which it has been paid, and shall make its own provision for reimbursement of such deductible amounts as may be applicable to Contractor or Owner's insurance.
  - 1.2.3. Coverage Forms
    - Subcontractor's Equipment insurance shall provide coverage for physical damage to Subcontractor's owned, leased, rented, or borrowed equipment used on the jobsite, including continuing rental charges. Subcontractor shall waive all rights against Contractor and Owner for damages covered by such insurance.
  - 1.2.4. All Property insurance companies shall have a Best's rating of "A-VII" or better.
  - 1.2.5. Certificates of Insurance evidencing the above coverage shall be filed with Contractor within five (5) working days of award of Subcontract and prior to commencement of the work. Such certificates shall indicate that a waiver of subrogation provision in favor of Contractor and Owner is included in Subcontractor's equipment insurance policy.

**2. SUBMITTALS**

- a. Subcontractor shall submit within 15 days of award of Subcontract:
  1. One reproducible and 7 blueline copies of shop drawings for approval. Reproducible will be returned to Subcontractor with approval and/or corrections noted. Correct and resubmit shop drawings on same basis if required.
  2. 6 copies of catalog data, brochures, material schedules, etc.
  3. 3 each samples and/or mock ups.
- b. All submittals shall be accompanied by a Letter of Transmittal. Any proposed modification to the Contract Documents must be specifically described in the Letter of Transmittal and conspicuously called out on the Shop Drawings.
- c. Approval of submittals shall not relieve Subcontractor from full compliance with the Main Contract.
- d. Any damages incurred because of improper or untimely submittals will be for Subcontractor's account.

**3. PROGRESS PAYMENTS**

Subcontractor's Progress Payment Requests must be received at Contractor's office by the 25th day of each month to receive consideration. Progress Payment requests must include a certification from Subcontractor stating that its subcontractors, suppliers and all others have been paid for their work on the project through Subcontractor's previous month's Payment Request. **Payment requests shall be submitted on Subcontractor's Application for Payment forms provided by Contractor.**

Prior to Final Payment, Subcontractor shall certify in writing that it has no claims (other than retention) against Owner, Architect or Contractor in connection with this project.

**4. CONTRACT PLANS AND SPECIFICATIONS**

The Main Contract Plans and Specifications, Alternates, and/or other Documents are identified in Exhibit "B" dated **December 23, 2013**, all of which, by this reference, are incorporated herein.

**5. OVERTIME AND/OR SHIFT WORK**

If overtime and/or shift work is required to meet project schedule requirements, all costs associated with such work shall be included in the Subcontract price and made clear to Contractor at the time of Subcontract execution so that provisions can be made to accommodate such operations. In the event that Contractor directs additional overtime or shift work (solely at Contractor's discretion and not due to Subcontractor's failure to meet the project schedule), additional compensation shall be limited to the wage premium costs (including applicable benefits).

**6. DESIGN/BUILD REQUIREMENTS**

Subcontractor agrees that any design consultation and/or services that are provided as a part of this Subcontract shall be provided at no additional cost to Contractor, Architect or Owner. Subcontractor further agrees that any design provided will comply with all applicable laws, ordinances, codes, and regulations..

**7. OWNER'S OCCUPANCY OF BUILDING**

Subcontractor understands that the Owner will be occupying the existing adjacent Buildings including Streisinger Hall, Deschutes Hall, Huestis Hall, Lorey Lokey Laboratiories, etc. and using existing parking and drive areas. Subcontractor will take necessary precautions to avoid impacting their ongoing operations. If an impact to their operations is unavoidable, Subcontractor shall first obtain approval from the Contractor prior to proceeding with the work.

**8. FEDERAL GOVERNMENT CONTRACTS**

N/A

**9. STATE, COUNTY AND CITY CONTRACTS**

**Statement of Prevailing Wage: Subcontract includes all labor costs for the project per Prevailing Wage Rates for Public Works Contracts in Oregon, Oregon Bureau of Labor and Industries (BOLI), dated July 1, 2013.**



**Affidavit of Wages Paid (Certified Payroll): Subcontractor shall submit two (2) copies of payroll certification with monthly payment applications.**

**10. PAYMENT FOR MATERIALS STORED OFF-SITE**

If Subcontractor is seeking payment for materials stored offsite, than the terms outlined in the attached Exhibit "F" shall apply.

**11. COST PROPOSALS**

From time to time, the Subcontractor will be requested to provide proposals for changes in the Work. The change proposals shall be submitted in a timely fashion as stated in each proposal request and shall be in the following format:

- a. Quantities of the various materials unit costs and totals;
- b. Units, unit costs and totals for labor;
- c. Equipment costs in breakdown form;
- d. Material quotes from vendors in breakdown form;
- e. Quotes from Sub-subcontractors (if applicable) in breakdown form.

Subcontractor change order mark-up shall be as follows:

Labor	15%
Equipment	10%
Materials	10%
Subtier subs	5%

**Note:** Mark-up includes overhead and profit, cost of insurance, bonds, general administration, supervision, superintendent, office personnel, travel, subsistence, small tools, safety, consumables, and other incidental expenses. No other secondary mark-ups will be considered or allowed under the terms of this agreement.

All deductive changes will use the same percentages for mark-ups.

**13. INTERPRETATION OF CONTRACT DOCUMENTS**

In the case of an inconsistency between plans and specifications or within either document not clarified by addendum, the better quality or greater quantity of work shall be provided.

If Subcontractor finds discrepancies in, or omissions from the Contract Documents, or if the Subcontractor is in doubt as to their meaning, the Subcontractor shall at once notify the Contractor.

# PREVAILING WAGE RATES

for

## Public Works Contracts in Oregon



**OREGON BUREAU OF LABOR AND INDUSTRIES**

**Brad Avakian  
Commissioner  
Bureau of Labor and Industries**

**Effective: July 1, 2013**

**BRAD AVAKIAN**  
COMMISSIONER



**CHRISTIE HAMMOND**  
DEPUTY COMMISSIONER

**BUREAU OF LABOR AND INDUSTRIES**

July 1, 2013

In January and July of each year, the Bureau of Labor and Industries publishes the prevailing wage rates that are required to be paid to workers on non-residential public works projects in the state of Oregon. Quarterly updates are published in April and October.

A separate publication, entitled “*Definitions of Covered Occupations for Public Works Contracts in Oregon*,” provides occupational definitions used to classify the duties performed on public works projects.

**These publications are available electronically on the bureau’s website at [www.oregon.gov/boli](http://www.oregon.gov/boli).** In order to contain costs and preserve limited budget resources, BOLI is no longer automatically mailing copies of these publications to contracting agencies, contractors, and other interested parties. Those on the agency’s mailing list will receive a postcard notification whenever the publications are amended in the future. One complimentary hard copy of each PWR publication is available upon request by emailing BOLI at [pwremail@boli.state.or.us](mailto:pwremail@boli.state.or.us) or calling 971-673-0838. Additional copies are available at cost, plus postage.

Also available on the bureau’s website is a link to the federal Davis-Bacon rates. This link is posted in order to assist contractors and public agencies in determining which rates to pay on projects in Oregon subject to BOTH the state PWR and federal Davis-Bacon Act. The higher of the wage rates must be paid on such projects.

Unless specifically exempted by state law, prevailing wage rates are the minimum wages that must be paid to all workers employed on all public works. These rates are determined using data collected from a statewide construction industry wage survey of occupations and crafts performing commercial building and heavy and highway construction in 14 geographic regions of the state.

ORS 279C.830 requires that the applicable wage rates be incorporated into all bid specifications for public works contracts subject to the PWR law. A statement incorporating the applicable prevailing wage rate publication and any amendments thereto or Davis-Bacon wage rate determination into the specifications *by reference* will satisfy these requirements. Such reference must include the title of the applicable wage rates publication or determination and the date of the publication or determination as well as the date of any applicable amendments. A provision that prevailing wage rates must be paid must also appear in the contract.

Generally, the rates in effect at the time the bid specifications are first advertised are those that apply for the duration of the project. There are some exceptions to this rule. For example, if during the bidding process, the prevailing wage rates change, the public agency has the option of amending the bid specifications to reflect such changes. If a Construction Manager/General Contractor (CM/GC) is used on the project, the rates in effect at the time the CM/GC contract becomes a public works contract are the applicable rates to be used for the duration of the project. (See OAR 839-025-0020 for more information.) Note that the applicable rates for purposes of compliance with the federal Davis-Bacon Act may be different than the applicable rates for purposes of compliance with Oregon’s prevailing wage rate laws. The effective federal rates will be those as determined under 29 CFR 1.6.

If you have any questions regarding application of the state PWR law or the applicable rates to be paid on any project, contact the bureau’s Prevailing Wage Coordinator in Portland at (971) 673-0839.

Brad Avakian  
Commissioner  
Bureau of Labor and Industries

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BOLI forms necessary to comply with ORS 279C.800 through ORS 279C.870 may be found in the back of this booklet. Contractors are encouraged to use and keep on file the forms provided as master copies for use on future prevailing wage rate projects.

**All of the information in this booklet can be accessed and printed from the Internet at: [www.oregon.gov/BOLI](http://www.oregon.gov/BOLI)**

Pursuant to ORS 279C.800 to ORS 279C.870, the prevailing wage rates contained in this booklet have been adopted for use on public works contracts in Oregon. Additional copies of this booklet are available at cost, plus postage.

# HOW TO LOOK UP A RATE

**1. When was the project first advertised for bid?**

For purposes of compliance with Oregon’s prevailing wage rate laws, the rates in effect at the time the bid specifications are first advertised are those that apply for the duration of the project. (See OAR 839-025-0020(6) for information about projects using a CM/GC.)

**2. What type of work is being performed by the employee?**

Using the booklet, [Definitions of Covered Occupations](#) find the definition that most closely matches the actual work being performed by the worker. If you have any questions about work classifications, contact BOLI at the number below.

**3. Where is the work being performed – what region?**

Find the occupation in the correct region pages associated with the county where the project construction is taking place.

**4. Is there a rate listed next to the classification?**

If so, use it. The prevailing wage rate is made up of an hourly base rate and an hourly fringe rate; it is the combination of these two amounts that must be paid to the worker.

**5. If the book directs you to “See Appendix,” go to the back of the book and use the rate listed in the Appendix pages.** It may include a group number and/or zone pay. Zone pay is added to the base rate.

**6. Apprentices** must be paid the full fringe rate in those regions where the appendix rate does not apply. However, if the book directs you to "See Appendix," and the worker is registered in a bona fide apprenticeship program, **you may contact BOLI at (971) 673-0839** for the applicable hourly fringe rate.

**7. If you still don’t know CALL BOLI at (971) 673-0839.**

For specific information or questions regarding the prevailing wage law, you may obtain a “Prevailing Wage Rate Laws” handbook by contacting the nearest Oregon Bureau of Labor and Industries office listed below. An order form is in the back of this booklet.

BOLI Office Locations		
Eugene	1400 Executive Parkway, Suite 200 Eugene, OR 97401	(541) 686-7623
Portland	800 NE Oregon St., #1045 Portland, OR 97232	(971) 673-0761
Salem	3865 Wolverine St. NE, Bldg. E-1 Salem, OR 97305	(503) 378-3292

# PUBLIC WORKS BONDS

**EVERY CONTRACTOR AND SUBCONTRACTOR** who works on public works projects subject to the prevailing wage rate (PWR) law is required to file a **\$30,000** "**PUBLIC WORKS BOND**" with the Construction Contractor's Board (CCB). (ORS 279C.836) This includes flagging and landscaping companies, temporary employment agencies, and sometimes sole proprietors.

- This bond is to be **USED EXCLUSIVELY FOR UNPAID WAGES** determined to be due by the Bureau of Labor and Industries (BOLI).
- The bond **MUST** be filed **BEFORE STARTING WORK** on a prevailing wage rate project.
- The bond is in effect **CONTINUOUSLY** (do not have to have one per project).
- **BEFORE PERMITTING A SUBCONTRACTOR TO START WORK** on a public works project, **CONTRACTORS MUST VERIFY** their subcontractors have either filed the bond, or have elected not to file a public works bond due to a bona fide exemption.
- A public works bond is in addition to any other required bond the contractor or subcontractor is required to obtain.

## Exemptions:

- Allowed for contractors that are certified disadvantaged, minority, women or emerging small business enterprises, for the first FOUR years of certification;
  - Exempt contractor must still file written verification of certification with the CCB, and give the CCB written notice that they elect not to file a bond.
- For projects with a total project cost of \$100,000 or less, a public works bond is not required. (Note this is the total project cost, not an individual contract amount.)
  - The Prime Contractor must give written notice to the public agency that they elect not to file a public works bond.
  - Subcontractors must give written notice to the prime contractor that they elect not to file a public works bond.
- Emergency projects, as defined in ORS 279A.010(f).

## ORS 279C.830(3) and (4) require:

That the **specifications** for every contract for public works shall contain a provision stating that the contractor and every subcontractor must have a public works bond filed with the CCB before starting work on the project, unless otherwise exempt.

**Every contract awarded** by a contracting agency shall contain a provision requiring the contractor:

- To have a public works bond filed with the CCB before starting work on the project, unless otherwise exempt;
- To include in every subcontract a provision requiring the subcontractor to have a public works bond filed with the CCB before starting work on the project unless otherwise exempt.

# PWR SURVEY WAGE RATE APPEAL PROCESS

- 1) Anyone wishing to challenge or appeal a survey rate determination should submit their request in writing to the commissioner.
- 2) The appeal should include:
  - a) a complete description of the “problem,” including the affected trade(s), and documentation or evidence (if available) supporting why the rate determination is incorrect
  - b) recommendations for how the rate could be more accurately determined.
- 3) The written appeal will be reviewed by the Wage and Hour Division which will recommend to the commissioner a course of action and proposed time frame for addressing the issue (such as a recommendation that further information be obtained, an investigation or study of the matter be conducted, a rate amendment or correction be issued, the next survey be modified, etc.).
- 4) The commissioner will review the division’s recommendation and either approve, disapprove or modify the recommendation. (The PWR Advisory Committee may be consulted in some matters as deemed appropriate by the commissioner.)
- 5) The requesting party will be notified of the commissioner’s decision.

## **PWR REQUIRED POSTINGS**

### **ALL CONTRACTORS AND SUBCONTRACTORS**

#### **PREVAILING WAGE RATES**

Each and every contractor and subcontractor engaged in work on a public works must post the applicable prevailing wage rates for that project in a conspicuous place at the work site so workers have ready access to the information. ORS 279C.840(4); OAR 839-025-0033(1).

#### **DETAILS OF FRINGE BENEFIT PROGRAMS**

When a contractor or subcontractor provides for or contributes to a health and welfare plan or a pension plan, or both, for the contractor or subcontractor's employees who are working on a public works project, the details of all fringe benefit plans or programs must be posted on the work site. The posting must include a description of the plan or plans, information about how and where claims can be made and where to obtain more information. The notice must be posted in a conspicuous place at the work site in the same location as the prevailing wage rates (see above). ORS 279C.840(5); OAR 839-025-0033(2)

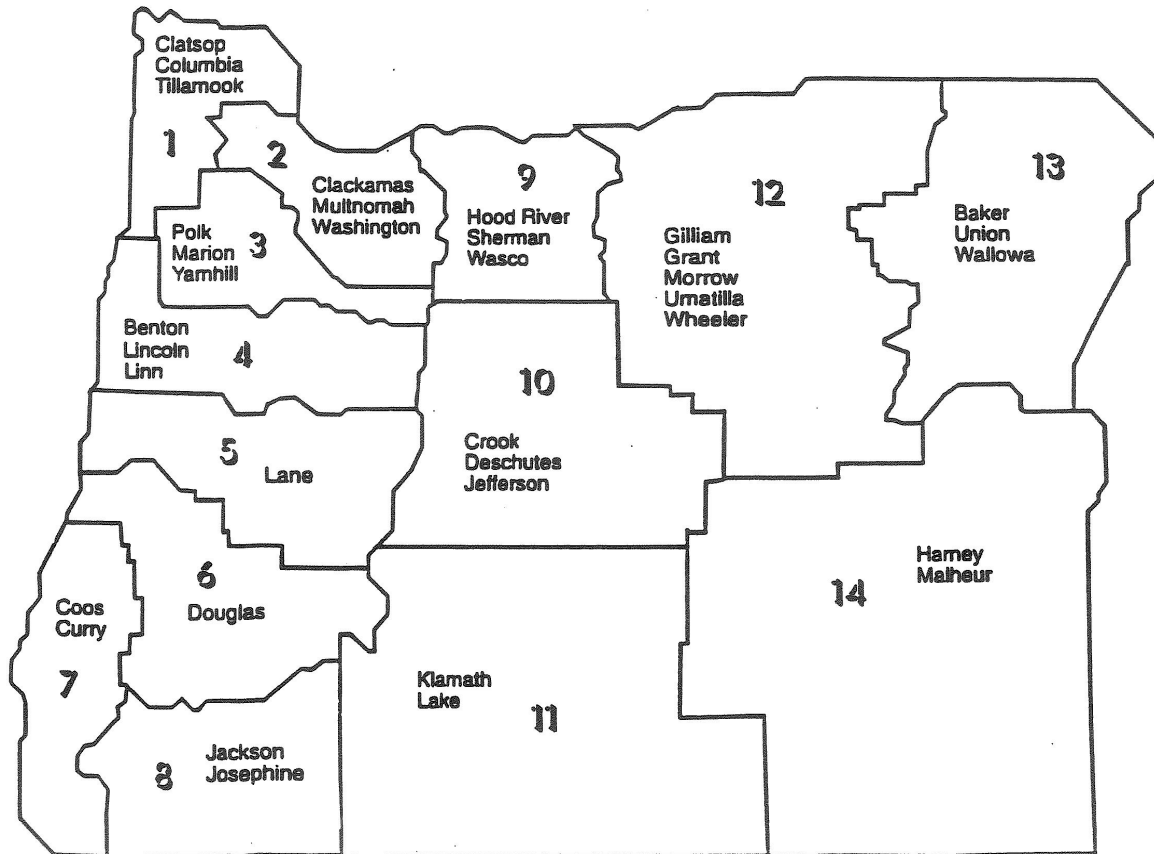
#### **WORK SCHEDULE**

Contractors and subcontractors must give workers the regular work schedule (days of the week and number of hours per day) in writing, before beginning work on the project. Contractors and subcontractors may provide the schedule at the time of hire, prior to starting work on the contract, or by posting the schedule in a location frequented by employees, along with the prevailing wage rate information and any fringe benefit information. If an employer fails to give written notice of the worker's schedule, the work schedule will be presumed to be a five-day schedule. The schedule may only be changed if the change is intended to be permanent and is not designed to evade the PWR overtime requirements. ORS 279C.540(2); OAR 839-025-0034.



