



# City of Tigard

FINANCE AND INFORMATION SERVICES

Invitation to Bid

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## ADDENDUM #1

### CANTERBURY LANE STORM LINE UPGRADE

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**Bids Due:** Thursday, August 25, 2016

**Addendum Issue Date:** Monday, August 22, 2016

**Submit Bids To:** City of Tigard – Contracts & Purchasing Office  
Attn: Joe Barrett, Sr. Management Analyst  
13125 SW Hall Blvd.  
Tigard, Oregon 97223

**Direct Questions To:** Joe Barrett, Sr. Management Analyst  
Phone: (503) 718-2477  
Email: [joseph@tigard-or.gov](mailto:joseph@tigard-or.gov)

**Total Page of this Addendum:** 6

#### ODOT Permit Conditions

Attached is the ODOT permit conditions noted in section 225.05 of the Special Provisions.



**APPLICATION AND PERMIT TO OCCUPY OR  
PERFORM OPERATIONS UPON A STATE HIGHWAY**

See Oregon Administrative Rule, Chapter 734, Division 55

2BM41023  
PERMIT NUMBER

2BM41053

CLASS: 5    KEY#

<b>GENERAL LOCATION</b>				<b>PURPOSE OF APPLICATION (TO CONSTRUCT/OPERATE/MAINTAIN)</b>			
HIGHWAY NAME AND ROUTE NUMBER OR-99W / 1W(91) / Pacific Highway West				<input type="checkbox"/> POLE LINE	TYPE	MIN. VERT. CLEARANCE	
HIGHWAY NUMBER 1W	COUNTY Washington			<input type="checkbox"/> BURIED CABLE	TYPE		
BETWEEN OR NEAR LANDMARKS SW Canterbury				<input type="checkbox"/> PIPE LINE	TYPE		
HWY. REFERENCE MAP Straight Line	DESIGNATED FREEWAY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	IN U.S. FOREST <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<input type="checkbox"/> NON-COMMERCIAL SIGN	FEE AMOUNT		
APPLICANT NAME AND ADDRESS City Of Tigard - Engineering 13125 Sw Hall Blvd Tigard, OR 97223 Attn: Andrew Newbury 503 718 2472				<input checked="" type="checkbox"/> MISCELLANEOUS OPERATIONS AND/OR FACILITIES AS DESCRIBED BELOW			
				<b>FOR ODOT USE ONLY</b>			
BOND REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		REFERENCE: OAR 734-55-035(2)		AMOUNT OF BOND			
INSURANCE REQUIRED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		REFERENCE: OAR 734-55-035(1)		SPECIFIED COMP. DATE 12/31/16			

**DETAIL LOCATION OF FACILITY(For more space attach additional sheets)**

MILE POINT	TO MILE POINT	ENGINEERS STATION	ENGINEERS TO STATION	SIDE OF HWY OR ANGLE OF CROSSING	DISTANCE FROM		BURIED CABLE OR PIPE		SPAN LENGTH
					CENTER OF PVMT	R/W LINE	DEPTH/VERT.	SIZE AND KIND	
10.54	10.55			L/ North bound side					

**DESCRIPTION AND LOCATION OF NON-COMMERCIAL SIGNS OR MISCELLANEOUS OPERATIONS FACILITIES**

Permit is issued for pot hole investigatory work for future storm water work project. All work and traffic control shall be to ODOT standards and specifications. Pot hole shall be filled with non shrink grout from ODOT QPL. Work hrs are 9am to 3pm

**SPECIAL PROVISIONS (FOR MORE SPACE ATTACH ADDITIONAL SHEETS)**

- TRAFFIC CONTROL REQUIRED     YES [OAR 734-55-025(6)]     NO
- OPEN CUTTING OF PAVED OR SURFACED AREAS ALLOWED?     YES [OAR 734-55-100(2)]     NO [OAR 734-55-100(1)]
- ◆ AT LEAST 48 HOURS BEFORE BEGINNING WORK, THE APPLICANT OR HIS CONTRACTOR SHALL NOTIFY THE DISTRICT REPRESENTATIVE AT TELEPHONE NUMBER: 971 673 6200 Jim  
OR FAX A COPY OF THIS PAGE TO THE DISTRICT OFFICE AT: 503 653 5655    SPECIFY TIME AND DATE IN THE SPACE BELOW.
- ◆ A COPY OF THIS PERMIT AND ALL ATTACHMENTS SHALL BE AVAILABLE AT THE WORK AREA DURING CONSTRUCTION.
- ◆ ATTENTION: Oregon Law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center at (503) 232-1987.  
**CALL BEFORE YOU DIG 1-800-332-2344**

**COMMENTS - ODOT USE ONLY**

- Work will comply with permit, attached provisions (4pg.), and approved plans to satisfaction of District Manager or representative.
- Work not in compliance shall be removed, repaired to meet ODOT standards, approval by District Manager or representative.
- Applicant shall call 503 969 1035 for any electrical locates within ODOT's right of way prior to starting any work

IF THE PROPOSED APPLICATION WILL AFFECT THE LOCAL GOVERNMENT, THE APPLICANT SHALL ACQUIRE THE LOCAL GOVERNMENT OFFICIAL'S SIGNATURE BEFORE ACQUIRING THE DISTRICT MANAGER'S SIGNATURE.

