



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301-1271
(503) 986-0900
www.wrd.state.or.us

Application for Limited Water Use License

License No.: HL-2036

Applicant Information

NAME Bill Warncke, Oregon Department of Transportation/Interstate Bridge Replacement Program			PHONE (HM)
PHONE (WK) 503-347-8178	CELL		FAX
ADDRESS Interstate Bridge Replacement Program Office, 500 East Broadway Suite 200			
CITY Vancouver	STATE WA	ZIP 98660	E-MAIL * bill.warncke@interstatebridge.org

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Agent Information

NAME Dustin Day, WSP USA			PHONE 360-823-6109	FAX
ADDRESS 1207 Washington Street, Suite 115				CELL
CITY Vancouver	STATE WA	ZIP 98660	E-MAIL * dustin.day@interstatebridge.org	

I (We) make application for a Limited License to use the following described surface waters or groundwater – not otherwise exempt, or to use stored water for a use of a short-term or fixed-duration:

- SOURCE(S) OF WATER:** Columbia River a tributary of the Pacific Ocean
- AMOUNT OF WATER** to be diverted;
Maximum and instantaneous rate (cubic feet or gallons per minute): 70 gallons per minute (gpm)
Total volume annually (gallons or acre-feet): 35,000 gallons. If water is to be used from more than one source, give the quantity from each: 3,889 gallons per source

3. INTENDED USE(S) OF WATER: (check all that apply)

- ☐ Road construction or maintenance
☐ General construction
☐ Forestland and rangeland management; or
☒ Other: Geotechnical Investigation, mixing bentonite drilling slurry for in-water borings.

4. IF THE INTENDED USE OF WATER IS FOR IRRIGATION, ONE OF THE FOLLOWING MUST APPLY: (check one of the following)

- ☐ Irrigation if the sole purpose of the use is to provide water necessary to establish a crop for which no further irrigation will be required after the crop is established. ORS 537.143 (6)(a).
☐ Irrigation if the use of water under the limited license is for the use of stored water consistent with the purposes for which the stored water is authorized and the use of water is authorized by a contract between the user and a local, state or federal government. ORS 537.143 (9).

- DESCRIPTION OF PROPOSED PROJECT:** Include a description of the place of use as shown on the accompanying site map, the method of water diversion, the type of equipment to be used (including pump horsepower, if applicable), length and dimensions of supply ditches and pipelines:
- PROJECT SCHEDULE:** (List day, month, and year)
Date water use will begin: October 1st, 2026
Date water use will be completed: December 31st, 2027
Months of the year water would be diverted and used: October, November, December, January, February, March, April, May, June, July, August, September, October, November, December

If for other than irrigation from stored water, how and where will water be discharged after use:

All slurry and used drilling fluids will be contained on the barge or in containment tubs, transferred to 55 gallon drums or other approved containers, and be transported to an appropriately permitted disposal facility on land.

WARNCKE
William

Applicant Signature

Digitally signed by
WARNCKE William
Date: 2026.08.05
10:54:02 -07'00'

Bill Warncke, Deputy
Environmental Manager

Print Name and title if applicable

8/5/26

Date

PLEASE READ CAREFULLY

NOTE: A Water Availability Statement Form completed by the local watermaster, Land Use Information Form completed by the local Planning Department, fees and site map meeting the requirements of OAR 690-305-0010 must accompany this request. The fee for this request is **\$280** for the first point of diversion plus **\$30** for each additional point of diversion. Please review the Department's fee schedule to view fees required to request a limited license for Aquifer Storage and Recovery testing purposes or for Artificial Groundwater Recharge testing purposes.

Failure to provide any of the required information will result in return of your application. The license, if granted, will not be issued or replaced by a new license for a period of more than five consecutive years. The license, if granted, will be subordinate to all other authorized uses that rely upon the same source, or water affected by the source, and may be revoked at any time it is determined the use causes injury to any other water right or minimum perennial streamflow.

If water source is well, well logs or adequate information for the Department to determine aquifer, well depth, well seal and open interval, etc. are required. The licensee shall indicate the intended aquifer. If for multiple wells, each map location shall be clearly tied to a well log.