# PREVAILING WAGE RATES OCCUPATIONS BY REGIONS

## PREVAILING WAGE RATE REGIONS



REGION #1  
Clatsop, Columbia and Tillamook Counties

Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Asbestos Worker/Insulator	See Appendix	See Appendix
Boilermaker	See Appendix	See Appendix
Bricklayer/Stonemason	See Appendix	See Appendix
Bridge and Highway Carpenter (See Carpenter Group 5)	See Appendix	See Appendix
Carpenter Group 1 & 2	See Appendix	See Appendix
Cement Mason	See Appendix	See Appendix
Diver	See Appendix	See Appendix
Divers' Tender	See Appendix	See Appendix
Dredger	See Appendix	See Appendix
Drywall, Lather, Acoustical Carpenter & Ceiling Installer	See Appendix	See Appendix
Drywall Taper (See Painter & Drywall Taper)	See Appendix	See Appendix
Electrician	See Appendix	See Appendix
Elevator Constructor, Installer and Mechanic	See Appendix	See Appendix
Fence Constructor (Non-metal)	\$23.44	\$9.10
Fence Erector (Metal)	\$20.61	\$4.79
Flagger	\$21.03	\$10.45
Glazier	See Appendix	See Appendix
Hazardous Materials Handler/Mechanic	See Appendix	See Appendix
Highway and Parking Striper	See Appendix	See Appendix
Ironworker	See Appendix	See Appendix
Laborer Group 1	\$24.25	\$10.01
Laborer Group 2	\$25.29	\$9.52
Laborer Group 3	\$22.35	\$11.30
Landscape Laborer/Technician	\$16.94	\$4.00
Limited Energy Electrician	\$26.51	\$8.63
Line Constructor	See Appendix	See Appendix
Marble Setter	See Appendix	See Appendix
Millwright Group 1 & 2 (See Carpenter Group 3 & 4)	See Appendix	See Appendix
Painter	\$21.52	\$7.13
Piledriver (See Carpenter Group 6)	See Appendix	See Appendix
Plasterer and Stucco Mason	\$25.27	\$13.61
Plumber/Pipefitter/Steamfitter	See Appendix	See Appendix
Power Equipment Operator Group 1	See Appendix	See Appendix
Power Equipment Operator Group 1A	See Appendix	See Appendix
Power Equipment Operator Group 1B	See Appendix	See Appendix
Power Equipment Operator Group 2	See Appendix	See Appendix
Power Equipment Operator Group 3	See Appendix	See Appendix
Power Equipment Operator Group 4	See Appendix	See Appendix
Power Equipment Operator Group 5	See Appendix	See Appendix
Power Equipment Operator Group 6	See Appendix	See Appendix

REGION # 1  
 Clatsop, Columbia and Tillamook Counties

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Roofer	See Appendix	See Appendix
Sheet Metal Worker	\$30.45	\$12.87
Soft Floor Layer	\$24.43	\$9.40
Sprinkler Fitter	See Appendix	See Appendix
Tender to Mason Trades (Brick and Stonemason, Mortar Mixer, Hod Carrier)	See Appendix	See Appendix
Tender to Plasterer and Stucco Mason	\$17.35	\$12.74
Testing, Adjusting, and Balancing (TAB) Technician	\$27.53	\$8.18
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$26.36	\$10.78
Tile, Terrazzo, and Marble Finisher	See Appendix	See Appendix
Truck Driver	\$19.80	\$6.11

REGION #2  
 Clackamas, Multnomah and Washington Counties

Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Asbestos Worker/Insulator	See Appendix	See Appendix
Boilermaker	\$30.97	\$16.16
Bricklayer/Stonemason	See Appendix	See Appendix
Bridge & Highway Carpenter (See Carpenter Group 5)	See Appendix	See Appendix
Carpenter Group 1 & 2	See Appendix	See Appendix
Cement Mason	See Appendix	See Appendix
Diver	See Appendix	See Appendix
Divers' Tender	See Appendix	See Appendix
Dredger	\$34.21	\$9.69
Drywall, Lather, Acoustical Carpenter & Ceiling Installer	See Appendix	See Appendix
Drywall Taper (See Painter & Drywall Taper)	See Appendix	See Appendix
Electrician	See Appendix	See Appendix
Elevator Constructor, Installer and Mechanic	See Appendix	See Appendix
Fence Constructor (Non-metal)	\$23.44	\$9.10
Fence Erector (Metal)	\$20.61	\$4.79
Flagger (See Laborer Group 3)	See Appendix	See Appendix
Glazier	See Appendix	See Appendix
Hazardous Materials Handler/Mechanic	\$18.03	\$5.96
Highway and Parking Striper	\$26.11	\$8.20
Ironworker	See Appendix	See Appendix
Laborer Group 1	See Appendix	See Appendix
Laborer Group 2	See Appendix	See Appendix
Laborer Group 3	See Appendix	See Appendix
Landscape Laborer/Technician	\$16.94	\$4.00
Limited Energy Electrician	See Appendix	See Appendix
Line Constructor	See Appendix	See Appendix
Marble Setter	See Appendix	See Appendix
Millwright Group 1 & 2	\$29.32	\$10.68
Painter	See Appendix	See Appendix
Piledriver (See Carpenter Group 6)	See Appendix	See Appendix
Plasterer and Stucco Mason	See Appendix	See Appendix
Plumber/Pipefitter/Steamfitter	See Appendix	See Appendix
Power Equipment Operator Group 1	See Appendix	See Appendix
Power Equipment Operator Group 1A	See Appendix	See Appendix
Power Equipment Operator Group 1B	See Appendix	See Appendix
Power Equipment Operator Group 2	See Appendix	See Appendix
Power Equipment Operator Group 3	See Appendix	See Appendix
Power Equipment Operator Group 4	See Appendix	See Appendix
Power Equipment Operator Group 5	See Appendix	See Appendix
Power Equipment Operator Group 6	See Appendix	See Appendix

REGION #2  
 Clackamas, Multnomah, and Washington Counties

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Roofer	See Appendix	See Appendix
Sheet Metal Worker	See Appendix	See Appendix
Soft Floor Layer	See Appendix	See Appendix
Sprinkler Fitter	See Appendix	See Appendix
Tenders to Mason Trades (Brick and Stonemason, Mortar Mixer, Hod Carrier)	See Appendix	See Appendix
Tender to Plasterer and Stucco Mason	\$17.35	\$12.74
Testing, Adjusting, and Balancing (TAB) Technician	\$27.53	\$8.18
Tile Setter/Terrazzo Worker: Hard Tile Setter	See Appendix	See Appendix
Tile, Terrazzo, and Marble Finisher	See Appendix	See Appendix
Truck Driver	\$19.80	\$6.11

REGION #3  
Marion, Polk and Yamhill Counties

Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Asbestos Worker/Insulator	See Appendix	See Appendix
Boilermaker	See Appendix	See Appendix
Bricklayer/Stonemason	See Appendix	See Appendix
Bridge and Highway Carpenter (See Carpenter Group 5)	See Appendix	See Appendix
Carpenter Group 1 & 2	See Appendix	See Appendix
Cement Mason	\$25.37	\$13.11
Diver	See Appendix	See Appendix
Divers' Tender	See Appendix	See Appendix
Dredger	See Appendix	See Appendix
Drywall, Lather, Acoustical Carpenter & Ceiling Installer	See Appendix	See Appendix
Drywall Taper (See Painter & Drywall Taper)	See Appendix	See Appendix
Electrician	See Appendix	See Appendix
Elevator Constructor, Installer and Mechanic	See Appendix	See Appendix
Fence Constructor (Non-metal)	\$23.44	\$9.10
Fence Erector (Metal)	\$20.61	\$4.79
Flagger	See Appendix	See Appendix
Glazier	See Appendix	See Appendix
Hazardous Materials Handler/Mechanic	\$18.03	\$5.96
Highway and Parking Striper	\$26.11	\$8.20
Ironworker	See Appendix	See Appendix
Laborer Group 1	\$24.25	\$10.01
Laborer Group 2	\$25.29	\$9.52
Laborer Group 3	\$22.35	\$11.30
Landscape Laborer/Technician	\$16.94	\$4.00
Limited Energy Electrician	See Appendix	See Appendix
Line Constructor	See Appendix	See Appendix
Marble Setter	\$28.26	\$6.64
Millwright Group 1 & 2	\$29.32	\$10.68
Painter	See Appendix	See Appendix
Piledriver (See Carpenter Group 6)	See Appendix	See Appendix
Plasterer and Stucco Mason	See Appendix	See Appendix
Plumber/Pipefitter/Steamfitter	See Appendix	See Appendix
Power Equipment Operator Group 1	See Appendix	See Appendix
Power Equipment Operator Group 1A	See Appendix	See Appendix
Power Equipment Operator Group 1B	See Appendix	See Appendix
Power Equipment Operator Group 2	See Appendix	See Appendix
Power Equipment Operator Group 3	See Appendix	See Appendix
Power Equipment Operator Group 4	See Appendix	See Appendix
Power Equipment Operator Group 5	See Appendix	See Appendix
Power Equipment Operator Group 6	See Appendix	See Appendix

REGION #3  
 Marion, Polk and Yamhill Counties

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Roofer	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Sheet Metal Worker	\$30.45	\$12.87
Soft Floor Layer	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Sprinkler Fitter	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Tender to Mason Trades (Brick and Stonemason, Mortar Mixer, Hod Carrier)	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Tender to Plasterer and Stucco Mason	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Testing, Adjusting, and Balancing (TAB) Technician	\$27.53	\$8.18
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$26.36	\$10.78
Tile, Terrazzo, and Marble Finisher	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Truck Driver	\$19.80	\$6.11

REGION #4

Benton, Lincoln and Linn Counties

Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Asbestos Worker/Insulator	See Appendix	See Appendix
Boilermaker	\$30.97	\$16.16
Bricklayer/Stonemason	See Appendix	See Appendix
Bridge and Highway Carpenter	See Appendix	See Appendix
Carpenter Group 1 & 2	See Appendix	See Appendix
Cement Mason	See Appendix	See Appendix
Diver	See Appendix	See Appendix
Divers' Tender	See Appendix	See Appendix
Dredger	\$34.21	\$9.69
Drywall, Lather, Acoustical Carpenter & Ceiling Installer	See Appendix	See Appendix
Drywall Taper (See Painter & Drywall Taper)	See Appendix	See Appendix
Electrician	See Appendix	See Appendix
Elevator Constructor, Installer and Mechanic	See Appendix	See Appendix
Fence Constructor (Non-metal)	\$23.44	\$9.10
Fence Erector (Metal)	\$20.61	\$4.79
Flagger (See Laborer Group 3)	See Appendix	See Appendix
Glazier	See Appendix	See Appendix
Hazardous Materials Handler/Mechanic	\$18.03	\$5.96
Highway and Parking Striper	\$26.11	\$8.20
Ironworker	See Appendix	See Appendix
Laborer Group 1	See Appendix	See Appendix
Laborer Group 2	See Appendix	See Appendix
Laborer Group 3	See Appendix	See Appendix
Landscape Laborer/Technician	\$16.94	\$4.00
Limited Energy Electrician	\$26.51	\$8.63
Line Constructor	See Appendix	See Appendix
Marble Setter	See Appendix	See Appendix
Millwright Group 1 & 2	\$29.32	\$10.68
Painter	\$21.52	\$7.13
Piledriver (See Carpenter Group 6)	See Appendix	See Appendix
Plasterer and Stucco Mason	See Appendix	See Appendix
Plumber/Pipefitter/Steamfitter	\$36.36	\$16.47
Power Equipment Operator Group 1	See Appendix	See Appendix
Power Equipment Operator Group 1A	See Appendix	See Appendix
Power Equipment Operator Group 1B	See Appendix	See Appendix
Power Equipment Operator Group 2	See Appendix	See Appendix
Power Equipment Operator Group 3	See Appendix	See Appendix
Power Equipment Operator Group 4	See Appendix	See Appendix
Power Equipment Operator Group 5	See Appendix	See Appendix
Power Equipment Operator Group 6	See Appendix	See Appendix



REGION #4

Benton, Lincoln and Linn Counties

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Roofer	See Appendix	See Appendix
Sheet Metal Worker	See Appendix	See Appendix
Soft Floor Layer	See Appendix	See Appendix
Sprinkler Fitter	\$29.78	\$12.38
Tenders to Mason Trades (Brick and Stonemason, Mortar Mixer, Hod Carrier)	See Appendix	See Appendix
Tender to Plasterer and Stucco Mason	\$17.35	\$12.74
Testing, Adjusting, and Balancing (TAB) Technician	\$27.53	\$8.18
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$26.36	\$10.78
Tile, Terrazzo, and Marble Finisher	See Appendix	See Appendix
Truck Driver	\$19.80	\$6.11

REGION #5  
Lane County

Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Asbestos Worker/Insulator	See Appendix	See Appendix
Boilermaker	See Appendix	See Appendix
Bricklayer/Stonemason	See Appendix	See Appendix
Bridge and Highway Carpenter	\$32.41	\$14.15
Carpenter Group 1 & 2	\$28.45	\$10.48
Cement Mason	\$25.37	\$13.11
Diver	See Appendix	See Appendix
Divers' Tender	See Appendix	See Appendix
Dredger	See Appendix	See Appendix
Drywall, Lather, Acoustical Carpenter & Ceiling Installer	See Appendix	See Appendix
Drywall Taper (See Painter & Drywall Taper)	See Appendix	See Appendix
Electrician	See Appendix	See Appendix
Elevator Constructor, Installer and Mechanic	See Appendix	See Appendix
Fence Constructor (Non-metal)	\$23.44	\$9.10
Fence Erector (Metal)	\$20.61	\$4.79
Flagger (See Laborer Group 3)	See Appendix	See Appendix
Glazier	See Appendix	See Appendix
Hazardous Materials Handler/Mechanic	\$18.03	\$5.96
Highway and Parking Striper	\$26.11	\$8.20
Ironworker	See Appendix	See Appendix
Laborer Group 1	See Appendix	See Appendix
Laborer Group 2	See Appendix	See Appendix
Laborer Group 3	See Appendix	See Appendix
Landscape Laborer/Technician	\$16.94	\$4.00
Limited Energy Electrician	\$26.51	\$8.63
Line Constructor	See Appendix	See Appendix
Marble Setter	See Appendix	See Appendix
Millwright Group 1 & 2	\$29.32	\$10.68
Painter	\$21.52	\$7.13
Piledriver	\$33.81	\$14.59
Plasterer and Stucco Mason	\$25.27	\$13.61
Plumber/Pipefitter/Steamfitter	See Appendix	See Appendix
Power Equipment Operator Group 1	See Appendix	See Appendix
Power Equipment Operator Group 1A	See Appendix	See Appendix
Power Equipment Operator Group 1B	See Appendix	See Appendix
Power Equipment Operator Group 2	See Appendix	See Appendix
Power Equipment Operator Group 3	See Appendix	See Appendix
Power Equipment Operator Group 4	See Appendix	See Appendix
Power Equipment Operator Group 5	See Appendix	See Appendix
Power Equipment Operator Group 6	See Appendix	See Appendix

REGION #5  
Lane County

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Roofer	\$24.83	\$7.50
Sheet Metal Worker	\$30.45	\$12.87
Soft Floor Layer	\$24.43	\$9.40
Sprinkler Fitter	\$29.78	\$12.38
Tender to Mason Trades (Brick and Stonemason, Mortar Mixer, Hod Carrier)	See Appendix	See Appendix
Tender to Plasterer and Stucco Mason	\$17.35	\$12.74
Testing, Adjusting, and Balancing (TAB) Technician	\$27.53	\$8.18
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$26.36	\$10.78
Tile, Terrazzo, and Marble Finisher	See Appendix	See Appendix
Truck Driver	\$19.80	\$6.11

REGION #6  
Douglas County

Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Asbestos Worker/Insulator	See Appendix	See Appendix
Boilermaker	See Appendix	See Appendix
Bricklayer/Stonemason	See Appendix	See Appendix
Bridge and Highway Carpenter	\$32.41	\$14.15
Carpenter Group 1 & 2	\$28.45	\$10.48
Cement Mason	\$25.37	\$13.11
Diver	See Appendix	See Appendix
Divers' Tender	See Appendix	See Appendix
Dredger	See Appendix	See Appendix
Drywall, Lather, Acoustical Carpenter & Ceiling Installer	\$30.03	\$14.62
Drywall Taper (See Painter & Drywall Taper)	See Appendix	See Appendix
Electrician	\$34.81	\$13.51
Elevator Constructor, Installer and Mechanic	See Appendix	See Appendix
Fence Constructor (Non-metal)	\$23.44	\$9.10
Fence Erector (Metal)	\$20.61	\$4.79
Flagger (See Laborer Group 3)	See Appendix	See Appendix
Glazier	\$28.75	\$12.35
Hazardous Material Handler/Mechanic	\$18.03	\$5.96
Highway and Parking Striper	See Appendix	See Appendix
Ironworker	See Appendix	See Appendix
Laborer Group 1	See Appendix	See Appendix
Laborer Group 2	See Appendix	See Appendix
Laborer Group 3	See Appendix	See Appendix
Landscape Laborer/Technician	\$16.94	\$4.00
Limited Energy Electrician	\$26.51	\$8.63
Line Constructor	See Appendix	See Appendix
Marble Setter	See Appendix	See Appendix
Millwright Group 1 & 2	\$29.32	\$10.68
Painter	See Appendix	See Appendix
Piledriver (See Carpenter Group 6)	See Appendix	See Appendix
Plasterer and Stucco Mason	See Appendix	See Appendix
Plumber/Pipefitter/Steamfitter	\$36.36	\$16.47
Power Equipment Operator Group 1	See Appendix	See Appendix
Power Equipment Operator Group 1A	See Appendix	See Appendix
Power Equipment Operator Group 1B	See Appendix	See Appendix
Power Equipment Operator Group 2	See Appendix	See Appendix
Power Equipment Operator Group 3	See Appendix	See Appendix
Power Equipment Operator Group 4	See Appendix	See Appendix
Power Equipment Operator Group 5	See Appendix	See Appendix
Power Equipment Operator Group 6	See Appendix	See Appendix

