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Originating Organization HQ Development Division, Design Office – Utilities, Railroads, and Agreements Section	

Remarks and Instructions

What’s changed in the Utilities Manual for October 2014?

The language in Section 120.05 has been revised to reflect the addition of the Utility Permit for Stormwater and associated special provisions added to the forms list.

Chapter 9 has been revised to change and clarify the direction to be used in the calculation of Control Zone objects. The 5/15 rule has been removed. The authority matrix, Utility Object Relocation Record, and the Control Zone Variance Justification Questionnaire have been modified to be in agreement with the manual.

All references to Reclassification of Location I and II (“Reclassification” is replaced with “Variance”) and the 5/15 rule have been removed from other chapters in the manual.

Category 4 Installation Authorization has been revised.

Chapter 9 – Control Zone Guidelines

- The three objectives previously allowed for consideration have been reduced to a primary objective, since it has been determined that reclassification doesn’t meet the primary objective of the Department.
- Reclassification has been removed as an option for Location I and II objects and replaced with a variance option. Variance “approval” has been changed to “consideration” to clarify the Department’s intention to review requests.
- Language about Authority of Variance, previously said to be a Headquarters function, has been modified to reflect the level of approval authority as related to the type of variance.
- Reference to the Statewide Travel and Collision Data Office has been removed and replaced with Transportation Data and GIS Office to reflect its name change.
- Section 900.13 regarding reclassification has been modified to reflect variances instead of reclassification, which is line with the Department’s Variance Policy.
- Notes and graphs regarding Guardrail, Embankment Barriers, or any other design-related considerations for relocation alternatives have been removed and the reader is directed to consult the state Design Manual M 22-01 for guidance.
- The 5/15 Rule for control zone has been removed as policy, as law did not authorize or support it.
- Roadside Safety Analysis Program (RSAP), a benefit/cost analysis program, has been added as the tool to determine site-specific alternatives for relocation, when feasible.

Appendix B

This section has been updated to include new and current revisions of the various forms.

Remove/Insert instructions for those who maintain a printed manual:

Chapter		Remove Pages	Insert Pages
Title Page		i – ii	i – ii
Contents		v – viii	v – viii
Chapter 1	Utility Accommodation	1-1 – 1-100	1-1 – 1-92
Chapter 9	Control Zone Guidelines	9-1 – 9-22	9-1 – 9-18
Appendix B	Utility Forms and Documents	B-1 – B-126	B-1 – B-134

Revision marks

- A new date appears on the footer of each chapter that has changes.
- Revision marks (underlines/sidebars) are used as a convenience to show what has changed.
- When a chapter is completely rewritten, no revision marks are applied.

Need more information?

Contact the WSDOT HQ Utilities, Railroads, and Agreements Section – Utilities Unit:

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Approved By

/s/ Ahmer Nizam

Signature



**Washington State
Department of Transportation**

Utilities Manual

M 22-87.07

November 2014

Engineering and Regional Operations
Development Division, Design Office

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Foreword

The *Utilities Manual* has been prepared to outline the general practices, policies, and procedures in the design, administration, and coordination of utilities and railroad facilities within Washington State Department of Transportation (WSDOT) properties or impacted by the department's highway projects. The intent is to provide consistent, current, and accurate guidance for users. Any requirements noted in this guidance are taken from the WSDOT *Utilities Accommodation Policy* and other documents as identified in the manual.

The previous revision of the *Utilities Manual*, which was issued in September, 1998, is hereby superseded.

Updating the *Utilities Manual* is an ongoing process and revisions will be made yearly. Users should submit suggestions for additions or revisions to the Headquarters Utilities Specialist, listed in Headquarters Contacts at the Utilities, Railroads, and Agreements Home Page:

🔗 www.wsdot.wa.gov/utilities/hq.htm

/s/ Pasco Bakotich

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State Design Engineer

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100 Administration and General Information

100.01 Utility Accommodation Program Purpose

This chapter provides guidance on the importance of the management and administration of the Washington State Department of Transportation's (WSDOT's) Utility Accommodation Program. The priorities controlling utility accommodation within the highway operating right of way are:

- The safety of the traveling public.
- The needs, mission, and priorities of the department.
- The needs of utility owners.

The policies and guidelines in this chapter outline the requirements and expectations for installation of utilities within the highway operating right of way. They are intended to illustrate the process, for both WSDOT and the utility owner, to produce an accurate utility accommodation document.

Nothing in this chapter is intended to limit the rights of WSDOT to impose additional restrictions or requirements on a utility installation if deemed appropriate, advisable, or necessary by the department to do so.

(1) Impacts and Requirements

Identify the immediate construction impacts and potential long-term effects of proposed utility installations upon the highway operating right of way, and ensure those installations meet the requirements of WSDOT's *Utilities Accommodation Policy*.

(2) Utility Location

Maintain accurate and up-to-date records of the location of authorized utilities installed within the right of way.

(3) Utility Ownership

Maintain accurate and up-to-date records of utility ownership.

RCW 47.44
WAC 468-34

100.02 Types of Utility Accommodation Documents

RCW 47.44.010
RCW 47.56.256
WAC 468-34-110

Utility accommodation documents define utility ownership, type, size, location, construction methods, maintenance frequency and duration, and other information considered necessary by the department. WSDOT processes utility accommodation documents related only to utility installations on operating highway rights of way, toll facilities, and the state ferry system. Utility accommodation documents used for this purpose include the following forms:

- Utility Franchise
- Franchise Consolidation
- Franchise Renewal
- Franchise Amendment
- Utility Permit

Refer to [110.01](#), Accommodation Application Requirements, for guidance on the use of the above forms.

(1) Utility Franchise

Utility franchises are the primary utility accommodation document used for recording utility installation details authorized within the operating highway right of way and its facilities based on the Utility Classification Criteria (see [100.04](#)). Use DOT Form 224-696, Application for Utility Permit or Franchise (see [Appendix B](#), Utility Forms and Documents).

- (a) **Franchise Use** – Use utility franchises to describe utilities installed across, along, or within the operating highway right of way or its facilities.
- (b) **Franchise Duration** – Utility franchises authorize utility occupation within the operating highway right of way for any duration up to, but not exceeding, 25 years. Franchise Renewal (also “Renewal”) is required prior to the franchise expiration date for the franchise to remain valid. (See [100.07\(1\)\(c\)](#), Consolidations and Renewals for additional information.)

RCW 47.44.020

(2) Franchise Amendment

A Franchise Amendment is a utility document that extends, supplements, or modifies an existing utility franchise based on the Utility Classification Criteria. Use DOT Form 224-696, Application for Utility Permit or Franchise (see [Appendix B](#)).

- (a) **Franchise Amendment Duration and Expiration Date** – Utility Franchise Amendments authorize utility occupation within the operating highway right of way for any duration up to, but not exceeding, 25 years.

Regardless of the amount of time remaining until expiration of the parent franchise, the expiration date of a Franchise Amendment shall be the same as that of the original franchise. When the parent or original franchise expires, so do all amendments to that franchise.

Franchise Renewal is required prior to the franchise expiration date for the franchise to remain valid. (See [100.07\(1\)\(c\)](#), Consolidations and Renewals for additional information.)

(3) Franchise Consolidation

A Franchise Consolidation (also “Consolidation”) is a grouping process that combines multiple franchises, Franchise Amendments, previous Consolidations, and utility permits into a single franchise document based on the Utility Classification Criteria. Consolidations are recommended, not required, for continued installation of utilities within the operating highway right of way by utility companies. In order to meet the goals of the Utility Classification Criteria, the Consolidation process should be approached with an attitude of partnership and cooperation with the utility owner. Use DOT Form 224-696, Application for Utility Permit or Franchise (see [Appendix B](#)).

- (a) **Franchise Consolidation Use** – To maintain historical records of superseded documents, list all existing accommodation documents superseded by the Consolidation as a separate exhibit.

Assign all Franchise Consolidations a new document number. The new number should end with a “C” to differentiate the Consolidation document from non-Consolidation accommodation documents.

- (b) **Franchise Consolidation Duration** – Franchise Consolidations authorize utility occupation within the operating highway right of way for any duration up to, but not exceeding, 25 years.

(4) Franchise Renewal

Franchise Renewal is an updating process that renews a previously approved utility franchise prior to the franchise expiration date. In order to be eligible for Renewal, a franchise must meet specific qualifications and must meet the definition of the Utility Classification Criteria (see [100.04](#)). (See [100.07\(1\)\(c\)](#), Consolidations and Renewals for additional information.) Use DOT Form 224-696, Application for Utility Permit or Franchise (see [Appendix B](#)), when renewing existing utility franchises.

[WAC 468-34-170](#)

- (a) **Utility Franchise Renewal Use** – Prior to the expiration of a franchise, the utility installation should be field-reviewed and the franchise updated to reflect existing conditions in the field. WSDOT should verify the installation meets current highway safety requirements and utility accommodation policies. To differentiate the Renewal document from other accommodation documents, use the existing utility franchise number, supplemented by an “R” at the end of the franchise number.
- (b) **Utility Franchise Renewal Duration** – Franchise Renewal duration is the same as for a new franchise, provided that any issues identified during the Renewal review and approval process have been resolved. (See [100.07\(1\)\(c\)](#), Consolidations and Renewals for additional information.)

(5) Utility Permit

A utility permit is a secondary utility document used to define a utility installation that:

- Crosses the operating highway right of way normal to centerline or at a skew angle no greater than 45 degrees offset from normal.
- Is longitudinal to the right of way and is no greater than 300 feet in length as measured along the highway centerline.

[RCW 47.44.050](#)

[WAC 468-34-130\(3\)](#)

WAC 468-34-100

- (a) **Utility Permit Use** – Use a permit as a secondary utility accommodation document to define utility ownership, type, size, location, construction methods, maintenance frequency and duration, and other information considered necessary by WSDOT.

Every effort should be made to associate a proposed utility installation with an existing utility franchise based on the Utility Classification Criteria. Conduct thorough research before eliminating a franchise or Franchise Amendment as the method of documenting the proposed utility installation.

Use a permit only when research indicates there is no franchise within the Utility Classification Criteria (see 100.04) that can be amended and that the definition of a franchise or Franchise Amendment cannot be met.

- (b) **Utility Permit Duration** – Utility permits have no expiration date. As such, any permits allowing utilities within the operating highway right of way should be thoroughly reviewed for impacts to planned or potential highway improvement projects or other impacts prior to approval.

(6) Informational Accommodation Documents

Informational utility accommodation documents are used to record utilities owned by WSDOT. These installations may include telecommunications, intelligent transportation system (ITS) facilities, power, water, sewer, or other utilities.

Informational utility accommodation documents may also be used to identify utility crossings or installations that have a compensable property right and for which a WSDOT franchise or permit is not appropriate.

Assign accommodation document numbers to informational accommodation documents the same as any other accommodation document. Appropriate reviews should be conducted and as-built information obtained whenever possible. Application fees and reimbursable accounts do not apply. Charge code information may be obtained from project offices by each region, as necessary.

Enter informational accommodation documents into the Utility Franchise Permit (UFP) system when the information document and installation are completed. Hard copy files should be stored similar to other utility-owned utility accommodation documents.

100.03 Installation Categories

RCW 47.44.010

Proposed utility installations within the operating highway right of way are categorized based on the impact the installation will have upon the safety, continued operation, and future improvement of the transportation facility. Impacts due to the construction, maintenance, expansion, connection to, and/or relocation of the utility must all be taken into consideration when reviewing utility accommodation applications. The primary focus of WSDOT's review should be on the safe movement of traffic by requiring that the utility be installed in the least intrusive location and constructed using the least intrusive construction method. Visual quality, engineering principles, and overall economic impacts should also be considered.

WAC 468-34-130

Generally, all longitudinal utility installations should be located as close as possible to the right of way line. Crossings should be placed as normal to the highway center-line as possible. Depth and height requirements must be met as defined in this manual and applicable state/federal codes and publications. WSDOT may restrict the number and method of service connections based on the safety and operation of the highway.

Utilities installed for a highway purpose, such as for highway illumination, rest areas, telecommunications, or other facilities, shall meet the requirements of this manual and the *Utilities Accommodation Policy*. (See 100.02(6), Informational Accommodation Documents, for further guidance.)

WAC 468-34-130(7)
WAC 468-34-110(52)

(1) **Applications With Multiple Installation Categories**

It is possible the proposed work could meet the definition of more than one category. When this occurs, the most stringent category shall apply to the entire application.

(2) **Installation Category Types and Descriptions**

The following definitions generally describe each category. Refer to Figures 100-1 through 100-6 for a graphic representation of categories.

(a) **Installation Category 1: Considerable Impact** – Utility installations within this category include any or all of the following situations or conditions:

WAC 468-34-110(53)(a)

- Longitudinal installation located between the centerline and a point 5 feet beyond outside edge of pavement or back of guardrail post.
- Longitudinal installations within any median.
- Longitudinal installations within any limited access controlled highway.
- Aerial installations within Scenic Class A or B.
- Installations requiring open cuts of the paved roadway.
- Any trenchless construction highway crossings exceeding 36”.
- Aboveground installations for which a Control Zone variance approval is required.
- Installations attached to any bridge or structure.
- Buried installations located within the Zone of Influence of a bridge footing (see Figure 120-6).
- Installations contrary to the requirements of the *Utilities Accommodation Policy*.

(b) **Installation Category 2: Limited Impact** – Utility installations within this category may include, but are not limited to, any or all of the following situations or conditions:

WAC 468-34-110(53)(b)

- Longitudinal installations located **within** an area described as: The horizontal distance 5 feet beyond the outside edge of pavement or back of guardrail post to the bottom of ditch or toe of slope **plus** either 10 feet or the horizontal distance to a point within 5 feet of the right of way line, whichever is less.
- Installations for which an individual bond is required.
- Installations requiring a Notice of Filing.
- Installations requiring environmental permitting or documentation.
- Limited access highway crossings.
- Limited access nonexempt same-side service connections.
- Installations involving storm drainage.

WAC 468-34-110(53)(c)

(c) **Installation Category 3: Little or No Impact** – Utility installations within this category may include, but are not limited to, any or all of the following situations or conditions:

- Longitudinal installations located **beyond** an area described as: The horizontal distance 5 feet beyond the outside edge of pavement or back of guardrail post to the bottom of ditch or toe of slope **plus** either 10 feet or the horizontal distance to a point within 5 feet of the right of way line, whichever is less.
- Nonexempt same-side service connections.
- Non-limited access highway crossings.
- Aboveground installation complying with WSDOT's Control Zone Policy.
- Installations involving a change in the size or capacity of existing facilities located within existing conduits or on existing poles.

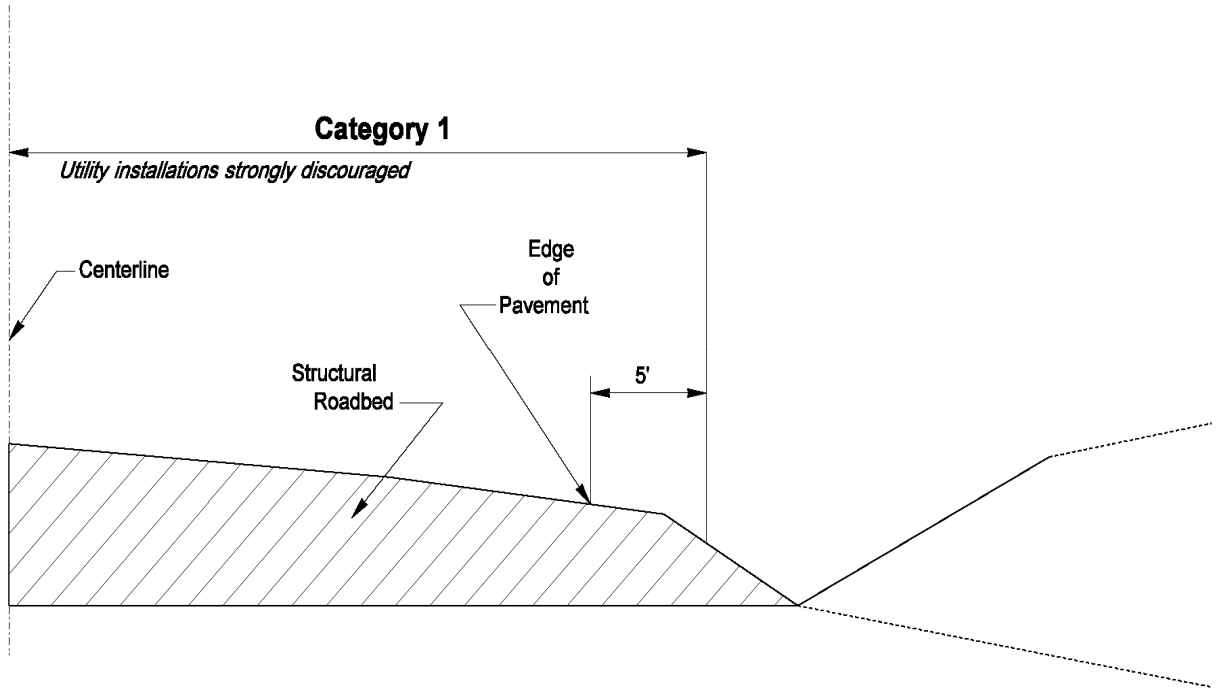
All construction work and methods necessary for Category 3 installations, such as bore pits, shoring, trenching, staging of equipment or materials, and so on, should occur within the area defined as Category 3, as illustrated in Figures 100-5 and 100-6.

WAC 468-34-110(53)(d)

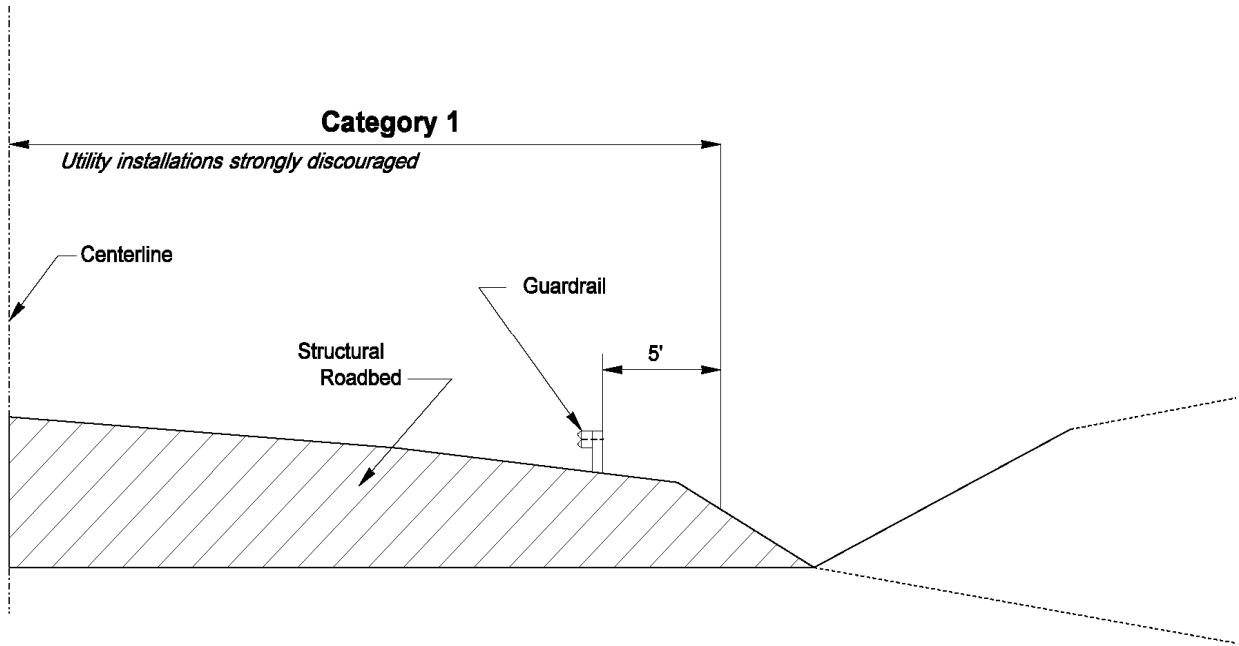
(d) **Installation Category 4: Exempt Same-Side Service Connection** – Utility installations within this category include same-side service connections in non-limited access that meet ALL of the following conditions and requirements:

1. The same-side service connection does not exceed the following quantity or capacity:

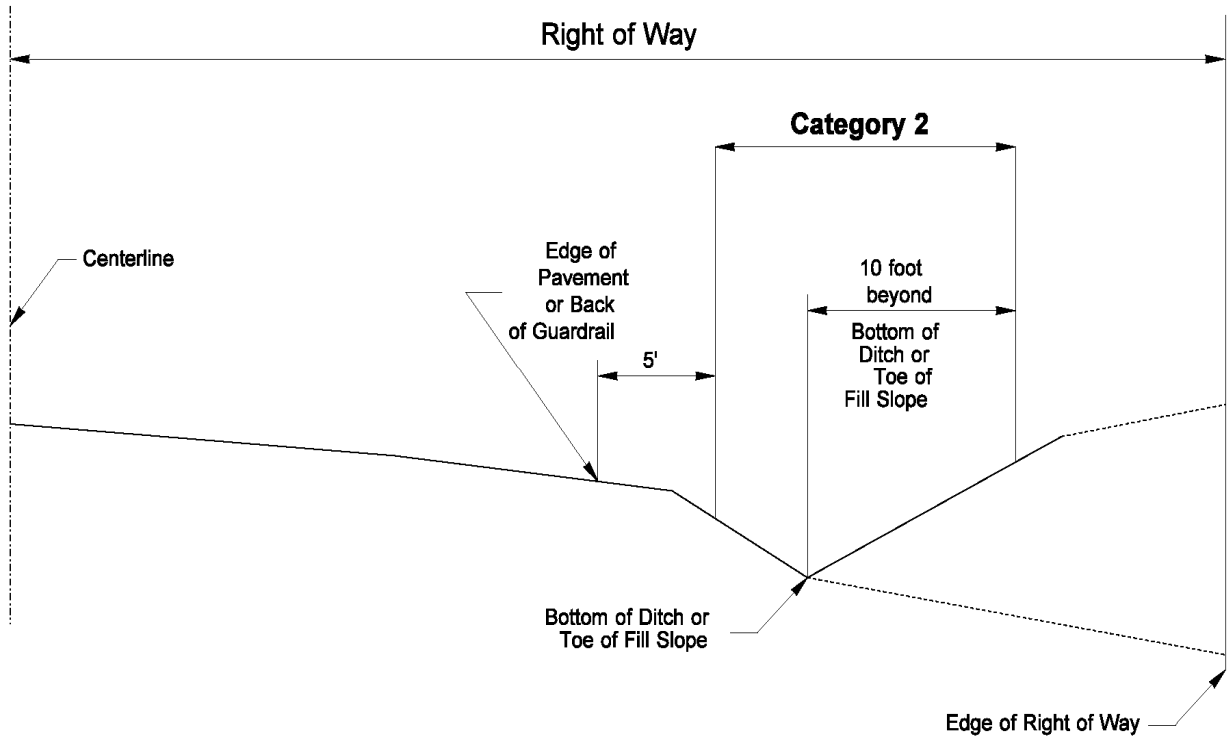
• Power	15 kV
• Telephone	25-Pair
• Natural Gas	1¼-Inch
• Gravity Sanitary Sewer	4-Inch ID
• Force Sanitary Sewer	2-Inch ID
• Water	1½-Inch ID
• Cable Television	½-Inch ID
• Fiber Optic Cable	6 Fiber or less
2. These installations will not require a permit, provided that:
 - Longitudinal installations do not exceed 26 feet in length.
 - The service originates from an existing current franchise or permit.
3. Associated construction activity must occur within the area defined as Category 3, as shown in Figures 100-5 and 100-6.
4. WSDOT may restrict the number and method of service connections based on the safety and operation of the highway.
5. The utility shall submit a Category 4 Installation Authorization (Notice of Compliance) form to the region Utilities Office.