If a limited license is approved, the licensee shall give notice to the Department (Watermaster) at least 15 days in advance of using the water under the Limited License and shall maintain a record of use. The record of use shall include, but need not be limited to, an estimate of the amount of water used, the period of use and the categories of beneficial use to which the water is applied. During the period of the Limited License, the record of use shall be available for review by the Department upon request.

Mapping Requirements (OAR 690-305-0010):

A request for a limited license shall be submitted on a form provided by the Water Resources Department, and shall be accompanied by the following:

A map of reproducible quality, drawn to a standard, even-numbered scale and one-inch shall not exceed 1320 feet, showing:

- Township, range, section, quarter-quarter, and tax lot(s), donation land claims, or government lots where water will be diverted, conveyed, and used.
- Location of each point of diversion referenced by distance and bearing or by coordinates (distance north or south and distance east or west from a recognized public land survey corner). In addition, latitude and longitude coordinates expressed as degrees-decimal with five or more digits after the decimal (e.g., 42.53764°). The datum used to establish the coordinates shall be indicated on the map. Examples of datums include NAD 83, NAD 27 and WGS84.
- Location of the proposed place of use by township, range, section, and quarter-quarter.
- Mapping scale.
- North directional symbol.
- Legend.

Please refer to [OAR 690-305-0010](#) for a complete listing of the mapping requirements.

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DESCRIPTION OF PROPOSED PROJECT:

Place of Use

Location: Nine in-water geotechnical boring locations along the Columbia River near River Mile 106.5, adjacent to the existing Interstate 5 bridge alignment. Map reference: The place of use corresponds to the nine geotechnical boring sites shown on the accompanying site map.

Method of Water Diversion

Source: Water will be diverted directly from the Columbia River. Intake configuration: A portable pump intake fitted with a NOAA/ODFW-compliant fish screen. Suction will occur through a hose positioned approximately 2–3 feet below the water surface. Pump placement: The pump will be mounted on a floating barge.

Type of Equipment to Be Used

Pump type and capacity: A portable centrifugal pump capable of a maximum instantaneous rate of 70 gallons per minute (gpm). Horsepower: The pump will be a small portable unit in the 1.5–3.0 horsepower (HP) range. Operation: The pump will be operated intermittently to support drilling activities. Total project withdrawal is not expected to exceed 35,000 gallons over the duration of the work. Intake hose: A 3/4-inch diameter suction hose will convey water from the river to the pump; the hose will be positioned 2–3 feet below the surface and secured to prevent dragging or disturbance.

Supply Lines and Conveyance

Length: Short suction hose runs of approximately 10–20 feet will be used from the intake to the pump/drill rig. Permanent works: No permanent ditches, pipelines, or in-river structures will be installed. Containment and disposal: All drilling water and slurry will be contained on the barge or upland staging area, managed as slurry, drummed, and hauled off-site for disposal. No return flow will be discharged back to the river.

Quantity from Each Source

Total project maximum instantaneous rate: 70 gpm (pump capacity). Total project annual volume: No more than 35,000 gallons over the duration of the work. Per-source allocation: Because withdrawals will occur at nine individual access points, the total annual volume is divided evenly among the nine sites: approximately 3,889 gallons per site. Pumping will be intermittent and scheduled to meet drilling needs at each site; actual instantaneous flow at any given site will depend on operational requirements but will not exceed the pump's rated capacity.

Project Activities

Borings: Nine in-water borings to depths of approximately 80 to 250 feet below the mudline. Drilling platform: Drilling will be conducted from vehicle-mounted drill rigs on a barge. Access and mobilization: Drill rigs will be truck/vehicle-mounted and placed on the barge for in-water borings; equipment selection will depend on access and site conditions.

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This page to be completed by the local Watermaster.

WATER AVAILABILITY STATEMENT

Name of Applicant: 0001 Limited License Number: LL-2036

1. To your knowledge, has the stream or basin that is the source for this application ever been regulated for prior rights?

☐ Yes ☒ No

If yes, please explain:

2. Based on your observations, would there be water available in the quantity and at the times needed to supply the use proposed by this application?

☒ Yes ☐ No

3. Do you observe this stream system during regular fieldwork?

☒ Yes ☐ No

If yes, what are your observations for the stream?