REGION #6  
Douglas County

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Roofer	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Sheet Metal Worker	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Soft Floor Layer	\$24.43	\$9.40
Sprinkler Fitter	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Tender to Mason Trades (Brick and Stonemason, Mortar Mixer, Hod Carrier)	\$25.45	\$11.39
Tender to Plasterer and Stucco Mason	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Testing, Adjusting, and Balancing (TAB) Technician (See Sheet Metal Worker or Plumber/Pipefitter/Steamfitter)	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$26.36	\$10.78
Tile, Terrazzo, and Marble Finisher	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Truck Driver	\$19.80	\$6.11

REGION #7  
Coos and Curry Counties

Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Asbestos Worker/Insulator	See Appendix	See Appendix
Boilermaker	See Appendix	See Appendix
Bricklayer/Stonemason	See Appendix	See Appendix
Bridge and Highway Carpenter	\$32.41	\$14.15
Carpenter Group 1 & 2	See Appendix	See Appendix
Cement Mason	\$25.37	\$13.11
Diver	See Appendix	See Appendix
Divers' Tender	See Appendix	See Appendix
Dredger	See Appendix	See Appendix
Drywall, Lather, Acoustical Carpenter & Ceiling Installer	See Appendix	See Appendix
Drywall Taper (See Painter & Drywall Taper)	See Appendix	See Appendix
Electrician	See Appendix	See Appendix
Elevator Constructor, Installer and Mechanic	See Appendix	See Appendix
Fence Constructor (Non-metal)	\$23.44	\$9.10
Fence Erector (Metal)	\$20.61	\$4.79
Flagger (See Laborer Group 3)	See Appendix	See Appendix
Glazier	See Appendix	See Appendix
Hazardous Materials Handler/Mechanic	\$18.03	\$5.96
Highway and Parking Striper	See Appendix	See Appendix
Ironworker	See Appendix	See Appendix
Laborer Group 1	See Appendix	See Appendix
Laborer Group 2	See Appendix	See Appendix
Laborer Group 3	See Appendix	See Appendix
Landscape Laborer/Technician	\$16.94	\$4.00
Limited Energy Electrician	\$26.51	\$8.63
Line Constructor	See Appendix	See Appendix
Marble Setter	See Appendix	See Appendix
Millwright Group 1 & 2	\$29.32	\$10.68
Painter	See Appendix	See Appendix
Piledriver	\$33.81	\$14.59
Plasterer and Stucco Mason	See Appendix	See Appendix
Plumber/Pipefitter/Steamfitter	See Appendix	See Appendix
Power Equipment Operator Group 1	See Appendix	See Appendix
Power Equipment Operator Group 1A	See Appendix	See Appendix
Power Equipment Operator Group 1B	See Appendix	See Appendix
Power Equipment Operator Group 2	See Appendix	See Appendix
Power Equipment Operator Group 3	See Appendix	See Appendix
Power Equipment Operator Group 4	See Appendix	See Appendix
Power Equipment Operator Group 5	See Appendix	See Appendix
Power Equipment Operator Group 6	See Appendix	See Appendix

REGION #7  
 Coos and Curry Counties

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Roofer	\$24.83	\$7.50
Sheet Metal Worker	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Soft Floor Layer	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Sprinkler Fitter	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Tender to Mason Trades (Brick and Stonemason, Mortar Mixer, Hod Carrier)	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Tender to Plasterer and Stucco Mason	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Testing, Adjusting, and Balancing (TAB) Technician	\$27.53	\$8.18
Tile Setter/Terrazzo Worker: Hard Tile Setter	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Tile, Terrazzo, and Marble Finisher	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Truck Driver	\$19.80	\$6.11

REGION #8  
 Jackson and Josephine Counties

Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Asbestos Worker/Insulator	See Appendix	See Appendix
Boilermaker	\$30.97	\$16.16
Bricklayer/Stonemason	\$32.33	\$14.78
Bridge and Highway Carpenter	\$32.41	\$14.15
Carpenter Group 1 & 2	\$28.45	\$10.48
Cement Mason	\$25.37	\$13.11
Diver	See Appendix	See Appendix
Divers' Tender	See Appendix	See Appendix
Dredger	See Appendix	See Appendix
Drywall, Lather, Acoustical Carpenter & Ceiling Installer	\$30.03	\$14.62
Drywall Taper	\$28.67	\$13.41
Electrician	See Appendix	See Appendix
Elevator Constructor, Installer and Mechanic	See Appendix	See Appendix
Fence Constructor (Non-metal)	\$23.44	\$9.10
Fence Erector (Metal)	\$20.61	\$4.79
Flagger	\$21.03	\$10.45
Glazier	\$28.75	\$12.35
Hazardous Materials Handler/Mechanic	\$18.03	\$5.96
Highway and Parking Striper	\$26.11	\$8.20
Ironworker	See Appendix	See Appendix
Laborer Group 1	\$24.25	\$10.01
Laborer Group 2	\$25.29	\$9.52
Laborer Group 3	\$22.35	\$11.30
Landscape Laborer/Technician	\$16.94	\$4.00
Limited Energy Electrician	\$26.51	\$8.63
Line Constructor	See Appendix	See Appendix
Marble Setter	See Appendix	See Appendix
Millwright Group 1 & 2	\$29.32	\$10.68
Painter	\$21.52	\$7.13
Piledriver (See Carpenter Group 6)	See Appendix	See Appendix
Plasterer and Stucco Mason	\$25.27	\$13.61
Plumber/Pipefitter/Steamfitter	See Appendix	See Appendix
Power Equipment Operator Group 1	See Appendix	See Appendix
Power Equipment Operator Group 1A	See Appendix	See Appendix
Power Equipment Operator Group 1B	See Appendix	See Appendix
Power Equipment Operator Group 2	See Appendix	See Appendix
Power Equipment Operator Group 3	See Appendix	See Appendix
Power Equipment Operator Group 4	See Appendix	See Appendix
Power Equipment Operator Group 5	See Appendix	See Appendix
Power Equipment Operator Group 6	See Appendix	See Appendix



REGION #8  
 Jackson and Josephine Counties

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Roofer	\$24.83	\$7.50
Sheet Metal Worker	\$30.45	\$12.87
Soft Floor Layer	\$24.43	\$9.40
Sprinkler Fitter	\$29.78	\$12.38
Tender to Mason Trades (Brick and Stonemason, Mortar Mixer, Hod Carrier)	\$25.45	\$11.39
Tender to Plasterer and Stucco Mason	\$17.35	\$12.74
Testing, Adjusting, and Balancing (TAB) Technician	\$27.53	\$8.18
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$26.36	\$10.78
Tile, Terrazzo, and Marble Finisher	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Truck Driver	\$19.80	\$6.11

REGION #9  
Hood River, Sherman and Wasco Counties

Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Asbestos Worker/Insulator	See Appendix	See Appendix
Boilermaker	See Appendix	See Appendix
Bricklayer/Stonemason	See Appendix	See Appendix
Bridge and Highway Carpenter (See Carpenter Group 5)	See Appendix	See Appendix
Carpenter Group 1 & 2	\$28.45	\$10.48
Cement Mason	\$25.37	\$13.11
Diver	See Appendix	See Appendix
Divers' Tender	See Appendix	See Appendix
Dredger	See Appendix	See Appendix
Drywall, Lather, Acoustical Carpenter & Ceiling Installer	\$30.03	\$14.62
Drywall Taper	\$28.67	\$13.41
Electrician	See Appendix	See Appendix
Elevator Constructor, Installer and Mechanic	See Appendix	See Appendix
Fence Constructor (Non-metal)	\$23.44	\$9.10
Fence Erector (Metal)	\$20.61	\$4.79
Flagger (See Laborer Group 3)	See Appendix	See Appendix
Glazier	\$28.75	\$12.35
Hazardous Materials Handler/Mechanic	\$18.03	\$5.96
Highway and Parking Striper	\$26.11	\$8.20
Ironworker	See Appendix	See Appendix
Laborer Group 1	See Appendix	See Appendix
Laborer Group 2	See Appendix	See Appendix
Laborer Group 3	See Appendix	See Appendix
Landscape Laborer/Technician	\$16.94	\$4.00
Limited Energy Electrician	See Appendix	See Appendix
Line Constructor	See Appendix	See Appendix
Marble Setter	See Appendix	See Appendix
Millwright Group 1 & 2 (See Carpenter Group 3 & 4)	See Appendix	See Appendix
Painter	\$21.52	\$7.13
Piledriver	\$33.81	\$14.59
Plasterer and Stucco Mason	See Appendix	See Appendix
Plumber/Pipefitter/Steamfitter	See Appendix	See Appendix
Power Equipment Operator Group 1	See Appendix	See Appendix
Power Equipment Operator Group 1A	See Appendix	See Appendix
Power Equipment Operator Group 1B	See Appendix	See Appendix
Power Equipment Operator Group 2	See Appendix	See Appendix
Power Equipment Operator Group 3	See Appendix	See Appendix
Power Equipment Operator Group 4	See Appendix	See Appendix
Power Equipment Operator Group 5	See Appendix	See Appendix
Power Equipment Operator Group 6	See Appendix	See Appendix

REGION #9  
Hood River, Sherman and Wasco Counties

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Roofer	\$24.83	\$7.50
Sheet Metal Worker	\$30.45	\$12.87
Soft Floor Layer	\$24.43	\$9.40
Sprinkler Fitter	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Tender to Mason Trades (Brick and Stonemason, Mortar Mixer, Hod Carrier)	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Tender to Plasterer and Stucco Mason	\$17.35	\$12.74
Testing, Adjusting, and Balancing (TAB) Technician	\$27.53	\$8.18
Tile Setter/Terrazzo Worker: Hard Tile Setter	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Tile, Terrazzo, and Marble Finisher	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Truck Driver	\$19.80	\$6.11

REGION #10  
 Crook, Deschutes and Jefferson Counties

Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Asbestos Worker/Insulator	See Appendix	See Appendix
Boilermaker	See Appendix	See Appendix
Bricklayer/Stonemason	See Appendix	See Appendix
Bridge and Highway Carpenter (See Carpenter Group 5)	See Appendix	See Appendix
Carpenter Group 1 & 2	\$28.45	\$10.48
Cement Mason	\$25.37	\$13.11
Diver	See Appendix	See Appendix
Divers' Tender	See Appendix	See Appendix
Dredger	See Appendix	See Appendix
Drywall, Lather, Acoustical Carpenter & Ceiling Installer	See Appendix	See Appendix
Drywall Taper	\$28.67	\$13.41
Electrician	See Appendix	See Appendix
Elevator Constructor, Installer and Mechanic	See Appendix	See Appendix
Fence Constructor (Non-metal)	\$23.44	\$9.10
Fence Erector (Metal)	\$20.61	\$4.79
Flagger	\$21.03	\$10.45
Glazier	\$28.75	\$12.35
Hazardous Materials Handler/Mechanic	\$18.03	\$5.96
Highway and Parking Striper	\$26.11	\$8.20
Ironworker	See Appendix	See Appendix
Laborer Group 1	\$24.25	\$10.01
Laborer Group 2	\$25.29	\$9.52
Laborer Group 3	\$22.35	\$11.30
Landscape Laborer/Technician	\$16.94	\$4.00
Limited Energy Electrician	\$26.51	\$8.63
Line Constructor	See Appendix	See Appendix
Marble Setter	\$28.26	\$6.64
Millwright Group 1 & 2 (See Carpenter Group 3 & 4)	See Appendix	See Appendix
Painter	\$21.52	\$7.13
Piledriver (See Carpenter Group 6)	See Appendix	See Appendix
Plasterer and Stucco Mason	\$25.27	\$13.61
Plumber/Pipefitter/Steamfitter	See Appendix	See Appendix
Power Equipment Operator Group 1	See Appendix	See Appendix
Power Equipment Operator Group 1A	See Appendix	See Appendix
Power Equipment Operator Group 1B	See Appendix	See Appendix
Power Equipment Operator Group 2	See Appendix	See Appendix
Power Equipment Operator Group 3	See Appendix	See Appendix
Power Equipment Operator Group 4	See Appendix	See Appendix
Power Equipment Operator Group 5	See Appendix	See Appendix
Power Equipment Operator Group 6	See Appendix	See Appendix

REGION #10  
 Crook, Deschutes and Jefferson Counties

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Roofer	\$24.83	\$7.50
Sheet Metal Worker	\$30.45	\$12.87
Soft Floor Layer	See Appendix	See Appendix
Sprinkler Fitter	\$29.78	\$12.38
Tender to Mason Trades (Brick and Stonemason, Mortar Mixer, Hod Carrier)	See Appendix	See Appendix
Tender to Plasterer and Stucco Mason	\$17.35	\$12.74
Testing, Adjusting, and Balancing (TAB) Technician (See Sheet Metal Worker or Plumber/Pipefitter/Steamfitter)	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$26.36	\$10.78
Tile, Terrazzo, and Marble Finisher	See Appendix	See Appendix
Truck Driver	\$19.80	\$6.11

REGION #11  
Klamath and Lake Counties

Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Asbestos Worker/Insulator	See Appendix	See Appendix
Boilermaker	See Appendix	See Appendix
Bricklayer/Stonemason	See Appendix	See Appendix
Bridge and Highway Carpenter	\$32.41	\$14.15
Carpenter Group 1 & 2	\$28.45	\$10.48
Cement Mason	\$25.37	\$13.11
Diver	See Appendix	See Appendix
Divers' Tender	See Appendix	See Appendix
Dredger	See Appendix	See Appendix
Drywall, Lather, Acoustical Carpenter & Ceiling Installer	\$30.03	\$14.62
Drywall Taper	\$28.67	\$13.41
Electrician	See Appendix	See Appendix
Elevator Constructor, Installer and Mechanic	See Appendix	See Appendix
Fence Constructors (Non-metal)	\$23.44	\$9.10
Fence Erector (Metal)	\$20.61	\$4.79
Flagger (See Laborer Group 3)	See Appendix	See Appendix
Glazier	\$28.75	\$12.35
Hazardous Materials Handler/Mechanic	\$18.03	\$5.96
Highway and Parking Striper	See Appendix	See Appendix
Ironworker	\$30.70	\$15.56
Laborer Group 1	See Appendix	See Appendix
Laborer Group 2	See Appendix	See Appendix
Laborer Group 3	See Appendix	See Appendix
Landscape Laborer/Technician	\$16.94	\$4.00
Limited Energy Electrician	See Appendix	See Appendix
Line Constructor	See Appendix	See Appendix
Marble Setter	See Appendix	See Appendix
Millwright Group 1 & 2	\$29.32	\$10.68
Painter	\$21.52	\$7.13
Piledriver (See Carpenter Group 6)	See Appendix	See Appendix
Plasterer and Stucco Mason	\$25.27	\$13.61
Plumber/Pipefitter/Steamfitter	\$36.36	\$16.47
Power Equipment Operator Group 1	See Appendix	See Appendix
Power Equipment Operator Group 1A	See Appendix	See Appendix
Power Equipment Operator Group 1B	See Appendix	See Appendix
Power Equipment Operator Group 2	See Appendix	See Appendix
Power Equipment Operator Group 3	See Appendix	See Appendix
Power Equipment Operator Group 4	See Appendix	See Appendix
Power Equipment Operator Group 5	See Appendix	See Appendix
Power Equipment Operator Group 6	See Appendix	See Appendix

REGION #11  
 Klamath and Lake Counties

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Roofer	\$24.83	\$7.50
Sheet Metal Worker	\$30.45	\$12.87
Soft Floor Layer	\$24.43	\$9.40
Sprinkler Fitter	\$29.78	\$12.38
Tender to Mason Trades (Brick and Stonemason, Mortar Mixer, Hod Carrier)	See Appendix	See Appendix
Tender to Plasterer and Stucco Mason	\$17.35	\$12.74
Testing, Adjusting, and Balancing (TAB) Technician	\$27.53	\$8.18
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$26.36	\$10.78
Tile, Terrazzo, and Marble Finisher	See Appendix	See Appendix
Truck Driver	\$19.80	\$6.11

REGION #12  
 Gilliam, Grant, Morrow, Umatilla and Wheeler Counties

Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Asbestos Worker/Insulator	See Appendix	See Appendix
Boilermaker	See Appendix	See Appendix
Bricklayer/Stonemason	See Appendix	See Appendix
Bridge and Highway Carpenter (See Carpenter Group 5)	See Appendix	See Appendix
Carpenter Group 1 & 2	See Appendix	See Appendix
Cement Mason	\$25.37	\$13.11
Diver	See Appendix	See Appendix
Divers' Tender	See Appendix	See Appendix
Dredger	See Appendix	See Appendix
Drywall, Lather, Acoustical Carpenter & Ceiling Installer	See Appendix	See Appendix
Drywall Taper (See Painter & Drywall Taper)	See Appendix	See Appendix
Electrician	See Appendix	See Appendix
Elevator Constructor, Installer and Mechanic	See Appendix	See Appendix
Fence Constructor (Non-metal)	\$23.44	\$9.10
Fence Erector (Metal)	\$20.61	\$4.79
Flagger (See Laborer Group 3)	See Appendix	See Appendix
Glazier	See Appendix	See Appendix
Hazardous Materials Handler/Mechanic	See Appendix	See Appendix
Highway and Parking Striper	See Appendix	See Appendix
Ironworker	See Appendix	See Appendix
Laborer Group 1	See Appendix	See Appendix
Laborer Group 2	See Appendix	See Appendix
Laborer Group 3	See Appendix	See Appendix
Landscape Laborer/Technician	\$16.94	\$4.00
Limited Energy Electrician	See Appendix	See Appendix
Line Constructor	See Appendix	See Appendix
Marble Setter	See Appendix	See Appendix
Millwright Group 1 & 2 (See Carpenter Group 3 & 4)	See Appendix	See Appendix
Painter	See Appendix	See Appendix
Piledriver (See Carpenter Group 6)	See Appendix	See Appendix
Plasterer and Stucco Mason	\$25.27	\$13.61
Plumber/Pipefitter/Steamfitter	See Appendix	See Appendix
Power Equipment Operator Group 1	See Appendix	See Appendix
Power Equipment Operator Group 1A	See Appendix	See Appendix
Power Equipment Operator Group 1B	See Appendix	See Appendix
Power Equipment Operator Group 2	See Appendix	See Appendix
Power Equipment Operator Group 3	See Appendix	See Appendix
Power Equipment Operator Group 4	See Appendix	See Appendix
Power Equipment Operator Group 5	See Appendix	See Appendix
Power Equipment Operator Group 6	See Appendix	See Appendix