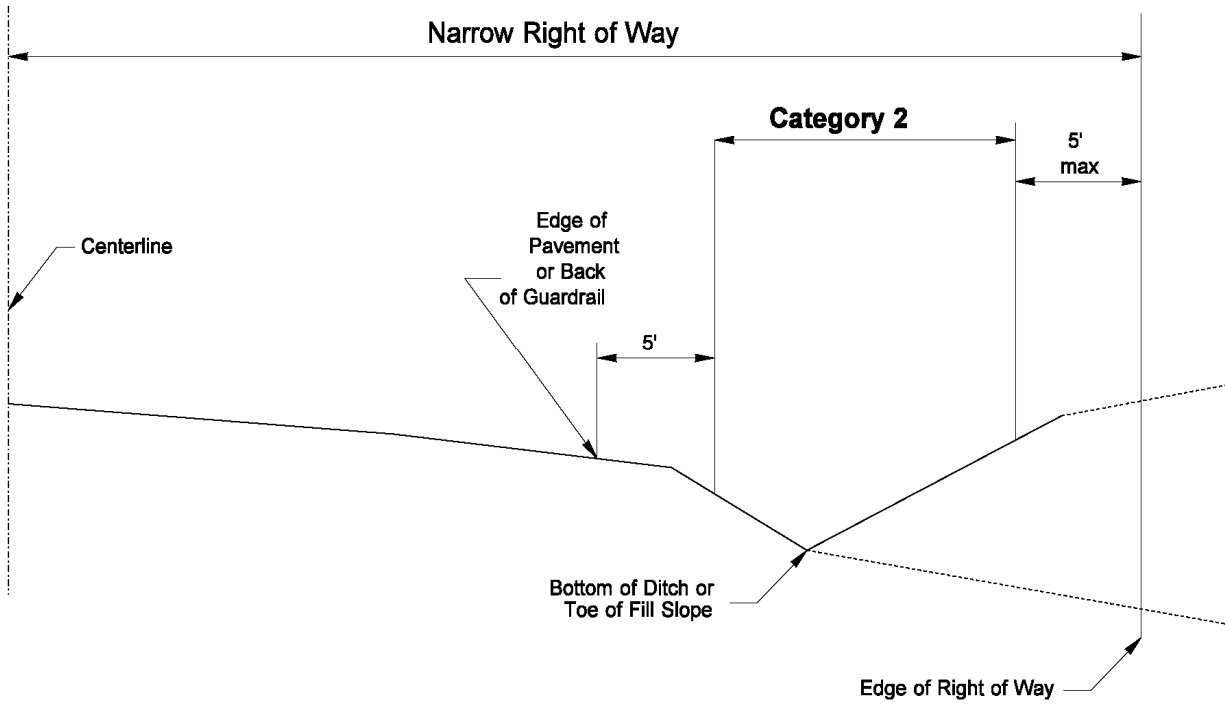
Installation Category 1
Figure 100-1



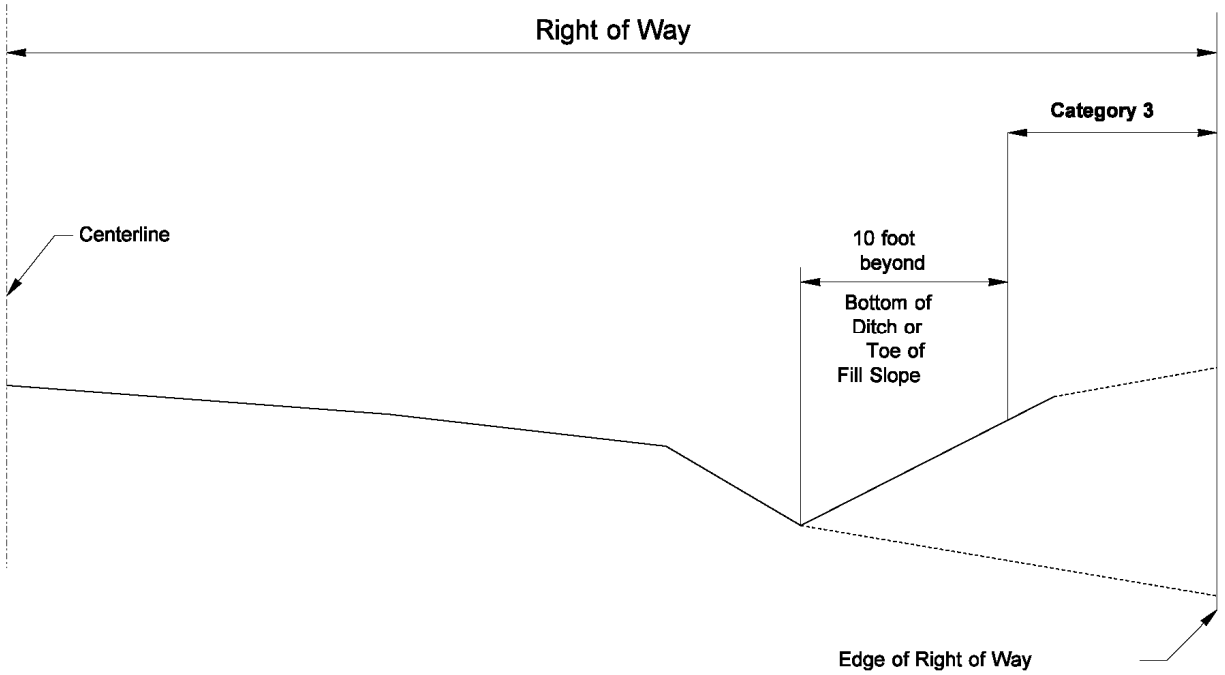
Installation Category 1: With Guardrail
Figure 100-2



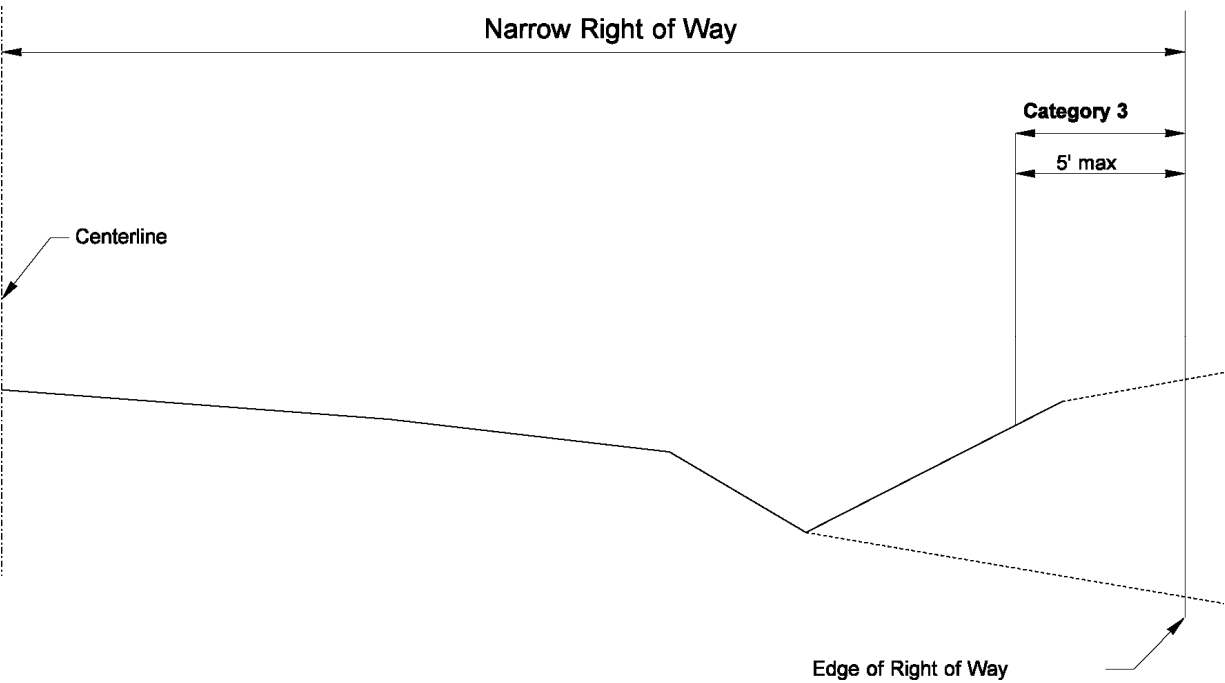
Installation Category 2: Standard Right of Way
Figure 100-3



Installation Category 2: Minimal (Narrow) Right of Way
Figure 100-4



Installation Category 3: Standard Right of Way
Figure 100-5



Installation Category 3: Minimal (Narrow) Right of Way
Figure 100-6

100.04 Utility Classification Criteria

The following four elements constitute the Utility Classification Criteria (also Classification Criteria) for all utility accommodation documents:

- Highway Number
- County
- Utility Type
- Utility Owner

The Utility Classification Criteria recommendation is that only one franchise be issued to each utility owner for each type of utility, within each county or section of county, on each highway. Once a franchise is issued, each additional utility accommodation application will be treated as an amendment to the original franchise based on the Classification Criteria.

(1) Purpose of Classification Criteria

The Utility Classification Criteria has two primary purposes. The first is to reduce the number of existing utility accommodation documents currently being administered by WSDOT through the Franchise Consolidation process. The second purpose is to provide clear and consistent guidance for the administrative processing and management of utility accommodation applications received by the department.

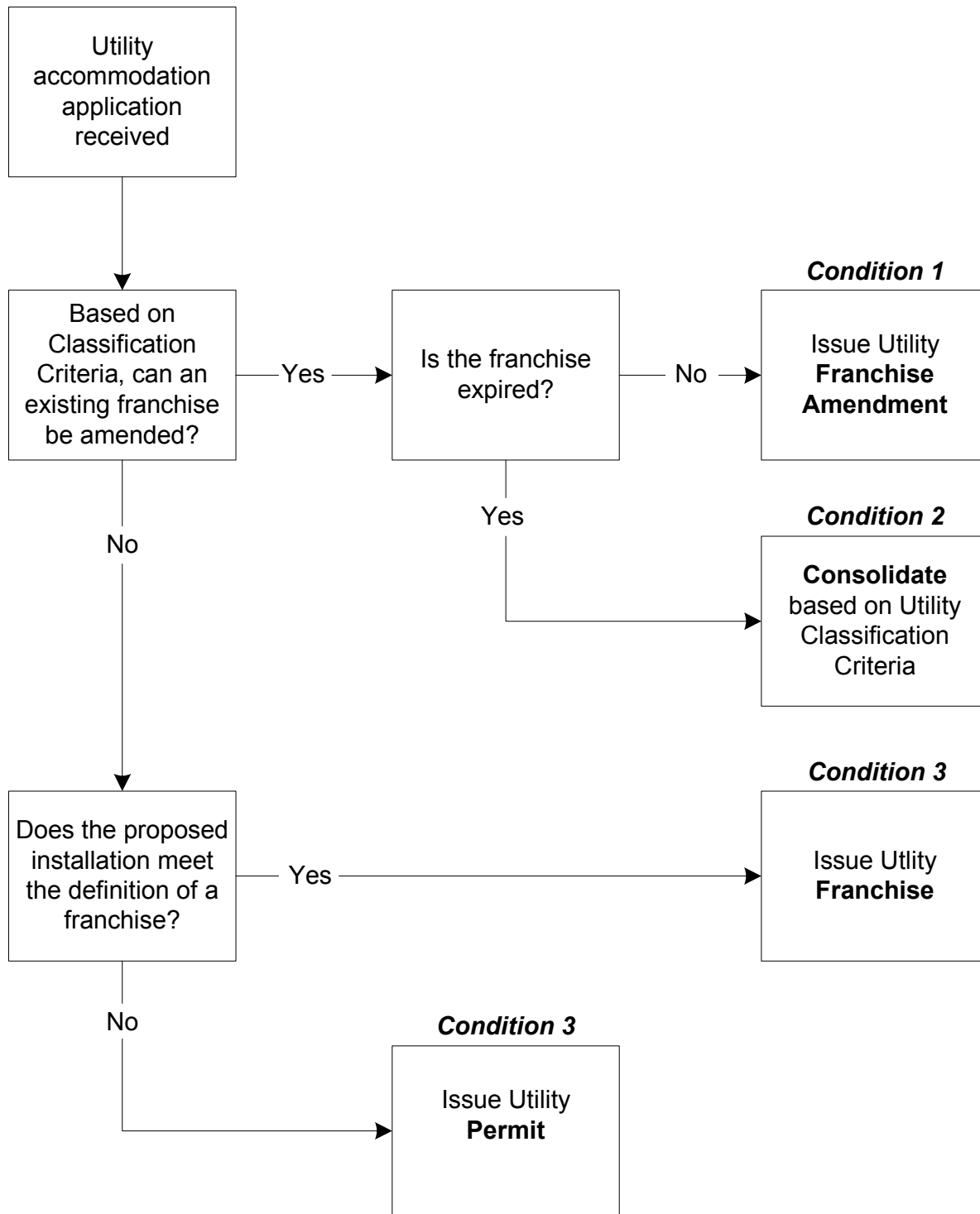
(2) Implementation and Use of Classification Criteria

Each new utility accommodation application shall meet the Classification Criteria. The key to new accommodation applications meeting the Classification Criteria is the status of existing utility franchises. Three conditions dictate the treatment of new and existing accommodation documents.

When a utility accommodation application is received by WSDOT, a determination will be made regarding which of three conditions the application falls under as defined in [Figure 100-7](#), Accommodation Document Classification.

- (a) **Condition 1** – If a franchise is available as defined by the Classification Criteria and the franchise is current (not expired), the application should be processed as an amendment to that franchise.
- (b) **Condition 2** – If a franchise exists, but is expired, the Franchise Consolidation process must be completed for approval of the utility accommodation application. This condition will have an effect upon other existing franchises and permits within the Classification Criteria, as described in [110.02](#), Franchise Consolidation and Franchise Renewal Process and Requirements.
 1. **Condition 2 Exception** – If implementing the Classification Criteria under Condition 2 will cause a delay in the delivery of a highway improvement project, WSDOT should work cooperatively with the utility to create a Consolidation Plan that avoids project delays. (See [110.02](#), Franchise Consolidation and Franchise Renewal Process and Requirements, for detailed guidance.)
- (c) **Condition 3** – If no franchise exists, a new franchise should be created using the Utility Classification Criteria. Alternatively, if the proposed utility installation does not meet the definition of a franchise, a utility permit may be issued.¹

¹Permits should be issued only if there is little chance of another application being received that would fall within the area defined by the Utility Classification Criteria. (See [100.02\(5\)](#) for detailed guidance.)



Accommodation Document Classification
Figure 100-7

100.05 Accommodation Documents: Management and Administration

(1) Region Documentation

WSDOT Policy

All regions are responsible for maintaining utility accommodation documentation for every utility installation located within their operating highway right of way. Supporting documentation should include, but is not limited to:

- Approved accommodation documents.
- Correspondence.
- Variance justification and supporting documentation.
- Appropriate decision-making documentation such as diaries, notes, letters, emails, and so on, that substantiate the decision-making and approval processes.
- Utility plans and details.
- Other plans and details such as Traffic Control Plans (TCP), Stormwater Pollution Prevention Plans (SWPPP), and other plan requirements.
- Surety information.
- Accounting details such as J-account information, copies of checks or check receipts, reimbursable account agreements, and other documents.
- Inspection information and details such as Inspector's Daily Reports (IDR) and materials reports.
- Checklists.
- Region and Headquarters (HQ) review approvals.
- Meeting agendas, notes, and action items.
- Research information.
- Other pertinent information.

(2) General Utility Company Documentation

Best Practice

Regions should also consider maintaining files for individual utility customers. Customer files should be used to track general agreements, letters of clarification or understanding, commitments made with WSDOT or the utility, utility system plans, or other general utility company information or correspondence that may be generated by day-to-day business and that is not specific to a particular accommodation document file.

(3) Headquarters Documentation

The HQ Utilities Unit functions as a statewide coordination office and, as such, generally maintains only limited and temporary accommodation-related files. Headquarters responsibilities include:

- Blanket surety files.
- Utility Transfer of Ownership (Acceptance of Assignment) files of significance.
- Compliance reviews.
- Historical records.
- Management of statewide utility-related databases.

100.06 Approval Authority

Approval for all utility accommodation documents and related administrative documents is delegated as defined in this section (see [Appendix B, Authority Matrix](#)).

(1) Headquarters Approval

The following documents and conditions require approval by the HQ Utilities, Railroad, and Agreements Manager, as delegated by the State Design Engineer. Further delegation is not allowed.

(a) Headquarters-Executed Administrative Documents

- Blanket sureties.
- Transfer of Ownership for utilities for which WSDOT holds a blanket surety unless the utility is fully within one region; that region has approval, but must notify Headquarters. (See [130.05](#), Utility Transfer of Ownership – Acceptance of Assignment, for detailed guidance.)

(b) Headquarters-Approved Accommodation Variance Documents: Federal Highway Administration (FHWA) Concurrence – FHWA review and concurrence is required for the following utility installations proposed within interstate rights of way:

- Open cuts.
- Longitudinal installations within any median.
- Permanent access breaks from property adjacent to freeway right of way.
- Construction and maintenance site access from freeway ramps or main line.

(c) Headquarters-Approved Accommodation Variance Documents – All variances within full control limited access rights of way require review and approval by Headquarters. These variances include:

- Uncased installations involving pressurized carrier pipes and carriers of transmittants, other than natural gas, that are flammable, corrosive, expansive, energized, or unstable.
- Longitudinal utility installations within full control limited access rights of way (as defined in [WAC 468-34-130\(3\)](#)).
- Access breaks for utility accommodation variances from property adjacent to fully controlled access rights of way. (Access break review and approval will be coordinated with the HQ Access and Hearings Section. For access break requests for utilities without variances, an informational copy of the request should be sent to the HQ Utilities Unit.)
- Construction and maintenance site access from main line in fully controlled access rights of way.
- Aerial installations proposed in areas designated as Scenic Class A or B.

Refer to [120.14](#), Variances: Types, Treatment, and Approval, for detailed guidance and requirements for proposed variance installations.

Regions should contact the HQ Utilities Unit as early as possible in the application review process when any utility application or proposed variance requires Headquarters approval. Discuss the details of the proposed installation and the reason for the variance to verify what information is required to receive approval of the proposed utility installation.

(2) Region Approval

The following documents and conditions require approval by a Regional Administrator or a delegated authority. Delegation of authority is established for the Regional Administrator's direct report staff in writing by each Regional Administrator.

(a) Region-Approved Accommodation Documents

- Crossing installations within full control limited access right of way that do not involve a break in access.
- Any accommodation document within a modified, partial, or non-limited access controlled highway that does not involve a variance to WSDOT's *Utilities Accommodation Policy*. (See [120.14](#), Variances: Types, Treatment, and Approval, for detailed information on variance types and treatment.)
- Longitudinal installations within any non-limited access highway except those proposed to be installed within any median.
- Aerial installations within Scenic Classes C and D and nonvariance installations as determined by the region within Scenic Classes AX and BX. (See [120.08](#), Scenic Classification Policy, for detailed guidance.)
- Aboveground installations classified as Location III utility objects.

(b) Region-Approved Variance Accommodation Documents

- Longitudinal utility installations within partial or modified limited access highways.
- Utility installations using open trench construction methods, other than interstate, involving uncased pipes transmitting material, other than natural gas, that is flammable, corrosive, expansive, energized, or unstable. All other uncased installations require Headquarters approval.
- Crossings of fully controlled limited access highways.
- Roadway installations proposing to open cut the existing paved roadway.
- Utilities installed within the area defined as Category 1 (see Figures [100-1](#) and [100-2](#)).
- Installations that are proposed to be installed at less than the minimum required depth. (See [120.04](#), Pipelines, for minimum depth requirements.)

(c) Region-Executed Administrative Documents

- Individual sureties.
- Utility Transfer of Ownership for utilities limited to utility installations within individual regions' boundaries. (See [130.05](#), Utility Transfer of Ownership – Acceptance of Assignment, for detailed guidance.)
- Notice of Filing required for utility installations that require advertisement of an opportunity for a hearing. (See [120.01](#), Hearings, for detailed guidance.)

- (d) **Region Approval Requirements** – All region-approved documents must meet, as applicable, the following criteria:
- Installation is in accordance with the *Utilities Accommodation Policy*.
 - No objection to the installation has been filed by a third party.
 - No dispute exists between WSDOT and the applicant with respect to the acceptability of the proposed installation.
 - Access plan revision has been approved for routine maintenance of the utilities facility.
 - A utility service access road will not be constructed.
 - All aboveground utility objects are classified as Location III Objects.

100.07 Accommodation Process and Procedure

The utility accommodation process varies in duration and complexity depending on the proposed installation's impact to highway facilities and its compliance with WSDOT's utility accommodation requirements. The process described in this section is generic in nature. Differences in application processing will exist between regions and from one application to another.

In general, all applications go through a four-step process between the time the initial application is received and the utility installation certification process is completed. This four-step process can be as short as several weeks for a simple utility service connection or as long as several years, depending on the nature and complexity of the proposed utility installation. The four basic steps in the utility accommodation process are:

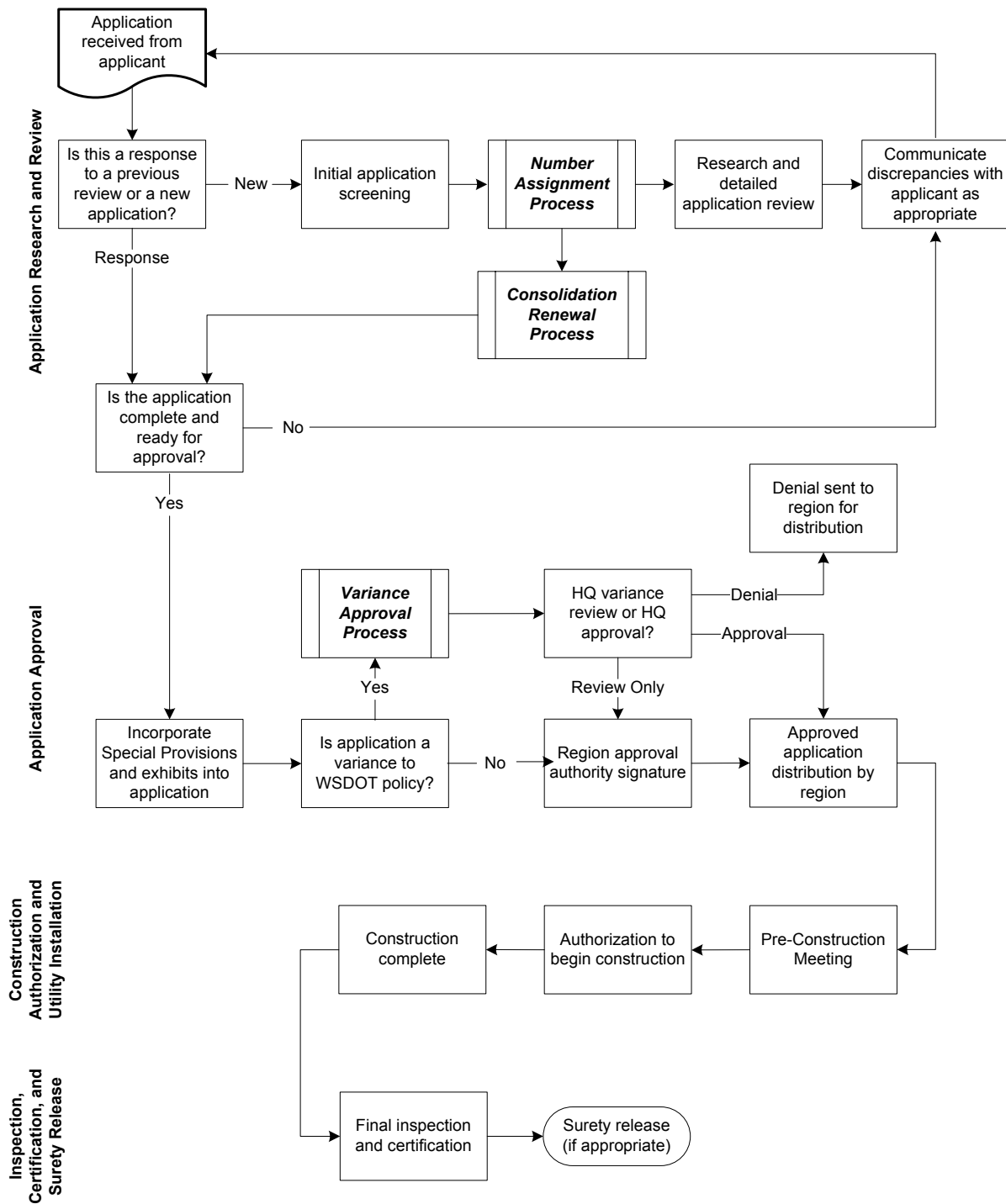
Step 1 Application Research and Review

Step 2 Application Approval

Step 3 Construction Authorization and Utility Installation

Step 4 Inspection, Certification, and Surety Release

Refer to [Figure 100-8](#), Utility Accommodation Process, for a flow chart outlining this four-step application process.



Utility Accommodation Process
Figure 100-8

(1) Application Research and Review

All applications must be reviewed to ensure they are accurate, complete, and meet WSDOT standards and requirements for utility installations within the highway operating right of way.

(a) **Initial Application Screening** – Initial screening should generally include, but is not limited to, the following:

- Application and UFD forms are complete and satisfactory (address, contact information, signature, tax ID number, and so on).
- SR and MP are accurate.
- Installation category is correct.
- Application and UFD information match.
- Attached plans match information on application and UFD.
- Appropriate fee is included with application.
- Does it need a reimbursable account?
- Surety is included or on file (blanket sureties).

(b) **Assigning Application Numbers: Utility Classification Criteria** – Assigning an application number requires that the application be reviewed to determine compliance with the Utility Classification Criteria (see [100.04](#)). Compliance with the Utility Classification Criteria dictates how an application number will be assigned to the application.

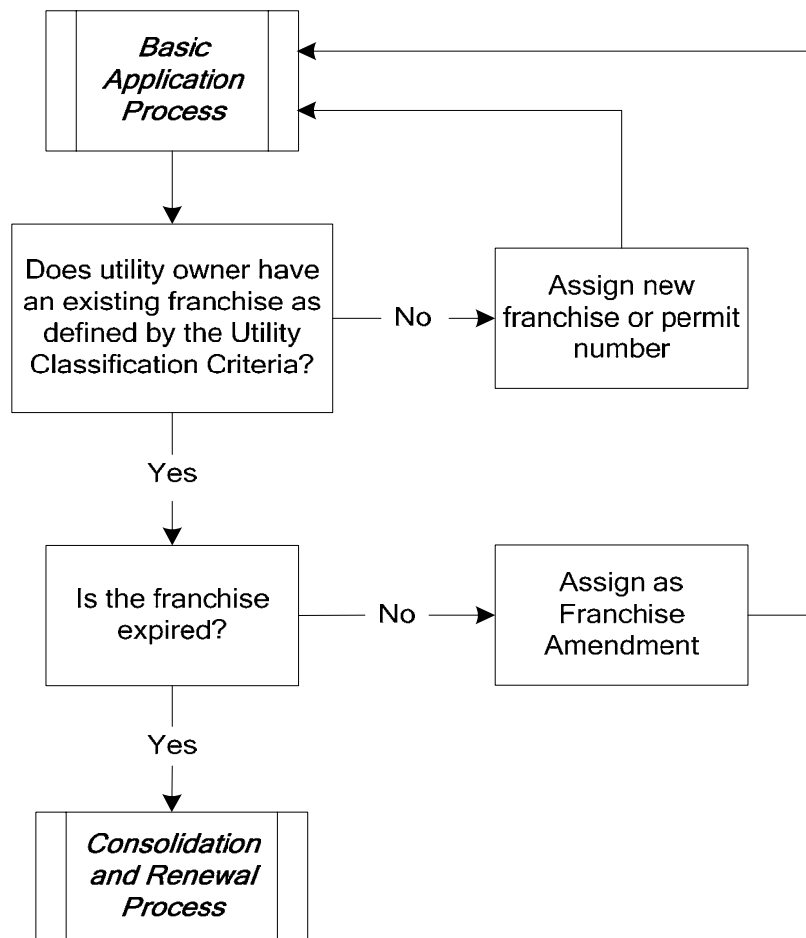
The following questions must be answered to determine an application's compliance with the Utility Classification Criteria (see [Figure 100-9](#), Assigning Document Numbers).