LOCAL GOVERNMENT OFFICIAL SIGNATURE <i>X Andrew Newbury</i>		TITLE <i>Sr. Project Engineer</i>	DATE <i>5/11/16</i>
APPLICANT SIGNATURE <i>X Andrew Newbury</i>	APPLICATION DATE <i>5/11/16</i>	TITLE <i>Sr. Project Engineer</i>	TELEPHONE NO. <i>503-718-2472</i>
When this application is approved by the Department, the applicant is subject to, accepts and approves the terms and provisions contained and attached: and the terms of Oregon Administrative Rules, Chapter 734, Division 55, which is by this reference made a part of this permit.			DISTRICT MANAGER OR REPRESENTATIVE <i>X [Signature]</i>
			APPROVAL DATE <i>5/12/16</i>



# GENERAL PROVISIONS FOR POLELINE, PIPELINE, BURIED CABLE, AND MISCELLANEOUS PERMITS

Revised January 2015

<b>APPLICANT: CITY OF TIGARD</b>	
<b>HIGHWAY: 1W</b>	<b>MP: 10.54 - 10.55</b>

All checked (☒) provisions apply.

## WORKSITE

- 1. Permittee must call for utility locates before digging ("Call Before You Dig!" 1-800-332-2344 or 8-1-1) per Oregon Administrative Rules (Chapter 952, Division 1). You may be held liable for damages. Premarking of excavation areas is required.
- 2. Permittee shall have a copy of this permit and all attachments at the work site. They shall be available to the District Manager or representative at their request.
- 3. Permittee shall acknowledge, in writing, receipt and review of Oregon Administrative Rules (Chapter 734, Division 55) governing miscellaneous facilities and operations on the highway right of way as the governing provisions of permit or agreement. Copies of this rule may be obtained from any district maintenance office.
- 4. Permittee shall review the Oregon Administrative Rules (Chapter 734 Division 55) governing miscellaneous facilities and operations on the highway right of way as the governing provisions of this permit or agreement. Web site: [http://arcweb.sos.state.or.us/rules/OARS\\_700/OAR\\_734/734\\_055.html](http://arcweb.sos.state.or.us/rules/OARS_700/OAR_734/734_055.html)
- 5. Access control fence must be maintained during construction and restored to its original or better condition after construction is complete.
- 6. The permittee shall not use state highway right of way to display advertising signs or merchandise of any kind.
- 7. The stopping and parking of vehicles upon state highway right of way for the maintenance of adjoining property or in furtherance of any business transaction or commercial establishment is strictly prohibited.
- 8. All grass and small brush within the work area shall be rotary or flail mowed to ground level prior to the beginning of work to facilitate clean up.
- 9. Disturbed areas shall be reseeded with grass native to the area in an appropriate seeding time.
- 10. The spreading of mud or debris upon any state highway is strictly prohibited and violation shall be cause for immediate cancellation of the permit. Clean up shall be at the applicant's expense. The highway shall be cleaned of all dirt and debris at the end of each work day, or more frequently if so determined by the District Manager or representative.
- 11. Permittee shall replace any landscape vegetation or fences that are destroyed. Any damage that is not fully recovered within 30 days (weather permitting) shall be replaced by ODOT at the expense of the permittee. A "plant establishment" shall be understood to be part of the planting work to assure satisfactory growth of planted materials. The plant establishment period will begin when the original planting and all landscape construction has been completed and approved. The length of the establishment period will be one calendar year or as defined in the permit Special Provisions.
- 12. Permittee shall install and maintain landscaped area as shown on the attached drawings. Planting shall be limited to low-growing shrubs, grass or flowers that do not attain sufficient height to obstruct clear vision in any direction. The Oregon Department of Transportation (ODOT) shall have the right to remove said landscaping at any time such removal may appear to be in the public interest, without liability or loss, injury, of damage or any nature whatsoever.