REGION #12  
 Gilliam, Grant, Morrow, Umatilla and Wheeler Counties

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Roofer	See Appendix	See Appendix
Sheet Metal Worker	See Appendix	See Appendix
Soft Floor Layer	\$24.43	\$9.40
Sprinkler Fitter	\$29.78	\$12.38
Tenders to Mason Trades (Brick and Stonemason, Mortar Mixer, Hod Carrier)	\$25.45	\$11.39
Tender to Plasterer and Stucco Mason	\$17.35	\$12.74
Testing, Adjusting, and Balancing (TAB) Technician (See Sheet Metal Worker or Plumber/Pipefitter/Steamfitter)	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$26.36	\$10.78
Tile, Terrazzo, and Marble Finisher	See Appendix	See Appendix
Truck Driver	\$19.80	\$6.11

REGION #13  
 Baker, Union and Wallowa Counties

Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Asbestos Worker/Insulator	See Appendix	See Appendix
Boilermaker	See Appendix	See Appendix
Bricklayer/Stonemason	See Appendix	See Appendix
Bridge and Highway Carpenter (See Carpenter Group 5)	See Appendix	See Appendix
Carpenter Group 1 & 2	\$28.45	\$10.48
Cement Mason	\$25.37	\$13.11
Diver	See Appendix	See Appendix
Divers' Tender	See Appendix	See Appendix
Dredger	See Appendix	See Appendix
Drywall, Lather, Acoustical Carpenter & Ceiling Installer	See Appendix	See Appendix
Drywall Taper	\$28.67	\$13.41
Electrician	\$34.81	\$13.51
Elevator Constructor, Installer and Mechanic	See Appendix	See Appendix
Fence Constructor (Non-metal)	\$23.44	\$9.10
Fence Erector (Metal)	\$20.61	\$4.79
Flagger	\$21.03	\$10.45
Glazier	See Appendix	See Appendix
Hazardous Materials Handler/Mechanic	\$18.03	\$5.96
Highway and Parking Striper	\$26.11	\$8.20
Ironworker	See Appendix	See Appendix
Laborer Group 1	\$24.25	\$10.01
Laborer Group 2	\$25.29	\$9.52
Laborer Group 3	\$22.35	\$11.30
Landscape Laborer/Technician	\$16.94	\$4.00
Limited Energy Electrician	\$26.51	\$8.63
Line Constructor	\$26.36	\$4.89
Marble Setter	See Appendix	See Appendix
Millwright Group 1 & 2	\$29.32	\$10.68
Painter	\$21.52	\$7.13
Piledriver	\$33.81	\$14.59
Plasterer and Stucco Mason	\$25.27	\$13.61
Plumber/Pipefitter/Steamfitter	See Appendix	See Appendix
Power Equipment Operator Group 1	See Appendix	See Appendix
Power Equipment Operator Group 1A	See Appendix	See Appendix
Power Equipment Operator Group 1B	See Appendix	See Appendix
Power Equipment Operator Group 2	See Appendix	See Appendix
Power Equipment Operator Group 3	See Appendix	See Appendix
Power Equipment Operator Group 4	See Appendix	See Appendix
Power Equipment Operator Group 5	See Appendix	See Appendix
Power Equipment Operator Group 6	See Appendix	See Appendix

REGION #13  
 Baker, Union and Wallowa Counties

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Roofer	See Appendix	See Appendix
Sheet Metal Worker	See Appendix	See Appendix
Soft Floor Layer	\$24.43	\$9.40
Sprinkler Fitter	\$29.78	\$12.38
Tenders to Mason Trades (Brick and Stonemason, Mortar Mixer, Hod Carrier)	\$25.45	\$11.39
Tender to Plasterer and Stucco Mason	\$17.35	\$12.74
Testing, Adjusting, and Balancing (TAB) Technician	\$27.53	\$8.18
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$26.36	\$10.78
Tile, Terrazzo, and Marble Finisher	See Appendix	See Appendix
Truck Driver	\$19.80	\$6.11

REGION #14  
Harney and Malheur Counties

Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Asbestos Worker/Insulator	See Appendix	See Appendix
Boilermaker	See Appendix	See Appendix
Bricklayer/Stonemason	See Appendix	See Appendix
Bridge and Highway Carpenter (See Carpenter Group 5)	See Appendix	See Appendix
Carpenter Group 1 & 2	\$28.45	\$10.48
Cement Mason	\$25.37	\$13.11
Diver	See Appendix	See Appendix
Divers' Tender	See Appendix	See Appendix
Dredger	See Appendix	See Appendix
Drywall, Lather, Acoustical Carpenter & Ceiling Installer	\$30.03	\$14.62
Drywall Taper	\$28.67	\$13.41
Electrician	\$34.81	\$13.51
Elevator Constructor, Installer and Mechanic	See Appendix	See Appendix
Fence Constructor (Non-metal)	\$23.44	\$9.10
Fence Erector (Metal)	\$20.61	\$4.79
Flagger	\$21.03	\$10.45
Glazier	\$28.75	\$12.35
Hazardous Materials Handler/Mechanic	\$18.03	\$5.96
Highway and Parking Striper	\$26.11	\$8.20
Ironworker	\$30.70	\$15.56
Laborer Group 1	\$24.25	\$10.01
Laborer Group 2	\$25.29	\$9.52
Laborer Group 3	\$22.35	\$11.30
Landscape Laborer/Technician	\$16.94	\$4.00
Limited Energy Electrician	See Appendix	See Appendix
Line Constructor	\$26.36	\$4.89
Marble Setter	See Appendix	See Appendix
Millwright Group 1 & 2	\$29.32	\$10.68
Painter	\$21.52	\$7.13
Piledriver	\$33.81	\$14.59
Plasterer and Stucco Mason	\$25.27	\$13.61
Plumber/Pipefitter/Steamfitter	\$36.36	\$16.47
Power Equipment Operator Group 1	\$33.56	\$10.10
Power Equipment Operator Group 1A	\$37.31	\$11.60
Power Equipment Operator Group 1B	\$34.65	\$17.50
Power Equipment Operator Group 2	\$31.67	\$10.06
Power Equipment Operator Group 3	\$30.87	\$9.64
Power Equipment Operator Group 4	\$30.02	\$8.79
Power Equipment Operator Group 5	\$27.67	\$8.62
Power Equipment Operator Group 6	\$26.30	\$8.93

REGION #14  
 Harney and Malheur Counties

OCCUPATION	BASIC HOURLY RATE	FRINGE RATE
Roofer	\$24.83	\$7.50
Sheet Metal Worker	\$30.45	\$12.87
Soft Floor Layer	\$24.43	\$9.40
Sprinkler Fitter	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Tenders to Mason Trades (Brick and Stonemason, Mortar Mixer, Hod Carrier)	\$25.45	\$11.39
Tender to Plasterer and Stucco Mason	\$17.35	\$12.74
Testing, Adjusting, and Balancing (TAB) Technician	\$27.53	\$8.18
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$26.36	\$10.78
Tile, Terrazzo, and Marble Finisher	<a href="#">See Appendix</a>	<a href="#">See Appendix</a>
Truck Driver	\$19.80	\$6.11



# APPENDIX

JULY 1, 2013

## Collectively Bargained Rates

(To be used only when referred to in the Regions pages 6-33)





**JULY 1, 2013 APPENDIX**

*The Appendix rates are Collectively Bargained Rates to be used ONLY for Regions/Trades specified in pages 6 through 33. Refer to pages 6 through 33 BEFORE using rates in this section. Using the booklet, [Definitions of Covered Occupations](#), find the definition that most closely matches the actual work being performed by the worker.*

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**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**CARPENTER** (continued)

- 1) The worker's residence; **or**
- 2) City Hall of a reference city listed for the appropriate group shown, whichever is closer

Reference Cities for Group 5 and 6 Carpenters

Bend	Longview	North Bend
Eugene	Medford	Portland

**Note:** All job or project locations shall be computed (determined) on the basis of road miles and in the following manner. A mileage measurement will start at the entrance to the respective city hall, facing the project (if possible), and shall proceed by the normal route (shortest time-best road) to the geographical center on the highway, railroad, and street construction projects (end of measurement). On all project contracts, the geographical center where the major portion of the construction is located, shall be considered the center of the project (end measurement).

Welders receive \$.75/hour above their group's rate.

When working with creosote and other toxic, treated wood and steel material, workers shall receive \$.25/hour premium pay for minimum of eight (8) hours.

When working in sheet pile coffer dams or cells up to the external water level, Group 6 workers shall receive \$.15/hour premium pay for minimum of eight (8) hours.

**CEMENT MASON**

(This trade is tended by "Concrete Laborer")

Zone 1 (Base Rate)

Group 1	<b>29.98</b>	<b>17.76</b>
Group 2	<b>30.58</b>	<b>17.76</b>
Group 3	<b>30.58</b>	<b>17.76</b>
Group 4	<b>31.18</b>	<b>17.76</b>

Zone Differential for Cement Mason  
(Add to Zone 1 Base Rate)

Zone 2	<b>.65</b>
Zone 3	<b>1.15</b>
Zone 4	<b>1.70</b>
Zone 5	<b>3.00</b>

**CEMENT MASON** (continued)

Zone 1: Projects located within 30 miles of the respective city hall of the reference cities listed.

Zone 2: More than 30 miles, but less than 40 miles.

Zone 3: More than 40 miles, but less than 50 miles.

Zone 4: More than 50 miles, but less than 80 miles.

Zone 5: More than 80 miles.

Reference Cities

Bend	Eugene	Portland	The Dalles
Corvallis	Medford	Salem	Vancouver

**Note:** All job or project locations shall be computed (determined) on the basis of road miles and in the following manner. A mileage measurement will start at the entrance to the respective city hall, facing the project (if possible), and shall proceed by the normal route (shortest time-best road) to the geographical center on the highway, railroad, and street construction projects (end of measurement). On all other project contracts, the geographical center where the major portion of the construction is located, shall be considered the center of the project (end measurement).

**DIVER & DIVER TENDER**

Zone 1 (Base Rate)

<b>DIVER</b>	<b>80.70</b>	<b>14.47</b>
<b>DIVER TENDER</b>	<b>38.04</b>	<b>14.47</b>

- 1) For those workers who reside within a reference city below, their zone pay shall be computed from the city hall of the city wherein they reside.
- 2) For those workers who reside nearer to a project than is the city hall of any reference city below, the mileage from their residence may be used in computing their zone pay differential.
- 3) The zone pay for all other projects shall be computed from the city hall of Portland.

Zone Differential for Diver/Diver Tender  
(Add to Zone 1 Base Rate)

Zone 2	<b>.85</b>
Zone 3	<b>1.25</b>
Zone 4	<b>1.70</b>
Zone 5	<b>2.00</b>
Zone 6	<b>3.00</b>
Zone 7	<b>5.00</b>

**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**DIVER & DIVER TENDER** (continued)

Zone 1: Projects located within 30 miles of city hall of the reference cities listed.  
 Zone 2: More than 30 miles, but less than 40 miles.  
 Zone 3: More than 40 miles, but less than 50 miles.  
 Zone 4: More than 50 miles, but less than 60 miles.  
 Zone 5: More than 60 miles, but less than 70 miles.  
 Zone 6: More than 70 miles, but less than 100 miles.  
 Zone 7: More than 100 miles from the city hall of employee's home local.

Reference Cities for Diver/Diver Tender

Astoria	Klamath Falls	Newport	Roseburg
Bend	Longview	North Bend	Salem
Eugene	Medford	Portland	The Dalles

**Note:** All job or project locations shall be computed (determined) on the basis of road miles and in the following manner. A mileage measurement will start at the entrance to the respective city hall, facing the project (if possible), and shall proceed by the normal route (shortest time-best road) to the geographical center on the highway, railroad, and street construction projects (end of measurement). On all project contracts, the geographical center where the major portion of the construction is located, shall be considered the center of the project (end measurement).

Depth Pay and Enclosure Pay are added to the Diver Basic Hourly Rate to obtain the Total Hourly Rate for the Diver.

Basic Hourly Rate	+	Hourly Depth Pay	+	Hourly Enclosure Pay	=	Diver Total Hourly Rate
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Diver Depth Pay:

<u>Depth of Dive</u>	<u>Hourly Depth Pay</u>
50-100 ft.	\$1.00 per foot over 50 feet
101-150 ft.	\$1.50 per foot over 100 feet
151-200 ft.	\$2.00 per foot over 150 feet

Depth shall be figured from the surface to the actual depth where the diving work is being performed.

Diver Enclosure Pay (working without vertical escape):

Distance Traveled  
In the Enclosure    Hourly Enclosure Pay

**DIVER & DIVER TENDER** (continued)

5-50ft.	\$1.13/hr. up to \$4.00 maximum per day
50-100ft.	\$2.13/hr. up to \$9.00 maximum per day
100-150ft.	\$4.63/hr. up to \$17.00 maximum per day
150-200ft.	\$4.63/hr. up to \$37.00 maximum per day
200-300ft.	\$4.63/hr. up to \$37.00 maximum per day, plus \$.40 per foot traveled in enclosure.
300-450ft.	\$4.63/hr. up to \$37.00 maximum per day, plus \$.80 per foot traveled in enclosure.
450-600ft.	\$4.63/hr. up to \$37.00 maximum per day, plus \$1.60 per foot traveled in enclosure.

**DREDGER**

Zone A (Base Rate)

Leverman (Hydraulic & Clamshell)	<b>43.93</b>	<b>13.70</b>
Assistant Engineer (Watch Engineer, Mechanic Machinist)	<b>41.06</b>	<b>13.70</b>
Tenderman (Boatman Attending Dredge Plant) Fireman	<b>39.73</b>	<b>13.70</b>
Fill Equipment Operator	<b>38.66</b>	<b>13.70</b>
Assistant Mate	<b>36.18</b>	<b>13.70</b>

Zone Differential for Dredgers (Add to Zone A Base Rate)

Zone B	<b>3.00</b>
Zone C	<b>6.00</b>

Zone mileage based on road miles:

- Zone A: Center of jobsite to no more than 30 miles from the city hall of Portland.
- Zone B: More than 30 miles but not more than 60 miles.
- Zone C: Over 60 miles.

**DRYWALL, LATHER, ACOUSTICAL CARPENTER & CEILING INSTALLER**

Zone 1 (Base Rate)

1. DRYWALL INSTALLER	<b>32.90</b>	<b>14.15</b>
2. LATHER, ACOUSTICAL CARPENTER & CEILING INSTALLER	<b>31.02</b>	<b>16.03</b>

**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**DRYWALL, LATHER, ACOUSTICAL CARPENTER  
& CEILING INSTALLER** (continued)

Zone Differential for Drywall, Lather, Acoustical  
Carpenter & Ceiling Installer  
(Add to Zone 1 Base Rate)

Zone mileage based on road miles:

Zone 2	31-40 miles	<b>.85</b>
Zone 3	41-50 miles	<b>1.25</b>
Zone 4	51-60 miles	<b>1.70</b>
Zone 5	61-70 miles	<b>2.00</b>
Zone 6	71-100 miles	<b>3.00</b>
Zone 7	101 or more	<b>5.00</b>

The correct transportation allowance shall be based on road mileage from the City Hall of the local union having jurisdiction of the job or other transportation reference cities herein listed.

Reference Cities

Albany	Coquille	Medford	Roseburg
Astoria	Eugene	Newport	Salem
Baker	Grants Pass	North Bend	Seaside
Bandon	Hermiston	Pendleton	The Dalles
Bend	Klamath Falls	Portland	Tillamook
Brookings	Kelso- Longview	Reedsport	Vancouver

**ELECTRICIAN**

**Area 1**

Electrician	<b>27.70</b>	<b>12.14</b>
Cable Splicer	<b>30.47</b>	<b>12.28</b>

Reference Counties Area 1

Malheur

**Area 2**

Electrician	<b>37.05</b>	<b>17.29</b>
Cable Splicer	<b>38.90</b>	<b>17.35</b>

Reference Counties Area 2

Baker	Grant	Umatilla	Wallowa
Gilliam	Morrow	Union	Wheeler

**ELECTRICIAN** (continued)

**Area 3**

Electrician	<b>34.00</b>	<b>14.52</b>
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Reference Counties Area 3

Coos	Douglas (a)	Lincoln
Curry	Lane (a)	

(a) Those portions of Lane and Douglas lying **west** of a line running North and South from the NE corner of Coos County to the SE corner of Lincoln County.

**Area 4**

Electrician	<b>37.16</b>	<b>16.44</b>
Cable Splicer	<b>40.88</b>	<b>16.56</b>
Lighting Maintenance/ Material Handlers	<b>17.64</b>	<b>8.18</b>

Reference Counties Area 4

Benton	Jefferson	Marion
Crook	Lane (b)	Polk
Deschutes	Linn	Yamhill (c)

(b) That portion of Lane County lying **east** of a line running North and South from the NE corner of Coos County to the SE corner of Lincoln County.