1. Does the utility owner have an existing franchise within the boundaries as defined by the Utility Classification Criteria?
 - If no, issue a new utility franchise or permit number as described in [100.02](#), Types of Utility Accommodation Documents.
2. If yes, is the franchise current or expired?
 - If the franchise is current, assign a Franchise Amendment to the proposed utility installation.
 - If the franchise is expired, the Consolidation or Renewal process must be started.

(c) **Consolidations and Renewals** – Consolidations and Renewals are fixed processes that accomplish specific WSDOT utility accommodation goals. Both are required processes if a situation dictates either is necessary (as described previously). Utilities can also enter into the Consolidation process voluntarily. The process is essentially the same, whether it is required by the department or requested by the utility.

The amount of effort for a Consolidation will vary depending on a variety of circumstances. (See [110.02, Franchise Consolidation and Franchise Renewal Process and Requirements](#), for detailed guidance.)

A key goal of the Consolidation process is roadside hazard elimination. Refer to [Chapter 9](#) for a detailed description of the purpose and goals of Control Zone management.



Assigning Document Numbers

Figure 100-9

(d) **Research and Detailed Review** – Once the initial screening is complete and an appropriate application number has been assigned, the application must be reviewed in detail. Depending on the category and complexity of the application, these reviews can be quick and routine. Others may require significant effort from a variety of region functional support offices, including:

- Maintenance
- Bridge Maintenance
- Bridge Preservation
- Traffic
- Environmental
- Landscape
- Hydraulics
- Design
- Project
- Materials Lab

Any variance proposals should also be reviewed at this time to ensure the variance is sufficiently justified, as discussed in [120.14](#), Variances: Types, Treatment, and Approval.

- (e) **Communicate With Applicant** – Once a detailed review has been completed, any identified discrepancies, inconsistencies, errors, unjustified variance proposals, or other issues should be communicated to the applicant. This discrepancy communication process may vary between applications. It can be an informal phone call or e-mail, a formal letter to the applicant, or a scheduled meeting to go over any identified issues in detail. It may also be appropriate to communicate minor issues to the applicant prior to an internal region review.
- (f) **Variances to Policy** – Variance approvals require additional justification and a more rigorous approval process than nonvariance installation proposals. If an application proposes a variance to WSDOT policy, the applicant should be made aware of the type of variance and the associated justification process as soon as possible. Discuss installation alternatives to the proposed variance with the applicant. The utility owner should be provided an opportunity to revise installation location or methods to avoid the variance process and any negative impacts it may have on highway facilities or the utility's construction schedule. (See [120.14](#), Variances: Types, Treatment, and Approval, for detailed information.)

(2) **Application Approval**

Prior to approval, all applications should have undergone a comprehensive review process that verifies the application meets WSDOT's utility accommodation policies and guidelines. The final step in the application process is to put together a utility franchise or permit package for approval. Documentation necessary for accommodation documents varies. (See [100.02](#), Types of Utility Accommodation Documents, for detailed information on accommodation documentation.)

Any approved utility franchise or permit should be detailed and specific enough for a utility inspector or maintenance employee to determine whether a utility contractor is installing the utility as approved.

- (a) **Types of Accommodation Approvals** – Approval of an accommodation application will vary depending on the nature and complexity of the installation proposal. For specific signature approval authorities for various types of utility accommodation documents, refer to [100.06](#), Approval Authority.
1. **Nonvariance Approvals** – Applications that meet WSDOT's policies and guidelines are approved within the region by either the Region Utilities Engineer or the Regional Administrator or designee.
 2. **Variance Approvals** – Variance approval is dependent on the type of variance being proposed to determine region, Headquarters, or FHWA approval.

110 General Requirements

110.01 Accommodation Application Requirements

Utility installations shall be authorized only if it can be shown the proposed installation will not have a negative impact upon, nor in any way inhibit, the continued operation, maintenance, structural integrity, or future improvement of highway transportation facilities. In all cases, the needs of WSDOT shall take precedence over the needs of the utility.

(1) Utility Accommodation: Requirements

RCW 47.44
WAC 468-34-160

Utilities must obtain written approval from WSDOT prior to occupation by any materials, equipment, or personnel within the operating highway right of way. The department may grant approval only after appropriate review of the proposed work. Companies installing utilities without WSDOT's express written consent are guilty of a misdemeanor and may be liable for monetary and other penalties, as allowed by law. (See 130.04, Penalties, for additional information on unauthorized utility installations.)

Applications should include sufficient information to allow WSDOT to clearly determine the nature and extent of the utility installation with regard to highway plans and facilities.

WAC 468-34-020(1)

Utilities are required to pay for all costs associated with the review and approval of utility accommodation requests, including related direct and indirect overhead expenses. (See 110.03, Fees and Reimbursable Accounts, for additional guidance on cost recovery.)

(2) Accommodation Documents: Evaluation for Impacts

The purpose of operating right of way is to provide the safe, economic, and efficient transport of people and goods across the state and beyond. Utilities may be installed within the operating right of way provided the installation does not negatively impact these transportation purposes.

Utility accommodation applications received by WSDOT should be evaluated for any impact the installation may have on existing, planned, or potential transportation facilities. To meet the necessary requirements, proposed installations must:

WAC 468-34-130(2)

- Be designed to be safely constructed and maintained.
- Have no adverse effect on the efficient operation of the highway right of way or its facilities.
- Be placed in a location that will avoid interference with highway operations, maintenance, and future highway improvement(s).
- Minimize the need for future utility adjustment to accommodate highway improvements or other transportation work.
- Be placed as near the outside edge of the right of way line as possible for longitudinal installations.
- Not deviate from the *Utilities Accommodation Policy*, WSDOT policy, applicable laws, or industry codes, standards, or regulations.
- Meet or exceed the same legal and regulatory requirements as those required of WSDOT.
- Impart, by law, no monetary cost to the taxpayer or in any way use funds set aside for transportation purposes during the life of the installation.

WAC 468-34-130(1)

WAC 468-34-130(2)

Amendment 18 to
the Washington State
Constitution (Section 40 –
Highway Funds)

(3) Other Documentation: Standard Forms and Exhibits

The following forms and documents (see [Appendix B](#) for examples) are required for all Category 1, 2, and 3 utility installation applications within the operating highway right of way:

- DOT Form 224-030, Special Provisions for Permits and Franchises, Exhibit A
- DOT Form 224-696, Application for Utility Permit or Franchise
- DOT Form 224-697, Utility Facility Description, Exhibit B

All applications must be submitted on forms provided by WSDOT. Construction plans and details must show the exact location of the proposed utility in relation to highway features in the vicinity of the proposed installation, including the centerline, fog line, top and bottom of ditch or toe of slope, existing structures, and other highway features.

[WAC 468-34-010\(1\)](#)

(4) Required Documentation: Nonstandard Exhibits

The documents that may also be required with an approved application package, as determined by WSDOT on a case-by-case basis, include:

[WAC 468-34-010](#)

- WSDOT Right of Way Plan sheet for the installation area.
- Utility-submitted plans, sketches, cross sections, profiles, or details.
- WSDOT installation requirements such as typical crossing details.
- WSDOT-approved Traffic Control Plan.
- Approved Temporary Erosion and Sediment Control (TESC) Plan.
- Approved Dewatering Plan.
- Approved Bridge Attachment Plan and details.
- Consolidation or Renewal Plan.
- Corrective Action Plan.
- Miscellaneous/other plans or details.

(5) Required Documentation: Category 4 Applications

Category 4 franchise applications must be submitted to WSDOT on Category 4 Confirmation of Compliance forms (see [Appendix B](#), Utility Forms and Documents).

[WAC 468-34-110\(53\)\(d\)](#)

(6) Additional Submittal Requirements: All Applications

In addition to category-specific standard and nonstandard form requirements, all applications, regardless of category, require that an appropriate application fee and performance surety be submitted prior to approval of an application. (See [110.03](#), Fees and Reimbursable Accounts, and [110.04](#), Sureties, for detailed guidance.)

[WAC 468-34-020\(1\)](#)
[WAC 468-34-020\(3\)](#)

(7) Utility Installation Plan Requirements

The level of detail necessary for plan submittal is dependent on various factors, including the application category and type of right of way and the circumstances relative to each installation. The following guidelines should be used when considering proposed installation plan requirements.

(a) **Installation Plan Guidelines** – Utility plans should:

- Have sufficient detail to illustrate the intent of the installation.
- Match the Utility Facility Description.
- Clearly define issues such as pavement cuts, horizontal and vertical location, environmental issues, and other data determined necessary by WSDOT.
- Allow utility inspectors to confidently determine whether a utility is installed in the manner and at the location approved by the department.

Plans that do not show sufficient detail to verify factors surrounding a proposed installation may require additional information for WSDOT approval.

110.02 Franchise Consolidation and Franchise Renewal Process and Requirements

Both the Franchise Consolidation and Franchise Renewal processes often require significant research and effort by both the department and the utility for the process to be accomplished thoroughly and correctly. This research should include field verification, review of existing accommodation documents, and other information before a Franchise Consolidation/Renewal can be completed and approved (see [Figure 110-1](#)). This research effort is necessary to: ensure existing surface utilities meet current [Utilities Accommodation Policy](#) standards; verify utility location and ownership; comply with Control Zone requirements; and meet highway safety standards. As much as is reasonable and feasible, all utility information must describe the utility and its appurtenances in their entirety. This is also an opportunity to clean up old files.

Partial Consolidation or Renewal of an existing franchise is discouraged and should be avoided. Franchise Amendments that meet the Utility Classification Criteria do not require Consolidation. Franchise Consolidations and Renewals should include any utilities that have been disconnected/deactivated² on the Utility Facility Description form.

At a minimum, research during the Consolidation/Renewal process should be to review, verify, and correct any issues identified during the process. A Consolidation/ Renewal Plan can be developed at the discretion of each region and in cooperation with the utility for any noncompliant utility objects. This plan shall be attached to the Franchise Renewal or Consolidation document as an exhibit.

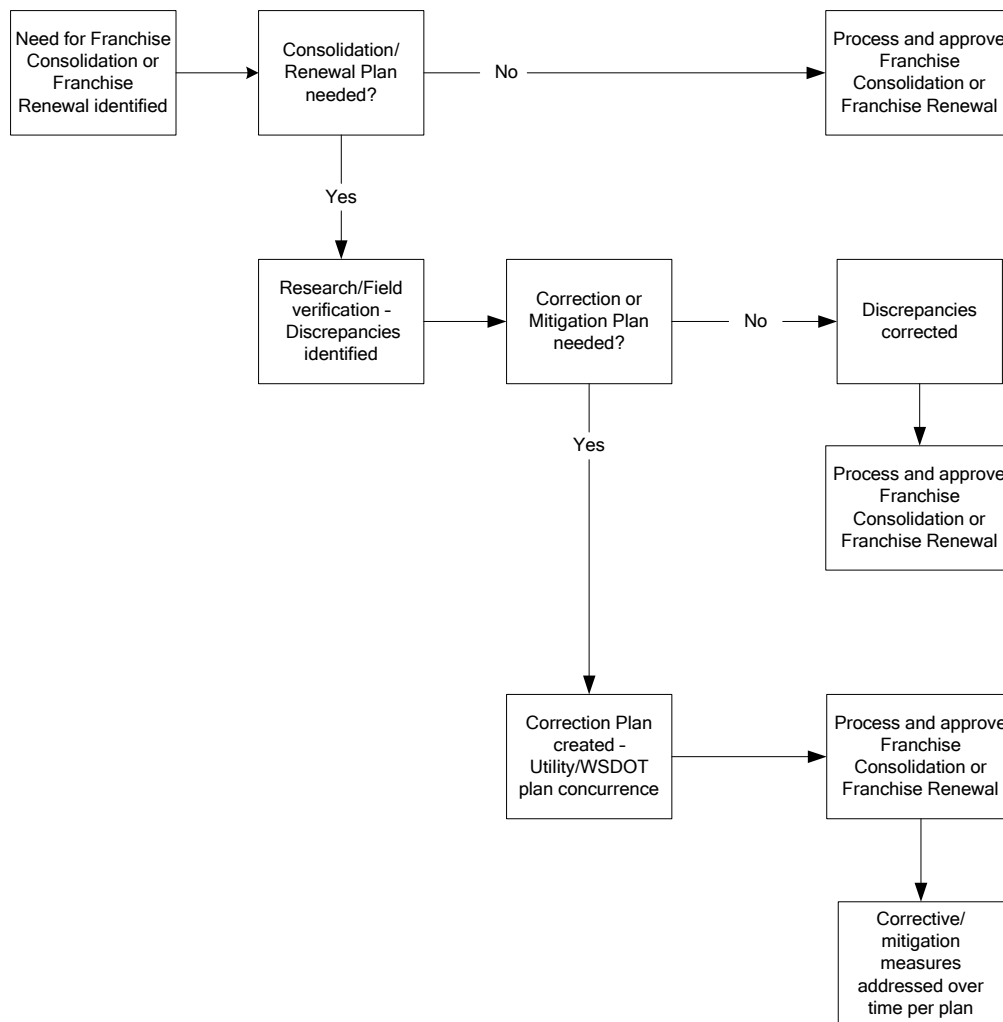
(1) Consolidation/Renewal Plan

When necessary, the department should meet with the utility to develop a Consolidation/ Renewal Plan. At a minimum, this plan should outline the:

- Roles and expectations between the utility and WSDOT.
- Time frames and milestones for research and field surveys.
- Deficiencies correction needed.
- Target dates for mitigation and correction.
- Approval of interim service connections.
- Target Consolidation/Renewal submittal date.

As a best practice, the department may provide to the utility any information available regarding known utility locations from internal sources such as hard copy files and databases. Consolidations and Renewals should include disconnected/ deactivated in-place utilities on DOT Form 224-697, Utility Facility Description, Exhibit B (see [Appendix B](#)).

²Disconnected/deactivated utilities must be tracked due to potential impacts to highway improvement projects and for potential use by other utilities or the department.



Franchise Consolidation/Renewal Process

Figure 110-1

(2) Research

Franchise Consolidation and Franchise Renewal applications should be reviewed to discover opportunities for utility/WSDOT partnerships for mitigation of deficiencies, as well as to update current conditions. Research information may include the following:

- Utility Classification Criteria
- Planned highway improvement projects
- Planned utility improvement projects
- Annexations
- Access control designation changes
- Category 4 installations
- Undocumented utilities
- New installations being proposed
- Ownership changes
- Traffic safety
- Control Zone
- Scenic Classification

In order to identify deficiencies that may need to be addressed during the Consolidation/Renewal process, it is also necessary to gather field data specific to the method of utility installation in order to accurately verify existing conditions. The following information must be submitted to WSDOT by the utility with the Consolidation or Franchise Renewal application.

- (a) **Field Data: Surface and Aerial Utility Installations** – DOT Form 224-697, Utility Facility Description, Exhibit B, and the Utility Object Relocation Record (UORR) form (see [Appendix B](#)) should be completed and submitted to the department. Both documents should contain the:

- Milepost location of each utility object being described.
- Utility offset from the highway centerline and edge of traveled way (fog line).
- Slope characteristics (such as fill slopes, foreslopes and backslopes, ditch depths and widths, and so on) between the centerline and the utility; extend to right of way whenever possible.

This information should be gathered for any surface and aerial utility objects, including, but not limited to, the following:

- | | |
|---------------------------------------|--|
| • Individual utility and guy poles | • Hydrants |
| • Down guys | • Gas or casing vents |
| • Hydrants | • Conduits, both vacant and occupied |
| • Telephone pedestals | • Other aboveground utilities or appurtenances |
| • Ground-mounted transformers | • Cabinets |
| • Disconnected/deactivated facilities | |

Submit the above-mentioned forms, along with DOT Form 224-696, Application for Utility Permit or Franchise (see [Appendix B](#)), to start the Consolidation or Renewal process.

- (b) **Field Data: Subsurface Utility Installations** – DOT Form 224-697, Utility Facility Description, Exhibit B (see [Appendix B](#)) must be completed and submitted to the department. Utility owners must locate subsurface utilities to verify the location, size, and other attributes of the utility. Information should be gathered for all subsurface utilities, including, but not limited to, the following:

- | | |
|--------------------------|---------------------------------------|
| • Waterlines | • Hand-holds |
| • Valves | • Drainage facilities |
| • Pressure relief valves | • Casings |
| • Blow-offs | • Conduit |
| • Vents | • Vaults |
| • Pumps | • Manholes |
| • Cables | • Disconnected/deactivated facilities |

(3) Undocumented Utility Installations and Improvements

Utilities should be encouraged to provide information regarding undocumented utility installations and improvements during the Consolidation/Renewal process. Generally, there should be no penalty or consequence for providing this information. It is to the benefit of both the department and the utility to document as much information as possible about utilities within the operating highway right of way.³ Approach the Consolidation/Renewal process as an opportunity to collaborate with the utility to locate and identify as many undocumented utilities as possible.

- (a) **Planned Highway Improvements** – The department should inform utilities early and often of any planned or programmed highway improvements that may offer an opportunity for correction of identified utility deficiencies or improvements. Frequent communication with the utility industry by region Utilities Offices is strongly encouraged.

³ Accurately documenting utilities avoids utility damage during highway maintenance work and costly impacts to highway improvement projects due to delays caused by unidentified utilities.

- (b) **Planned Utility Improvements** – Utilities should be encouraged to share planned improvements with WSDOT that may offer opportunities to enhance the safety and visual quality of highway corridors.
- (c) **Annexations** – Franchise Consolidations and Franchise Renewals should exclude those portions of the previous franchises and permits now located within city limits. The current State Highway Log should be reviewed for changes in the milepost limits of city boundaries. Local agencies should also be contacted to determine recent annexations that may not be included in the current State Highway Log. Limited access highways are exempt from this rule. (See 120.03, Annexations and Route Jurisdiction Transfers, for additional guidance.)

 Best Practice

To avoid confusion and to maintain a historical record of changes between successive accommodation documents, changes in jurisdiction should be noted in the accommodation document.

 Best Practice

- (d) **Access Control Designation Changes** – Right of way designations should be reviewed for changes in access levels. Generally, this only affects jurisdiction issues relating to utilities located within city limits (see [Annexations](#) above). WSDOT retains jurisdiction and control of utilities installed within limited access right of way.

If a local agency has annexed an area of the highway since the last franchise was issued, but part or all of this area is within limited access, this condition should be noted in the Special Provisions.

- (e) **Scenic Classification** – Aboveground utilities should be reviewed for changes in scenic classification designations as well as the need for existing utilities to be installed underground within Scenic Class A or B or areas designated as Subclass X.
- (f) **Safety** – As part of the Consolidation/Renewal process, research should be conducted to determine the location of any highway safety issues, such as documented utility pole hits, clear zone inventories, and other data, to identify any known or potential deficiencies along a highway corridor. Provide this information to the utility company and compare with data provided by the utility to assist in developing a Mitigation or Corrective Action Plan. Corrective measures should be created in partnership with the utility to remove or mitigate the unsafe utility object and protect the traveling public. The plan should identify what measures will be taken to resolve the safety issues as well as the agreed time frame for making improvements.

Safety issues that may need to be addressed when considering Consolidation/ Renewal efforts include:

- Areas with potential for improvement.
- Facilities within the Control Zone.
- Highway and utility maintenance issues.
- Highway improvement or preservation projects.
- Utility improvement projects.

The Consolidation/Renewal process should include review of utility-related accidents within the area of the proposed Consolidation or Renewal. Obtain an accident report from the region Traffic Safety Office (TSO) for the highway and milepost limits of the Consolidation/Renewal under consideration. Areas with potential for improvement identified by the TSO that involve utilities should be mitigated or, preferably, corrected by the utility as soon as possible, with high priority.

- (g) **Highway Maintenance** – Consult local highway maintenance areas to identify any utility installations that may be troublesome for highway maintenance crews. Include corrections to issues identified in the Corrective Action Plan.
- (h) **Corrective Action Plan** – When significant discrepancies are identified whose correction may place a significant financial or operational burden upon a utility, a Corrective Action Plan or Mitigation Plan should be created jointly between WSDOT and the utility. Both the utility owner and the department should approach the Consolidation/Renewal process in a cooperative manner in order to develop a plan for addressing any deficiencies identified during the Consolidation/Renewal process.

When deficiencies are identified, WSDOT should work cooperatively with the utility to develop a Corrective Action Plan. This plan should outline the:

- Expectations of the utility.
- Constraints limiting immediate deficiency correction.
- Plan for overcoming identified constraints.
- Time frames and milestones for correction of specific deficiencies.
- Target completion date.

Once deficiencies have been identified, both organizations should work together to develop a workable plan to mitigate deficiency issues. Corrective Action Plans should identify and prioritize the correction of deficiencies. For example, documented safety issues such as utility pole hits should be a top priority, and a plan for immediate correction should be developed. Identified clear zone infractions without a documented history of accidents may be corrected systematically over time as part of planned highway improvement project utility relocation efforts or during planned utility upgrades.

Regardless of the manner in which deficiencies are addressed, it is important to take proactive, systematic, and cooperative steps toward making corrections. Creation of a Corrective Action Plan holds the utility responsible and accountable, identifies reasons for delay of immediate corrective actions, and creates expectations of the utility.

When used, Corrective Action Plans should be attached to the Franchise Consolidation/Renewal application as an exhibit.

(4) New Utility Installations Included in Consolidations/Renewals

New utility installations may be included in Consolidations or Renewals. However, the Consolidation or Renewal process is mainly an inventory and administrative procedure and does not provide the same level of review and approval as a new utility installation. Issues related to new utility construction, such as traffic control, construction impacts to highway facilities and maintenance, and related issues need to be addressed when new utility installations are proposed to be included as part of the Consolidation/Renewal document.

Circumstances vary with each situation. However, it may be better to process an amendment separately from the Consolidation/Renewal being developed, rather than issue the amendment at the same time as the Consolidation/Renewal document.

(5) Consolidation/Renewal Administration

Administratively, Consolidations and Renewals provide opportunities to clean up old files.

For Consolidations, use the Utility Classification Criteria to combine franchises, amendments, permits, and Category 4 permits into a new document. Assign a new franchise number and cross reference the old documents into the new document both in

the Special Provisions and the Utility Franchise and Permit (UFP) database. Document retention rules require that documents superseded by the Consolidation be kept in the region Utilities Office for six years, after which they should be destroyed.

A Franchise Renewal is used to cover facilities that were issued under a franchise that was at, or near, its expiration date. The Renewal should include all amendments to the initial franchise. Permits, Category 4 facilities, and unrecorded facilities may be included in the Franchise Renewal if they are within the limits of the initial franchise and its amendments. Facilities covered by other franchises cannot be included in the Franchise Renewal.

(6) Utility Responsibility

By signing the Application for Utility Permit or Franchise form, the applicant agrees to meet the terms and conditions of the application and any exhibits or attachments issued with the approved application. Those requirements include maintaining a valid and active utility accommodation document. Although WSDOT may inform a utility of expired utility franchises, it is ultimately the responsibility of the utility to ensure it has sufficient resources to meet the requirements contained herein.

WSDOT acknowledges this may require resource expenditures by utilities in order to meet this obligation. It is the department's expectation that, by allowing utilities to occupy the operating highway right of way, all requirements of the *Utilities Accommodation Policy* will be met, including maintaining an active accommodation document, and that the utility will plan for such contingencies accordingly.

By signing a utility accommodation document, the utility agrees to meet its obligations to WSDOT in a timely and satisfactory manner.

- (a) **Delay by Utility** – Upon notification by WSDOT of an expired or soon-to-expire utility franchise, it is expected that the utility will make a reasonable and timely effort to obtain a utility accommodation document that meets the requirements of the Utility Classification Criteria. If a utility fails to reasonably meet this obligation, notification should be given to the State Utilities Engineer.

Upon review, the State Utilities Engineer may take action up to and including placing a regional or statewide moratorium on further approval of accommodation documents submitted by the utility until such time as the utility is in full compliance with the state Utilities Accommodation Policies.

WAC 468-34-100

110.03 Fees and Reimbursable Accounts

This section describes accommodation documents' fees and reimbursable charges for WSDOT expenses in dealing with utilities' requests for installations within WSDOT right of way.

(1) Accommodation Fee Expenses

Fees collected cover the basic overhead charges related to the processing of accommodation applications. This work includes, but is not limited to, administrative services such as photo copying, accounting, and release of individual sureties. Fees also include work associated with receiving and reviewing applications for overall completeness and minor revisions to the application needed to meet WSDOT submittal requirements.

WAC 468-34-020(1)

(2) Accommodation Fees

WAC 468-34-020(1)

Accommodation fees for various types of applications or processes are shown in Figure 110-2.