Water will likely be available for the proposed use.

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4. If the source is a well and if WRD were to determine that there is the potential for substantial interference with nearby surface water sources, would there still be ground water and surface water available during the time requested and in the amount requested without injury to existing water rights?

☐ Yes ☐ No ☒ N/A

What would you recommend for conditions on a limited license that may be issued approving this application?

5. Any other recommendations you would like to make?

Signature Amy Landvoigt WM District #: 20 Date: 5/4/2026

Land Use Information Form



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.oregon.gov/OWRD

NOTE TO APPLICANTS

In order for your application to be processed by the Oregon Water Resources Department (OWRD), this Land Use Information Form must be completed by a local government planning official in the jurisdiction(s) where your water right will be diverted, conveyed, used, and developed. Applications received by OWRD without the Land Use Information Form will be returned to you. Please be aware that your application cannot be approved without land use approval.

This form is NOT required if:

- 1) Water is to be diverted, conveyed, and used on federal lands only; **OR**
- 2) The application is for a water right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and all of the following apply:
 - a. The existing and proposed water use is located entirely within lands zoned for exclusive farm-use or within an irrigation district;
 - b. The application involves a change in place of use only;
 - c. The change does not involve the placement or modification of structures, including but not limited to water diversion, impoundment, distribution facilities, water wells and well houses; and
 - d. The application involves irrigation water uses only.

NOTE TO LOCAL GOVERNMENTS

The person presenting the attached Land Use Information Form is applying for a new water right or modifying an existing water right. The Oregon Water Resources Department (OWRD) requires applicants to obtain land use information to ensure the water right does not result in land uses that are incompatible with your comprehensive plan. Please complete the form and return it to the applicant for inclusion in their application.

You will receive notice via OWRD's weekly Public Notice once the applicant formally submits their request to OWRD. The notice will give more information about OWRD's water right process and provide additional comment opportunities. If you have questions concerning this form, please contact OWRD's Customer Service Group at 503-986-0900 or WRD_DL_customerservice@water.oregon.gov.

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Land Use Information Form



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(503) 986-0900
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NAME Bill Warncke, ODOT		PHONE 503-347-8178		EMAIL bill.warncke@interstatebridge.org	
MAILING ADDRESS 500 East Broadway, Suite 200			CITY Vancouver		STATE WA
					ZIP 98660

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts, may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:			Proposed Land Use:
02N	01E	33	Null	Null	ing (h), PDX Airpo	☒ Diverted	☐ Conveyed	☒ Used	otech Drilling / Te
						☐ Diverted	☐ Conveyed	☐ Used	
						☐ Diverted	☐ Conveyed	☐ Used	
						☐ Diverted	☐ Conveyed	☐ Used	
						☐ Diverted	☐ Conveyed	☐ Used	
						☐ Diverted	☐ Conveyed	☐ Used	
						☐ Diverted	☐ Conveyed	☐ Used	
						☐ Diverted	☐ Conveyed	☐ Used	

List all counties and cities where water is proposed to be diverted, conveyed, and/or used or developed:

Portland, OR

NOTE: A separate Land Use Information Form must be completed and submitted for each county and city, as applicable.

B. Description of Proposed Use

Type of application to be filed with the Oregon Water Resources Department:

- ☐ Permit to Use or Store Water ☐ Water Right Transfer ☐ Permit Amendment or Ground Water Registration Modification
☒ Limited Water Use License ☐ Exchange of Water ☐ Allocation of Conserved Water

Source of water: ☐ Reservoir/Pond ☐ Ground Water ☒ Surface Water (name) Columbia River

Estimated quantity of water needed: 70 ☐ cubic feet per second ☒ gallons per minute ☐ acre-feet

Intended use of water: ☐ Irrigation ☐ Commercial ☐ Industrial ☐ Domestic for _____ household(s)
☐ Municipal ☐ Quasi-Municipal ☐ Instream ☒ Other Geotechnical Testi

Briefly describe:

The proposed project is a geotechnical investigation that will evaluate subsurface conditions and is needed to support the design of the proposed Interstate Bridge replacement bridge across the Columbia River. The project will consist of drilling and collecting nine (9) subsurface samples in Oregon for geotechnical analysis in the vicinity of the replacement bridge into benthic sediment below the ordinary high water mark (OHWM) of the Columbia River to depths that range from 145 feet to a maximum of 320 feet below mudline. The borings will be advanced within a casing to isolate

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For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land use plan. Do not include approval for activities such as building or grading permits.