(c) South half

**Area 5**

Electrician	<b>38.05</b>	<b>19.54</b>
Electrical Welder	<b>41.85</b>	<b>19.66</b>
Material Handler/ Lighting Maintenance	<b>21.69</b>	<b>12.59</b>

Reference Counties Area 5

Clackamas	Hood River	Tillamook	Yamhill (d)
Clatsop	Multnomah	Wasco	
Columbia	Sherman	Washington	

(d) North Half

**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**ELECTRICIAN** (continued)

**Zone Pay for Area 5 Electrician and  
Electrical Welder**

(Add to Basic Hourly Rate)

Zone mileage based on air miles:

Zone 1	31-50 miles	<b>1.50</b>
Zone 2	51-70 miles	<b>3.50</b>
Zone 3	71-90 miles	<b>5.50</b>
Zone 4	91 or more	<b>9.00</b>

There shall be a 30-mile free zone from downtown Portland City Hall and a similar 15-mile free zone around the following cities:

Astoria	Seaside	Tillamook
Hood River	The Dalles	

Further, the free zone at the Oregon coast shall extend along Hwy 101 west to the ocean Hwy 101 east 10 miles if not already covered by the above 15-mile free zone.

Area 6

Electrician	<b>30.02</b>	<b>14.80</b>
Cable Splicer	<b>30.02</b>	<b>14.80</b>
Lighting Maintenance and Material Handlers	<b>16.22</b>	<b>7.99</b>

Reference Counties Area 6

Douglas (e)	Jackson	Klamath
Harney	Josephine	Lake

(e) That portion of Douglas County lying **east** of a line running North and South from the NE corner of Coos County to the SE corner of Lincoln County.

Zone Pay for Area 6

**Lighting Maintenance and Material Handlers**

(Add to Basic Hourly Rate)

Zone mileage based on road miles:

Zone 1	0-20 miles	<b>0.00</b>
Zone 2	21-30 miles	<b>1.00</b>
Zone 3	31-40 miles	<b>2.80</b>
Zone 4	41-50 miles	<b>4.50</b>
Zone 5	51-60 miles	<b>6.30</b>
Zone 6	60 or more	<b>9.00</b>

There shall be a 20-mile free zone from the downtown Post Office in Grants Pass, Klamath Falls, Medford, and Roseburg.

**ELEVATOR CONSTRUCTOR, INSTALLER AND  
MECHANIC**

Area 1

Mechanic	<b>47.00</b>	<b>25.19</b>
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Reference Counties Area 1

Baker	Umatilla	Union	Wallowa
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Area 2

Mechanic	<b>47.19</b>	<b>30.75</b>
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Reference Counties Area 2

All remaining Counties

<b><u>GLAZIER</u></b>	<b>33.27</b>	<b>16.42</b>
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Add \$1.00 to base rate if safety belt is required by State safety regulations.

Add \$4.00 to base rate for work done from a non-motorized single-man bosun chair.

**HAZARDOUS MATERIALS HANDLER**

<b>21.50</b>	<b>10.06</b>
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**HIGHWAY/PARKING STRIPER**

<b>33.41</b>	<b>9.59</b>
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**IRONWORKER**

<u>Zone 1 (Base Rate):</u>	<b>34.12</b>	<b>21.35</b>
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Zone Differential for Ironworker

(Add to Basic Hourly Rate)

Zone 2	<b>3.75</b> hr. or \$30.00 maximum per day
Zone 3	<b>6.88</b> hr. or \$55.00 maximum per day
Zone 4	<b>9.38</b> hr. or \$75.00 maximum per day

Zone 1: Projects located within 45 miles of city hall in the reference cities listed below.

Zone 2: More than 45 miles, but less than 60 miles.

Zone 3: More than 60 miles, but less than 100 miles.

Zone 4: More than 100 miles.

**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**IRONWORKER** (continued)

**Note:** Zone pay for Ironworkers shall be determined using AAA road mileage computed from the city hall of the reference cities listed below or the residence of the employee, whichever is nearer to the project.

Reference Cities

Medford      Portland

**LABORER**

Zone 1 (Base Rate):

Group 1	<b>26.09</b>	<b>12.85</b>
Group 2	<b>27.09</b>	<b>12.85</b>
Group 3	<b>22.57</b>	<b>12.85</b>

**Note:** A Hazardous Waste Removal Differential must be added to the base rate if work is performed inside the boundary of a Federally Designated Hazardous Waste Site. A Group 1 base rate is used for General Laborer on such a site. For further information on this, call the Prevailing Wage Rate Coordinator at (971) 673-0839.

Zone Differential for Laborers  
(Add to Zone 1 Base Rate)

Zone 2	<b>.65</b>
Zone 3	<b>1.15</b>
Zone 4	<b>1.70</b>
Zone 5	<b>2.75</b>

Zone 1: Projects located within 30 miles of city hall in the reference cities listed below.

Zone 2: More than 30 miles but less than 40 miles.

Zone 3: More than 40 miles but less than 50 miles.

Zone 4: More than 50 miles but less than 80 miles.

Zone 5: More than 80 miles.

Reference Cities

Albany	Burns	Hermiston	Roseburg
Astoria	Coos Bay	Klamath Falls	Salem
Baker City	Eugene	Medford	The Dalles
Bend	Grants Pass	Portland	

**LABORER** (continued)

**Note:** All job or project locations shall be computed (determined) on the basis of road miles and in the following manner. A mileage measurement will start at the entrance to the respective city hall, facing the project (if possible), and shall proceed by the normal route (shortest time-best road) to the geographical center on the highway, railroad, and street construction projects (end of measurement). On all other project contracts, the geographical center where the major portion of the construction is located, shall be considered the center of the project (end measurement).

**LIMITED ENERGY ELECTRICIAN**

Area 1	<b>18.90</b>	<b>7.45</b>
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Reference Counties Area 1

Malheur

Area 2	<b>28.75</b>	<b>14.96</b>
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Reference Counties Area 2

Baker	Grant	Umatilla	Wallowa
Gilliam	Morrow	Union	Wheeler

Area 3	<b>25.95</b>	<b>12.78</b>
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Reference Counties Area 3

Coos	Douglas (a)	Lincoln
Curry	Lane (a)	

(a) Those portions of Lane and Douglas lying **west** of a line running North and South from the NE corner of Coos County to the SE corner of Lincoln County.

Area 4	<b>27.04</b>	<b>12.31</b>
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Reference Counties Area 4

Benton	Jefferson	Marion
Crook	Lane (b)	Polk
Deschutes	Linn	Yamhill (c)

(b) That portion of Lane County lying **east** of a line running North and South from the NE corner of Coos County to the SE corner of Lincoln County.

(c) South half

**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**LIMITED ENERGY ELECTRICIAN** (continued)

Area 5	<b>28.75</b>	<b>15.11</b>	
	<u>Reference Counties Area 5</u>		
Clackamas	Hood River	Tillamook	Yamhill (d)
Clatsop	Multnomah	Wasco	
Columbia	Sherman	Washington	

(d) North Half

Area 6	<b>24.90</b>	<b>11.25</b>	
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Reference Counties Area 6

Douglas (e)	Jackson	Klamath
Harney	Josephine	Lake

(e) That portion of Douglas County lying **east** of a line running North and South from the NE corner of Coos County to the SE corner of Lincoln County.

**LINE CONSTRUCTOR**

Area 1

Group 1	<b>51.10</b>	<b>15.34</b>
Group 2	<b>45.62</b>	<b>15.15</b>
Group 3	<b>26.10</b>	<b>10.23</b>
Group 4	<b>39.23</b>	<b>11.82</b>
Group 5	<b>34.22</b>	<b>11.17</b>
Group 6	<b>31.31</b>	<b>11.15</b>
Group 7	<b>15.60</b>	<b>8.51</b>

Area 1

All counties except Malheur County

<b><u>Group 1</u></b>	<b><u>Group 2</u></b>
Cable Splicer	Heavy Line Equipment Man
Leadman Pole Sprayer	Journeyman Lineman Welder
	Journeyman Lineman
	Pole Sprayer

<b><u>Group 3</u></b>	<b><u>Group 4</u></b>
Tree Trimmer	Line Equipment man

<b><u>Group 5</u></b>	<b><u>Group 6</u></b>
Head Groundman	Groundman
Jackhammer Man	
Powderman	
	<b><u>Group 7</u></b>
	Tree Trimmer Groundman

**LINE CONSTRUCTOR** (continued)

Area 2

Cable Splicer	<b>41.42</b>	<b>12.37</b>
Journeyman Lineman	<b>35.74</b>	<b>11.59</b>
Line Equip. Operator	<b>31.23</b>	<b>11.39</b>
Groundman	<b>22.24</b>	<b>9.35</b>

Area 2

Malheur County

<b><u>MARBLE SETTER</u></b>	<b>33.75</b>	<b>16.65</b>
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(This trade is tended by "Tile, Terrazzo, & Marble Finishers")

**PAINTER & DRYWALL TAPER**

COMMERCIAL PAINTING	<b>19.81</b>	<b>8.93</b>
INDUSTRIAL PAINTING	<b>21.01</b>	<b>8.93</b>
BRIDGE PAINTING	<b>24.81</b>	<b>8.93</b>

Add \$0.75 to base rate for work over 60 ft. high on swing stage, mechanical climber, spider or bucket truck for both commercial and industrial painting.

DRYWALL TAPER	<b>32.22</b>	<b>12.40</b>
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**PLASTERER AND STUCCO MASON**

(This trade is tended by "Tenders to Plasterers")

Nozzleman	<b>30.86</b>	<b>12.81</b>
Swinging Scaffold	<b>29.86</b>	<b>12.81</b>
All Other Work	<b>28.86</b>	<b>12.81</b>

**PLUMBER/PIPEFITTER/STEAMFITTER**

<u>Area 1</u>	<b>24.93</b>	<b>13.57</b>
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Reference Counties Area 1

Baker	Harney (a)	Malheur
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(a) Except that portion which lies North and West of a North-South line drawn from the town of John Day to a point five miles east of the town of Burns and three miles South of Burns thence on an airline through the town of Wagontire West to the county line.





**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**POWER EQUIPMENT OPERATOR** (continued)

**Reference cities for projects in all remaining counties:**

Albany	Coos Bay	Grants Pass	Medford
Bend	Eugene	Klamath Falls	Roseburg

(A) All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone 1 pay for all classifications.

(B) All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone 2 for all classifications.

(C) All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone 3 pay for all classifications.

**Note:** All job or project locations shall be computed (determined) on the basis of road miles and in the following manner. A mileage measurement will start at the entrance to the respective city hall, facing the project (if possible), and shall proceed by the normal route (shortest time-best road) to the geographical center on the highway, railroad, and street construction projects (end of measurement). On all other project contracts, the geographical center where the major portion of the construction is located, shall be considered the center of the project (end measurement).

**ROOFER**

Area 1\*

Roofers	<b>28.03</b>	<b>11.06</b>
Handling coal tar pitch	<b>30.83</b>	<b>11.06</b>
Remove fiberglass insulation	<b>30.83</b>	<b>11.06</b>

Reference Counties Area 1

Baker	Gilliam	Multnomah	Washington
Clackamas	Grant	Sherman	Wheeler
Clatsop	Hood River	Tillamook	
Columbia	Jefferson	Wasco	

\*On all jobs on which coal tar pitch is the basic roofing material or where the old roof being removed is composed of coal tar based material, a rate of pay ten percent (10%) greater than the basic rate of pay shall be paid for all work performed.

**ROOFER** (continued)

\*All employees engaged in removing fiberglass insulation shall receive a rate of pay ten percent (10%) greater than the employee's basic rate of pay.

Area 2\*\*

Roofers	<b>23.87</b>	<b>11.58</b>
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Reference Counties Area 2

Benton	Douglas	Lake	Marion
Coos	Harney	Lane	Polk
Crook	Jackson	Lincoln	Yamhill
Curry	Josephine	Linn	
Deschutes	Klamath	Malheur	

\*\* Add \$2.00 to basic hourly rate for application, spudding and cutting or removal of coal tar products.

\*\* Add \$0.50 per hour to base hourly rate for application, spudding and cutting or removal of fiberglass insulation.

Area 4\*\*\*

Roofers	<b>24.10</b>	<b>10.22</b>
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Reference Counties Area 4

Umatilla	Union	Wallowa
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\*\*\* Add \$2.00 to basic hourly rate for employees working with irritable bituminous materials.

\*\*\* Add \$2.00 to basic hourly rate for employees removing fiberglass insulation.

Area 5\*\*\*\*

Roofers	<b>24.14</b>	<b>10.27</b>
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Reference County for Area 5

Morrow

\*\*\*\* Add \$3.00 to basic hourly rate for employees working with irritable bituminous materials

TRADE

BASIC  
HOURLY FRINGE  
RATE

TRADE

BASIC  
HOURLY FRINGE  
RATE

**SHEET METAL WORKER**

Area 1 **36.23 17.64**

Reference Counties Area 1

Benton Gilliam Linn Wasco  
Clackamas Grant Marion Washington  
Clatsop Harney Multnomah Wheeler  
Columbia Hood River Polk Yamhill  
Crook Jefferson Sherman  
Deschutes Lincoln Tillamook

Add \$1.00 to base rate for work performed on any swinging platform, swinging chair or swinging ladder.

Add \$1.00 to base rate for work where a worker is exposed to resins, chemicals or acid.

Area 2 **23.00 15.60**

Reference Counties Area 2

Baker Malheur

Area 3 **32.16 18.42**

Reference Counties Area 3

Morrow Umatilla Union Wallowa

Add \$1.00 per hour to base rate for work where it is necessary to wear a chemically activated type face mask.

Area 4 **31.52 15.79**

Reference Counties Area 4

Douglas Lake Lane

Add \$1.00 to base rate for work performed on any swinging platform, swinging chair or swinging ladder.

Add \$1.00 to base rate for work where a worker is exposed to resins, chemicals or acid.

**SHEET METAL WORKER** (continued)

Area 5 **30.25 16.86**

Reference Counties Area 5

Coos Curry

Add \$1.00 to base rate for work performed on any swinging platform, swinging chair or swinging ladder.

Add \$1.00 to base rate for work where a worker is exposed to resins, chemicals or acid.

Area 6 **26.91 14.99**

Reference Counties Area 6

Jackson Josephine Klamath

Add \$1.00 to base rate for work performed on any swinging platform, swinging chair or swinging ladder.

Add \$1.00 to base rate for work where a worker is exposed to resins, chemicals or acid.

**SOFT FLOOR LAYER** **25.74 14.01**

**SPRINKLER FITTER** **32.43 19.85**

**TENDERS TO MASON TRADES (Brick and Stonemason, Mortar Mixer, Hod Carrier)**

**27.05 12.85**

Add \$0.50 to base rate for refractory work.

Add to base rate an amount equal to that received for safety belt requirements or other unusual job conditions by the mechanic this worker is tending.

**TENDER TO PLASTERER AND STUCCO MASON**

**27.21 13.25**

**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**TRADE**

**BASIC  
HOURLY FRINGE  
RATE**

**TESTING AND BALANCING (TAB) TECHNICIAN**

Air-Handling Equipment, Ductwork

See **SHEET METAL WORKER**

Water Distribution Systems

See  
**PLUMBER/PIPEFITTER/STEAMFITTER**

**TILE SETTER/TERRAZZO WORKER: Hard Tile Setter**

**29.19      15.09**

(This trade is tended by "Tile, Terrazzo, & Marble Finisher")

**TILE, TERRAZZO, AND MARBLE FINISHER**

1. TILE, TERRAZZO FINISHER  
**21.82      11.36**

2. BRICK AND MARBLE FINISHER  
**21.82      11.46**

Add \$1.00 to base rate if safety belt required by State safety regulations.

Add \$1.00 to base rate if work involves epoxy, furnane, alklor acetylene black grouting or waterproof membrane.

**TRUCK DRIVER**

Zone A (Base Rate):

Group 1	<b>26.90</b>	<b>13.25</b>
Group 2	<b>27.02</b>	<b>13.25</b>
Group 3	<b>27.15</b>	<b>13.25</b>
Group 4	<b>27.41</b>	<b>13.25</b>
Group 5	<b>27.63</b>	<b>13.25</b>
Group 6	<b>27.79</b>	<b>13.25</b>
Group 7	<b>27.99</b>	<b>13.25</b>

**TRUCK DRIVER** (continued)

For the Following Cities:

Albany	Grants Pass	Ontario
Astoria	Hermiston	Oregon City
Baker	Hood River	Pendleton
Bend	Klamath Falls	Portland
Bingen	LaGrande	Port Orford
Brookings	Lakeview	Reedsport
Burns	Longview	Roseburg
Coos Bay	Madras	Salem
Corvallis	Medford	The Dalles
Eugene	McMinnville	Tillamook
Goldendale	Newport	Vancouver

Zone differential for Truck Drivers  
(Add to Zone A Base Rate)

Zone B	<b>.65</b>
Zone C	<b>1.15</b>
Zone D	<b>1.70</b>
Zone E	<b>2.75</b>

Zone A: Projects within 30 miles of the cities listed above

Zone B: More than 30 miles but less than 40 miles.