Application/Process	Fee
Category 1 Installation	\$500
Category 2 Installation	\$300
Category 3 Installation	\$150
Category 4 Installation	No Charge
Franchise Consolidation	\$300
Franchise Renewal	\$250
Transfer of Ownership	\$50

Fee Schedule

Figure 110-2

(3) Reimbursable Charges

WAC 468-34-020(2)

Reimbursable engineering costs beyond the application fee will be charged for:

- Both internal and external meetings related to the proposed utility installation.
- Detailed engineering review of accommodation requests such as clear zone calculations; scenic classification; Utility Facility Description (UFD) and installation plan review; Variance Justification review; diary entries and internal correspondence (written as needed for application approval).
- Preapplication approval field review by WSDOT personnel as necessary.
- Review of utility relocation plans related to highway improvement project utility relocation needs, to ensure compliance with the *Utilities Accommodation Policy*.

Reimbursable costs will also be charged for postapplication approval field inspection necessary to ensure utility facilities are installed as reviewed and approved by WSDOT. (See [Chapter 7](#), Inspection, for additional details.) Costs for inspection may include, but are not limited to:

- Preconstruction meetings.
- Construction inspection to verify it is installed according to the accommodation document.
- Travel time to and from worksite.
- Oversight of traffic control.

WAC 468-34-020(2)

(4) Reimbursable Accounts

Regions should establish a single dedicated “J” Account for each utility customer. Subsequent accommodation applications should be assigned a separate Group number under the utility’s “J” Account that references the proposed installation’s:

- Application number.
- Milepost limits.
- State route number.
- Utility Work Order number (if available).

For further guidance on reimbursable accounts, see [Chapter 8](#), Reimbursement.

(5) Accountability

It is WSDOT's policy that signature by the utility on the Application for Utility Permit or Franchise authorizes the department to charge for all costs associated with processing the utility's application. Language on the application states that the customer agrees to this policy by signature.

When WSDOT experiences difficulties recovering costs from a utility, the utility may be subject to more stringent recovery policies. Consult with region accounting personnel or the State Utilities Engineer if cost recovery becomes an issue with a particular utility.

110.04 Sureties

Sureties provide WSDOT with a means of recovering costs in the event the utility does not meet its obligations with the department. Sureties are required for all utility installations to offset the cost of repair to the highway operating right of way caused by faulty, unsafe, negligent, or other impacts caused by a utility installation. All sureties must indemnify WSDOT as to contractual liability and must provide the department with a means of recovering costs in the event the utility does not meet its obligations to WSDOT.

WAC 468-34-020(3)

(1) Surety Classes

There are two Surety Classes used in conjunction with utility installations within the highway operating right of way.

- (a) **Individual Surety** – An individual surety is a one-time surety attached to a single utility installation project. The surety is released upon satisfactory completion of that utility installation. For additional guidance, see [Surety Release](#) (below).
- (b) **Blanket Surety** – A blanket surety is acceptable for multiple utility installations by a single utility owner and is valid throughout the state of Washington as long as the surety remains in effect. Depending upon the circumstances of a specific utility installation project, a blanket surety may be supplemented by an individual surety if deemed necessary by WSDOT.

(2) Types of Sureties

There are three types of sureties that can be used within each Surety Class. Utilities have the option to choose which surety to use, provided they are eligible to use the surety type.

(a) Individual Surety

1. **Individual Bond** – An Individual Class surety obtained from a licensed bonding agent. Use DOT Form 224-048, Individual Bond for Franchise or Permit (see [Appendix B](#)).
2. **Individual Escrow Agreement (see Appendix B)** – An Individual Class surety obtained from a licensed banking institution, which must be notarized.
3. **Individual Governmental Entity Pool** – An Individual Class surety obtained from an approved entity pool program.

(b) Blanket Surety

1. **Blanket Bond** – A Blanket Class surety obtained from a licensed bonding agent. Use DOT Form 224-012, Blanket Bond for Franchises and Permits (see [Appendix B](#)).
2. **Blanket Escrow Agreement** – A Blanket Class surety obtained from a licensed banking institution, which must be notarized.

3. **Blanket Governmental Entity Pool** – A Blanket Class surety obtained from an approved entity pool program.

WSDOT recognizes that surety bonding may be difficult for some smaller local agencies. Recommend Assignment of Escrow Accounts to smaller agencies with limited resources. Escrow accounts have no cost and they gain interest while held in the bank.

WSDOT should also work closely with local agencies to ensure understanding of surety requirements and how those requirements could affect agency construction schedules. Local agencies should also be made aware of the department's bonding release requirements. If the local agency releases its contractor's bond before WSDOT inspects and releases the local agency's surety with the department, the agency will be liable for repairs to the highway if the contractor's work is substandard and requires attention.

(3) Governmental Entity Pools

A Governmental Entity Pool is an alternative surety for local agencies and public utilities. For-profit utilities are not eligible for Entity Pool coverage.

Generally, an Entity Pool only provides liability coverage for Participating Members' third-party damages, such as bodily injury or property damage, resulting from members' negligent acts. Coverage is not normally provided for performance. In order for a utility to use an Entity Pool as a surety for highway utility installation purposes, the Entity Pool must be willing to provide, by Resolution, performance coverage in lieu of a performance bond on behalf of its Participating Members.

- (a) **Entity Pool Eligibility** – To meet WSDOT's entity pool surety requirements, an organization must:
 - Be a local agency, such as a city or county, or a public utility.
 - Be a participating member in a joint self-insured local government property/liability program.
 - Have the approval and oversight of the State Risk Manager in the Office of Financial Management (OFM), as provided in [RCW 48.62](#).
 - Operate under the rules of [WAC 82-60](#).
 - Be listed on the OFM Risk Management Division Local Government Self-Insurance Program.

(4) Sureties for Other State Agencies

Sureties are not required for utility accommodations involving other state agencies.

(5) Sureties for U.S. Government Agencies

Sureties are not required for federal agency utility accommodations.

(6) Surety Requirements

The following are minimum requirements for all sureties submitted:

- Must be an original surety document.
- Escrow Agreement must be from a legally licensed banking institution.
- Escrow Agreement must be stamped, signed, and notarized by a valid Notary Public licensed to do business in the state of Washington.

- Bonds must be issued from a bonding agent licensed within the state of Washington. State forms may be used by the bonding agent, or bonding agents may use their own forms, provided all information contained on the state form is contained in the agent form.
- Entity Pool sureties must be self-insured local government property/liability programs that have the approval and oversight of the State Risk Manager in the Office of Financial Management as provided in [RCW 48.62](#) and operate under the rules of [WAC 82-60](#).

(7) Surety Approval

The Region Utilities Engineer approves and maintains individual sureties. The HQ Utilities, Railroad, and Agreements Manager approves and maintains blanket sureties. The HQ Utilities Unit also maintains a Holder List of approved blanket sureties that is updated and published regularly.

(8) Surety Amounts

- (a) **Individual Surety Minimum Amounts** – Individual bonds and Assignment of Escrow Accounts shall be a minimum of \$1000. Surety amounts may be higher if deemed necessary or prudent by WSDOT to enable recovery of foreseeable expenses. [WAC 468-34-020\(3\)](#)
- (b) **Blanket Surety Minimum Amounts** – Blanket Bonds shall be a minimum of \$10,000. However, an individual surety may be used to supplement a blanket surety on a case-by-case basis for individual utility installations if deemed necessary or prudent by WSDOT. [WAC 468-34-020\(3\)](#)
- (c) **Additional Surety** – The Region Utilities Engineer should use individual discretion when considering requiring increased or additional surety amounts beyond the minimum. Reasons or conditions for requiring increased amounts include, but are not limited to:
- Open cuts of the paved roadway.
 - Other Category 1 installations.
 - Demonstrated poor work performance issues.
 - Scope of work, such as large or high-impact projects.
 - Roadway crossings other than open cuts.
 - Bridge attachment installations.

WSDOT may increase surety amounts for any reasonable situation deemed high risk to the continued safety or operation of department facilities.

(9) Surety Duration

To ensure authorized utility work has been done to WSDOT's satisfaction, all sureties remain in effect until Completion of Construction, as follows:

- (a) **Installations Outside the Roadway** – Sureties for work outside the roadway prism shall be maintained for a minimum period of one year after the date of completion of construction. Drainage, reestablishment of vegetation, or other issues may extend this time period on a case-by-case basis (see below). [WAC 468-34-020\(3\)](#)
- (b) **Open Cuts of Traveled Lanes or Shoulders** – Sureties for work involving disturbance of the roadway prism shall be maintained for a minimum period of two years after the date of Completion of Construction. This is to ensure no settling or other secondary damage has occurred as a result of the installation. [WAC 468-34-020\(3\)](#)

WAC 468-34-020(3)

- (c) **Drainage, Vegetation Reestablishment, or Other Special Situations** – Sureties for special situations shall be held as needed for the situation until Completion of Construction. For example, sureties for utility work requiring revegetation may be held until revegetation has taken hold to WSDOT’s satisfaction. Specific conditions and expectations defining when a surety may be released should be clearly identified in the accommodation document provisions. Identify contact persons in Special Provision No. 1, when used.

(10) Surety Release

- (a) **Individual Sureties** – The surety holder or surety agent must request a surety release in writing from WSDOT. Upon satisfactory review, a letter authorizing the release of the surety must be sent to the bonding agent or banking institution where the surety is held. A copy of the letter should also be sent to the surety holder.
- (b) **Blanket Sureties** – Requests for release of blanket sureties must be made in writing to the State Utilities Engineer. A Notice of Request for Release of Blanket Surety must be distributed to each Region Utilities Engineer for review of installations within their regions. All utility installations installed by the Surety Holder must be reviewed to ensure the Surety Duration has been satisfied.

(11) Changing Blanket Surety

Unless authorized by WSDOT, utilities making a change in surety agents are required to maintain a surety at all times during the surety transition.

(12) Surety for Utility Maintenance Plans

A surety is required for all Utility Maintenance Plans. If the utility has a current blanket surety on file, the Maintenance Plan surety requirement may be considered satisfied. If no blanket surety is on file, an Individual Surety must be obtained before a utility can be allowed access to the highway operating right of way to conduct maintenance, regardless of whether an approved Maintenance Plan is on file.

(13) Contractor Sureties

Performance bonds or any other sureties between utility owners and their contractors do not satisfy WSDOT’s utility surety requirements. The department does not have a business relationship with the utility owner’s contractor. It is WSDOT’s expectation that utility owners will manage their own contractors when hired to work within the highway right of way on behalf of the utility.

110.05 Local, State, or Federal Agencies

All utility installations proposed within the operating highway right of way require submittal of an Application for Utility Permit or Franchise, including all local, state, or federal agencies.

(1) State and Local Agencies

Some state and local agencies from which WSDOT may receive utility accommodation applications include, but are not limited to, the following:

- City municipalities
- County governments
- Department of Natural Resources (DNR)
- Department of Fish and Wildlife (DFW)
- Public school districts
- State Parks and Recreation Commission
- State-funded colleges and universities

Submit applications for utility installation proposals from local agencies and other state agencies on DOT Form 224-696, Application for Utility Permit or Franchise (see [Appendix B](#)). These applications are subject to the same requirements as other applications. Additional documentation may be required as defined elsewhere in this manual or as determined by the Region Utilities Engineer.

(2) Coordination With Other State Agencies

Some state agencies have Memorandums of Understanding (MOUs) with WSDOT. These MOUs may specify that the department and the state agency work together in a certain manner or may outline specific expectations regarding utility accommodation. Currently WSDOT has established MOUs with the following state agency:

- (a) **Department of Natural Resources (DNR)** – WSDOT utility franchises authorize utility companies to install utility facilities within state right of way, but do not authorize utility companies to occupy DNR-managed aquatic lands. DNR also owns and manages upland areas where WSDOT occupies right of way by easement for roadway purposes only.

The DNR maintains authority for management of the state's aquatic lands and issues proprietary easements for activities that occur on them,⁴ including utility easements. In addition to obtaining a utility franchise or permit from WSDOT, utility companies whose facilities are installed upon WSDOT rights of way or highway facilities that cross over DNR-managed aquatic lands and upland ownership must also obtain an easement from DNR.

⁴ These include tidelands and bedlands in the Puget Sound, Willapa Bay, and Grays Harbor; bedlands along the outer coastal shelf; and shorelands and bedlands within navigable freshwater lakes and rivers throughout the state.

(3) Federal Agencies

WSDOT has standing agreements with the following two federal agencies that obligate the department to specific rights, obligations, and coordination efforts relative to utility installations or relocations on state highways.

Agency	Agreement
U.S. Bureau of Reclamation (USBR)	GC-1020-B
U.S. Department of Agriculture, Forest Service	NFS 00-MU-11060000-040 (MOU)

Other federal agencies that may submit utility accommodation applications to WSDOT include, but are not limited to, the following:

- Department of Homeland Security
- Bonneville Power Administration (BPA)
- U.S. Army Corps of Engineers (Corps)
- NOAA USGS
- U.S. Fish and Wildlife Service
- U.S. Department of Energy

Utility installation proposals received from federal agencies must be processed using DOT Form 224-699, Application for Utility Permit or Franchise for U.S. Government Agencies (see [Appendix B](#)). This form contains General Provisions that differ from those of other utilities. Verify that the correct General Provisions are attached to the application prior to issuing the approved document. Use necessary Special Provisions the same as any utility installation application.

Refer to [Chapter 5](#), Government Agencies: State, Federal, Tribal, and Other Entities, for additional information regarding coordination and requirements relating to specific federal agencies.

[WAC 468-34-020\(1\)](#)

- (a) **Federal Agency Fees** – Applications received from the federal government are exempt from application fees. However, the region may still require the federal agency to pay for any additional costs incurred by WSDOT for the review and approval of the agency's accommodation application. Other than application fees, all other application requirements apply to federal applications.

(4) Utility Installation Application Requirements

All utility installations within the operating highway right of way, including those from other government agencies, require submittal of the appropriate accommodation application for review and approval by WSDOT prior to occupation of construction personnel, equipment, or materials on the highway right of way or installation of the utility. Refer to [110.01](#), Accommodation Application Requirements, for detailed submittal requirements.

120 Specific Installation Requirements

120.01 Hearings

(1) *Determining the Need for a Franchise Hearing*

WSDOT is required to determine whether an opportunity for public hearing is necessary for certain utility installations. When determining the need, factors such as traffic flow, residential and public use area access, and business and environmental impacts should be considered.

[RCW 47.44.010](#)
[RCW 47.44.020](#)
[WAC 468-34-030\(1\)](#)

Hearing opportunities will normally be required for proposed utility installations that involve:

[WAC 468-34-030\(2\)](#)

- Overhead transmission lines in excess of 35 Kv.
- Facilities involving the installation of carrier pipe larger than 18 inches nominal diameter.
- Facilities requiring an excavation wider than 3 feet.
- Pipelines carrying transmittants that are flammable, corrosive, expansive, energized, or unstable and that are larger than 4 inches nominal diameter.
- Pressurized carrier pipes larger than 12 inches nominal diameter.
- Underground installations of any size that require excavation through landscaped areas authorized by permit and that are maintained by owners of abutting property.

WSDOT may approve, without advertisement, all other franchise applications.

(2) *Hearing Requirements Met Under a Related Process*

WSDOT may determine that hearing requirements have been met if the planned facility has already been or will be the subject of environmental land use or other hearings, such as the SEPA process or where the applicant presents evidence of a direct contact with owners of abutting property. However, any comments received from the public Notice of Opportunity for a Hearing must be addressed to the satisfaction of the department by the applicant prior to approval of the franchise.

[WAC 468-34-030\(3\)](#)

(3) *Franchise Hearings*

Those franchise applications that WSDOT determines warrant a hearing or hearing opportunity shall be processed in accordance with [WAC 468-34-040 – 468-34-090](#).

120.02 City Streets as Part of State Highways

A city is responsible for utility permitting on non-limited access highways within its city's limits. WSDOT is responsible for maintaining the pavement on the highway within the city limits. Even though cities can allow open cuts of the highway, the restoration must meet department requirements. All efforts should be made by the region Utilities Office to coordinate review of any proposed utility installation within the city.

[RCW 47.24.020\(4\)\(5\)](#)

Work Zone Traffic Control for utility installations must meet MUTCD requirements. The region must work closely with the city to ensure the use of proper Work Zone Traffic Control.

[RCW 47.24](#)
[RCW 47.24.020\(13\)](#)

120.03 Annexations and Route Jurisdiction Transfers

(1) Annexations

Cities often annex areas along or near existing city boundaries that include state highways. This annexation process effects jurisdiction as it relates to utility accommodation. (See [120.02](#), City Streets as Part of State Highways, for information on jurisdictional issues relating to utility accommodation.) Annexations that include non-limited access highways transfer jurisdiction of utility permitting authority to the city. City limits are noted on the latest edition of the State Highway Log. Annexation information is the responsibility of the local cities and counties.

- (a) **Processing Existing Accommodation Documents** – Existing accommodation documents approved by WSDOT should be sent to the local agency. Entries should be made in the UFP and the accommodation document file indicating the date of transfer and other pertinent data such as local agency contact information and annexation resolution number. A letter or other assignment document must be sent to the local agency indicating the assignment of the utility accommodation authority.

(2) Route Jurisdiction Transfers

[RCW 47.24.020](#)

Route Jurisdiction Transfers (RJTs) are the transfer of ownership of a specific roadway from WSDOT to a local agency or vice versa. Upon formal transfer, operation and maintenance responsibilities are transferred to the receiving agency.

- (a) **Transfer to WSDOT by a Local Agency** – When WSDOT accepts responsibility for a roadway, every effort should be made to obtain all available utility accommodation information from the local agency. Any companies known or suspected of having utilities along the route should also be contacted and informed of the change in route ownership. Existing accommodation documents obtained from the local agency are automatically canceled. All utilities must obtain an approved accommodation document from the department. Refer to [Undocumented Utilities](#) (below) for information on obtaining an accommodation document for existing utilities.

Other considerations include:

- City limits and jurisdiction issues
- Access control levels
- Control Zone issues
- Property rights (easements)
- Urban growth and associated utility issues

1. **Ownership Transfer to WSDOT: Acceptance Process** – The region Utilities Office should make every effort to become involved as early as possible in the transfer process to ensure utility accommodation issues are properly coordinated. Routes being transferred to WSDOT should be screened to estimate the level of effort needed by the region Utilities Office to bring the proposed route up to department standards before the transfer process is completed and to inventory obvious utilities. Make every effort to obtain existing accommodation documents from the local agency and incorporate them into WSDOT records.

Review existing permits or franchises issued by the local agency for contract terms. If there is a termination clause, WSDOT should decide whether to terminate the agreement pursuant to the termination language and issue its own franchise or maintain the existing agreement. If no termination clause exists, regions should contact the HQ Utilities Unit for legal assistance if necessary.

2. **Reviewing Existing Accommodation Documents** – After obtaining existing accommodation documents from the local agency, they should be reviewed for language that may bind WSDOT or the utility to specific actions or conditions.
 3. **Processing Existing Accommodation Documents** – New franchises or permits must be issued using standard WSDOT forms and provisions. Copies of existing documents received from the local agency should be kept in the file until a new WSDOT-issued accommodation document is issued. Copies of the new franchises shall be sent to the utility owner.
 4. **Resolving Existing Safety and Variance Issues** – Existing accommodation agreements between the local agency and the utility cannot be contrary to WSDOT utilities accommodation policies. Resolution of issues such as Control Zone encroachments relating to existing aboveground utilities should be approached in a programmed manner that accounts for budgetary and other constraints associated with the utility owner. At the same time, it should provide a method of resolving safety or other issues on the newly acquired roadway in a timely fashion.
 5. **Undocumented Utilities** – Undocumented utilities are often identified when a service connection or extension of an existing utility is needed on an RJT highway. Undocumented utilities should be provided a reasonable opportunity to become properly documented with WSDOT. Every effort should be made to work cooperatively with the utility to document the existing utility infrastructure while subsequently accommodating the installation of the newly proposed utility facility. (See [130.07](#), Undocumented Utility Installations, for detailed guidance.) Treat unsafe conditions such as utilities within the Control Zone with a Corrective Action Plan (see [Chapter 9](#)).
- (b) **Transfer from WSDOT to a Local Agency** – When a route is transferred to a local agency, existing accommodation documents must be part of the transfer. Existing accommodation documents held by WSDOT are canceled. Original accommodation documents identifying existing utilities must be sent to the local agency. Entries are to be made in the UFP revising the status of transferred documents to Inactive. Entries should explain where the documents were transferred, the date of the transfer, and the resolution or certification number.
1. **Processing Existing Accommodation Documents** – Existing accommodation documents approved by WSDOT should be forwarded to the receiving agency. Entries should be made in the UFP indicating the date of transfer and other pertinent data such as local agency contact information.

[RCW 35A.14.900](#)

(3) Fees

All costs associated with processing accommodation documents that resolve existing safety or variance issues are to be paid by the utility as defined in [Chapter 8](#), Reimbursement. Existing but undocumented utilities are subject to all fees and costs associated with documentation of the existing utility. (See [130.07](#), Undocumented Utility Installations, for additional guidance.)

[WAC 468-34-020](#)

120.04 Pipelines

Pipelines and casing installed within the operating right of way must meet the requirements of this manual, the WSDOT *Utilities Accommodation Policy*, and the references. References to pipe in this section are inclusive of all types of pipe, including carrier pipe, casing, galleries, conduit, innerduct, or any other enclosure that may convey or contain a utility.

(1) *New Installations*

WAC 468-34-240(1)

Applications for proposed pipeline installations must specify:

- Capacity, count, class of transmittants, or other quantitative data.
- Maximum working, test, and/or design pressures.
- Industry design standards for the class of carrier.

(2) *Changes in Existing Facilities*

WAC 468-34-240(2)

Pipeline use is restricted to that which was originally approved. Changes in the use of an existing pipeline require advance approval by WSDOT. A new application could be required for any change in the originally approved facility, which may include:

WAC 468-34-240(1)

- Ownership (see 130.05, Utility Transfer of Ownership – Acceptance of Assignment).
- Capacity, count, class of transmittants, or other quantitative data.
- Increase or decrease in maximum working, test, and/or design pressures.
- Change in capacity.

Any changes made to previously approved installations should be documented appropriately.

(3) *Abandoned, Deactivated, or Disconnected Pipeline*

WAC 468-34-250(3)(d)

When it is determined a pipeline is no longer needed, the first consideration should be removal. If removal is determined to be infeasible, an abandoned pipeline may remain within the operating highway right of way provided doing so would not negatively affect the roadway structure or continued maintenance and operation of the highway facility. Abandoned pipe shall be backfilled with pressure grout or other suitable material as directed by WSDOT. (See 130.06, Abandoned, Deactivated, or Disconnected Utilities, for additional guidance.)

Best Practice

- (a) **Documentation of Abandoned, Deactivated, or Disconnected Pipelines** – To aid project design and delivery efforts within WSDOT, an accommodation document should be maintained on file for the abandoned in-place pipe defining the status, location, and ownership of the abandoned pipe.

Best Practice

- (b) **Hazardous Piping Material** – Ownership of any abandoned, deactivated, or disconnected pipelines composed of hazardous materials such as asbestos cement should remain the property of the utility until such time as the pipe is removed from the right of way and properly disposed of. Maintain an accommodation document for the utility and list the pipe as abandoned in the UFP database.

Best Practice

- (c) **Pipes Carrying Hazardous Material** – Abandoned, deactivated, or disconnected pipelines that may have transmitted hazardous substances such as petroleum or other products can remain in the right of way as long as the pipe has been flushed or otherwise decontaminated. The abandoned utility may be used for a subsurface conduit or casing if a future need arises in the area.

(4) Existing Pipelines: Adjustment

Adjustment of pipe location, depth, size, or capacity is often necessary due to utility needs, construction conflicts, existing shallow installation depth, damage, or other situations and/or conditions. When adjustment becomes necessary, all governmental and regulatory codes, industry standards and specifications, and WSDOT requirements shall be met. A new application is required for any change in the facility that was originally approved.

In general, utility installations and adjustments are to be made with due consideration to highway and utility costs and in a manner that will provide maximum safety to the highway users; will cause the least possible interference with the highway facility and its operation; and will not increase the difficulty or cost of maintenance of the highway.

Where highway construction or alterations are considered, utility companies should be involved early in the design process. This will permit joint and parallel activities to be coordinated throughout the life of the highway project. Where utilities exist within the right of way of a highway to be widened or improved and a utility relocation is likely, consideration should be given to again accommodate those existing utilities within the highway right of way.

[WAC 468-34-260](#)

See AASHTO's "A Policy on the Accommodation of Utilities Within Freeway Right-of-Way"

(5) Pipelines in Existence Prior to Highway Construction or Designation

Carrier pipelines in existence prior to highway construction or highway designation (such as an RJT), located within the operating right of way, may remain in place without protective measures provided the following requirements are met:

- Depth and existing location do not or will not conflict with highway improvements.
- The design and/or depth of the pipe are adequate to protect the pipe from loading as described in (7) below.
- Maintenance of the pipeline does not conflict with access limitations or the operational needs of the highway.
- The pipeline does not conflict with highway maintenance operations.
- The pipeline is installed to current industry and governmental standards, codes, and specifications.