Please check the appropriate box below and provide the requested information

- ☒ Land uses to be served by the proposed water use(s), including proposed construction, are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): _____
- ☐ Land uses to be served by the proposed water use(s), including proposed construction, involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.) **If approvals have been obtained but all appeal periods have not ended, check "Being Pursued."**

Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued

Local governments are invited to express special land use concerns or make recommendations to the Oregon Water Resources Department regarding this proposed use of water in the box below or on a separate sheet.

Per Portland Zoning Code Subsection 33.10.030.C, Clarification for Waterbodies, the Zoning Code does not regulate dredging or similar activities, such as investigative geotechnical borings, on or in water bodies, except from specific portions of the Willamette River. The proposed activity in the Columbia River is not regulated by the Zoning Code.

If the geotechnical investigative borings on tax lot R323508 are not outside of the mapped 'c' Environmental Conservation Overlay Zone and are not exempt from environmental review per Zoning Code Section 33.430.080, then they will be subject to Land Use Review (Environmental Review) subject to Portland Zoning Code Chapter 33.430. The disturbance occurring as a result of this exploratory testing work can be retroactively included in the required Environmental Review for the Interstate Bridge Replacement Program.

Name: Gina Messa Title: City Planner

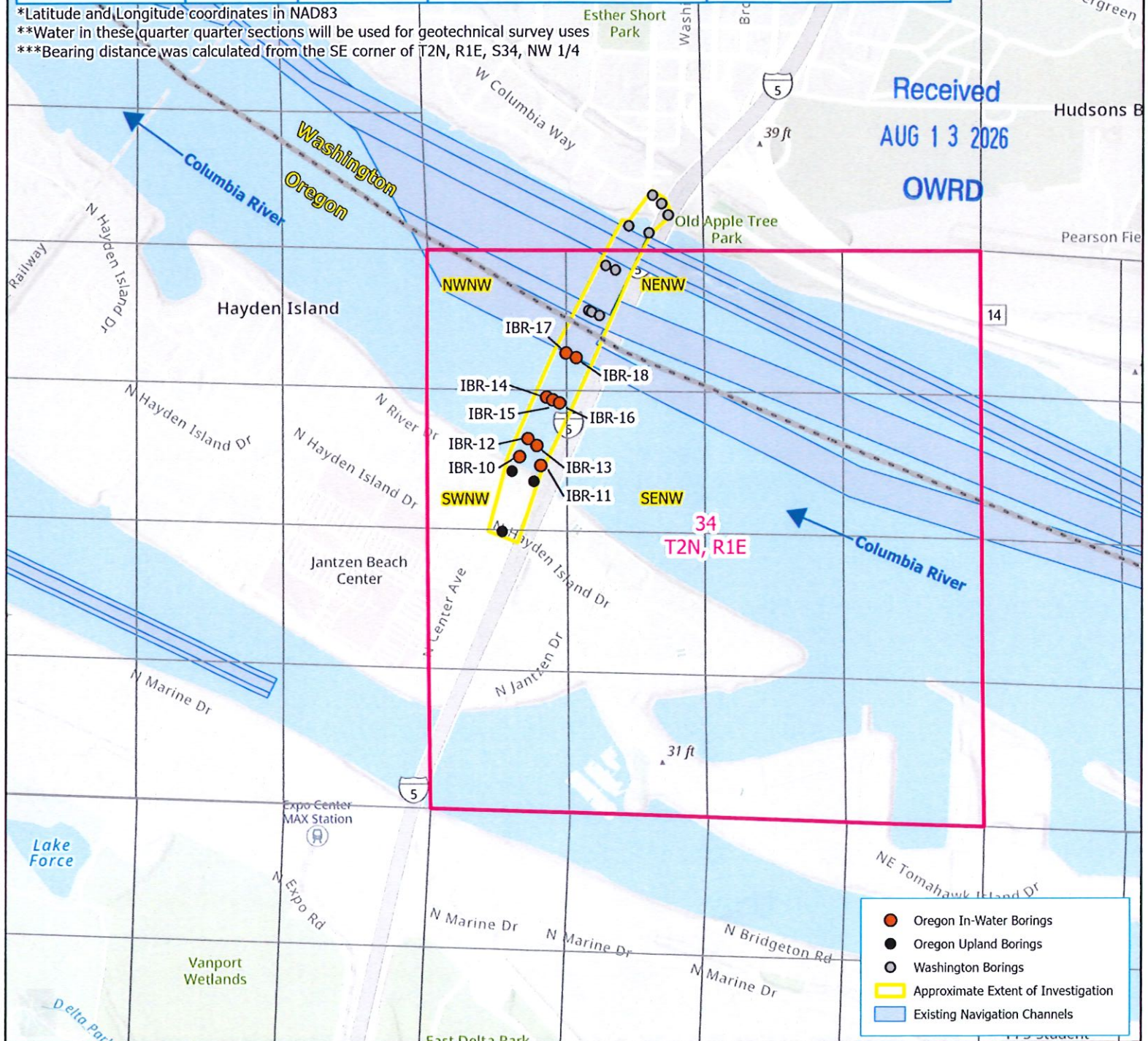
Signature: *Gina Messa* Date: 8/4/26

Government Entity: City of Portland Phone: _____

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Boring Number	Latitude*	Longitude*	Quarter Quarter Section**	Bearing***
IBR-10	45.615293	-122.678438	T2N, R1E, S34, SWNW	715ft North, 1645ft West
IBR-11	45.615077	-122.677653	T2N, R1E, S34, SWNW	590ft North, 1450ft West
IBR-12	45.61576	-122.67815	T2N, R1E, S34, SWNW	890ft North, 1565 West
IBR-13	45.615587	-122.677816	T2N, R1E, S34, SWNW	800ft North, 1480ft West
IBR-14	45.616835	-122.677507	T2N, R1E, S34, SWNW	1270ft North, 1390ft West
IBR-15	45.61677	-122.677285	T2N, R1E, S34, SWNW	1245ft North, 1330ft West
IBR-16	45.616695	-122.677031	T2N, R1E, S34, SWNW	1200ft North, 1265ft West
IBR-17	45.617978	-122.676841	T2N, R1E, S34, NWNW	1660ft North, 1200ft West
IBR-18	45.617865	-122.676458	T2N, R1E, S34, NENW	1590ft North, 1105ft West

*Latitude and Longitude coordinates in NAD83
 **Water in these quarter quarter sections will be used for geotechnical survey uses
 ***Bearing distance was calculated from the SE corner of T2N, R1E, S34, NW 1/4



Proposed Project: Geotechnical Exploration

In: Columbia River
 Near/At: Portland
 State: OR

Location: Along Existing Bridge

Reference No. _____
 Map is for geotechnical borings only and is not a place-of-use map.