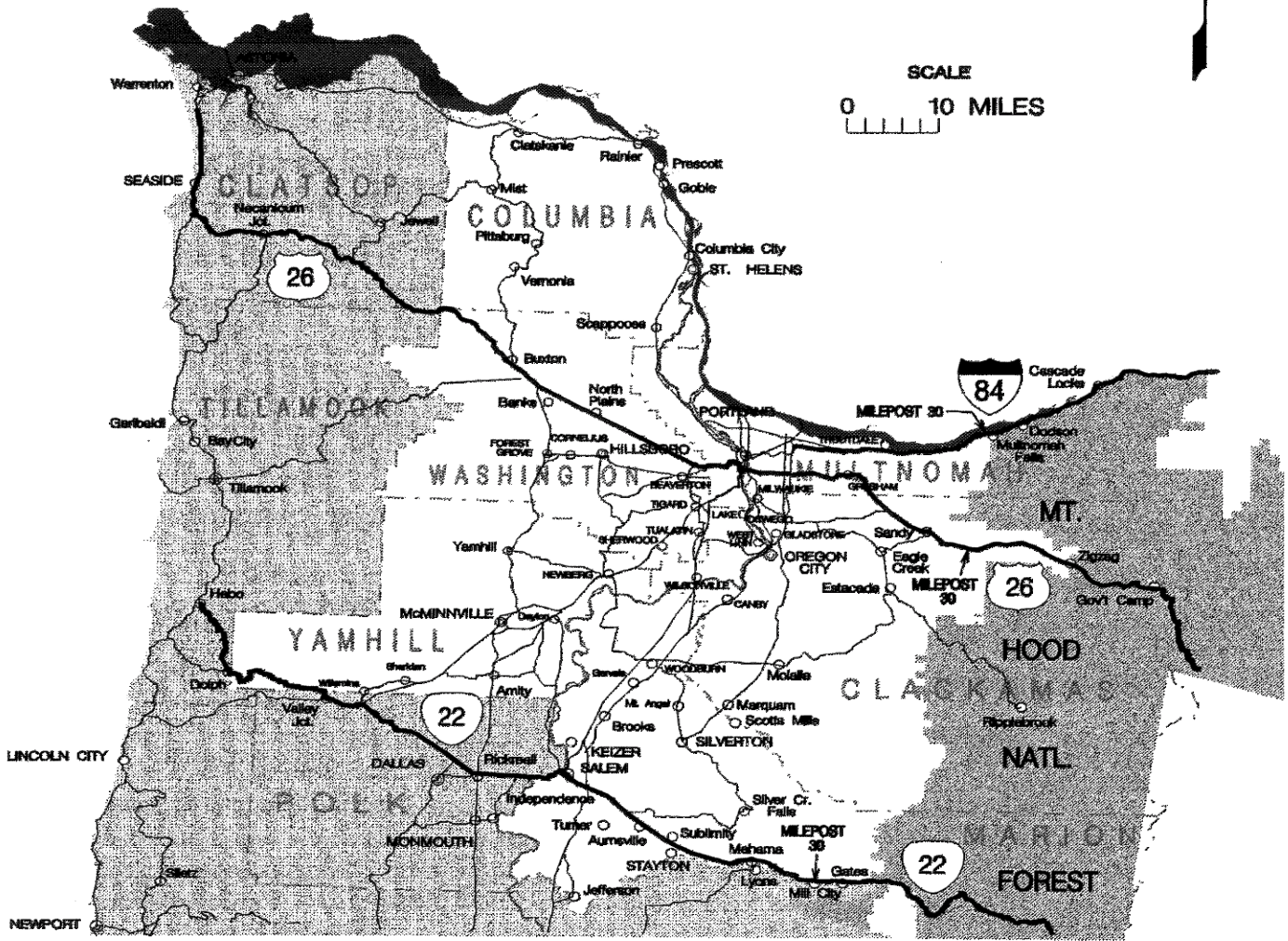
Zone C: More than 40 miles but less than 50 miles.

Zone D: More than 50 miles but less than 80 miles.

Zone E: More than 80 miles.

**Note:** All job or project locations shall be computed (determined) on the basis of road miles and in the following manner. A mileage measurement will start at the entrance to the respective city hall, facing the project (if possible), and shall proceed by the normal route (shortest time-best road) to the geographical center on the highway, railroad, and street construction projects (end of measurement). On all other project contracts, the geographical center where the major portion of the construction is located, shall be considered the center of the project (end measurement).

# Power Equipment Operators Zone 1





**LIST OF CONTRACTORS INELIGIBLE  
TO RECEIVE PUBLIC WORKS CONTRACTS  
PUBLICATION DATE: JULY 1, 2013**

**To: All Oregon Contracting Agencies**

Pursuant to ORS 279C.860, contractors on this list are ineligible to receive public works contracts subject to the Prevailing Wage Rate Law. These contractors and subcontractors, as well as any firm, corporation, partnership or association in which the contractor or subcontractor has a financial interest are ineligible to receive public works contracts until removed from this list.

If you have questions regarding the list or for the most current information regarding persons ineligible to receive prevailing wage contracts, please contact the Prevailing Wage Rate Coordinator in Portland at (971) 673-0839.

	<b><u>CONTRACTOR NAME</u></b>	<b><u>DATE PLACED</u></b>	<b><u>REMOVAL DATE</u></b>
1.	<b>Affordable Safe and Professional Flagging, LLC</b> 305 NE 6 <sup>th</sup> Street Grants Pass, OR 97526	September 17, 2012	September 16, 2017
2.	<b>All Concrete Specialties, Inc.</b> 9415 NE 62 <sup>nd</sup> Avenue Vancouver, WA 98665	March 29, 2012	March 28, 2015
3.	<b>American Eagle Electric, LLC</b> 3894 Roosevelt Boulevard Eugene, OR 97402	November 1, 2011	October 31, 2014
4.	<b>Ameritech Machine Mfg., Inc.</b> PO Box 1455, Redmond, OR 97756-0402 350 SW Industrial Way, Bend, OR 97702-1073 2328 NW Stonehill Drive, Bend, OR 97701-6806 2660 NE Highway 20, Suite 610 Bend, OR 97701-6403	June 17, 2011	June 16, 2014
5.	<b>Anbasa Transport, LLC</b> PO Box 1003 Boring, OR 97009-1003	May 15, 2012	May 14, 2014
6.	<b>Anderson Builders, Inc.</b> PO Box 601 Chiloquin, OR 97624-0601	June 17, 2011	June 16, 2014
7.	<b>Travis B. Anderson</b> 2790 NE Broken Bow Drive Bend, OR 97701-5804	September 14, 2011	September 13, 2014
8.	<b>ASAP Flagging &amp; Traffic Control, Inc.</b> 11681 Sumner Street, Suite A Portland, OR 97220	September 17, 2012	September 16, 2017
9.	<b>B &amp; C Northwest Electric, Inc.</b> <b>dba Horizon Electric</b> 1818 16 <sup>th</sup> Street West Linn, OR 97068	November 1, 2011	October 31, 2014
10.	<b>BPM Plaster, Inc.</b> PO Box 17915 Salem, OR 97305	January 15, 2011	January 14, 2014
11.	<b>Jared Barhoum</b> 14520 Mia Garden Drive Happy Valley, OR 97086	January 10, 2013	January 9, 2016

**LIST OF CONTRACTORS INELIGIBLE  
TO RECEIVE PUBLIC WORKS CONTRACTS  
PUBLICATION DATE: JULY 1, 2013**

	<b><u>CONTRACTOR NAME</u></b>	<b><u>DATE PLACED</u></b>	<b><u>REMOVAL DATE</u></b>
12.	<b>Beaver Flagging</b> 2239 Dakota Street Eugene, OR 97404	November 25, 2009	November 24, 2019
13.	<b>Christy C. Beaver</b> 2570 River Road Eugene, OR 97404	November 25, 2009	November 24, 2019
14.	<b>Bennett Commercial Floors, Inc.</b> 416 Leandra Lane PO Box 1020 Eagle Point, OR 97524	January 1, 2012	December 31, 2014
15.	<b>Richard D. Bennett, Jr.</b> 416 Leandra Lane PO Box 1020 Eagle Point, OR 97524	January 1, 2012	December 31, 2014
16.	<b>Jason David Bowlin</b> 875 N Hwy 99W Dundee, OR 97115	March 15, 2013	March 14, 2016
17.	<b>Kathleen Brotnov</b> 10976 SE 352nd PO Box 998 Boring, OR 97009	May 16, 2013	May 15, 2016
18.	<b>Lyle D. Brotnov</b> 10976 SE 352nd PO Box 998 Boring, OR 97009	May 16, 2013	May 15, 2016
19.	<b>Cameron Creations</b> <b>Steven Cameron</b> <b>Nancy Cameron</b> PO Box 2 Lowell, OR 97452	May 25, 2000	Not to be Removed
20.	<b>Bernice Coria Castro</b> <b>aka Berenice Coria Castro</b> 2847 Rocky Ridge Ave SE, Salem, OR 97306 2286 Rural Avenue SE, Salem, OR 97302	March 4, 2013	March 3, 2016
21.	<b>Carpentry Plus, Inc.</b> PO Box 998 Boring, OR 97009	May 16, 2013	May 15, 2016
22.	<b>James Cauthorn</b> 4790 NW Walnut Blvd. Corvallis, OR 97330	September 25, 2012	September 24, 2015
23.	<b>Century Atlantic Construction, LLC</b> <b>fdba First Choice Gutters</b> 10725 NE Tillamook Portland, OR 97220	June 3, 2011	June 2, 2014



**LIST OF CONTRACTORS INELIGIBLE  
TO RECEIVE PUBLIC WORKS CONTRACTS  
PUBLICATION DATE: JULY 1, 2013**

	<b><u>CONTRACTOR NAME</u></b>	<b><u>DATE PLACED</u></b>	<b><u>REMOVAL DATE</u></b>
24.	<b>Ronald Cook</b> PO Box 1455, Redmond, OR 97756-0402 350 SW Industrial Way, Bend, OR 97702-1073 2328 NW Stonehill Drive, Bend, OR 97701-6806 2660 NE Highway 20, Suite 610 Bend, OR 97701-6403	June 17, 2011	June 16, 2014
25.	<b>Andres Castro Coria</b> 2286 Rural Avenue SE Salem, OR 97302	February 25, 2013	February 24, 2016
26.	<b>Timothy Covington</b> 1000 NE 122 <sup>nd</sup> Street, Suite B-13 Portland, OR 97230	September 17, 2012	September 16, 2017
27.	<b>Rickey Vail Crane dba R &amp; S Excavation</b> 1624 NE 11 <sup>th</sup> Street Bend, OR 97701	March 28, 2013	March 27, 2016
28.	<b>Shelly Rae Crane dba R &amp; S Excavation</b> 1624 NE 11 <sup>th</sup> Street Bend, OR 97701	March 28, 2013	March 27, 2016
29.	<b>Dark Horse Construction, LLC</b> 15824 S Pope Lane Oregon City, OR 97045	November 1, 2011	October 31, 2014
30.	<b>E.H. Glaab, General Contractor, Inc.</b> 16762 Sandy Court La Pine, OR 97739-1027	September 14, 2011	September 13, 2014
31.	<b>Edward H. Glaab</b> 16762 Sandy Court La Pine, OR 97739-1027	September 14, 2011	September 13, 2014
32.	<b>Eugene B. Graeme</b> 169 SE Cody Lane Madras, OR 97741	May 3, 2012	May 2, 2015
33.	<b>Ground Hawg Environmental, Inc</b> 14520 Mia Garden Drive Happy Valley, OR 97086	January 10, 2013	January 9, 2016
34.	<b>Robert Harden</b> PO Box 626 Hubbard, OR 97032	February 25, 2013	February 24, 2016
35.	<b>James Hays</b> 8011 25 <sup>th</sup> Street White City, OR 97503-1547	September 14, 2011	September 13, 2014

**LIST OF CONTRACTORS INELIGIBLE  
TO RECEIVE PUBLIC WORKS CONTRACTS  
PUBLICATION DATE: JULY 1, 2013**

	<b><u>CONTRACTOR NAME</u></b>	<b><u>DATE PLACED</u></b>	<b><u>REMOVAL DATE</u></b>
36.	<b>Hays Drywall, Inc.</b> PO Box 1398 Medford, OR 97501-0104 8011 25 <sup>th</sup> Street White City, OR 97503-1547	September 14, 2011	September 13, 2014
37.	<b>Holm II, Inc.</b> <b>Dennis A. Holm</b> <b>Linda A. Holm</b> 618 N 2 <sup>nd</sup> Avenue Stayton, OR 97383	January 1, 2011	December 31, 2013
38.	<b>K &amp; W Erectors, Inc.</b> 36700 NE North Fork Avenue La Center, WA 98629	April 8, 2013	April 7, 2016
39.	<b>John Benjamin Kamph</b> 1113 SW Courtney Laine Drive McMinnville, OR 97128-1017	January 5, 2012	January 4, 2015
40.	<b>Kamph Construction Company, Inc.</b> 1113 SW Courtney Laine Drive McMinnville, OR 97128-1017	January 5, 2012	January 4, 2015
41.	<b>Kelaye Concrete, LLC</b> 21822 SE Bohna Park Road Damascus, OR 97089	May 15, 2012	May 14, 2014
42.	<b>Kemper Drywall, Inc.</b> PO Box 626 4084 Pacific Hwy 99E Hubbard, OR 97032	February 25, 2013	February 24, 2016
43.	<b>Ken-Dee Construction, Ltd.</b> PO Box 822093 Vancouver, WA 98682	February 8, 2012	February 7, 2015
44.	<b>Gregory T. Kurahashi</b> 4470 SW Hall Blvd, Suite C Beaverton, OR 97005	March 4, 2013	March 3, 2016
45.	<b>Kurahashi and Associates Company</b> 4470 SW Hall Blvd, Suite C Beaverton, OR 97005	March 4, 2013	March 3, 2016
46.	<b>Servando Garcia Maldonado</b> PO Box 17915 Salem, OR 97305	January 15, 2011	January 14, 2014
47.	<b>Michael S. Varner Construction, Inc.</b> PO Box 9416 Bend, OR 97708-9416	February 22, 2012	February 21, 2015

**LIST OF CONTRACTORS INELIGIBLE  
TO RECEIVE PUBLIC WORKS CONTRACTS  
PUBLICATION DATE: JULY 1, 2013**

	<b><u>CONTRACTOR NAME</u></b>	<b><u>DATE PLACED</u></b>	<b><u>REMOVAL DATE</u></b>
48.	<b>Michelle Delrae Mullins aka Michelle Sutherland aka Michelle Shearer dba Oregon Traffic Solutions 2522 Fort Worth Ave, Apt 113 Dallas, TX 75211-1716 125 SW Kathleen Street Waldport, OR 97394</b>	January 5, 2012	January 4, 2015
49.	<b>Northwest Road Builders, Inc. 57280 Timber Road Vernonia, OR 97064-9645</b>	June 3, 2011	June 2, 2014
50.	<b>Marnie Leanne O'Malley PO Box 1627 Lake Oswego, OR 97035</b>	May 28, 2013	May 27, 2016
51.	<b>Alex J. Olsen dba BSD Enterprises PO Box 493 11600 ½ Highway 101 S. Tillamook, OR 97141</b>	April 25, 2012	April 24, 2015
52.	<b>Oregon Traffic Solutions 125 SW Kathleen Street Waldport, OR 97394</b>	January 5, 2012	January 4, 2015
53.	<b>Pok Wan Contracting, Inc. 4790 NW Walnut Blvd. Corvallis, OR 97330</b>	September 25, 2012	September 24, 2015
54.	<b>Portland Tile Contractors, LLC 8781 SE 55<sup>th</sup> Avenue Portland, OR 97206 16434 S Harding Road Oregon City, OR 97045</b>	May 31, 2012	May 30, 2015
55.	<b>William J. Postles 1818 16<sup>th</sup> Street West Linn, OR 97068</b>	November 1, 2011	October 31, 2014
56.	<b>Aaron Powless PO Box 5143 Klamath Falls, OR 97229</b>	October 8, 2012	October 7, 2015
57.	<b>Pro Core Concrete Construction, Inc. 875 N Hwy 99W Dundee, OR 97115</b>	March 15, 2013	March 14, 2016
58.	<b>Powless Roofing, Inc. PO Box 5143 Klamath Falls, OR 97229</b>	October 8, 2012	October 7, 2015

**LIST OF CONTRACTORS INELIGIBLE  
TO RECEIVE PUBLIC WORKS CONTRACTS  
PUBLICATION DATE: JULY 1, 2013**

	<b><u>CONTRACTOR NAME</u></b>	<b><u>DATE PLACED</u></b>	<b><u>REMOVAL DATE</u></b>
59.	<b>Quality Building Services, Inc.</b> PO Box 249 Wilsonville, OR 97070 2245 Crestview Drive West Linn, OR 97068	August 27, 2012	August 26, 2015
60.	<b>RC Landworks, Inc.</b> PO Box 232 Boring, OR 97009 21822 SE Bohna Park Road Damascus, OR 97089	May 15, 2012	May 14, 2015
61.	<b>RMH Group, Inc.</b> <b>dba H &amp; M Concrete Company</b> 830 NE Hidden Valley Bend, OR 97702	September 14, 2011	September 13, 2014
62.	<b>Right Choice Underground, LLC</b> 14630 NE Springbrook Road Newberg, OR 97132	November 26, 2012	November 25, 2015
63.	<b>Edward S. Rodgers</b> PO Box 601 Chiloquin, OR 97624-0601	June 17, 2011	June 16, 2014
64.	<b>Christopher Rogers</b> 1355 Piedmont Springfield, OR 97477	June 3, 2011	June 2, 2014
65.	<b>Rogers Consulting and Construction, Inc.</b> 496 S 69 <sup>th</sup> Place Springfield, OR 97478	June 3, 2011	June 2, 2014
66.	<b>Terry Rand Ross</b> 18598 SW Mount Adams Loop Powell Butte, OR 97753-1652	March 29, 2012	March 28, 2015
67.	<b>Frances L Sallah and Edrissa Sallah</b> 4800 SW Maple Avenue Beaverton, OR 97005	May 1, 2011	April 30, 2014
68.	<b>Terrence Samuel</b> PO Box 249 Wilsonville, OR 97070 2245 Crestview Drive West Linn, OR 97068	August 27, 2012	August 26, 2015
69.	<b>Michelle Shearer</b> <b>aka Michelle Sutherland</b> <b>aka Michelle Delrae Mullins</b> <b>dba Oregon Traffic Solutions</b> 2522 Fort Worth Ave, Apt 113 Dallas, TX 75211-1716 125 SW Kathleen Street Waldport, OR 97394	January 5, 2012	January 4, 2015