Best Practice

(6) Pipeline Requirements: Location and Alignment

(a) **Crossings** – Generally, all highway utility crossings should meet the following conditions and requirements:

- Utilize subsurface construction techniques.
- Avoid impacting the roadway prism or highway drainage or other systems.
- Be located at a point that will, as much as practicable, avoid conflicts with planned highway improvements and ongoing operation and maintenance.
- Avoid installations within interchange areas. Freeway crossings should be made at locations where the chance of interference with future interchange access improvements will be minimized or avoided.
- Pipeline installation should be as normal to the centerline of the roadway as possible.
- Pipeline crossings should avoid deep cuts.
- Bridge footings, retaining walls, or other structures should be avoided whenever possible. (See [120.07](#), Bridges and Structures, for additional guidance.)

[WAC 468-34-190](#)

[WAC 468-34-190\(1\)](#)

[WAC 468-34-190\(2\)](#)

WAC 468-34-190(2)

Best Practice

- Perpetually wet areas, rocky terrain, or areas that may negatively affect highway drainage should be avoided and alternative locations considered. Alternative route analysis may be required from the utility to show that the proposed location is the only feasible location for installation.
- Wetlands or other environmentally sensitive areas should not be considered for utility installations and should be avoided whenever possible.

WAC 468-34-190(3)

- (b) **Longitudinal Installations** – When considering a proposed longitudinal utility installation, issues such as the general character of the surrounding area (rural or urbanized); the potential for local land development and subsequent increase in traffic volumes; the potential or planned highway improvements; and the right of way classification should be considered. The potential for utility relocation that may result from a highway improvement project should also be examined. When installation is necessary, all longitudinal utilities should be installed parallel to the highway centerline and as near the right of way line as possible.

WAC 468-34-190(3)

1. **Longitudinal Installations Within a Roadway or Median** – Longitudinal installations within any roadway prism or median area are a variance to WSDOT policy. Encasement requirements typically do not apply to all longitudinal installations within these areas, regardless of length of installation. (See 120.15, Casing, Conduit, Innerduct, and Encasement, for detailed guidance on encasement requirements, and 120.14, Variances: Types, Treatment, and Approval, for guidance on variance justification procedures.)

AASHTO

2. **Longitudinal Installations Within Limited Access Right of Way** – Longitudinal installations within limited access right of way are a variance to WSDOT policy. (See 120.14, Variances: Types, Treatment, and Approval, for guidance on variance justification procedures.)

(7) Pipeline Requirements: Materials and Construction

WAC 468-34-210(6)

WAC 468-34-230

WAC 468-34-250

- (a) **Pipe Material** – All pipes shall meet the following specific material and design requirements:
- Industry standards
 - Regulatory codes and specifications
 - End user product specifications

In general, WSDOT does not provide design oversight relating to utility adherence to regulatory codes. The focus of the department should be on the effects of construction, installation, and ongoing maintenance and operation of subsurface utilities upon the safety and long-term operation of the highway facility. However, this should not preclude WSDOT from identifying substandard designs or materials that may pose potentially negative or hazardous conditions upon the highway.

WAC 468-34-230

1. **Uncased Carrier Pipe** – Uncased carrier pipe shall be designed to support any highway construction or maintenance operation; the superimposed load of the highway structure itself; and any superimposed loads the roadway may be expected to withstand, including overweight loads. It is the responsibility of the utility to ensure pipe design takes into consideration how highway loading may affect the pipe under all operating ranges. Pressurized pipe must meet encasement requirements as defined in 120.15, Casing, Conduit, Innerduct, and Encasement.

(8) Trenched Construction

All trenched construction must meet the requirements of the current edition of WSDOT's *Standard Specifications for Road, Bridge, and Municipal Construction (Standard Specifications)*. When trenching and/or excavation impact the roadway prism, utility inspection oversight of the trenching work is required. The goal of trench restoration includes:

WAC 468-34-250

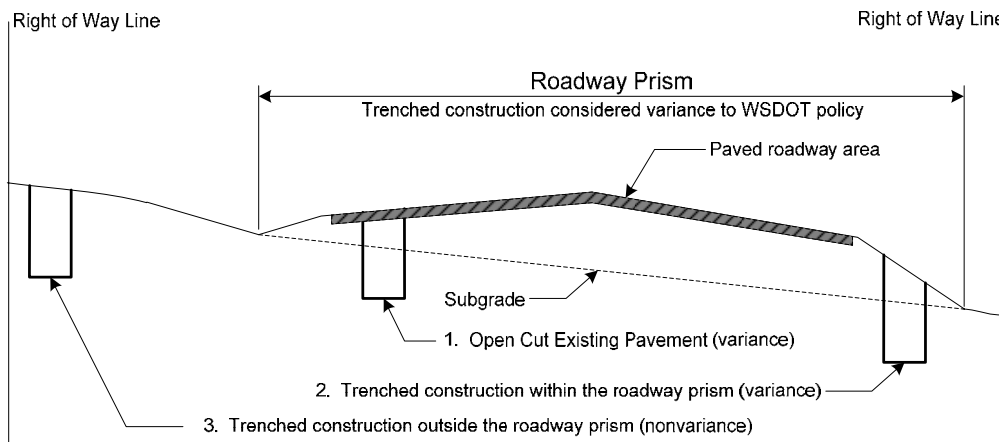
- Preserving the structural integrity of the roadway prism and other highway facilities.
- Securing piping material from deformation that may cause leakage.
- Avoiding the creation of drainage channels or blockage of existing subsurface drainage by placement of impervious backfill material such as may be encountered with the use of Controlled Density Fill (CDF) backfill in longitudinal trenches. The Region Materials Engineer and Maintenance Engineer, along with other region specialty groups, should review and approve longitudinal installations proposing CDF as a backfill material.

(9) Types of Trenched Construction

There are three basic types of trenches as they apply to utility accommodation. These are defined below and illustrated in [Figure 120-1](#), Types of Trenched Construction.

WAC 468-34-190

- Open cut construction: Requires cutting of existing paved roadways or shoulders, which includes both crossing and longitudinal installations as well as window cuts to accommodate bore pits or service connections.
- Trenched construction within the roadway prism: Includes longitudinal installations and window cuts to accommodate bore pits or service connections.
- Trenched construction outside the roadway prism.



Types of Trenched Construction

Figure 120-1

(10) **Excavation in Roadway Prism**

WAC 468-34-190(4)

Excavation such as bore pits, longitudinal trenched construction, and other types of excavation within the roadway prism that is adjacent to the edge of pavement requires shoring to avoid undermining the pavement. Shoring plans should be included as part of the approved Application for Utility Permit or Franchise.

WAC 468-34-190(4)

- (a) **Open Cuts** – Open cutting the existing paved roadway or shoulder to accommodate utility construction is a variance from WSDOT policy. Open cutting should only be considered as an installation method of last resort and only after a thorough review and justification process has been completed. Other route alternatives and subsurface utility construction methods must be justifiably eliminated as viable construction alternatives before an open cut proposal will be considered. (See [120.04\(14\)](#), Trenchless Construction, for additional guidance.)

Approval of utility installations proposing an open cut requires a significant effort by both the utility and WSDOT. As such, all costs associated with the review and approval of such a proposal shall be borne exclusively by the utility.

Supporting information for the variance approval should be maintained in the franchise/permit file documenting the review and approval process. (See [120.14](#), Variances: Types, Treatment, and Approval, for detailed guidance on justification procedures for open cut proposals.)

Best Practice

1. **Open Cuts on Private Road Approaches** – WSDOT does not consider open cuts on private road approaches a variance. However the needs and desires of the permitted road approach owner should be considered when a utility installation proposes an open cut of a private road approach. The utility must give prior reasonable notice to the approach user to ensure landowner access needs are met.

All open cuts of private road approaches shall be restored to WSDOT standards. Regions should use individual judgment when considering road approach open cut proposals. Nothing in these guidelines shall prevent the region from denying an open cut request of a private approach upon the operating highway right of way.

WAC 468-34-190(4)

2. **Open Cuts on Local Agency Roadways** – Generally, open cuts of public roads such as county road intersections are discouraged. Consideration should be given to traffic volumes and disruption to local traffic when an open cut is proposed on a local agency connecting roadway within the operating highway right of way.

(11) **Trenched Crossings in Advance of Highway Construction**

Best Practice

Open trench construction proposed in advance of highway improvement projects involving the placement of new Hot Mix Asphalt at the location of the open cut may be considered without variance approval. However, this should not be considered as blanket approval for all open cut proposals in advance of construction. Factors such as traffic disruption, construction schedule, and other factors should be considered before approval is granted.

Information describing the highway improvement project should be placed in the application file documenting the decision and approval process. Detailed inspection efforts should be undertaken while the utility is being installed to ensure pipe bedding and trench backfill material is placed in accordance with WSDOT standards.

(12) Pipe Bedding and Trench Backfill Considerations

When pipe trenching is proposed, the items that should be essential considerations include:

- Restoration of the structural integrity of the roadway prism.
- Security of the pipe during placement and backfill operations against deformation that might cause leakage.
- Assurance against the trench becoming a drainage channel.
- Assurance against blocking historic or intended subsurface drainage through porous materials by placement of impervious fill materials such as CDF within longitudinal trenches.

WAC 468-34-250(1)

WAC 468-34-250(1)(a)
WAC 468-34-250(1)(b)
WAC 468-34-250(1)(c)

(a) **Pipe Bedding and Trench Backfill Requirements** – The following items are required for all trenched construction or as directed by WSDOT:

- All trenches shall be cut with vertical faces as much as may be permitted by soil and depth conditions.
- Maximum trench width shall be no more than the outside diameter of the pipe plus 2 feet.
- Shoring must meet the current Department of Labor and Industries minimum standards and as directed by WSDOT if increased shoring is needed to protect the paved roadway and/or the roadway prism.
- Unstable native materials shall be subexcavated from the trench and replaced with suitable material.
- Trench bottoms shall provide a uniform grade throughout the length of the installation.
- Pipe bedding shall be 6 inches deep or half the diameter of the pipe, whichever is less.
- Pipe bedding and backfill material and construction shall meet the requirements of the current edition of the *Standard Specifications*.
- Backfill methods shall be done to achieve prompt restoration of traffic.
- Roadway base and surfacing materials shall be cut back from the trench in a manner that eliminates roadway undermining. Base and surfacing material shall be replaced with like material as directed or defined by WSDOT.

WAC 468-34-250(2)

WAC 468-34-250(2)(a)
WAC 468-34-250(2)(b)
WAC 468-34-250(2)(c)

(13) Pipe Cover

Pipeline cover, which is defined as the distance from the finish grade of the roadway or the existing grade line to the top of carrier pipe or top of casing, if used, shall be installed at the minimum depths shown in [Figure 120-2](#), Construction Zone Cover Description, and [Figure 120-3](#), Minimum Cover Detail. Utility accommodation applications proposing to install utilities at depths less than those listed below are a variance to WSDOT policy. (See [120.14](#), Variances: Types, Treatment, and Approval, for guidance on justification requirements for shallow depth proposals.)

WAC 468-34-200

Zone Description	Min. Depth
Zone A – The roadway structure, consisting of the area from top of shoulder to top of shoulder. Includes medians of less than 16 feet in width.	60 inches
Zone B – The area 10 feet beyond the bottom of ditch, toe of slope, or back of curb, or 15 feet beyond the top of shoulder, whichever is farther.	42 inches
Zone C – The area beyond Zone B to operating highway right of way line.	36 inches

Construction Zone Cover Description
Figure 120-2

If rerouting is not possible, the pipe should be protected appropriately. (See [120.04\(13\)](#) (a), Shallow Pipe Installation, for additional guidance.) Utility depths should also consider variations in topography for longitudinal installations. Likewise, the minimum depth when crossing should be measured from the lowest point of the entire roadway prism.

WAC 468-34-200(1)
WAC 468-34-200(2)
WAC 468-34-200(3)

(a) **Shallow Pipe Installation** – Utility accommodation applications proposing to install utilities at depths less than those in [Figure 120-3](#), Minimum Cover for Pipe Installation, are a variance to WSDOT policy. Where unavoidable obstacles do not allow minimum cover to be attained, a new route must first be considered for placement of the pipe. In the event shallow pipe installation cannot be avoided, bridging, reinforced concrete slabs, or other suitable means approved by the department should be used to protect the pipe from operational loading, construction, or maintenance operations. (See [120.14](#), Variances: Types, Treatment, and Approval, for guidance on justification requirements for shallow depth proposals.)

WAC 468-34-200(3)

(b) **Pipe Cover for Combustible or Unstable Transmittants** – Pipelines carrying material that is flammable, corrosive, expansive, energized, or unstable shall not be considered for reduced cover variance approval. In all cases, such pipelines must meet applicable industry and government codes, standards, and specifications.

(14) **Trenchless Construction**

WAC 468-34-250(3)

Trenchless construction should be encouraged whenever possible. The benefits include:

- Lower construction costs versus trenched construction.
- Shorter construction duration.
- Improves highway safety when compared to open cutting and trenching.
- Minimizes or eliminates traffic control costs, detours, and road closures.
- Avoids costly trench backfill and pavement repairs and associated long-term highway maintenance issues.

The requirements for trenchless construction are as follows:

Best Practice

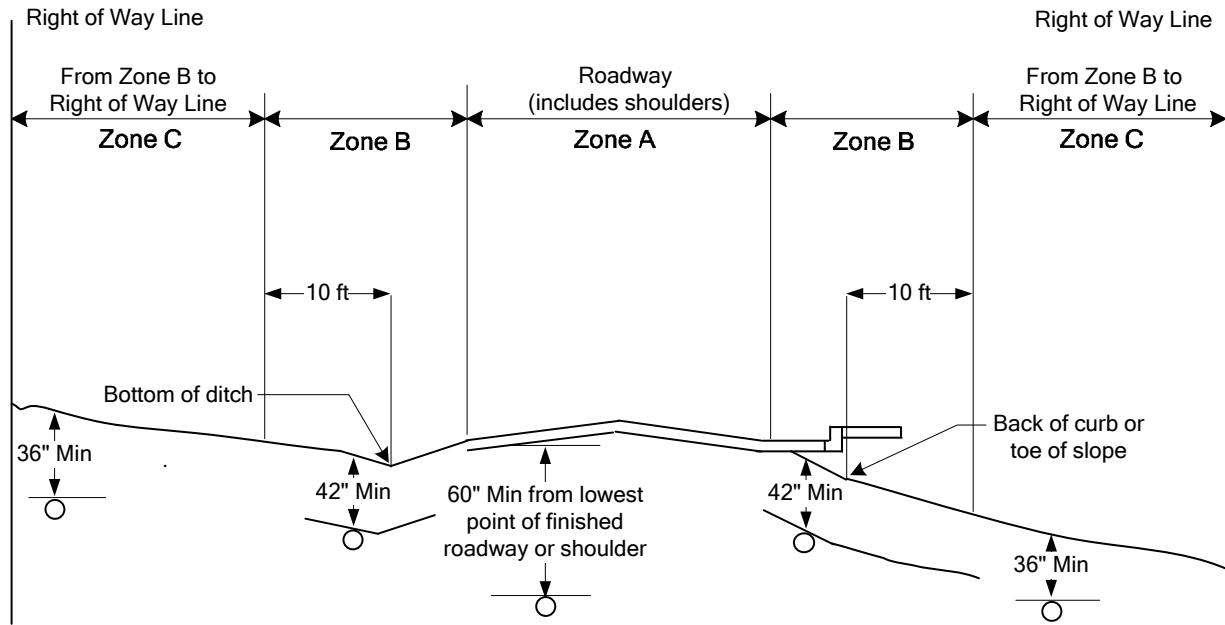
(a) **Trenchless Construction: Full Control Limited Access Right of Way** – Jack or bore pits necessary for trenchless construction within fully controlled limited access right of way must be placed outside the access control limits of the highway. Bore pits located within full control limited access are a variance and require appropriate justification explaining why work operations cannot be conducted from outside the limited access right of way. (See [120.14](#), Variances: Types, Treatment, and Approval, for detailed guidance on justification procedures.)

Casing is required the full width of the full control limited access right of way where required in [120.15](#), Casing, Conduit, Innerduct, and Encasement. Installations proposing other than full width casing when required are a variance from WSDOT policy. (See [120.14](#), Variances: Types, Treatment, and Approval, for detailed guidance on justification procedures.)

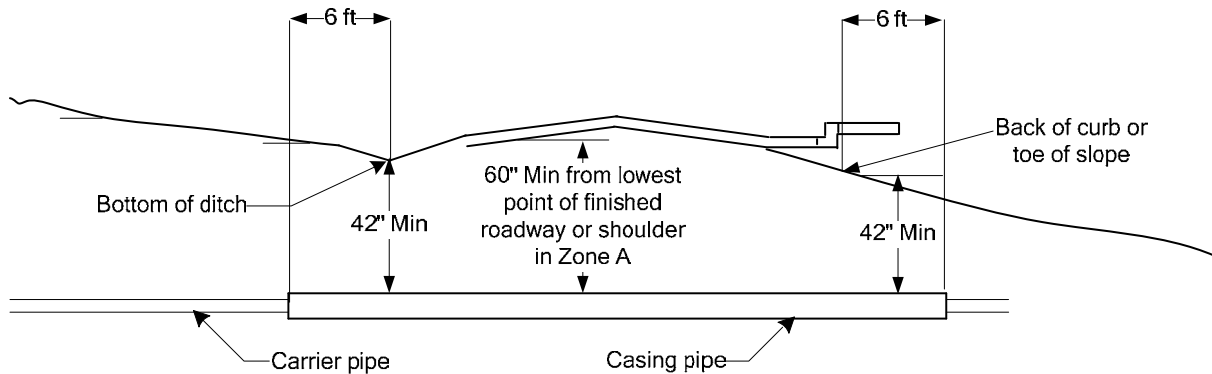
Best Practice

(b) **Trenchless Construction: Partial and Modified Limited Access Right of Way** – Jack or bore pits or other construction methods necessary for trenchless construction within partial or modified limited access right of way may be allowed without a variance.

Casing is required the full width of the partial or modified control limited access right of way where required in [120.15](#), Casing, Conduit, Innerduct, and Encasement. Installations proposing other than full width casing, when required, are a variance from WSDOT policy. (See [120.14](#), Variances: Types, Treatment, and Approval, for detailed guidance on justification procedures.)



Longitudinal Coverage Detail



Note:
Casing pipes shall extend a minimum of 6 feet beyond the toe of fill slopes, or bottom of ditch line, or outside curb.

Crossing Coverage Detail

Minimum Cover for Pipe Installation

Figure 120-3

 Best Practice

(c) **Trenchless Construction: Non-Limited Access Right of Way** – Jack or bore pits or other construction methods necessary for trenchless construction within non-limited access right of way may be allowed without a variance.

 WAC 468-34-250(3)

(d) **General Trenchless Construction Requirements** – When trenchless installation techniques are used, the following requirements must be met:

 WAC 468-34-250(3)(a)

 Best Practice

- Trenchless construction method shall be reviewed and approved by WSDOT before work begins.
- Trenchless pipe installation where the casing or carrier pipe diameter is 36 inches or greater shall require a review by the State Geotechnical Engineer.
- Casing shall extend 6 feet beyond the edge of the roadway prism or back of curb. (See 120.15, Casing, Conduit, Innerduct, and Encasement, and Figure 120-3, Minimum Cover Detail, for additional guidance.)
- Limits of bore pit excavation should not extend into any portion of the roadway prism. Pit excavation work encroaching within highway drainage systems should have preapproved protective measures in place at all times during construction. Bore pits that encroach within the roadway prism shall be preapproved by WSDOT. Shoring plans for approval shall adequately present the method of shoring. Utility work that fails to follow the shoring plan should be stopped until the shoring plan is adhered to.
- The size of the bore opening shall not exceed 5% oversize in diameter. Backfill of voids in a manner approved by WSDOT, such as pressure grouting, is required for all pipes 12 inches in diameter or greater.
- Unused or abandoned holes or casings shall be backfilled as directed by WSDOT using standard methods. (See 130.06, Abandoned, Deactivated, or Disconnected Utilities, for detailed guidance.)

 WAC 468-34-250(3)(c)

 WAC 468-34-250(3)(d)

(15) Pipeline Appurtenances

Pipeline appurtenances shall meet the requirements outlined below.

 WAC 468-34-220

 WAC 468-34-220(4)

(a) **Manholes** – Whenever possible, manholes should be located outside the roadway prism and as close to the edge of right of way as possible. Placement of manholes should be at locations that minimize interruptions to highway operation and maintenance efforts during utility maintenance work. Manholes shall not be located within any limited access highway pavement or shoulder.

 WAC 468-34-220(5)

(b) **Automatic and Emergency Shut-Off Valves** – Automatic and emergency shut-off valves shall be located near the structure ends if attached to a structure and as may be required by WSDOT, industry standards, or governmental codes and regulations. Valves should be located in such a manner as to allow isolation of pipeline segments in the event of a hazardous condition. Shut-off valves shall not be located within any limited access highway pavement or shoulder.

(16) Pipeline Identification and Detection

 WAC 468-34-220(3)

(a) **Markers** – Post-type markers are required for all subsurface utility installations. Markers should be installed using conspicuous colors and contain the following relevant information:

- Pipeline identification and utility station location.
- Owner of the pipeline.
- Contact phone number and other contact information with a local utility office.

- Utility size and/or capacity.
- Pipe contents.
- Warnings that may be necessary for individual utilities.
- Double markers at subsurface vaults.

1. **Marker Locations** – Markers shall be located:

- At both ends of a roadway crossing.
- At 500-foot intervals on longitudinal installations, or greater if sight distance allows.
- At all angle points.

WAC 468-34-220(3)

(b) **Locate Wire** – All subsurface installations shall be detectable by a Locate Service by way of a locate wire or other means approved by WSDOT, to be installed at the time of installation or by wire integrated into the pipe itself during manufacture.

Best Practice

(c) **Detection Tape** – Detection tape should be used for all open trench pipeline installations. The detection tape should be placed in the pipe trench 12 to 18 inches above the pipe to avoid unintentional excavation of the pipe during highway maintenance or construction operations.

Best Practice

120.05 Storm Drainage and Hydraulics

A utility permit for stormwater discharge (DOT Form 224-693) is utilized to regulate constructed facilities that discharge stormwater onto state right of way and into a highway drainage system. WSDOT will consider issuing permits for constructed facilities such as pipes, ditches, storm sewers, or other drainage facilities intended to discharge stormwater into the highway drainage system, provided that the surface runoff naturally flowed toward and onto state right of way before any alteration of the terrain caused by development. For the purpose of this section, “utility” refers to any party seeking to discharge stormwater onto or through WSDOT right of way by means of a constructed facility, as described above. Further guidelines governing the acceptance of surface runoff exist in WSDOT’s *Development Services Manual* and *Highway Runoff Manual*. Acceptance of surface runoff is subject to the following conditions:

(1) Runoff Characteristics

(a) **Rate of Flow** – Development of property tends to increase the rate of surface runoff. WSDOT will require the rate of flow entering the highway drainage system from the utility (applicant for the permit) to meet the flow control standards required in the *Highway Runoff Manual* (HRM):

- If the flow control standards required by the local government are more restrictive than the standards contained in the HRM, the local government’s standards must be used.

In some instances, WSDOT may agree to accept unrestricted runoff from a utility. However, in those instances, the utility will remain liable for damages that occur as a result of any increased runoff. The increased runoff is that portion of the total rate of flow entering the highway drainage system that is in excess of the natural rate of surface runoff that flowed toward and onto the state right of way prior to development of the property.

- (b) **Quality of Runoff** – The utility discharging runoff into a highway drainage system shall assume all responsibility and liability for the water quality of this runoff. This includes water quality both during and after development of the property in question. The water quality treatment requirements and guidelines in the [Highway Runoff Manual](#) must be followed when the local government practices stormwater management.

(2) **Runoff Management**

- (a) **Compliance** – The utility shall abide by Department of Ecology requirements and issued NPDES permits, local rules, regulations, ordinances, and resolutions. The utility discharging collected surface runoff into a highway drainage system shall be responsible for compliance with all existing and future rules, regulations, ordinances, and issued NPDES permits, and resolutions of the applicable local agency and the Department of Ecology with regard to drainage, land use associated with drainage, and water quality and quantity. All local agency permits associated with drainage in any manner shall be made part of the permit application, unless local agency approval is contingent upon a WSDOT-issued permit.
- (b) **Costs** – All costs and liabilities associated with the design, construction, maintenance, and operation of stormwater management facilities to restrict the rate of flow entering the highway drainage system or to maintain water quality shall be the responsibility of the utility.
- (c) **Connection to Highway Drainage System** – The choice of materials and the nature and details of the connection from the highway right of way line to the highway drainage system shall comply with the [Standard Specifications](#) unless otherwise approved by WSDOT. All costs associated with this connection shall be the responsibility of the utility.
- (d) **Surface and Subsurface Systems** – WSDOT will not consider appropriate the use of public land for the construction of subsurface disposal systems that would accommodate only surface runoff originating off the highway right of way. Drywells, perforated drains, and other subsurface disposal systems from a development should not be permitted on the highway right of way, regardless of the natural direction of surface flow from the property in question in the undeveloped state.

(3) **Documentation**

- (a) **Data Requirements** – The application to the region for a permit to discharge stormwater runoff into a highway drainage system shall be accompanied with the following information:
1. A statement of the design criteria used in the drainage design for the property in question. If stormwater management principles are used in the drainage design, include a description of the stormwater management design criteria used for the hydraulic analysis.
 2. A contour map of the property being drained. All contributing drainage areas identifying associated land use should be outlined on the map.
 3. A plan and profile of the proposed drainage system showing:
 - All inlets: size, type, and location.
 - All pipe sizes.
 - Location and type of manholes.