Interstate Bridge Replacement Program

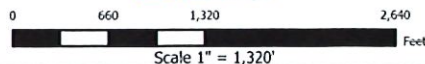


FIGURE 2: BORING LOCATIONS

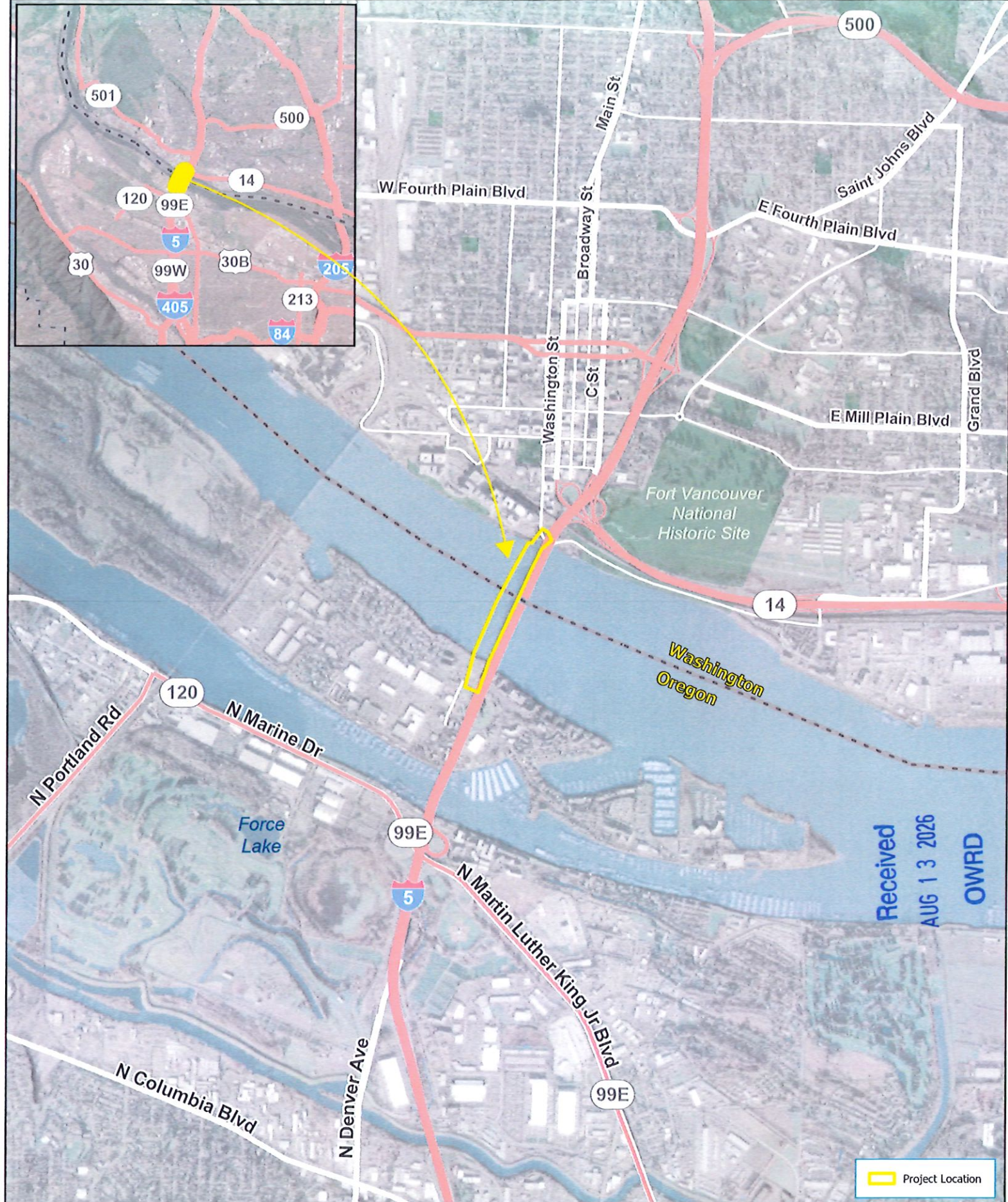
Latitude: 45.6183689°N
 Longitude: 122.6763282°W
 Township: 02N
 Range: 01E
 Section: 34
 Quarter: NW 1/4
 Datum: NAD 83

July 2026



LL-2036

Sheet 2 of 3



Proposed Project: Geotechnical Exploration
 In: Columbia River
 Near/At: Portland
 State: OR

Location: Along Existing Bridge

Reference No. _____
 Map is for geotechnical borings only and is not a place-of-use map.