**LIST OF CONTRACTORS INELIGIBLE  
TO RECEIVE PUBLIC WORKS CONTRACTS  
PUBLICATION DATE: JULY 1, 2013**

	<b><u>CONTRACTOR NAME</u></b>	<b><u>DATE PLACED</u></b>	<b><u>REMOVAL DATE</u></b>
70.	<b>Silvercreek Woodworks, Inc.</b> 20551 Builders Court La Pine, OR 97701-8507	September 14, 2011	September 13, 2014
71.	<b>Stellar Services, Inc.</b> 2286 Rural Avenue SE Salem, OR 97306	February 25, 2013	February 24, 2016
72.	<b>Sunikerr, LLC</b> 4800 SW Maple Avenue Beaverton, OR 97005	May 1, 2011	April 30, 2014
73.	<b>Michelle Sutherland aka Michelle Delrae Mullins aka Michelle Shearer dba Oregon Traffic Solutions</b> 2522 Fort Worth Ave, Apt 113 Dallas, TX 75211-1716 125 SW Kathleen Street Waldport, OR 97394	January 5, 2012	January 4, 2015
74.	<b>Tile Masters, LLC</b> 4676 Commercial Street SE Salem, OR 97302-1902 5015 Micah Court SE Salem, OR 97306-2855	June 17, 2011	June 16, 2014
75.	<b>Richard W. Titus</b> 57280 Timber Road Vernonia, OR 97064-9645	June 3, 2011	June 2, 2014
76.	<b>Michael S. Varner</b> PO Box 9416 Bend, OR 97708-9416	February 22, 2012	February 21, 2015
77.	<b>Venetian Terrazzo Co., LLC</b> 845 NW Dunbar Ave. Suite #114 Troutdale, OR 97060 29776 Crown Z Road Scappoose, OR 97056	August 21, 2012	August 20, 2015
78.	<b>WCI Construction, LLC</b> 169 SE Cody Lane Madras, OR 97741	May 3, 2012	May 2, 2015
79.	<b>Douglas Theodore Wells dba All City Glass of Oregon</b> PO Box 1218 27700 S Highway 213 Mulino, OR 97042	March 19, 2013	March 18, 2014
80.	<b>Rebekah Williams</b> PO Box 1003 Boring, OR 97009-1003 21822 SE Bohna Park Road Damascus, OR 97089	May 15, 2012	May 14, 2014

**LIST OF CONTRACTORS INELIGIBLE  
TO RECEIVE PUBLIC WORKS CONTRACTS  
PUBLICATION DATE: JULY 1, 2013**

	<b><u>CONTRACTOR NAME</u></b>	<b><u>DATE PLACED</u></b>	<b><u>REMOVAL DATE</u></b>
81.	<b>Russell T. Williams</b> PO Box 232 Boring, OR 97009 21822 SE Bohna Park Road Damascus, OR 97089	May 15, 2012	May 14, 2015
82.	<b>Vincent Wilson</b> 1087 Lewis River Road, #2741 Woodland, WA 98674	April 8, 2013	April 7, 2016
83.	<b>Wrangler Construction, Inc.</b> 169 SE Cody Lane Madras, OR 97741	May 3, 2012	May 2, 2015

**BRAD AVAKIAN, COMMISSIONER  
OREGON BUREAU OF LABOR AND INDUSTRIES**

# **PREVAILING WAGE RATE FORMS**

<b>WH-38</b>	<b>Certified Payroll Form</b>
<b>WH-39</b>	<b>Public Work Contract Fee Information Form</b>
<b>WH-40</b>	<b>Public Work Contract Fee Adjustment Form</b>
<b>WH-81</b>	<b>Notice of Award of Public Works Contract</b>
<b>WH-118</b>	<b>Planned Public Improvement Summary</b>
<b>WH-119</b>	<b>Capital Improvement Cost Comparison Estimate</b>







## BUREAU OF LABOR AND INDUSTRIES, PREVAILING WAGE RATE UNIT

### INSTRUCTIONS FOR COMPLETING THE PREVAILING WAGE RATE PAYROLL/CERTIFIED STATEMENT FORM (WH-38)

The Payroll/Certified Statement form (WH-38) may be used by contractors for reporting their payroll as required by ORS 279C.845 on public works projects subject to the Prevailing Wage Rate (PWR) Law. Although this form has not been officially approved by the U.S. Department of Labor (US DOL), it is designed to meet the requirements of the federal Davis-Bacon Act. For projects associated with the U.S. Department of Housing and Urban Development (HUD), contact the public agency (owner) associated with the project for assistance with payroll reporting.

Contractors are not required to use the WH-38 form in reporting their payroll; however, the contractor must provide all of the information contained in the form, including the certified statement on page two. The certified statement must be signed by the contractor, certifying the accuracy of the information reported on the payroll, including representations pertaining to the provision of fringe benefits to employees by third parties, and must be submitted with each weekly payroll report. Detailed instructions concerning the preparation of the form follow:

Complete the top third of the form. Be sure to enter the date the contract was first advertised for bid. If you are not sure of this date, contact the public agency (owner) associated with the project. The "Payroll No." is a US DOL requirement and represents the week number for the reporting period.

**Column 1 – NAME AND ADDRESS:** The employee's full name must be shown on each payroll submitted. The employee's address must also be shown on the first payroll submitted. The address need not be shown on subsequent payrolls submitted unless the address changes. The US DOL requires an employee identification number for each individual employee, on each payroll submitted. This number may be, but does not have to be, the last four digits of the employee's social security number.

**Column 2 – CLASSIFICATION:** For assistance in determining the correct classification, use the Bureau of Labor and Industries' publication "Definitions of Covered Occupations for Public Works Contracts in Oregon." On the WH-38, list the classification that is most descriptive of the work actually performed by the employee. Give the group number for those classifications that include such information. Indicate which workers are apprentices, if any, and give their current percentage, classification, and group number when applicable. If an employee works in more than one classification, use the highest rate for all hours worked, or use separate line entries to show hours worked and hourly rates for each classification.

**Column 3 – DAY AND DATE:** Enter the day of the week (M, T, W, Th, F, S, and Sn) in the top row of boxes, and the corresponding date below.

**HOURS WORKED EACH DAY:** Enter the total number of straight time hours worked in the row marked "ST." Generally, hours worked over 8 in a day or work performed on Saturdays, Sundays, and legal holidays should be entered as overtime ("OT") hours worked. Contractors who have adopted and followed a written work schedule of four consecutive ten-hour days (Monday through Thursday or Tuesday through Friday) may enter hours worked over 10 in a day as overtime hours. For more information on overtime requirements, see the Contractor Responsibilities section of the Bureau of Labor and Industries' publication "Prevailing Wage Rate Laws" handbook.

**Column 4 – TOTAL HOURS:** Enter separately the total number of straight time and overtime hours worked by the employee (in each classification, if applicable) on the PWR project during the week. The total number of straight time hours worked should be entered in the lower box ("ST"); the total number of overtime hours worked should be entered in the top box ("OT").

**Column 5 – HOURLY BASE RATE:** Enter the hourly base rate (plus zone pay, if any) and the hourly overtime rate (plus zone pay, if any) paid to the employee in the appropriate straight time and overtime boxes. (Payment of not less than one and one half times the base rate of pay, including zone pay but not including fringe benefits, is required to be paid for overtime hours pursuant to ORS 279C.540). Generally, use the appropriate prevailing wage rates in effect at the time the contract was first advertised for bid by the

public agency. If this date is not known, or if the project was not advertised for bid, contact the public agency (owner) associated with the project for assistance with applicable rates.

**Column 6 – HOURLY FRINGE BENEFIT AMOUNT PAID AS WAGES TO THE EMPLOYEE:** Enter hourly fringe benefit amounts paid directly to the employee as wages. (For overtime hours worked, it is not necessary to pay time and one half for the fringe benefit portion of the prevailing wage rate.)

**Column 7 – GROSS AMOUNT EARNED:** Enter the gross amount earned for work on the PWR project during the week. If part of the employee’s wages for the pay period were earned on projects other than the project described on the WH-38, or if the employee is paid less often than on a weekly basis, enter in column 7 first the gross amount earned on the PWR project for the week, then the total gross amount earned for the pay period. For example: \$567.84 / \$1,267.27.

**Column 8 – ITEMIZED DEDUCTIONS, FICA, FED, STATE, ETC.:** Enter deductions withheld from wages for the pay period. All deductions must be in accordance with the provisions of ORS 652.610 (and as defined in Regulations, Part 3 (29 CFR Subtitle A), issued by the Secretary of Labor under the Copeland Act, as amended (48 Stat. 948, 63 Stat. 108, 72 Stat. Stat. 967, 76 Stat. 357; 40 U.S.C 276c) on projects subject to Davis-Bacon Act). For projects subject to the Davis-Bacon Act, itemize the deductions.

**Column 9 – NET WAGES PAID:** Enter the total amount of net wages actually paid to the employee for the pay period. This figure can be calculated by subtracting the total deductions reported in Column 8 from the gross amount of wages for the pay period reported in the bottom portion of Column 7.

**Column 10 – HOURLY FRINGE BENEFITS PAID TO BENEFITS PARTY, PLAN, FUND OR PROGRAM:** Enter the hourly amount of fringe benefits paid to each individually approved party, plan, fund, or program, for each employee. List these amounts separately on the lines provided. Any contractor who is making payments to approved parties, plans, funds or programs in amounts less than the required hourly fringe benefit is obligated to pay the difference directly to the employee as wages in lieu of fringe benefits, and to show that amount in Column 6 of this form. For information on how to calculate hourly fringe benefit credits, see Appendix A in the Bureau of Labor and Industries’ publication “Prevailing Wage Rate Laws” handbook.

**Column 11 – NAME OF BENEFIT PARTY, PLAN, FUND OR PROGRAM:** Enter the name of the party, plan, fund, or program that corresponds to the amount paid as an hourly fringe benefit in Column 10.

### **CALCULATION CHECK**

In order to determine whether the wages and fringe benefits paid are sufficient to meet prevailing wage rate requirements, the following check may be performed:

1. For each classification listed in column 2, compute the sum of:
  - a) the hourly base rate of pay shown in Column 5,
  - b) the hourly fringe benefit amount paid as wages to employee shown in Column 6, and
  - c) the hourly fringe benefits paid to benefit party, plan, fund or program shown in Column 10.
2. This sum must equal or exceed the total of the hourly base rate (including zone pay) and the hourly fringe benefit rate for that classification as listed in the appropriate issue of the Bureau of Labor and Industries publications Prevailing Wage Rates for Public Works Contracts in Oregon.

IF YOU HAVE QUESTIONS REGARDING COMPLETION OF THIS FORM, CONTACT THE PREVAILING WAGE RATE UNIT OF THE BUREAU OF LABOR AND INDUSTRIES AT (971) 673-0838.

**NOTE: PAYROLL/CERTIFIED STATEMENTS ARE ONLY REQUIRED TO BE SUBMITTED TO THE PUBLIC AGENCY ASSOCIATED WITH THE PROJECT.**

**CERTIFIED PAYROLL AND OTHER FORMS ARE AVAILABLE ON OUR WEBSITE:**  
[www.oregon.gov/boli](http://www.oregon.gov/boli)

PRIME CONTRACTOR  SUBCONTRACTOR  PAYROLL NO. \_\_\_\_\_ CCB Registration Number: \_\_\_\_\_  
 Business Name (DBA): \_\_\_\_\_ Phone: ( ) \_\_\_\_\_

Project Name: \_\_\_\_\_ Project Number: \_\_\_\_\_ Type of Work: \_\_\_\_\_  
 Street Address: \_\_\_\_\_ Project Location: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_ Project County: \_\_\_\_\_

Date Pay Period Began: \_\_\_\_\_ Date Pay Period Ended: \_\_\_\_\_

**THIS SECTION FOR PRIME CONTRACTORS ONLY**

**THIS SECTION FOR SUBCONTRACTORS ONLY**

Public Contracting Agency Name: \_\_\_\_\_ Subcontract Amount: \_\_\_\_\_  
 Phone: ( ) \_\_\_\_\_ Prime Contractor Business Name (DBA): \_\_\_\_\_  
 Date Contract Specifications First Advertised for Bid: \_\_\_\_\_ Prime Contractor Phone: ( ) \_\_\_\_\_  
 Contract Amount: \_\_\_\_\_ Prime Contractor's CCB Registration Number: \_\_\_\_\_  
 Date You Began Work on the Project: \_\_\_\_\_

(1) NAME, ADDRESS AND EMPLOYER'S IDENTIFICATION NUMBER	(2) CLASSIFICATION (INCLUDE GROUP # AND APPRENTICESHIP STEP IF APPLICABLE)	(3) DAY AND DATE							(4) TOTAL HOURS	(5) HOURLY BASE RATE	(6) HOURLY FRINGE BENEFIT AMOUNTS PAID AS WAGES TO EMPLOYEE	(7) GROSS AMOUNT EARNED (see directions)	(8) ITEMIZED DEDUCTIONS FICA, FED, STATE, ETC.	(9) NET WAGES PAID	(10) HOURLY FRINGE BENEFITS PAID TO BENEFIT PARTY, PLAN, FUND, OR PROGRAM	(11) NAME OF BENEFIT PARTY, PLAN, FUND, OR PROGRAM	
		OT															
		ST															
		OT															
		ST															
		OT															
		ST															
		OT															
		ST															

\*Although this form has not been officially approved by the U.S. Department of Labor, it is designed to meet the requirements of both the state PWR law and the federal Davis-Bacon Act.

**CERTIFIED STATEMENT**

Date: \_\_\_\_\_

I, \_\_\_\_\_ (NAME OF SIGNATORY PARTY), \_\_\_\_\_ (TITLE) do hereby state:

(1) That I pay or supervise the payment of the persons employed by: \_\_\_\_\_ (CONTRACTOR, SUBCONTRACTOR OR SURETY) on the \_\_\_\_\_ (BUILDING OR WORK) \_\_\_\_\_, that during the payroll period commencing on the \_\_\_\_\_ day of \_\_\_\_\_ (MONTH), \_\_\_\_\_ (YEAR), and ending the \_\_\_\_\_ day of \_\_\_\_\_ (MONTH), \_\_\_\_\_ (YEAR), all persons employed on said project have been paid the full weekly wages earned, that no rebates have been or will be made either directly or indirectly to or on behalf of said \_\_\_\_\_ (CONTRACTOR, SUBCONTRACTOR OR SURETY) from the full weekly wages earned by any person, and that no deductions have been made either directly or indirectly from the full wages earned by any person, other than permissible deductions as specified in ORS 652.610, and as defined in Regulations, Part 3 (29 CFR Subtitle A), issued by the Secretary of Labor under the Copeland Act, as amended (48 Stat. 948, 63 Stat. 108, 72 Stat. 967; 76 Stat. 357; 40 U.S.C. 276c), and described below:

(2) That any payrolls otherwise under this contract required to be submitted for the above period are correct and complete; that the wage rates for workers contained therein are not less than the applicable wage rates contained in any wage determination incorporated into the contract; that the classifications set forth therein for each worker conform with work performed.

(3) That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with a state apprenticeship agency recognized by the Bureau of Apprenticeship and Training, United States Department of Labor, or if no such recognized agency exists in a state, are registered with the Bureau of Apprenticeship and Training, United States Department of Labor.

I HAVE READ THIS CERTIFIED STATEMENT, KNOW THE CONTENTS THEREOF AND IT IS TRUE TO MY KNOWLEDGE:

\_\_\_\_\_  
 (NAME AND TITLE)  
 \_\_\_\_\_  
 (SIGNATURE AND DATE)

In addition to completing sections (1) - (3), if your project is subject to the federal Davis-Bacon Act requirements, complete the following section as well:

- (4) That:
- (a) WHERE FRINGE BENEFITS ARE PAID TO APPROVED PLANS, FUNDS OR PROGRAMS
- In addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits as listed in the contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in Section 4(c) below.
- (b) WHERE FRINGE BENEFITS ARE PAID IN CASH
- Each laborer or mechanic listed in the above referenced payroll has been paid, as indicated on the payroll, an amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as listed in the contract, except as noted in Section 4(c) below.

(c) EXCEPTIONS:

EXCEPTION (CRAFT)	EXPLANATION

REMARKS:

NAME AND TITLE

SIGNATURE

THE WILLFUL FALSIFICATION OF ANY OF THE ABOVE STATEMENTS MAY SUBJECT THE CONTRACTOR OR SUBCONTRACTOR TO CIVIL OR CRIMINAL PROSECUTION. SEE SECTION 1001 OF TITLE 18 AND SECTION 231 OF TITLE 31 OF THE UNITED STATES CODE.

**FILE THIS FORM WITH THE PUBLIC AGENCY ASSOCIATED WITH THE PROJECT**  
**NOTE TO CONTRACTORS: YOU MUST ATTACH COPIES OF THIS FORM TO EACH OF YOUR PAYROLL SUBMISSIONS ON THIS PROJECT.**  
**INSTRUCTIONS AND ADDITIONAL FORMS ARE AVAILABLE ON OUR WEBSITE: WWW.OREGON.GOV/BOLI.**



CONTRACT FEE SECTION  
PREVAILING WAGE RATE UNIT  
BUREAU OF LABOR AND INDUSTRIES  
800 N.E. OREGON ST., #1045  
PORTLAND, OR 97232-2180  
PHONE: (971) 673-0852  
FAX: (971) 673-0769

For Office Use Only:

Project DB #: \_\_\_\_\_

## PUBLIC WORKS FEE INFORMATION FORM

For use by public agencies that have contracted with a contractor on a public works project regulated by ORS 279C.800 to 279C.870, in compliance with ORS 279C.825. Also for use by public agencies that are a party to a public works project pursuant to ORS 279C.800(6)(a)(B) or (C).

**PUBLIC AGENCIES:** Please complete and mail this form to BOLI at the above address, along with the public works fee of one-tenth of one percent of the contract price (contract amount x .001), payable to BOLI. **The minimum fee is \$250.00; the maximum fee is \$7,500.00.** Without the following completed information, the bureau may be unable to properly credit you for payment received.

**PUBLIC AGENCY:** \_\_\_\_\_ **AGENCY #:** \_\_\_\_\_

**AGENCY MAILING ADDRESS:** \_\_\_\_\_

**CITY, STATE, ZIP** \_\_\_\_\_

**AGENCY CONTACT PERSON:** \_\_\_\_\_ **PHONE:** ( ) \_\_\_\_\_

**PROJECT MANAGER NAME:** \_\_\_\_\_ **PHONE:** ( ) \_\_\_\_\_

**PROJECT NAME:** \_\_\_\_\_

**CONTRACT NAME (if part of larger project):** \_\_\_\_\_

**PROJECT LOCATION:** \_\_\_\_\_

**PROJECT NO:** \_\_\_\_\_ **DATE CONTRACT FIRST ADVERTISED:** \_\_\_\_\_

**DATE CONTRACT AWARDED:** \_\_\_\_\_ **CONTRACTOR CCB#:** \_\_\_\_\_

**CONTRACTOR BUSINESS NAME (DBA):** \_\_\_\_\_

**CONTRACTOR ADDRESS:** \_\_\_\_\_

**CITY, STATE ZIP** \_\_\_\_\_

**CONTRACT AMOUNT: \$** \_\_\_\_\_ **FEE AMOUNT DUE/PAID: \$** \_\_\_\_\_

If less than \$50K is it part of a larger project?  yes  no Contract amount x .001 = fee due

(Please duplicate this form for future use.)