- Location and details of connection to highway drainage system and any stormwater management facilities (such as runoff treatment and flow control) and conveyance systems (such as pipes, culverts, channels, or ditches) that are part of the drainage system for the property in question.
4. Complete hydrological and hydraulic calculations for the drainage system under consideration.
 5. Details of temporary erosion control measures to prevent silts and other contaminants from entering the highway drainage system.
- (b) **WSDOT Review and Approval** – Region Hydraulics Office staff shall review all applications that propose discharge of collected stormwater into the highway drainage system. Such review shall consider:
- Whether or not the property in question drained onto the highway right of way in the undeveloped state of the property.
 - The rate of flow that flowed onto the highway right of way from the property in question in the undeveloped state of the property.
 - The rate of flow from the property in question that is proposed to enter the highway drainage system and its effect on WSDOT’s system.
 - The effectiveness and adequacy of stormwater management facilities used in the system in question.
 - The future maintenance and operation of the facility that routes water to WSDOT’s system.
 - The adequacy of the connection to the highway drainage system.
 - The addition of appropriate site-specific Special Provisions to the permit as noted in Special Provisions below.
- (c) **Special Provisions** – Any site-specific special provisions to the individual Permit should be added (as necessary) to DOT Form 224-157, Stormwater Permit Special Provisions, Exhibit A (see [Appendix B](#)), to clarify the utility’s liabilities and responsibilities.

120.06 Open Cuts and Trenching

The purpose of this section is to explain the necessary steps involved in permitting open cuts and trenching. This includes the open cutting of a paved roadway or the open trenching outside the paved roadway.

(1) Open Cutting

Open cutting is the cutting of the existing paved roadways or shoulders.

- Open cutting the traveled lanes and shoulders of the through traffic roadways, ramps, and frontage roads on state highways is a variance from WSDOT policy. Variances must be justified as required by [120.14](#), Variances: Types, Treatment, and Approval.
- Open cutting public and private approach roads within the state’s right of way is allowable under WSDOT policy.

In the decision to allow open cutting, the region should consider traffic volumes and disruption to traffic.

The policy on open cutting does not apply within the corporate limits of a city or town on non-limited access controlled highways. Utility permits and franchises in this situation are issued and maintained by the local jurisdiction. Local jurisdictions should request WSDOT review, approval, and/or recommendation prior to granting such documents.

Std. Spec. 7-08.3(3)

RCW 47.24.020(4)

The city or town shall, at its own expense, maintain all underground facilities in streets within the corporate limits, and has the right to construct additional underground facilities as may be necessary in those streets. However, pavement trenching and restoration performed as part of installation of those facilities must meet or exceed requirements established by WSDOT.

RCW 47.24.020(5)

The city or town has the right to grant the privilege to open the surface of any street within the corporate limits, but all damage occasioned thereby shall promptly be repaired by either the city or town itself or at its direction. Pavement trenching and restoration performed under a privilege granted by the city under this subsection must meet or exceed requirements established by WSDOT.

Excavations shall be performed in a manner that causes the least possible damage to highways, streets, roads, and other improvements. The trenches shall not be excavated wider than necessary for the proper installation of the utility facility. Excavation shall not be performed until immediately before the installation of conduit, cable, or other appurtenances. Excavated material shall be stored where interference to vehicular and pedestrian traffic and to surface drainage is minimized.

The following items will be addressed for each permit or franchise issued that allows open cutting:

- (a) **Inspection** – WSDOT may have an inspector on site to ensure proper backfill and surfacing material are used and required compaction is attained. (See [Chapter 7](#), Inspection, for further guidance.)

The region may impose additional charges to cover actual inspection costs. These costs are above the administration fee charged for a utility permit or franchise. For further guidance, refer to [Chapter 8](#), Reimbursement.

- (b) **Construction Requirements** – A typical open cut crossing detail, as shown in [Figure 120-4a](#), will be an exhibit of the permit or franchise issued. Any modification of the details with respect to restoration methods should be reviewed and approved by the region Utilities Office and the region Materials Laboratory.

- (c) **Maintenance Responsibility** – Add a Special Provision that makes the utility responsible for any construction deficiencies as a result of the roadway installation.

- (d) **Controlled Density Fill (CDF)** – CDF shall be used as a backfill material when directed by WSDOT. Additional requirements may include:

- CDF mix design(s) must be submitted in writing to WSDOT for approval.
- No CDF shall be placed until WSDOT has approved the mix design.
- CDF placement within the trench shall be designated by WSDOT (determined by the type of soil in the area).
- The utility shall maintain one lane of traffic open at all times during construction.
- The utility shall submit Traffic Control Plans for approval.

Std. Spec. 2-09.3(1)E

(2) Trenching for Utility Installation

Trenching takes place outside paved roadway sections. A typical open trench detail is shown in [Figure 120-4b](#). Trenching shall be constructed in accordance with the following requirements:

Std. Spec. 7-08.3(3)

- Trenching within the roadway prism is a variance from WSDOT policy. Variances must be justified as required by [120.14](#), Variances: Types, Treatment, and Approval.
- Trenching unpaved approach roads, both public and private, within the state's right of way is allowable under WSDOT's policy.
- Excavations shall be performed in a manner that causes the least possible damage to the roadway prism and other improvements.
- Trenches shall not be excavated wider than necessary for the proper installation of the utility facility.
- Excavations shall not be performed until immediately before installation of conduit, cable, or other appurtenances.
- Excavated material shall be stored where interference to vehicular/pedestrian traffic and surface drainage is minimized.
- Excavated material will be protected by BMP to prevent any environmental compliance violation.

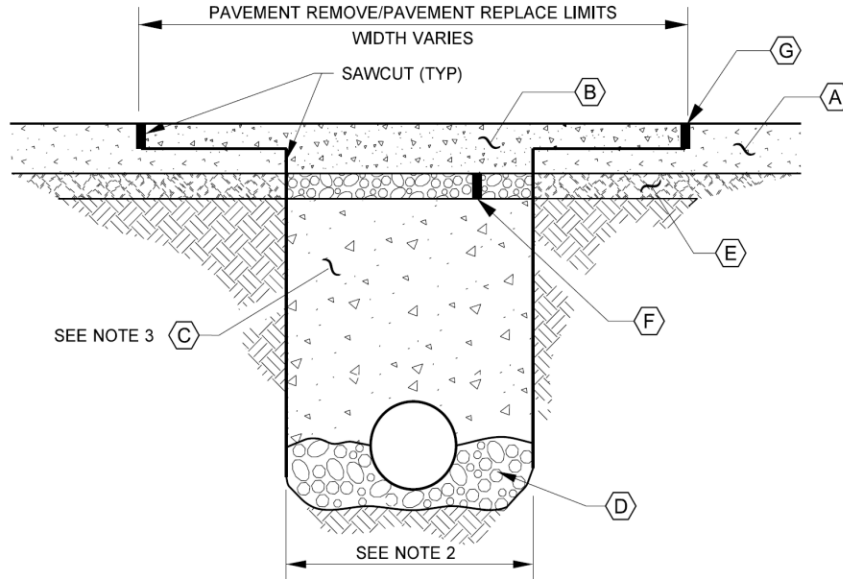
The following items will be addressed for each permit or franchise issued that allows trenching:

- (a) **Inspection** – WSDOT may have an inspector on-site to ensure proper backfill material is used and required compaction is attained. (See [Chapter 7](#), Inspection, for further guidance.)

The region may impose additional charges to cover actual inspection costs. These costs are above the administration fee charged for a utility permit or franchise. (See [Chapter 8](#), Reimbursement, for further guidance.)

- (b) **Construction Requirements** – Construction shall be in accordance with Standard Specification 7-08.3, Construction Requirements.
- (c) **Maintenance Responsibility** – Add a Special Provision that makes the utility responsible for any construction deficiencies as a result of the installation.

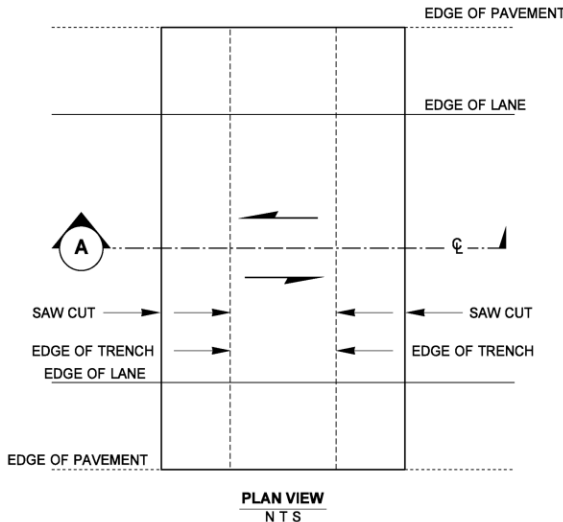
Trenching through a creek, stream, wetland, or canal requires approval of the regulatory agencies of these construction activities (such as Army Corps of Engineers, city/county ordinances, DOE, DNR, tribal councils, and so on).



OPEN CUT CROSS SECTION
NTS

LEGEND

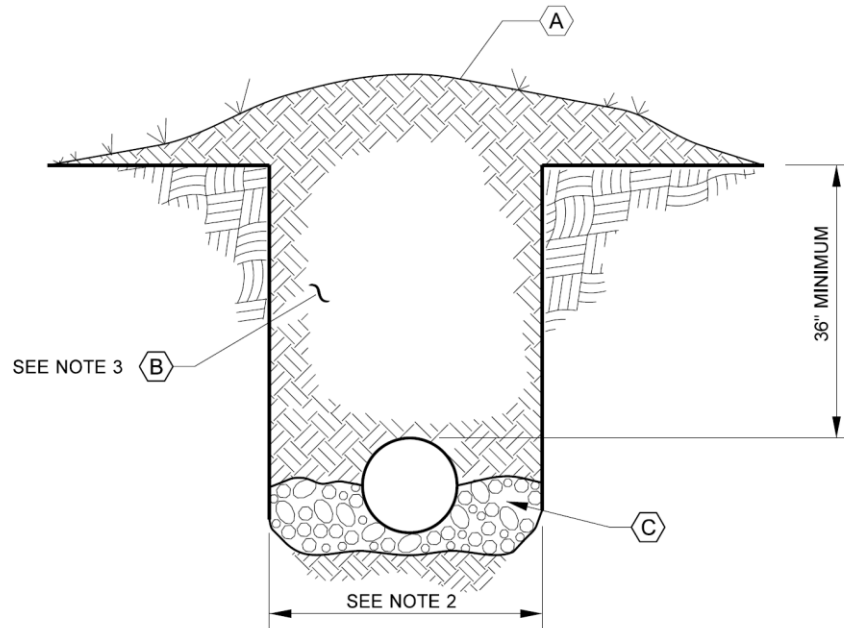
- (A) Existing HMA (Hot Mix Asphalt) or PCCP (Portland Cement Concrete Pavement).
- (B) HMA class 1/2 inch or PCCP: Depth and material shall match existing pavement. Removal and replacement limits of pavement to be determined at the time of utility permit/franchise review.
- (C) Approved backfill material or CDF (Control Density Backfill) or as specified by WSDOT.
- (D) Bedding material depth beneath the pipe/casing shall be six (6) inches. Additional pipe bedding shall be placed equal to half the diameter of the pipe/casing or six (6) inches, whichever is less.
- (E) Existing crushed surfacing base course.
- (F) Crushed surfacing base course depth shall match depth of existing crushed surfacing base course.
- (G) HMA butt joint requires tack, seal, and sand. For PCCP, refer to General Note 5.



GENERAL NOTES

1. Trenching and pipe installation shall meet the requirements of WSDOT Standard Specification 7-08.
2. Maximum trench width shall not exceed casing/pipe diameter plus an additional one (1) foot on either side.
3. Compaction shall be method "C" per Standard Specification Section 2-03.3(14)C.
4. Minimum depth shall be sixty (60) inches from the finished surface to top of casing.
5. PCCP shall be replaced to the next panel joint in each direction as approved by WSDOT. All work shall be as specified in WSDOT Standard Specification Section 5-01.3(4).
6. When connecting to an existing facility under the pavement, pavement restoration may, at the department's discretion, include the full lane width and encroached shoulder.
7. Casing pipes shall extend a minimum of six (6) feet beyond the toe of fill slopes, bottom of ditchline, or outside of curb.
8. Tack asphalt per WSDOT Standard Specification 5-4.3(5)A.

Open Cut Crossing Detail
Figure 120-4a



TRENCH CROSS SECTION

NTS

LEGEND

- (A) Surface restoration will match existing adjacent treatment (seeding, bark, etc.).
- (B) Native material or as directed by WSDOT.
- (C) Bedding material beneath pipe/casing shall be six (6) inches. Additional pipe bedding shall be placed equal to half the diameter of the pipe/casing or six (6) inches, whichever is less.

GENERAL NOTES

1. Trenching and pipe installation shall meet the requirements of WSDOT Standard Specification 7-08.
2. Maximum trench width shall not exceed casing/pipe diameter plus an additional one (1) foot on either side.
3. Compaction shall be Method C per Standard Specification Section 2-03.3(14)C.
4. Casing pipes shall extend a minimum of six (6) feet beyond the toe of fill slopes, bottom of ditchline, or outside of curb.

Open Trench Detail

Figure 120-4b

120.07 Bridges and Structures

Utility installations on or near any highway structure listed below require review and written approval by the HQ Bridge and Structures Office prior to application approval.

- Bridges
- Approach slabs
- Retaining walls
- Noise walls
- Tunnels
- Pipe arches
- Box culverts
- Other structures

All installations shall comply with the *Bridge Design Manual* and the *Standard Specifications*.

(1) Approval and Jurisdiction

RCW 47.44.040

Prior review and approval by the HQ Bridge and Structures Office is required for utility attachments on all bridges located within the state highway system, regardless of type of right of way or jurisdiction. Attachments to bridges located on a state highway but within the corporate limits of a city or town also require prior approval by the HQ Bridge and Structures Office. The review process should verify that the bridge or structure is under state jurisdiction.

Best Practice

- (a) **State and Federal Agency Approval** – WSDOT may need to coordinate with other state or federal jurisdictional agencies when authorizing utilities to be attached to highway structures. Refer to [Chapter 5](#), Government Agencies: State, Federal, Tribal, and Other Entities, for additional guidance on coordination requirements.

(2) Bridge Structures

Bridges consist of two basic elements: substructure and superstructure. Utilities proposing to attach to, or be installed near, any portion of the substructure or superstructure require written approval of the HQ Bridge and Structures Office and, in some regions, review and/or concurrence by the region Bridge Maintenance Office prior to approval of application to do so.

Standard Specifications

- (a) **Substructure** – The substructure is that portion of a bridge that supports the elements of the superstructure or that part of the structure as follows:
- Everything below the bottoms of the grout pads for simple and continuous span bridges.
 - Everything below the bottom of the girders or bottom slab soffits.
 - Arch skewbacks and construction joints at the top of vertical abutment members or rigid frame piers.

Substructure elements include the following:

- Piles
- Footings
- Seals
- Abutment walls, retaining walls, and endwalls
- Piers
- Wingwalls
- Barrier and railing attached to wingwalls and cantilever barriers and railings

Subsurface utilities installed near the substructure must take into account that the geophysical properties of the material surrounding the substructure and other factors eliminate negative impacts to the stability of the structure as a whole.

- (b) **Superstructure** – The superstructure is that portion of a bridge supported by the substructure, that is above the substructure, and that extends:
- From the back of pavement seat to the back of pavement seat when the endwalls are attached to the superstructure.
 - From the expansion joint at the end pier to the expansion joint at the other end pier when the endwalls are not attached to the superstructure.

Superstructure elements include, but are not limited to, the following:

- Girders
- Slabs
- Barrier
- Railing elements attached to superstructure elements

Utility conduits are often preinstalled within the superstructure to accommodate existing or proposed utilities.

- (c) **Other Structures** – Utility installation on or near other structures such as retaining walls, noise walls, sign bridges, or bases for light and signal poles may require approval by one or more Headquarters offices, including Bridge and Structures, Bridge Preservation, and Geotechnical, as well as region Bridge Maintenance.

(3) Bridge Installation Proposals

- (a) **Submittal for Review and Approval** – Early and frequent communication with the HQ Bridge Preservation Office is necessary when a utility installation is proposed on or near a structure. This is especially true for structures located within local agency jurisdictions where utility permitting authority rests with the local agency. Contact the HQ Bridge Preservation Office to determine what information may be necessary for approval of a particular bridge attachment, including planned bridge rehabilitation or replacement.

1. **General Submittal Information** – Submittals to the HQ Bridge and Structures Office for the review and approval of bridge attachments, subsurface installations, or aerial installations near a structure must include enough information to clearly illustrate how the utility is to be installed. Generalized, vague, or incomplete information may delay the approval. An application should be considered incomplete until enough information is received to allow a meaningful review.

All review transmittal packages sent to the HQ Bridge and Structures Office for review should include the following:

- Franchise or permit number
 - State route number and milepost
 - Bridge number
 - As-built bridge details
 - Cross sections
 - Reimbursable account number
 - Other pertinent information
2. **Local Agency Jurisdiction Submittals** – Bridge attachment submittals for installations within local agency jurisdictions that are not within limited access right of way should also include the name and contact information for the local agency.

3. **Bridge Attachment Submittals** – In addition to general submittal information, utilities proposed to be attached directly to a structure should include the following documents with the review transmittal:
 - Bridge attachment details. (See [Figure 120-5](#), Utility Installation Guideline Details for Existing Bridges: Utility Hanger Details, for additional information.)
 - Engineering calculations for attachments involving pressurized pipe systems, heavily loaded utilities, or as requested by the HQ Bridge and Structures Office.
 - A plan and elevation view showing the proposed utility location on the structure.
 - Horizontal dimensions from all bridge primary members (girder, stringer, beam, edge of slab, and so on).
 - Anchor details or catalogue cuts with material specifications and proposed spacing, embedment depth, method of installation, and loading calculations.
 - Utility line expansion joint details and proposed locations.
 - Detail of bridge abutment showing the method of transitioning the utility off the bridge. Any excavations or borings at these locations should include a cross section with horizontal and vertical offsets.

(4) Subsurface Installations Near Structures

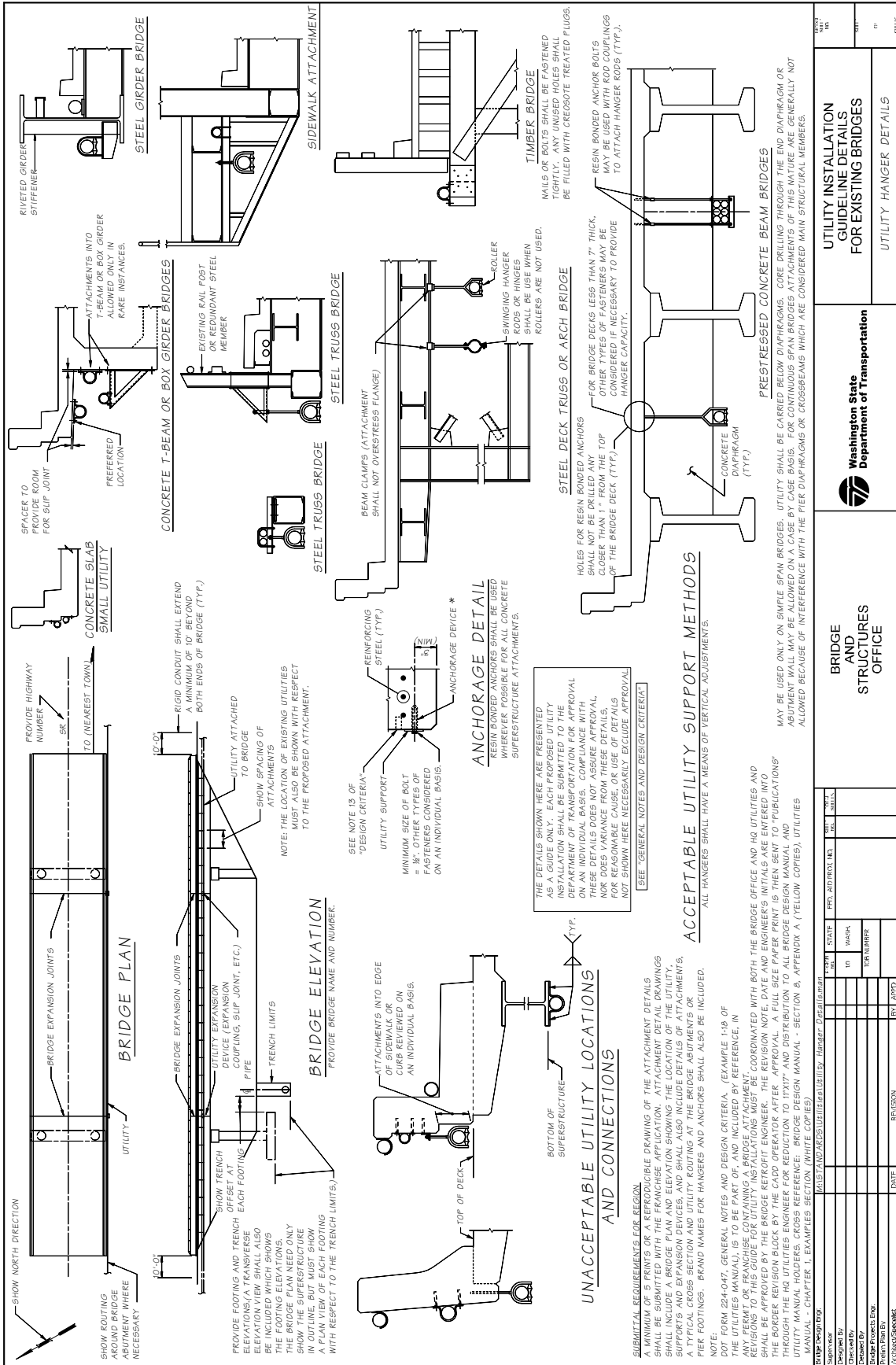
The HQ Bridge and Structures Office must preapprove all excavations and borings that meet the following:

- Below a footing, seal, or pile group.
- Within a horizontal distance equal to twice the footing width from any edge of a footing.
- Below a 45 degree envelope from the bottom of any edge of a footing. [Figure 120-6](#), Zone of Influence, illustrates these limits. (See also [Figure 120-7](#), Subsurface Bridge Submittal Example.)
- A plan and elevation profile of the proposed utility location with references identifying adjacent bridge piers or retaining walls by WSDOT bridge name, and bridge, pier, or wall number.
- Information regarding the proposed method of installation.
- A location cross section showing the horizontal and vertical relationship between the proposed installation and any adjacent bridge pier footings, wall footings, or existing utilities.
- Any datum equations used to compare utility elevations to bridge as-built elevations.

Pressurized utilities installed within the Zone of Influence must be encased to minimize undermining of the substructure in the event of damage or rupture to the carrier pipe. (See [120.15](#), Casing, Conduit, Innerduct, and Encasement, for additional guidance.)

(5) Aerial Installations Near Structures

For bridge maintenance and inspection purposes, aerial utility installations shall not be installed within 30 feet of any structural element. Aerial utilities proposing to be installed within 30 feet of any structure should be submitted for review and approval by both the HQ Bridge Preservation Office and the region Bridge Maintenance Office.



Utility Installation Guideline Details for Existing Bridges: Utility Hanger Details
Figure 120-5

(6) Bridge Attachment Requirements

Proposed utility installations must be submitted to the HQ Bridge and Structures Office for preapproval on an individual basis.

Compliance with standard attachment details does not constitute automatic approval. Installations that deviate from standardized attachment details or preapproved attachment requirements without prior approval from the HQ Bridge and Structures Office will be subject to removal.

WAC 468-34-270

(a) **Design Considerations and Criteria** – At a minimum, all utilities attached to or installed near a bridge or other structure shall meet the design requirements set forth below. These criteria should be used in conjunction with the *Bridge Design Manual*.

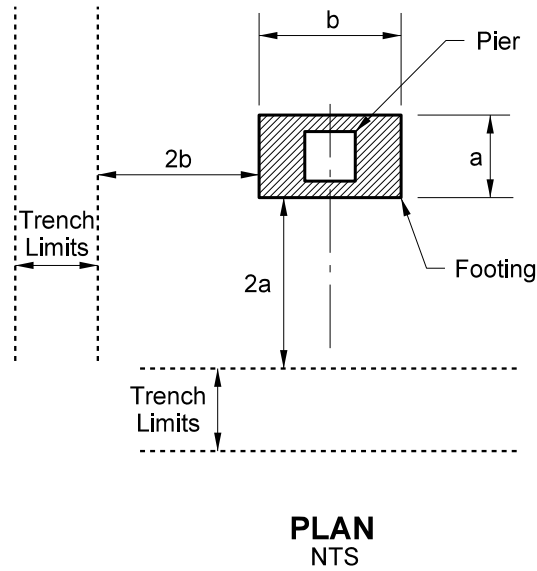
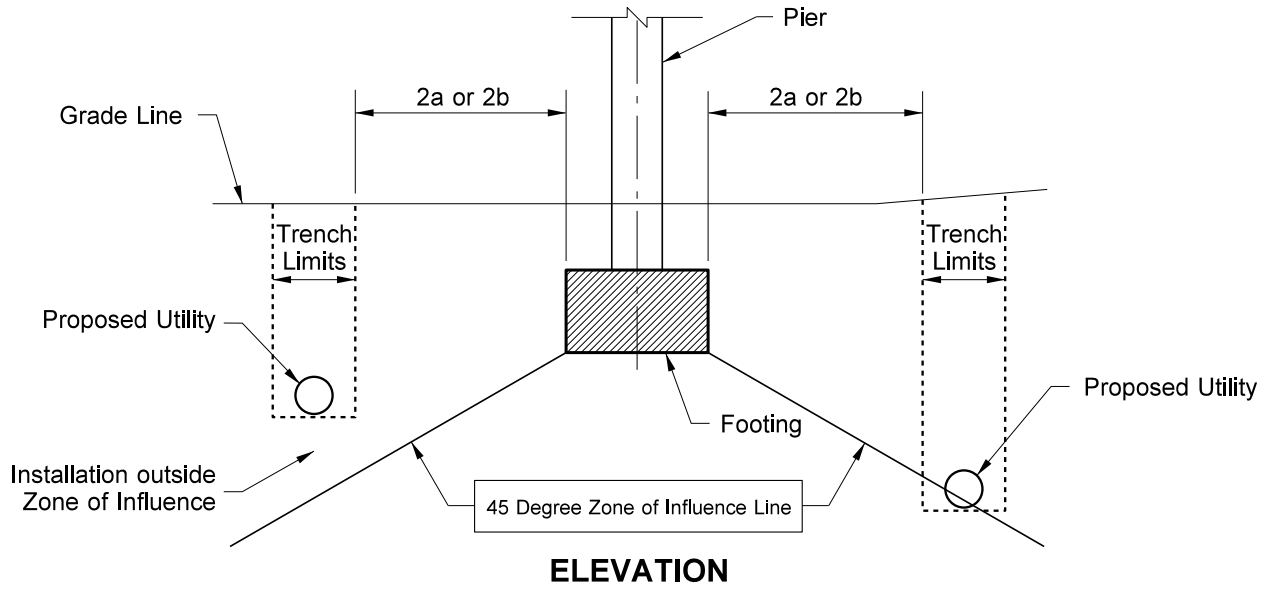
WAC 468-34-270

1. **General** – All installations shall meet the requirements of WSDOT’s most recent edition of the *Standard Specifications*.
 - Each proposed bridge attachment should be considered on its individual merits and separately designed to be compatible with the appearance of the structure.
 - Existing structure must be able to support the additional load of the proposed utility.
 - Installation shall not impede in any manner the painting, maintenance, or inspection of the structure.
 - Manholes, hand holes, or similar utility elements shall not be installed in the bridge deck on overcrossings.
 - Attachments on a structure of a pipeline carrying a hazardous material shall be avoided where feasible and where other installation alternatives exist, such as jacking or boring at or near the structure location.