## TRAFFIC

- 13. During construction or maintenance, the work area shall be protected in accordance with the current [Manual on Uniform Traffic Control Devices \(MUTCD\)](#), Federal Highway Administration, U.S. Department of Transportation, and the Oregon Department of Transportation supplements thereto. Flaggers must have a card or certificate indicating their completion of an approved work zone traffic control course. All traffic control devices shall be maintained according to the American Traffic Safety Services Association (ATSSA), Quality Standards for Work Zone Traffic Control Devices handbook.
- 14. Permittee shall provide a detailed traffic control plan for each phase of the work, showing signs and cones. Plans shall be reviewed by Oregon Department of Transportation in advance of construction or maintenance.
- 15. All damaged or removed highway signs shall be replaced by the permittee. Installation shall be according to MUTCD standards or ODOT specifications, and shall be completed as soon as possible but no later than the end of the work shift.
- 16. No lane restrictions are permitted on the roadway during the hours of darkness, on weekends, or between 6:00 AM and 9:00 AM, or 3:00 PM and 6:00 PM (Monday through Friday) without prior approval by ODOT.
- 17. Hours of work shall be .

## DRAINAGE

- 18. On-site storm drainage shall be controlled within the permitted property. No blind connections to existing state facilities are allowed.
- 19. Excavation shall not be done on ditch slopes. Trench excavation shall either be at ditch bottom or outside ditch area. (Minimum depth at bottom of ditch shall be 36 inches; minimum depth outside of ditch shall be 42 inches).
- 20. Only earth or rock shall be used as fill material and shall slope so as not to change or adversely affect existing drainage. Fine grade and seed the finished fill with native grasses to prevent erosion.
- 21. A storm drainage study stamped by an Oregon Registered Professional Engineer (PE) is required. The study must meet standards of the National Pollution Discharge Elimination Systems (NPDES) when any of the following conditions apply:
  - Whenever a four inch pipe is inadequate to serve the developed area,
  - development site is one acre or larger in size and directly or indirectly affects state facilities,
  - or as directed by the District Manager or representative.
- 22. Permittee shall provide on-site retention for storm water runoff that exceeds that of the undeveloped site.
- 23. All water discharged to an ODOT drainage system must be treated prior to discharge. All requests for connection to an ODOT storm system must meet any requirements of the National Pollutant Discharge Elimination System (NPDES). This may include local jurisdiction approval of on-site water quality treatment facilities and/or development of an operation and maintenance plan for any on-site water quality treatment facility, as determined by local jurisdiction.

## EXCAVATION / CONSTRUCTION

- 24. The following ODOT documents and any supplements and subsequent revisions thereto, where applicable and not otherwise superseded by the permit language herein, but only to the extent that they provide standards and performance requirements for work to be performed under the permit, shall be incorporated for use in the permit:

“Oregon Standard Specifications for Construction (2015)”. ODOT shall have authority over acceptance of all materials and workmanship performed under this permit as stated in Section 00150.00 of the “Oregon Standard Specifications for Construction (2015).”

For additional Supplemental and Special Provisions please refer to:  
[http://www.oregon.gov/ODOT/HWY/SPECS/standard\\_specifications.shtml](http://www.oregon.gov/ODOT/HWY/SPECS/standard_specifications.shtml) Standard Specification books are available on this site.
- 25. Open cutting of pavement is allowed in areas specifically approved by District Manager or representative.
- 26. Trench backfill shall be according to the attached typical drawing, marked as Exhibit A.