CONTRACT FEE SECTION  
PREVAILING WAGE RATE UNIT  
BUREAU OF LABOR AND INDUSTRIES  
800 N.E. OREGON ST., #1045  
PORTLAND, OR 97232-2180  
PHONE: (971) 673-0852  
FAX: (971) 673-0769

<b>For Office Use Only:</b>
Project DB #: _____

## PUBLIC WORKS FEE ADJUSTMENT FORM

### THIS FORM TO BE USED FOR RECONCILIATION OF FEES UPON COMPLETION OF PUBLIC WORKS PROJECTS

(As required by ORS 279C.825 and OAR 839-025-0210)

**PUBLIC AGENCIES:** Complete and mail this form to BOLI at the above address after completion of the public work project and not less than 30 days after the final progress payment is made to the contractor. Public agencies are required to determine the final contract price, including all change orders or other adjustments to the original contract price, and to calculate the adjusted prevailing wage rate fee based on the revised contract price. Documentation must be included to support the final contract price. Documentation of the final contract price may consist of change orders or other contract documents substantiating the amount of the contract. The prevailing wage rate fee of one-tenth of one percent (.001) shall be applied to the final contract price, with credit taken for fees already submitted. The public agency must submit any additional fee payable to BOLI, or submit any request for refund, with this adjustment form. **THE MINIMUM FEE IS \$250.00; THE MAXIMUM FEE IS \$7,500.00. NO ADDITIONAL FEE IS REQUIRED TO BE PAID, AND REFUNDS WILL NOT BE MADE, IF THE BALANCE DUE OR THE REFUND DUE IS LESS THAN \$100.00.**

**PUBLIC AGENCY:** \_\_\_\_\_ **AGENCY #:** \_\_\_\_\_

**AGENCY CONTACT PERSON:** \_\_\_\_\_ **PHONE :** ( ) \_\_\_\_\_

**MAILING ADDRESS:** \_\_\_\_\_

**PROJECT NAME:** \_\_\_\_\_

**CONTRACT NAME (if part of larger project):** \_\_\_\_\_

**PROJECT NUMBER:** \_\_\_\_\_ **PROJECT LOCATION:** \_\_\_\_\_

**CONTRACTOR/BUSINESS NAME (DBA):** \_\_\_\_\_

**CONTRACTOR CCB#:** \_\_\_\_\_ **DATE AWARDED:** \_\_\_\_\_

**FINAL CONTRACT/PROJECT AMOUNT:** \_\_\_\_\_ **FINAL FEE DUE:** \_\_\_\_\_  
(Include all change orders and adjustments to the contract price) (Final Contract amount X .001)

**ORIGINAL CONTRACT AMOUNT:** \_\_\_\_\_ **INITIAL FEE PAID:** \_\_\_\_\_  
(Original Contract amount X .001)

**TOTAL ADJUSTMENT:** \_\_\_\_\_ **BALANCE DUE\*:** \_\_\_\_\_

or

**REFUND DUE\*:** \_\_\_\_\_

\*Final contract fee less initial fee paid

<b>Sample Calculation:</b>			
<b>Final Contract Amount:</b>	<b>\$ 400,000.00</b>	<b>Final Fee Due:</b>	<b>\$ 400.00</b>
<b>Original Contract Amount:</b>	<b>- 300,000.00</b>	<b>Initial Fee Paid:</b>	<b>- 300.00</b>
<b>Total Adjustment:</b>	<b>\$ 100,000.00</b>	<b>Additional Amount Due:</b>	<b>\$ 100.00</b>

(Please duplicate this form for future use)



**BUREAU OF LABOR AND INDUSTRIES  
NOTICE OF PUBLIC WORKS**  
(For use by public agencies in complying with ORS 279C.835)

**For Office Use Only:**  
Project DB #: \_\_\_\_\_

**NOTE: ORS 279C.835 requires that public contracting agencies include with this form a copy of the disclosure of first-tier subcontractors submitted pursuant to ORS 279C.370.**

**PUBLIC AGENCY INFORMATION**

Agency Name: \_\_\_\_\_ Agency Number (if known): \_\_\_\_\_  
Address: \_\_\_\_\_ Agency Division: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Agency Representative: \_\_\_\_\_ Phone: \_\_\_\_\_

**SECTION A: To be completed when a public agency awards a contract to a contractor for a public works project, including CM/GC projects. (See reverse for public works projects in which no public agency awards a contract to a contractor.)**

**CONTRACT INFORMATION:**

Project Name: \_\_\_\_\_ Project Number: \_\_\_\_\_  
Contract Name (if part of larger project): \_\_\_\_\_ Contract Number: \_\_\_\_\_  
Project Manager Name: \_\_\_\_\_ Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
Project Location (Street(s), City): \_\_\_\_\_ Project County: \_\_\_\_\_  
Contract Amount: \$ \_\_\_\_\_ If under \$50,000, is this contract part of a larger project? YES \_\_\_ NO \_\_\_  
If yes, total project amount: \$ \_\_\_\_\_  
Will project use federal funds that require compliance with the Davis-Bacon Act? YES \_\_\_ NO \_\_\_  
Date Contract Specifications First Advertised for Bid (if not advertised, date of RFP or first contact with contractor): \_\_\_\_\_  
If CM/GC Contract, Date Contract Became a Public Works Contract (see OAR 839-025-0020(6)): \_\_\_\_\_  
Date Contract Awarded: \_\_\_\_\_ Date Work Expected to Begin: \_\_\_\_\_  
Date Work Expected to be Complete: \_\_\_\_\_

**PRIME CONTRACTOR INFORMATION:**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State Zip: \_\_\_\_\_ Phone: \_\_\_\_\_  
Construction Contractors Board Registration Number: \_\_\_\_\_  
Name of Bonding Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Agent Name and Phone Number: \_\_\_\_\_  
Payment Bond Number: \_\_\_\_\_

Copy of first-tier subcontractors attached (see NOTE above).

**THIS FORM WILL BE RETURNED TO THE PUBLIC AGENCY FOR CORRECTION AND RESUBMITTAL IF INCOMPLETE.**

**SECTION B: To be completed when a project is a public works pursuant to ORS 279C.800(6)(a)(B) (a project for the construction, reconstruction, major renovation or painting of a privately owned road, highway, building, structure or improvement of any type that uses funds of a private entity and \$750,000 or more of funds of a public agency) and no public agency awards a contract to a contractor.**

**CONTRACT INFORMATION:**

Name of Project Owner: \_\_\_\_\_ Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
Project Name: \_\_\_\_\_ Project Number: \_\_\_\_\_  
Project Location (Street(s), City): \_\_\_\_\_ Project County: \_\_\_\_\_  
Total Project Amount: \$ \_\_\_\_\_ Amount of Public Funds Provided for the project: \$ \_\_\_\_\_  
Name(s) of Public Agency (ies) Providing Public Funds: \_\_\_\_\_  
Date the public agency or agencies commit to the provision of funds for the project: \_\_\_\_\_  
Will project use federal funds that require compliance with the Davis-Bacon Act? YES \_\_\_\_\_ NO \_\_\_\_\_  
Date Work Expected to Begin: \_\_\_\_\_  
Date Work Expected to be Complete: \_\_\_\_\_

**SECTION C: To be completed when a project is a public works pursuant to ORS 279C.800(6)(a)(C) (a project for the construction of a privately owned road, highway, building, structure or improvement of any type that uses funds of a private entity and in which 25 percent or more of the square footage of the completed project will be occupied or used by a public agency) and no public agency awards a contract to a contractor.**

**CONTRACT INFORMATION:**

Name of Project Owner: \_\_\_\_\_ Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
Project Name: \_\_\_\_\_ Project Number: \_\_\_\_\_  
Project Location (Street(s), City): \_\_\_\_\_ Project County: \_\_\_\_\_  
Total Project Amount: \$ \_\_\_\_\_ Amount of Public Funds Provided for the project: \$ \_\_\_\_\_  
Name(s) of Public Agency(ies) Providing Public Funds: \_\_\_\_\_  
Total square footage of privately owned road, highway, building, structure or improvement: \_\_\_\_\_  
Percent of total square footage of the completed project that will be occupied or used by a public agency: \_\_\_\_\_  
Date the public agency or agencies entered into an agreement to occupy or use the completed project: \_\_\_\_\_  
Will project use federal funds that require compliance with the Davis-Bacon Act? YES \_\_\_\_\_ NO \_\_\_\_\_  
Date Work Expected to Begin: \_\_\_\_\_  
Date Work Expected to be Complete: \_\_\_\_\_

**THIS FORM WILL BE RETURNED TO THE PUBLIC AGENCY FOR CORRECTION AND RESUBMITTAL IF INCOMPLETE.**

Signature of agency representative completing form: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Phone #: \_\_\_\_\_ Date: \_\_\_\_\_

RETURN THIS COMPLETED FORM TO:

Prevailing Wage Rate Unit • Bureau of Labor and Industries • 800 NE Oregon Street, #1045 • Portland, OR 97232-2180  
Telephone (971) 673-0852 • FAX (971) 673-0769 • [pwemail@boli.state.or.us](mailto:pwemail@boli.state.or.us)





## PLANNED PUBLIC IMPROVEMENT SUMMARY

FISCAL YEAR: \_\_\_\_\_ - \_\_\_\_\_ (Name of State or Local Government Agency) PAGE \_\_\_\_\_ OF \_\_\_\_\_

Project Number	Project Name	Project Type	Project Location	Estimated Project Cost	Agency or Contract Work

ORS 279C.305 requires that not less than 30 days prior to adoption of its budget for the subsequent budget period, each public agency shall prepare and file with the Commissioner of the Bureau of Labor and Industries a list of every public improvement known to the agency that the agency plans to fund in the budget period, identifying each improvement by name and estimating the total on-site construction costs. The list shall also contain a statement as to whether the agency intends to perform the construction by a private contractor. If the agency intends to perform construction work using the agency's own equipment and personnel on a project estimated to cost more than \$125,000, the agency must also show that its decision conforms to the state's policy that public agencies make every effort to construct public improvements at the least cost to the public agency. Public agencies are required to keep and preserve a full, true and accurate account of the costs of performing the work, including all engineering and administrative expenses, and the cost, including investment costs, of any equipment used.

This form (WH-118) may be used to list planned public improvements. Form WH-119 (Capital Improvement Project Cost Comparison Estimate) may be used to report the agency's least cost analysis.

Completed forms should be mailed to:

Prevailing Wage Rate Unit  
 Wage and Hour Division, #1045  
 Bureau of Labor and Industries  
 800 N.E. Oregon St.  
 Portland, OR 97232-2180



# CAPITAL IMPROVEMENT PROJECT COST COMPARISON ESTIMATE

\_\_\_\_\_  
(Name of State or Local Government Agency)

DEPARTMENT: \_\_\_\_\_ PROJECT NAME: \_\_\_\_\_  
 PROPOSED YEAR: \_\_\_\_\_ FUND: \_\_\_\_\_  
 PROJECT DESCRIPTION: \_\_\_\_\_ PROJECT NUMBER: \_\_\_\_\_

Rough Quantity Estimates	Units	Work Class Description	Agency Force Estimate		Agency Contract Estimate	
			Unit Cost	Total Cost	Unit Cost	Total Cost
				\$		\$

ESTIMATED CONSTRUCTION PERIOD: \_\_\_\_\_

The above-named agency has determined that this project can be performed at the least cost by:  the Agency  Contractor (check one)

\_\_\_\_\_  
(Signature of Agency Official)

ORS 279C.305 requires that not less than 30 days prior to adoption of its budget for the subsequent budget period, each public agency shall prepare and file with the Commissioner of the Bureau of Labor and Industries a list of every public improvement known to the agency that the agency plans to fund in the budget period, identifying each improvement by name and estimating the total on-site construction costs. The list shall also contain a statement as to whether the agency intends to perform the construction by a private contractor. If the agency intends to perform construction work using the agency's own equipment and personnel on a project estimated to cost more than \$125,000, the agency must also show that its decision conforms to the state's policy that public agencies make every effort to construct public improvements at the least cost to the public agency. Public agencies are required to keep and preserve a full, true and accurate account of the costs of performing the work, including all engineering and administrative expenses, and the cost, including investment costs, of any equipment used.

Form WH-118 (Planned Public Improvement Summary) may be used to list planned public improvements. This form (WH-119) may be used to report the agency's least cost analysis.

Completed forms should be mailed to:  
 Prevailing Wage Rate Unit  
 Wage and Hour Division, #1045  
 Bureau of Labor and Industries  
 800 N.E. Oregon St.  
 Portland, OR 97232-2180

The 2012 edition of the *Prevailing Wage Rate Laws* handbook is available. One complimentary hard copy of each Prevailing Wage Rate (PWR) publication is available upon request by emailing BOLI at [pwremail@boli.state.or.us](mailto:pwremail@boli.state.or.us) or calling (971) 673-0838. Additional copies are available at cost, plus postage.

In addition to providing this and other PWR publications, the Bureau of Labor and Industries' PWR Unit regularly offers free, informational seminars for both public agencies and contractors.

Prior to responding below, please consider that all PWR-related information is available online at <http://www.oregon.gov/BOLI/WHD/PWR/Pages/index.aspx>. If you are interested in receiving the handbook and/or being included on our mailing lists for future seminar notifications, please complete the form below and return it to the bureau's PWR Unit. You may mail this form to the address on the opposite side of the form, or fax it to (971) 673-2372.

- 
- Please send me the 2012 edition of the *Prevailing Wage Rate Laws* handbook.
  - Please add me to the mailing list to receive information about BOLI PWR seminars.
  - Please add me to the e-mailing list to receive information about BOLI PWR seminars.

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AGENCY OR CONTRACTOR BUSINESS NAME and PHONE NUMBER (Required)

---

AGENCY OR CONTRACTOR BUSINESS E-MAIL ADDRESS (Please print clearly)

---

MAILING ADDRESS

---

CITY, STATE, ZIP

---

NAME OF REPRESENTATIVE and PHONE NUMBER if different from above.



**ACORD™ CERTIFICATE OF LIABILITY INSURANCE** DATE (MM/DD/YY)

<b>PRODUCER</b> Your Insurance Agency Address City, State, Zip <b>***MUST BE FILLED IN</b>	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.  <b>INSURERS AFFORDING COVERAGE</b>
<b>INSURED</b> Your Company Name Address City, State, Zip <b>***MUST BE FILLED IN</b>	INSURER A: <b>***MUST MATCH NAME ON ENDORSEMENT</b> INSURER B: INSURER C: INSURER D: INSURER E:

**COVERAGES**  
 THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS												
	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	<b>***MUST BE FILLED IN</b>			EACH OCCURRENCE \$ 1,000,000 FIRE DAMAGE (Any one fire) \$ 200,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$												
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	<b>***MUST BE FILLED IN</b>			COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000  BODILY INJURY (Per person) \$  BODILY INJURY (Per accident) \$  PROPERTY DAMAGE (Per accident) \$												
	<b>GARAGE LIABILITY</b> <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$  OTHER THAN EA ACC \$ AUTO ONLY: AGG \$												
<b>B</b>	<b>EXCESS LIABILITY</b> <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE  <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION	<b>***MUST BE FILLED IN</b>			EACH OCCURRENCE \$ 3,000,000 AGGREGATE \$ 3,000,000  \$ \$ \$												
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> <b>***MUST LIST NAME OF COMPANY</b>	<b>***MUST BE FILLED IN</b>			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">WC STATU-TORY LIMITS</td> <td style="width: 30%;">OTH-ER</td> <td>\$</td> </tr> <tr> <td colspan="2">E.L. EACH ACCIDENT</td> <td>\$ 1,000,000</td> </tr> <tr> <td colspan="2">E.L. DISEASE - EA EMPLOYEE</td> <td>\$ 1,000,000</td> </tr> <tr> <td colspan="2">E.L. DISEASE - POLICY LIMIT</td> <td>\$ 1,000,000</td> </tr> </table>	WC STATU-TORY LIMITS	OTH-ER	\$	E.L. EACH ACCIDENT		\$ 1,000,000	E.L. DISEASE - EA EMPLOYEE		\$ 1,000,000	E.L. DISEASE - POLICY LIMIT		\$ 1,000,000
WC STATU-TORY LIMITS	OTH-ER	\$															
E.L. EACH ACCIDENT		\$ 1,000,000															
E.L. DISEASE - EA EMPLOYEE		\$ 1,000,000															
E.L. DISEASE - POLICY LIMIT		\$ 1,000,000															
	<b>OTHER</b>																

**DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS**  
 It is hereby understood and agreed that Lease Crutcher Lewis, LLC, University of Oregon and The Board of Higher Education are named additional Insured per for CG 2010 11/85 or equivalent regarding University of Oregon-EMU Expansion and Renovation. Coverages shown are primary and non-contributory in relation to coverages carried by the certificate holder an owner. A waiver of right of subrogation exists in favor of certificate holder and project owner. **\*\*\*THIS WORDING IS MANDATORY**

<b>CERTIFICATE HOLDER</b>	ADDITIONAL INSURED; INSURER LETTER: _____	<b>CANCELLATION</b>
Lease Crutcher Lewis, LLC 550 SW 12 <sup>th</sup> Avenue Portland, Oregon 97205		SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. <b>*****MUST BE STRICKEN</b> AUTHORIZED REPRESENTATIVE

POLICY NUMBER: \_\_\_\_\_  
NAMED INSURED: \_\_\_\_\_

COMMERCIAL GENERAL LIABILITY

This Endorsement Changes the Policy. Please read it carefully.

### **Additional Insured – Owners, Lessees or Contractors (Form B)**

This endorsement modifies insurance provided under the following

**COMMERCIAL GENERAL LIABILITY COVERAGE PART.**

#### **Name of Persons or Organization:**

- *Lease Crutcher Lewis, LLC*
- *University of Oregon and the State of Oregon, its departments, divisions, officers and employees*

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

WHO IS AN INSURED (Section II) is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of **“your work”** for that insured by or for you.

- **Please Note – The following endorsements are required with the certificate:**
- **GL Additional Insured covering ongoing and completed operations**
- **GL & WC Waiver of Subrogation**
- **Primary Non-contributory**