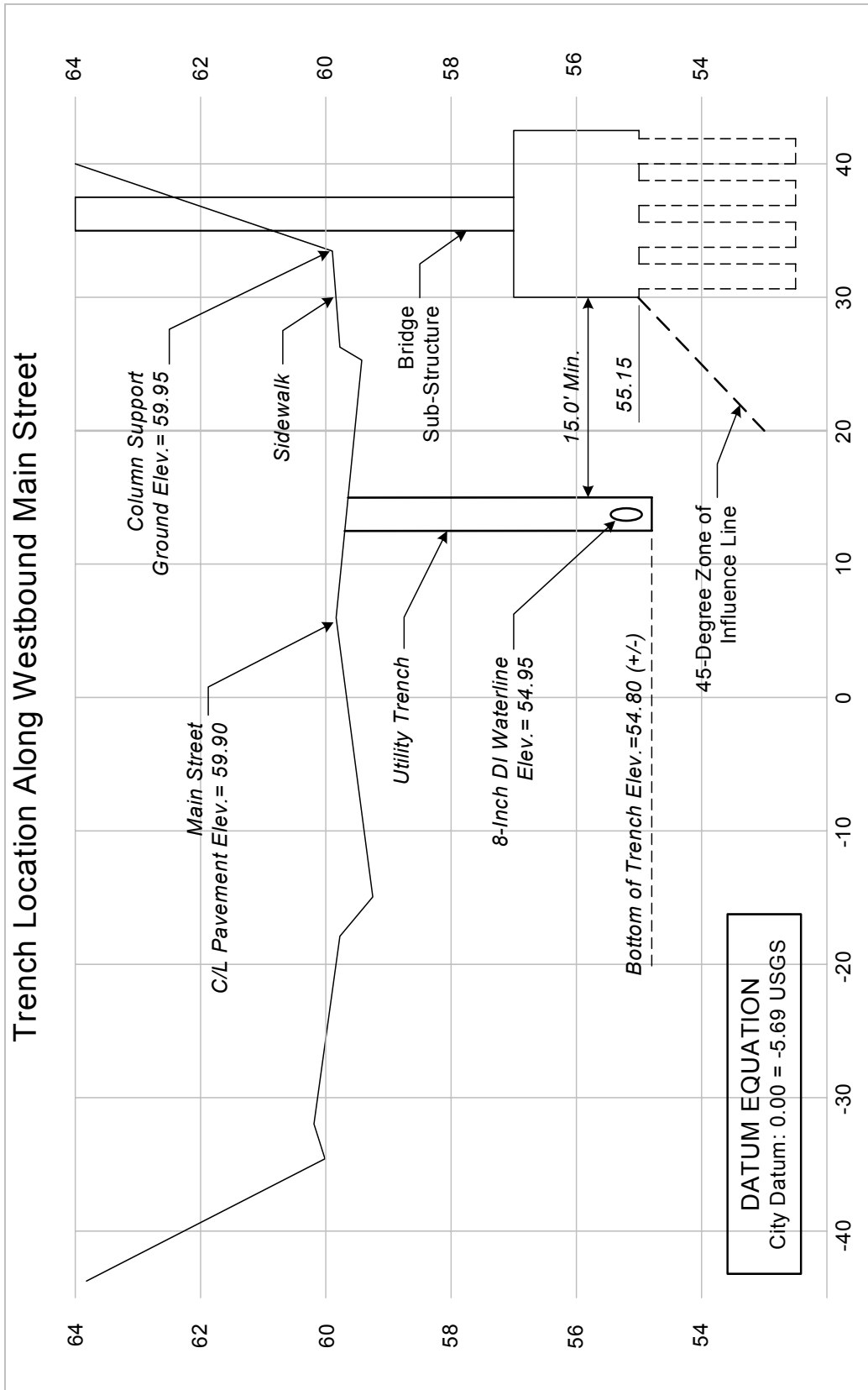
In all cases, the utility is responsible for restoration and repair of damage to structures as a result of the construction and operation of the utility.

WAC 468-34-270

2. **Materials, Design, and Casing** – All pipes carrying transmittants that are flammable, corrosive, expansive, energized, or unstable shall be encased throughout the length of the structure. A sleeve approximately 3 inches larger than the outside diameter of the carrier pipe shall be used. The space between the pipe and the casing must be effectively vented at each end. All piping systems under pressure shall state the maximum operating pressure and test pressure on the plans and on the label. (See 120.15, Casing, Conduit, Innerduct, and Encasement, and 120.04(16), Pipeline Identification and Detection, for additional guidance.)
 - Utilities shall be provided with suitable expansion devices near bridge expansion joints and/or other locations as required to prevent temperature and other longitudinal forces from being transferred to bridge members.
 - Utility supports shall be designed such that any loads imposed by the utility installation do not overstress the conduit, the supports, or the bridge members.
 - Utility locations and supports shall be designed so that a failure, such as a rupture, will not result in damage to the bridge or the surrounding area, nor become a hazard to traffic.
 - Conduit shall be rigid.
 - Lag screws may be used to attach brackets to wooden structures. All bolts holes shall meet the requirements of Sections 6-04.3(4) and 6-04.3(5) of the current edition of WSDOT’s *Standard Specifications*.



Zone of Influence
Figure 120-6



Subsurface Bridge Submittal Example
Figure 120-7

- Welding across main members will not be permitted. All welding must be approved.
- Conduits or brackets shall be attached to concrete superstructure members with resin bond anchors. Lag screws shall not be used for attachment to concrete.
- Drilling through concrete reinforcing steel in concrete structures is not permitted. If steel is hit during drilling, the anchor location must be moved and the abandoned hole filled with nonshrink grout conforming to the requirements of Section 6-03.3(36) of the current edition of WSDOT's *Standard Specifications*.
- There shall be a minimum of 3 inches edge distance to the centerline of bolt holes in concrete.
- All utilities and utility supports shall be designed not only to support their dead load but also to resist other forces from the utility, such as surges, wind, or earthquakes. The utility company may be asked to submit one set of calculations to verify utility design forces.
- Drilling into prestressed and post-tensioned concrete members for utility attachments shall not be allowed.
- Water or sewer lines to be placed lower than adjacent bridge footings shall be encased if failure can cause undermining of the footing.
- All steel in utility supports, including fastenings and anchorages, shall be galvanized in accordance with AASHTO M-111 or M-232 (ASTM A-123 or A-153, respectively).
- Rigid conduit shall extend a minimum of 10 feet beyond the end of the bridge and bridge approach slabs.

3. Location and Placement

- Utilities shall not be attached above the bridge deck or to railing or rail posts.
- Utilities shall not extend below the bottom of the superstructure.
- Whenever possible, all utility installations shall be hidden from view.
- Utilities shall be located to minimize bridge maintenance and inspection requirements. Coordinate installation proposals with the region Bridge Maintenance Office.
- Utility positioning on a structure that inhibits access to any structure part for bridge painting, repair, or maintenance should not be allowed.

WAC 468-34-270

4. Appearance – All utilities and utility support surfaces, including any galvanized utilities, shall be given a primer coat of state standard formula A-6-86 and two coats of state standard formula C-9-86. The final coat shall match the color of the bridge or structure. Utilities hidden from view, such as those installed within box-girder bridges, are exempt.

WAC 468-34-270

- All painted surfaces damaged during construction shall be cleaned and painted as noted above.
- Appearance of the utility installation shall be given serious consideration in all cases. Where possible, the utility installation shall be hidden from public view.
- Any and all paint splatters and overspray shall be removed from the structure to the satisfaction of WSDOT.

WAC 468-34-210
WAC 468-34-270

(7) Utility Encasement

All encasement requirements of the *Utilities Accommodation Policy* shall be met for attachments to structures or for subsurface utilities installed within the Zone of Influence. (See 120.15, Casing, Conduit, Innerduct, and Encasement, for additional guidance.)

WAC 468-34-210

(a) **Piping, Encasement, and Conduit Labeling** – Piping, conduit, and casings for utilities shall be installed with labels. Labeling and label material and installation shall conform to Section 6-01.10 of WSDOT’s *Standard Specifications* or the corresponding section of the most current edition.

Labels shall be color-coded based on the type of utility, with corresponding lettering as follows (see Figure 120-8, Utility Marking Convention):

- Label Background Color
- Content
- Lettering Utility Color

Label Background Color/ Lettering Utility Color	Content
RED	Electrical Power
YELLOW	Gas, Oil, Steam, Petroleum, and Other Gaseous Materials
ORANGE	CATV, Telecommunication, Alarm, and Signal
BLUE	Potable Water
GREEN	Sewer and Storm Drain
PINK	Temporary Survey Markings
WHITE	Proposed Excavation
PURPLE	Reclaimed Water, Irrigation, Slurry – <u>Nonpotable water</u>

Utility Marking Convention
Figure 120-8

120.08 Scenic Classification Policy

(1) General

WAC 468-34-330

The Scenic Classification Policy exists to preserve scenic views visible from state highways. In general, this policy establishes when and under what conditions utility facilities must be installed underground when they would otherwise be allowed to be installed as aerial facilities. These scenic classifications are based on various scenic values along the roadway, including roadway appearance, that may be attainable after ultimate improvements within the right of way.

(2) Roadway Scenic Classification Definitions

WAC 468-34-330(3)

Each scenic class represents the view from the roadway ranging from highest to lowest view quality. There are four individual scenic classifications:

(a) **Scenic Class A** – Areas of superior scenic quality consisting of panoramic views from the highway of ocean beaches, scenic valleys, lake frontage, mountains, forests, rivers, and so on. This scenic class may also include unique historical or cultural settings of superior quality that should be protected or preserved by special treatment for future generations.

- (b) **Scenic Class B** – Locations of high scenic quality where valuable scenic and environmental amenities exist, that are generally enjoyed by travelers and the public, and that deserve serious consideration for preservation and protective measures.
1. **Scenic Subclass X – Scenic Flexibility** – An alternative to Scenic Classes A and B. This class is for use in areas where utility or highway design alternatives, such as configurations, color, location, or other design features, may allow an aerial facility without significantly changing the landscape quality. Aerial facilities must be acceptable to WSDOT and substantiated by appropriate documentation describing the decision-making and justification processes.
 2. **Scenic Subclass X – Provisional Designation** – Route Jurisdiction Transfer (RJT) highways are designated Scenic Class BX(p) on a provisional basis until a Scenic Classification Review Team can be arranged to provide a formal classification designation. Regions should submit a request for formal review of RJT highways to the HQ Utilities Unit.
- (c) **Scenic Class C** – Areas of secondary scenic importance. Scenic characteristics are of marginal importance.
- (d) **Scenic Class D** – Areas of industrial development or areas heavily urbanized or deteriorated. Areas where the expense for beautification measures may not be appropriate.
- (e) **Route Jurisdiction Transfers and New Highways** – New highways or roadways whose ownership is transferred to WSDOT from another agency will receive a provisional scenic classification of BX(p) until a field review of the highway can be conducted by a Scenic Classification Review Team.

(3) **New Utility Installations**

- (a) **Scenic Classes A and B** – New utility installations shall be installed underground unless otherwise justified by “Special Exceptions,” noted in [Existing Utility Facilities](#) below. New aerial utility installations proposed within Scenic Classes A and B shall be considered a variance to the Scenic Classification Policy and require reasonable justification. (See [120.14](#), Variances: Types, Treatment, and Approval, for additional guidance.)
- (b) **Scenic Subclasses AX and BX** – Aerial installations may be allowed with justification.
- (c) **Scenic Classes C and D** – Aerial installations are allowed.

WAC 468-34-330(1)

(4) **Existing Utility Facilities**

Existing aerial utilities authorized by franchise within Scenic Class A or B may be renewed for one additional franchise period, as defined [100.02\(3\)](#), Franchise Consolidation, and [100.02\(4\)](#), Franchise Renewal. Upon expiration of the Franchise Renewal, the utility must be placed underground unless the utility has gone through the justification process to remain aboveground. In such cases, the following “Special Exceptions” shall be included in the Franchise Renewal:

WAC 468-34-330(1)

- Upon expiration of this franchise or permit, the utility shall place the existing aerial facility underground in those locations where the facility exists within Scenic Class A or B.
- The utility shall submit a written request and justification within 180 days of expiration of this franchise petitioning WSDOT to allow the existing aerial facility to remain aboveground.

 Best Practice

- (a) **Joint-Use Utility Facilities** – Third-party utilities installed upon an existing utility plant within Scenic Class A or B may be installed to the extent that only the existing utility poles may be used. Installation of a new utility pole to accommodate an aerial crossing from an existing utility pole should not be considered. Rather, the utility should make the crossing underground.
- (b) **Joint-Use Utility Facilities: Franchise Expiration** – Third-party utilities installed by franchise upon an existing utility plant should have the same expiration date as the existing franchise. Utilities proposing to make such an installation should be informed, in writing, of the status of the existing utility franchise. Such information should include:
- Scenic classification.
 - Existing franchise expiration date.
 - Undergrounding expectations.
 - Warning that the proposed utility may incur additional expense due to the necessity to underground in the near future.
 - That such expense is to be expected and may not be considered under “Special Exceptions” in [Variance From the Scenic Classification Policy](#) (below).

(5) Aboveground Utility Reconstruction and Maintenance

 WAC 468-34-330

- (a) **Utility Reconstruction** – Utility reconstruction is defined as the replacement of 25% of any utility poles, towers, or similar aboveground utilities within a mile of a highway. Individual periodic pole or tower replacement is exempt. When such reconstruction is to be done upon an aerial facility within Scenic Class A or B, the facility shall be reconstructed underground as defined by this section.
- (b) **Utility Maintenance** – Utility maintenance is defined as regular and routine maintenance of a utility, including individual replacement of any aboveground facility.

(6) Variance From the Scenic Classification Policy

Utilities may be eligible for a variance from the Scenic Classification Policy requirements if one or more of the following “Special Exceptions” is present:

 WAC 468-34-330(2)

- Power lines are in excess of 35 Kv.
- Alternative installation locations are unavailable.
- Alternative installation locations are unusually difficult and/or costly.
- Alternative installation locations are more undesirable from a visual quality standpoint.
- Underground installation of utility is not technically feasible.

If a utility wishes to apply for a variance from WSDOT policy, a Scenic Classification Variance Request Justification Questionnaire (see [Appendix B](#)) must be submitted and maintained in the accommodation document file.

(7) Scenic Class Reevaluation

Scenic classification designations should be updated periodically as determined by WSDOT. Designations may be disputed by utilities.

- (a) **Scenic Classification Disputes** – Utilities have the option of disputing existing scenic classification designations. Utilities wishing to dispute existing designations relative to a proposed utility installation must start the variance process and indicate the desire to dispute the existing scenic classification designation. Upon receiving the variance justification package, the Region Utilities Engineer should review the circumstances

and conditions relative to the dispute and provide a findings and recommendation to the HQ Utilities Engineer for further action.

- (b) **Scenic Classification Reevaluation: Department-Initiated** – Regions should conduct reviews of existing roadway scenic classifications periodically to determine which routes to consider for scenic class reevaluation. Include at least the following types of areas:
- Urban growth expansion.
 - Business and industrial development.
 - New roadway cuts, noise walls, or similar infrastructure features.
- (c) **Scenic Classification Review Team** – Forward scenic classification disputes or recommendations for reevaluation to the HQ Utilities Unit. Headquarters will arrange and coordinate a regional or statewide review by a Scenic Classification Review Team consisting of the following:
- HQ Landscape Architect (Permanent Member)
 - HQ Utilities Representative (Permanent Member)
 - Utility industry representative
 - Region Utilities Engineer
 - Region Landscape Engineer or other region designee
- (d) **Cost Responsibility** – Utility industry representatives will be responsible for their costs. WSDOT will be responsible for its costs.

120.09 Control Zone

All proposed aboveground utility installations within the operating highway right of way must meet the requirements of the Control Zone Guidelines outlined in [Chapter 9](#). Additionally, WSDOT must manage all existing aboveground utilities within the right of way to ensure compliance with Control Zone requirements as opportunities become available. The Control Zone Guidelines govern the location of utilities within the right of way for:

- New installations or reconstruction.
- Highway projects involving safety improvements.
- Franchise Renewal or Consolidation of existing utility objects.

(1) Utility Maintenance

WSDOT defines utility maintenance as isolated work to damaged or deteriorated facilities. However, work that increases the size or capacity of that utility is treated as a new installation and requires an approved permit or Franchise Amendment from the department. Physical movement, upgrade, or reinforcement of a utility is considered reconstruction and not maintenance.

Work considered to be utility reconstruction includes, but is not limited to:

- Utility pole replacement (see [900.10\(2\)](#), Existing Utility Reconstruction).
- Any increase in utility quantity, size, or capacity.
- Reinforcement or stabilization of any aboveground utility.

Upon review of the proposed utility work, WSDOT may require relocation of the existing utility.

WAC 468-34-350

(2) Utility Reconstruction

Opportunities for safety improvements should be discussed with utility owners when existing utility reconstruction is proposed (see [Chapter 9](#)).

(3) Department Coordination

Best Practice

Each region is encouraged to develop and coordinate communication and training with area maintenance forces that define reporting and responsibilities for proposed utility maintenance and utility improvement approvals.

120.10 Joint-Use and Future-Use Utilities

Joint-use utilities are third-party utilities installed upon or within a primary utility's existing infrastructure such as utility poles or conduit. Future-use conduit placement is encouraged when opportunities arise.

(1) Purpose and Need

Maintaining accurate records of ownership of third-party utilities is a critical requirement. Accurate ownership details can reduce or eliminate unnecessary delays and costs associated with the utility relocation efforts necessary on highway improvement projects. WSDOT should work in a positive and cooperative manner with utilities that may be in a position to allow other utility organizations' infrastructure to be installed upon or within their existing facilities. Utilities should be made aware of some of the benefits of a positive working relationship with the department in this regard, including:

- Accurate and up-to-date records.
- Cost recovery.
- Reduced administrative overhead, especially relating to utility relocations where the utility has no compensatory rights.

(2) Conduit for Future Use

The installation of empty conduits for future use during the construction of a highway project's other utility work should be encouraged. This potentially reduces or eliminates future interruption to traffic and offers flexibility to the utility owner and others wishing to lease or purchase the rights to use the conduit.

- (a) **Documentation of New Empty Conduit** – The following requirements apply to empty conduit:
 - Conduit may only be used by the utility that applied for the initial installation unless there is a lease agreement or formal change of ownership (see [130.05](#), Utility Transfer of Ownership – Acceptance of Assignment).
 - Conduits must be applied for as “Empty Conduit for Future Use.” All accommodation requirements apply to the application.
- (b) **Vacant Conduit: Lease** – Third-party utilities must apply for an accommodation document when leasing vacant conduit. A copy of the lease agreement must be attached to the application indicating a legal right to make the installation within the primary utility's conduit.
- (c) **Vacant Conduit: Purchase** – New utility facilities installed in existing conduits after a fee-simple purchase must first satisfy the requirements of the Acceptance of Assignment process before an accommodation document will be issued.

- (d) **Joint-Use Conduit: Franchise Expiration Date** – Franchises for leased conduit or conduit of fee-simple purchase of conduit by a third party located within the same gallery of conduits shall all expire at the same time as the franchise that originally placed the conduit. This allows WSDOT the opportunity to review the status of the entire gallery of conduit at the time of expiration and, if needed, coordinate joint trench relocation or address other needs.

(3) **Joint-Use Utility Poles**

A third-party utility wishing to attach its facility to existing utility poles must provide a Joint-Use Agreement, or other documentation deemed suitable by WSDOT, indicating that permission has been granted by the utility pole owner. Language should be included in the franchise Special Provisions that makes the primary pole owner responsible for any other utilities that are allowed on the pole by the pole owner. This responsibility will include future relocations required by either the pole owner or department needs.

Similar to joint-use conduits, third-party installations upon a primary utility's poles shall expire on the same date as the existing utility franchise to facilitate Consolidation, Renewal, and relocation issues.

- (a) **Joint-Use Utility Poles: Relocation** – In most cases, utilities attached to poles shall relocate together at such time as WSDOT or the originating utility deems relocation necessary. The pole owner is responsible to remove the pole or poles in their entirety.

120.11 Access Control

(1) **Access Types**

There are two types of access control on highway rights of way that affect utility accommodations. These are non-limited access (managed access) and limited access.

- (a) **Non-Limited Access** – This type of right of way is defined as a conventional highway where access control has not been established by WSDOT. This is also known as managed access control. Label this type of right of way as “None” in the Access Control box of DOT Form 224-697, Utility Facility Description, Exhibit B (see [Appendix B](#)).

WAC 468-51
WAC 468-52

- (b) **Limited Access** – Limited access is the type of highway right of way where the right to access is controlled. Any installation requiring an access break requires Headquarters approval; FHWA approval is also required on interstates. Accommodation of utility installations is restrictive within this type of right of way. Limited access is divided into the following types:

WAC 468-54
WAC 468-58

- Full access control: Generally allows access connections only at selected public roads.
- Partial access control: Generally allows access connections at selected public roads and some crossings and private driveways.
- Modified access control: Generally allows access connections at most approaches and includes existing commercial approaches.

WAC 468-34-110(3)(a)-(c)

Label this type of right of way as Full, Partial, or Modified in the Access Control box of DOT Form 224-697, Utility Facility Description, Exhibit B (see [Appendix B](#)).

1. **Full Access Control** – Longitudinal utility installations within full control limited access right of way are a variance to WSDOT policy and require justification. (See [120.14](#), Variances: Types, Treatment, and Approval, for additional guidance.)

Utility installations other than crossings normal to centerline are discouraged.

For the purpose of processing utility franchises and permits, the term full access control is inclusive of all highway facilities designated as full control limited access by WSDOT.

- a. **Interstate** – Access for utility installations within this type of right of way is highly restrictive.
- b. **Non-Interstate** – Utility installations within full access control of right of way are restrictive.

Label this type of right of way as “Full” in the Access Control box of DOT Form 224-697, Utility Facility Description, Exhibit B (see [Appendix B](#)).

WAC 468-34-110(3)
WAC 468-34-110(3)(a)
WAC 468-34-110(3)(d)

2. **Partial and Modified Access Control** – For the purpose of processing utility franchises and permits, modified and partial controlled access are treated the same. Justification must be reasonable and satisfactory to WSDOT. (See [120.14](#), Variances: Types, Treatment, and Approval, for additional guidance.)

Label this type of right of way as “Partial” or “Modified” in the Access Control box of DOT Form 224-697, Utility Facility Description, Exhibit B (see [Appendix B](#)).

(2) **Signature Authority**

Refer to [100.06](#), Approval Authority, for detailed guidance regarding approval authority for accommodation documents.

120.12 **Environmental Considerations**

WSDOT accommodation documents require utility applicants to secure all environmental permits for a utility installation. (See DOT Form 224-030, Special Provisions for Permits and Franchises, in [Appendix B](#).) In cases where FHWA approval is needed for a utility design variance or limited access break within interstate right of way, WSDOT must provide additional environmental documentation for National Environmental Policy Act (NEPA), Endangered Species Act (ESA), and National Historic Preservation Act (NHPA) compliance, as described in Section (4) below. For further information on environmental considerations, see WSDOT’s *Environmental Procedures Manual*, *Design Manual*, and *Maintenance Manual*.

(1) **Utility Environmental Permit Compliance**

WSDOT is not a regulatory agency. Thus, when a utility affirms that all of the necessary environmental permits are complete, it is not the department’s responsibility to obtain proof of the permit completion. If a hazardous spill or environmental damage occurs, the utility is responsible for corrective action.