- 27. Open cutting of the highway is allowed with construction in accordance with OAR 734-55-0100. All excavation in paved areas shall be backfilled and the roadway surface patched before the end of each shift. In special cases where steel plates are allowed, said plates shall be pinned and a temporary cold patch applied to the edges. The permittee shall be fully responsible for monitoring and maintenance of temporary patching and steel plating.
- 28. Compaction tests shall be required for each open cut per Oregon Standard Specification for Construction. Compaction tests shall be conducted once for every 300 lineal feet per lift of continuous trench according to the Manual of Field Test Procedures (MFTP), published by ODOT. Percent Compaction shall be 95%. At the discretion of the District Manager or representative, results of compaction test shall be provided to District Manager or representative at applicants' expense.
- 29. Control Density Fill (CDF) shall be used as surface backfill material in place of crushed rock in open trenches that impact the travel portions of the highway. A ¾"-0, or 1"-0 rock will be used for the aggregate. The amount of cement used shall not exceed 3.0% of the total mixture's weight. Maximum compressed strengths must not exceed 250 pounds per square inch (psi).
- 30. Surface restoration shall be a minimum of eight inches of hot asphalt-concrete (AC), compacted in two inch lifts, or match existing pavement depth, whichever is greater. Sand-seal all edges and joints.
- 31. All aggregate shall conform to Oregon Standard Specification for Construction, Section 02630 - Base Aggregate.
- 32. Any area of cut or damaged asphalt shall be restored in accordance with the included attachment "T-Cut Typical Section" drawing. For a period of two years following the patching of paved surface, permittee shall be responsible for the condition of permittee's pavement patches, and during that two year period shall repair to District Manager or representative satisfaction any of the patches which become settled, cracked, broken, or otherwise faulty.
- 33. An overlay to seal an open-cut area shall be completed prior to the end of the construction season, or when minimum temperature allows per "Oregon Standard Specification for Construction (2008)" and any subsequent revisions thereto. Typical overlay shall be 1.5 inches deep and cover the affected area from edge of pavement to edge of pavement, and taper longitudinally at a fifty feet to one inch (50' : 1") ratio. Taper may be adjusted by the District Manager as required. For a period of two years following this patching of the surface, the permittee shall be responsible for the condition of said pavement patches, and during that time shall repair to the District Manager or representative's satisfaction any of the patches which become settled, cracked, broken or otherwise faulty.
- 34. Highway crossings shall be bored or jacked. Bore pits shall be located behind ditch line or in areas satisfactory to the District Manager or representative. Unattended pits shall either be protected by a six-foot fence, backfilled, or steel plated and pinned.
- 35. Permittee shall install a "tracer wire" or other similar conductive marking tape or device, if installing any non-conductive, unlocatable underground facility, in order to comply with Oregon Utilities Coordination Council (OUCC), per OAR 952-01-0070 (6).
- 36. Trench backfill outside of ditch line or in approved areas can be native soil compacted at optimum moisture in twelve inch layers to 90% or greater of the maximum density.
- 37. Native material that is found to be unsatisfactory for compaction shall be disposed of off the project and granular backfill used.
- 38. Trench backfill in rock slope or shoulder shall be crushed 1"-0 or ¾"-0 size rock compacted at optimum moisture in eight-inch layers. Compaction tests shall be conducted according to the Manual of Field Test Procedures (MFTP), published by ODOT. Percent compaction shall be 95%. At the discretion of the District Manager or representative, results of compaction tests shall be provided to District Manager or representative at applicant's expense.
- 39. Where excavation is on fill slope steeper than a two to one (2:1) ratio, slope protection shall be provided using four-inch size rock laid evenly to a minimum depth of twelve inches.
- 40. No more than 300 feet of trench longitudinally along the highway shall be left open at any one time and no trench shall be left in an open condition overnight.
- 41. Areas of disturbed cut and fill slopes shall be restored to a condition suitable to the District Manager or representative. Areas of erosion to be inlaid with an acceptable riprap material.

- 42. All underground utilities shall be installed with three-foot or more of horizontal clearance from existing or contract plans guardrail posts and attachments. All non-metallic water, sanitary and storm sewer pipe shall have an electrically conductive insulated Number 12-gauge copper tracer wire the full length of the installed pipe using blue wire for water and green for storm and sanitary sewer piping.
- 43. Any area of cut or damaged concrete shall be restored in accordance with the attached Typical Section-Pipe Section under sidewalk.
- 44. Utility markers and pedestals shall be placed as near the highway right-of-way line as practical. In no case shall pedestals and line markers be located within the highway maintenance area.
- 45. No cable plowing is allowed within the lateral support of the highway asphalt (i.e. at six feet lower than the edge of the asphalt, no plowing within nine feet of the edge of the asphalt).
- 46. Review by ODOT Bridge Engineers is required for all proposed bridge and structure attachments and for utility or any facilities to be installed within sixteen feet of bridge foundations, supports, walls or related, or within the influence zone of bridge facilities.

**MISCELLANEOUS**

- 47. Permittee shall be responsible and liable for (1) investigating presence/absence of any legally protected or regulated environmental resource(s) in the action area; (2) determining any and all restrictions or requirements that relate to the proposed actions, and complying with such, including but not limited to those relating to hazardous material(s), water quality constraints, wetlands, archeological or historic resources(s) state and federal threatened or endangered species, etc., (3) complying with all federal, state, and local laws, and obtaining all required and necessary permits and approvals.
- 48. If the permittee impacts a legally protected/regulated resource, permittee shall be responsible for all costs associated with such impact, including, but not limited to all costs of mitigation and rehabilitation, and shall indemnify, and hold ODOT harmless for such impacts and be responsible and liable to ODOT for any associated costs or claims that ODOT may have.
- 49. Plans are approved by ODOT in general only and do not relieve the permittee from completing construction improvements in a manner satisfactory to ODOT. The District Manager or representative may require field changes. When revisions are made in the field, permittee is responsible to provide "as built" drawings, within 60 days from completion of highway improvements, and shall submit them to the District Office issuing the permit.
- 50. Permittee shall be responsible for locating and preserving all existing survey monumentation within the work area in accordance with ORS 209.150 and/or 209.155. If monumentation or its accessories are inadvertently or otherwise disturbed or destroyed, applicant shall be responsible for all costs and coordination associated with it's reestablishment by a professional licensed surveyor.

By this signature applicant accepts all checked () provisions (4 pages).

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Applicant signature: <i>Andrew Newbury</i>	Date: <i>5/11/16</i>
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