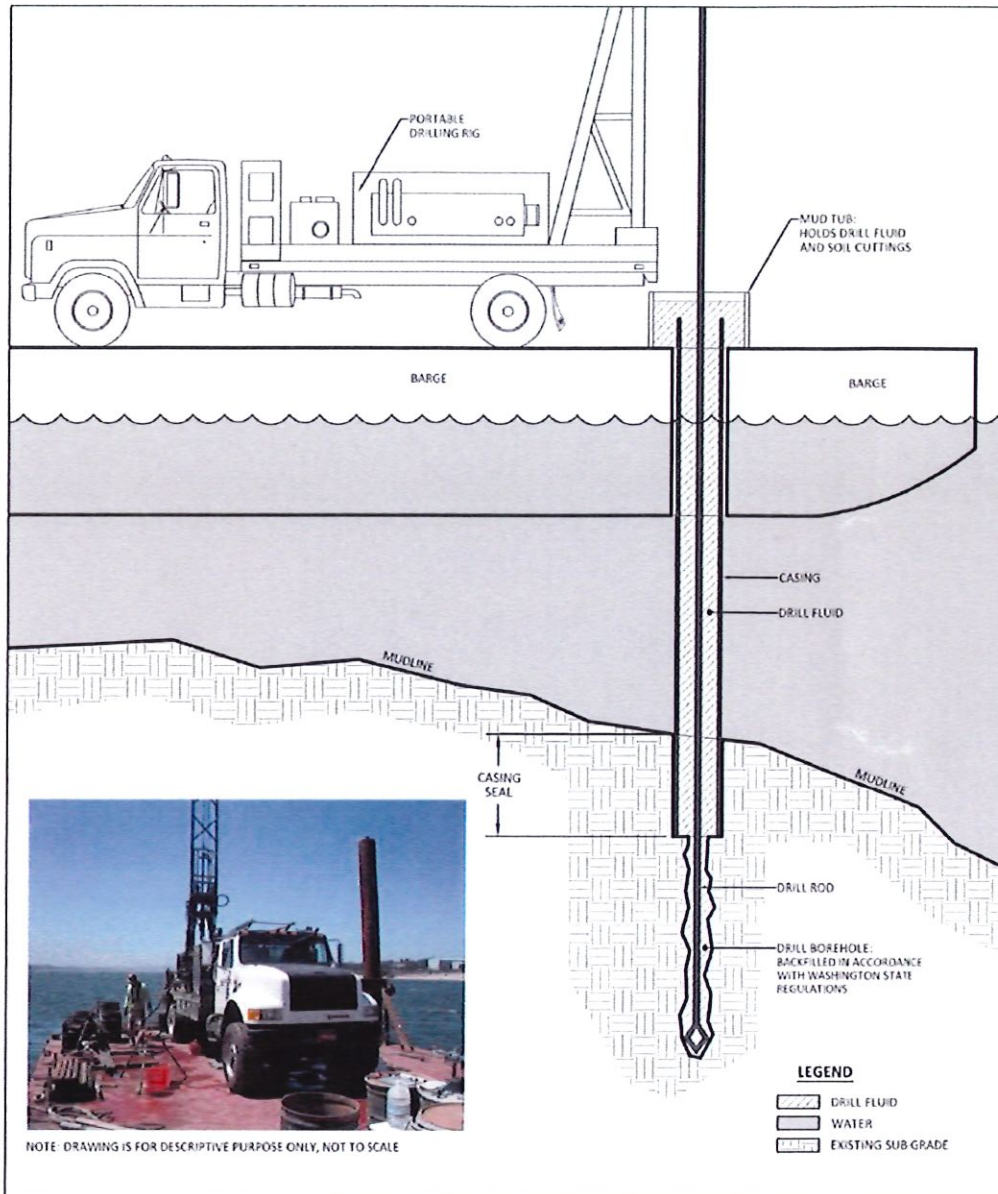
Interstate Bridge Replacement Program





FIGURE 1: LOCATION MAP
 Latitude: 45.6183689°N
 Longitude: 122.6763282°W
 Township: 02N
 Range: 01E
 Section: 34
 Quarter: NW 1/4
 Datum: NAD 83
 July 2026


LL-203C
 Sheet 1 of 3



Example of
portable wheeled
drilling rigs for
borings over water.

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Following completion of the sampling within each borehole, the holes will be sealed using cement grout or cement-bentonite grout. Excess soil will be disposed outside wetlands and waters.

Proposed Project: Geotechnical Exploration

In: Columbia River
Near/At: Portland
State: OR

Location: Along Existing Bridge

Reference No. _____
Map is for geotechnical borings only and is not a place-of-use map.

Interstate Bridge Replacement Program



FIGURE 3: DRILLING OPERATION

Latitude: 45.6183689°N
Longitude: 122.6763282°W
Township: 02N
Range: 01E
Section: 34
Quarter: NW 1/4
Datum: NAD 83

July 2026

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