(2) **WSDOT as Land Owner**

The risk to WSDOT as the land owner occurs when the utility owner and/or the utility’s contractor are financially small and not able to abate or correct their environmental damage. Theoretically, WSDOT could be required to correct the damage with department funds. WSDOT would then be in the position of attempting to collect expenses from the small utility, the utility’s contractor, and its bonding and insurance companies. The utility would have an interest in satisfying the debt if it desired to continue occupying highway right of way. The utility contractor could suffer remedies involving bonding and licensing.

(3) Corrective Action by WSDOT

If a hazardous spill or a deteriorating environmental situation (such as stormwater or air quality) occurs during utility installation or facility operation, the responsible utility representative should be notified of the situation as soon as possible. If any delay in taking the necessary corrective action appears likely, WSDOT has the right and responsibility to take corrective action. WSDOT may mobilize department staff, engage outside assistance to control the situation, or notify the Department of Ecology Spill Response Team as deemed appropriate by the department. The utility representative must be advised that WSDOT will hold the utility financially responsible for all costs incurred for the department's corrective actions. This notification will allow the utility the option to mobilize and assume the abatement actions with utility staff and/or contractors.

(4) Environmental Requirements for FHWA Approvals

FHWA's review and approval of utility design variances and limited access breaks within interstate rights of way constitute a federal nexus that results in the requirement for NEPA, ESA, and NHPA Section 106 compliance.

- (a) **NEPA Documentation** – FHWA's approval of utility installations along or across a transportation facility is categorically excluded under NEPA, pursuant to 23 CFR Section 771.117(c)(2); however, FHWA requires WSDOT to provide verification of this categorical exclusion for each installation. At a minimum, the region Environmental Manager must provide written verification to FHWA that 23 CFR Section 771.117(c)(2) is applicable to the proposed installation and that no further NEPA documentation is necessary.
- (b) **ESA Documentation** – WSDOT must ensure that utility installations requiring FHWA approval will not have adverse effects on species protected under ESA. If WSDOT verifies that no effects to listed species would result from the proposed installation, WSDOT must issue a "no effect" letter to FHWA for documentation. If, however, an ESA listed species may be present in the vicinity of the installation, further documentation related to the likelihood that the installation would affect the species is required. Contact the region Environmental Office for more information on ESA documentation.
- (c) **NHPA Section 106** – WSDOT and FHWA have entered into a statewide programmatic agreement that establishes stipulations for National Historic Preservation Act compliance for WSDOT highway projects. Under Exhibit B, Section B-12, of this agreement, "Trenching or other excavation to install, replace, or repair electrical, water, sewer lines, fiber optics, telephone cable, or other utilities in areas demonstrated to have been previously disturbed by construction, fill, or prior trenching activities" is presumed to have minimal potential to cause effects, pending additional screening, in order to determine that further review or documentation under NHPA is not required.

If utility installations requiring FHWA approval are consistent with B-12, the programmatic agreement requires that the qualified WSDOT cultural resource specialist conduct the additional screening to make and issue such a determination, and issue a statement to FHWA that Section B-12 of the Section 106 programmatic agreement is applicable to the proposed installation, and that no further NHPA documentation is necessary. If, however, the screening indicates that the proposed installation does not meet the conditions of Exhibit B, Section B, further review and documentation may be necessary. Contact the region Environmental Office for more information on NHPA Section 106 documentation.

120.13 Utility Maintenance

WAC 468-34-340(2)(B)

All utilities installed within the highway operating right of way shall be maintained in good condition operationally and visually. Utilities requiring routine maintenance or inspection shall notify WSDOT and receive approval before any work is performed.

(1) Utility Maintenance Requirements

At a minimum, utility maintenance proposals must include:

- Contractor name and contact (if different from utility owner of record).
- Type of maintenance required.
- When work will be performed.
- Location of work (state route and milepost).
- Accommodation document's number authorizing existing facilities.
- Traffic control.

Other items to consider include:

- Plan view drawing and/or cross section.
- Ingress and egress points.
- Number and type of equipment needed for maintenance operations.
- Staging areas for equipment and materials, if applicable.

(2) Notification of Maintenance Operations Within State Right of Way

Utilities shall submit a Notification of Maintenance Operations Within State Right of Way to the region Utilities Office within three (3) working days prior to any maintenance work. Some highway locations may require that specific information be submitted for approval.

Utilities installed within limited access may require that more detailed information be submitted.

WAC 468-34-340(2)(C)

- (a) **Emergency Repair** – The need for emergency repair of a utility must be communicated to WSDOT immediately and approval as to the manner of repair secured as soon as possible.

In all cases, the safety and protection of the traveling public is the prime concern of WSDOT and the utility. All traffic control shall conform to the current issue of the *Manual on Uniform Traffic Control Devices* (MUTCD).

120.14 Variances: Types, Treatment, and Approval

A variance is a proposed utility installation that is contrary to the *Utilities Accommodation Policy* established by WSDOT. All variations from department policy require written justification from the utility for review and appropriate approval. WSDOT shall avoid approving variance proposals that are insufficiently justified.

By definition, variances have the potential to negatively affect the continued operation of the highway. Therefore, review in detail variance proposals and their impact on highway facilities both during construction and in the future.

(1) Variance Documentation

Best Practice

The variance approval process must be thoroughly documented in the application file. This documentation may be required at a future date to illustrate the variance approval decision process in the event of a tort claim or other litigation involving the utility installation. (See 100.05, Accommodation Documents: Management and Administration, for detailed guidance on file maintenance best practices.)

(2) Types of Variances

Items considered a variance to WSDOT's *Utilities Accommodation Policy* include:

- Open cuts of state roadway.
- Open trenches within areas defined as Category 1.
- Shallow depth installations that do not meet the requirements of [WAC 468-34-200](#).
- Longitudinal installations inside limited access control right of way.
- Longitudinal installations within any median.
- Aerial installations within Scenic Class A or B.
- Uncased crossings that do not meet the requirements of [WAC 468-34-210](#).
- Control Zone Location I and II aboveground objects.

A single utility installation may include more than one of the variances listed. Regardless of the number of variances proposed for a single utility installation, document each variance completely, as described in this section.

(3) Justification Requirements: General

The approval of any variance installation proposal must meet four criteria. The utility owner or its representative must provide sufficient information to prove that the proposed variance is:

- Reasonable
- Verifiable
- Valid
- Justified

The proposal must be **reasonable** and within the bounds of normal industry standards. There must be a **valid** reason the variance is necessary, and it should not place the convenience of the utility ahead of the needs or goals of WSDOT. Issues or circumstances cited as reasons for the variance must be able to be **verified** by documentation. The proposed variance must also be **justifiable** as the only available means of installing the proposed utility based on all other alternatives considered but rejected.

To begin the variance approval process, utilities must complete a variance justification package for review by WSDOT. It is the responsibility of the utility to provide proof sufficient for approval by the department.

In addition to the general application requirements listed below, include the following specific information for each type of variance proposal:

- Engineering plans, profiles, and details for the chosen route.
- Roadway cross section of the entire right of way width at regular intervals (maximum 50 feet) where the open trench encroaches upon the roadway prism. Show details relating to width of travel lanes; turn lanes; shoulders and widened areas; and location of existing utilities.
- Open trench cross section showing pipe and casing, if applicable; trench width; pipe zone bedding and material; backfill material; and existing and replacement surfacing material, width, depth, and specifications.
- Utility Maintenance Plan, if necessary.
- Cost estimate, if cost is the reason for the rejection of alternatives.
- Additional supporting information.

WAC 468-34-190(4)

- (a) **Open Cuts of State Roadways** – Open cutting the paved surface of a highway allows intrusion by weather, settling due to poor material or compactive efforts, and other factors that lead to premature roadway deterioration. These and other causes can result in an overall increase in roadway maintenance, snow-removal difficulties, and other cost-prohibitive challenges for WSDOT. It is for these reasons the department considers **any** open cutting of the paved roadway a variance from policy and requires extensive justification for approval of any open cut proposal.

All applications proposing to open cut the paved roadway shall include:

- Open Cut Variance Request Justification Questionnaire (see [Appendix B](#)).
- Plan showing all alternative routes considered.

WAC 468-34-190(3)

- (b) **Open Trench Within Limits of Category 1** – Open trenching includes both longitudinal trenching for utility installation and trenching related to work such as a bore pit. Similar to open cutting, open trenches near the edge of pavement reduce the life span of the roadway structure, can cause undermining of the paved roadway and lead to settling, and have other negative impacts. Because of such issues, these conditions are a variance from policy and require justification for approval of any open trench proposal.

All applications proposing open trenching within the limits of Category 1 must include:

- Roadway Prism Open Trench Variance Request Justification Questionnaire (see [Appendix B](#)).
- Plan showing all alternative routes considered.

WAC 468-34-200

- (c) **Shallow Depth Installation** – Utilities must be installed at depths noted in [Figure 120-3](#), Minimum Cover Detail, to protect the utility from damage to superimposed highway loads and maintenance operations and to avoid impacts to the utility by minor highway improvement projects.

Shallow installation proposals shall include suitable reinforcement to protect the utility from loading and highway operations. (See [120.15](#), Casing, Conduit, Innerduct, and Encasement, for additional guidance on pipeline protection and reinforcement.)

All proposed shallow depth utility installation variance proposals must include:

- Shallow Depth Installation Variance Request Justification Questionnaire (see [Appendix B](#)).
- Reinforcement detail showing the type of protective measures proposed and construction methods.

WAC 468-34-190(3)

- (d) **Longitudinal Installations Within Any Median** – All longitudinal median installations are a variance from WSDOT policy and must be justified. Median installations present construction challenges for the utility; hazards for the traveling public from construction equipment and materials; safety issues for construction workers; highway improvement relocation issues for the utility; and potential for construction delays on department highway improvement projects.

All applications proposing a utility installation in a median must include:

- Longitudinal Median Installation Variance Request Justification Questionnaire (see [Appendix B](#)).

- (e) **Longitudinal Installations Within a Limited Access Controlled Highway** – WSDOT and the FHWA purchase access rights to some highway rights of way in order to limit access to the facility. Full access control facilities access transportation facilities only from interchanges.

See AASHTO's "A Policy on the Accommodation of Utilities Within Freeway Right-of-Way"

- Access to worksites from interchange ramps or to areas outside the designated main line traveled way is also restricted.
- Any access from outside the right of way or to locations beyond interchange ramps or main line traveled lanes must be justified.

To determine the limited access level of specific rights of way, refer to the Access Control Tracking System managed by the Access and Hearings Section of the HQ Design Office.

All applications proposing an installation anywhere within limited access or that require access to or from limited access right of way must include:

- Encroachment Within Full Access Control Right of Way Variance Request Justification Questionnaire (see [Appendix B](#)).

- (f) **Aerial Installation Within Scenic Class A or B** – The Scenic Classification Policy exists to preserve scenic vistas along or over state highways, and it applies to any aerial or surface utility. Scenic classification does not apply to subsurface utilities.

Generally, installations proposing to install aerial facilities within Scenic Class A or B are a variance to WSDOT policy and require reasonable justification. At its option, the department may allow aerial facilities proposed within Scenic Class AX or BX if acceptable mitigation measures are applied. (See [120.08](#), Scenic Classification Policy, for guidance on scenic classes.)

All applications proposing an aerial facility within Scenic Class A or B must include:

- Scenic Classification Variance Request Justification Questionnaire (see [Appendix B](#)).

- (g) **Control Zone Location I and II Utility Objects** – Locate all utility objects outside the Control Zone in order to maintain a highway free from objects that may be struck by errant vehicles. Installations that are proposed to be installed inside the Control Zone (Location I or II) must be supported by sufficient justification for variance consideration. (See [Chapter 9](#), Control Zone, for detailed information on Control Zone requirements.)

All applications proposing the installation of a Location I or II aboveground utility object must include:

- Control Zone Location I and II Variance Request Justification Questionnaire (see [Appendix B](#)).
- Utility Object Relocation Record (see [Appendix B](#)).

(4) **Variance Justification Review**

Justification packages are sent to be reviewed and approved by the appropriate region and Headquarters specialty groups. Conditions and situations vary from installation to installation. Specialty groups that may need to be involved in variance reviews include, but are not limited to, the following:

- | | |
|-------------------------------|-----------------------------------|
| • Area maintenance personnel | • HQ or region Hydraulics Office |
| • Region Environmental Office | • HQ Bridge and Structures Office |
| • Region Traffic Office | • HQ Geotechnical Division |
| • Region project offices | • HQ Access and Hearings Section |
| • Region Development Services | • FHWA |
| • HQ or region Materials Lab | • Survey Support Unit |

Best Practice

(5) Variance Approval

Certain variances are delegated to the Regional Administrators for approval; others require the approval of the HQ Utilities, Railroad, and Agreements Manager after concurrence by FHWA. (See 100.06, Approval Authority, for a specific list of delegated approvals, and Figure 100-8 for general guidance and a flowchart outlining the process.)

Each region should develop a system for the processing of region-delegated variance approvals.

- (a) **Headquarters Approval Transmittals** – Variance approval requests should be prepared for signature and forwarded to the HQ Utilities Unit. Contact Headquarters early in the approval process. A preliminary submittal is recommended for review, comments, and any additional information needed. As such, all Variance Request packages must contain a completed Justification Questionnaire.
1. **Application Package** – All variance approval requests transmitted for Headquarters approval must contain:
 - An Application for Utility Permit or Franchise form with the utility’s signature.
 - Special Provisions for permits and franchises.
 - Utility Facility Description.
 - Appropriate permit or franchise exhibits.
 - Approved Traffic Control Plan, if required.
 - Approved TESC Plans, if required.
 - Approved Dewatering Plan, if required.
 2. **Variance Request Package** – A memorandum providing the following information must be attached as a cover to the Variance Request Package.
 - Description of the variance with a reference to the appropriate part of the *Utilities Accommodation Policy* for which a variance is being requested.
 - Highway classification.
 - Region review effort, comments, and support.
 - Justification Questionnaire.
 - Access type.
 - Scenic classification.
 - ADTs.
 - Method of construction and maintenance access.
 - Maintenance Plan (if appropriate).
 - Bridge data (if appropriate).
 - Other pertinent information that may have a bearing on approving authority’s signature.

120.15 Casing, Conduit, Innerduct, and Encasement

(1) General Requirements and Considerations

Encasement or casing of utilities within the roadway prism is necessary for a variety of reasons, including constructibility, code requirements, or other situations. When considering utility installations within the right of way, WSDOT's review should not focus strictly on the immediate construction impacts of the installation, such as with open cuts. Attention should also be paid to the preservation of the roadway and the long-term effects the proposed utility may have upon continued operation, maintenance, and improvement of the highway. Issues to consider include:

- Pressurized pipe rupture or leaking.
- Leaking of hazardous, caustic, or combustible materials.
- Utility maintenance or improvements that may require removal or replacement of carrier pipe or conduit.
- Utility relocation.

All pipeline installations shall meet the requirements outlined in this section. Any application for utility accommodation proposing to install a utility without casing as defined under [Required Casing Conditions](#) (below) is a variance to WSDOT policy. (See Section [120.14](#), Variances: Types, Treatment, and Approval, for detailed guidance on justification procedures.)

(2) Required Casing Conditions

Casing of utilities is required for the following situations and conditions:

- Utilities installed under completed limited access highways or freeways. Casing shall extend from right of way line to right of way line on all access controlled rights of way.
- Utility crossings where casing is required by appropriate industry code or special conditions.
- Pressurized carrier pipe installed within the roadway prism, including pipe installed longitudinally under the roadway.
- Pipelines carrying transmittants that are flammable, corrosive, expansive, energized, or unstable.
- Utility installations where local features, embankment materials, construction methods, or other conditions indicate any possibility of damage to the protective coating of carrier pipe during installation. It is the responsibility of the utility to provide evidence that the pipe coating will not be damaged during installation.
- Installations at locations such as freeways or other high-volume or controlled access highways where the current or future insertion, removal, replacement, or maintenance of utilities would avoid open trench construction.
- Protection of the utility from external loads or shocks both during and/or after construction.
- As a method of conveying leaking fluids or gasses away from the area directly under the roadway to a point of release at or near the right of way line or to an established highway drainage containment facility.

WAC 468-34-210

WAC 468-34-210

WAC 468-34-210
WAC 468-34-210(3)(a)
and (b)

WAC 468-34-210
WAC 468-34-210(1)(a)
AASHTO
WAC 468-34-210(1)(b)
WAC 468-34-210(1)(c)
WAC 468-34-210(1)(d)
WAC 468-34-210(2)(a)
WAC 468-34-210(2)(b)
WAC 468-34-210(2)(c)
WAC 468-34-210(2)(d)

WAC 468-34-100
WAC 468-34-210(3)
WAC 468-34-210(3)(a)

- (a) **Exceptions to Required Casing Conditions** – Casing is required for all conditions defined by this section. Except as outlined below, no exceptions to casing requirements should be allowed for utility installations that might otherwise be installed using open trench construction methods or in advance of highway construction. All utility installations that require encasement but are proposed to be installed without encasement must be justified as defined by this manual. (See [120.14](#), Variances: Types, Treatment, and Approval, for additional guidance regarding variance justification.)

WAC 468-34-210(3)(c)
WAC 468-34-210(3)(b)

The exceptions to casing are as follows:

- Uncased crossings for local service connections of 1-inch-diameter or less carrying natural or other gas across two-lane highways may be installed without casing.
- Pipelines conveying natural or other gas that meet the design, installation, and cathodic protection provisions of the Minimum Federal Safety Standards, [49 CFR, Part 192](#), and [WAC 480-93](#), Gas companies – safety.

(3) **Longitudinal Casing Installation**

WAC 468-34-190

Longitudinal installations are typically not subject to casing requirements. In all cases, WSDOT should work with the utility to find alternative installation locations within the right of way that will avoid the need for longitudinal installations.

(4) **Encasement Requirements: Materials and Construction**

WAC 468-34-210(4)

- (a) **Crossing Length** – Casing shall extend a minimum of 6 feet beyond the edge of the roadway prism or back of curb (see [Figure 120-9](#), Rural Casing Installation, and [Figure 120-10](#), Urban Casing Installation).

WAC 468-34-210(5)
WAC 468-34-250(3)(c)

- (b) **Seals and Annular Fill** – Casings shall be sealed at both ends. Casings over 12 inches in diameter shall have the annular spaces between carrier pipe and the casings filled with pressurized grout or blown sand unless otherwise authorized by WSDOT.

WAC 468-34-220(1)

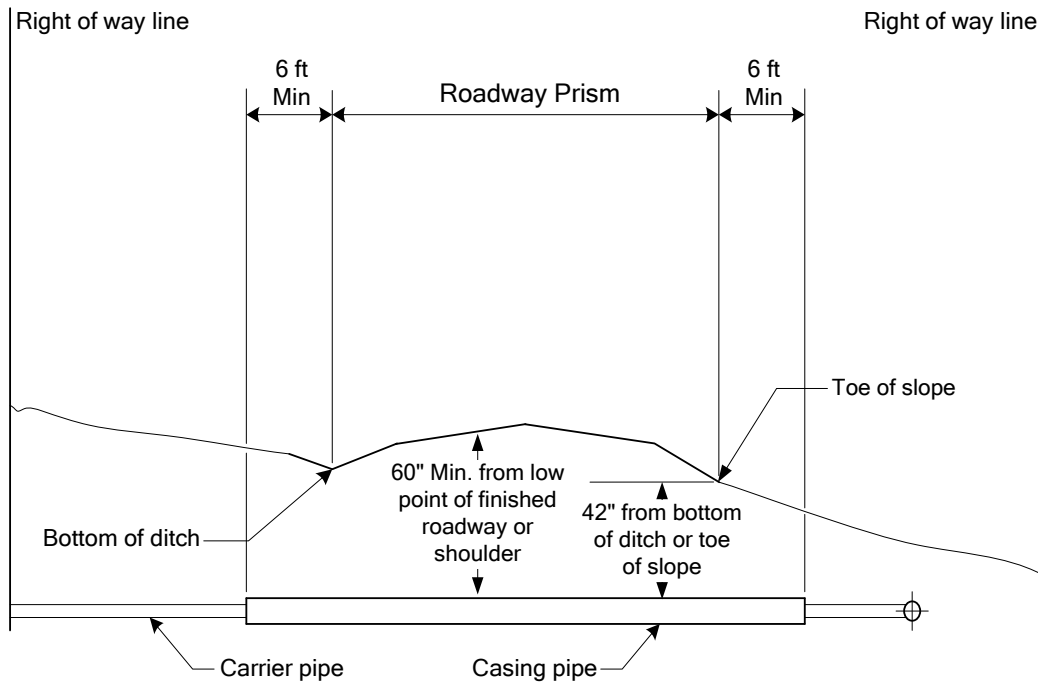
- (c) **Vents** – Vents are required for all casings holding carrier pipe transmitting fuel where required by [49 CFR, Part 192](#), Minimum Federal Safety Standards. Vents shall be located as close to the right of way line as possible and free from vegetated cover.

WAC 468-34-220(2)

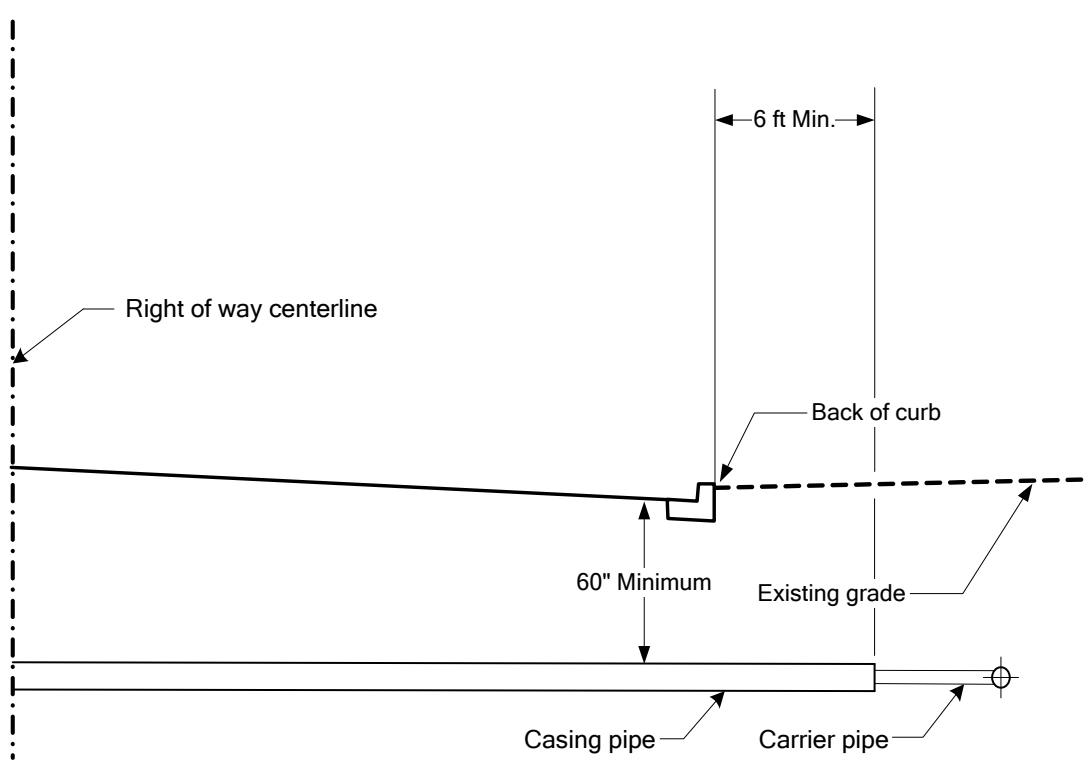
- (d) **Drains** – Drains are required for all casings holding carrier pipes that contain liquid, liquid gas, heavy gas, or other petroleum products. Drains should outfall to locations approved by WSDOT and where, if a rupture in the carrier pipe were to occur, it would not cause harm or damage to environmentally sensitive areas. Under no circumstances shall the drain or drain outfall be used as a wasteway for purging the carrier pipe unless specifically authorized by WSDOT.

WAC 468-34-210

- (e) **Installations on Highway Structures** – Encasements within, upon, or near any highway structure require the advance review and approval of the region Bridge Maintenance Office, HQ Bridge Preservation, or HQ Bridge and Structures Office. (See [120.07](#), Bridges and Structures, for detailed guidance on structure attachments.)



Rural Casing Installation
Figure 120-9



Urban Casing Installation
Figure 120-10

130 Post-Approval Administration

130.01 Addenda to Approved Accommodation Documents

An addendum is any document or plan that revises, modifies, or supplements a previously approved utility accommodation document, becoming part of the approved utility installation.

Minor changes to previously approved utility accommodation documents often make resubmitting the entire permit or franchise application costly and impractical. An addendum allows the focused review of a minor change or addition to the approved permit or franchise and could avert the need to submit an entirely new application.

Note: Addenda should be used only prior to or during construction. Minor post-construction changes should be noted on as-builts.

(1) When to Use an Addendum

Addenda should be used when a revision to an approved permit or franchise is necessary, but submitting a complete new application is not practical. Examples of when an addendum may be an alternative to resubmitting the entire utility installation proposal for another review include:

- Revision to a Special Provision, such as a change in WSDOT's contact person, addition or modification to a provision, or correction of an error or omission.
- Changes in the location or scope of work that do not change the details of the overall approved installation.
- Changes in size, capacity, or quantity of the utility being installed.
- Changes, additions, or revisions to an exhibit such as the Traffic Control Plan (TCP), Temporary Erosion and Sediment Control (TESC) Plan, or other preapproved exhibit.
- Change in construction method(s).

Circumstances may warrant the use of a method other than an addendum to remedy a given situation. Consider each addendum separately based on the risk of the proposed change. Documentation may range from a simple letter approval or red-line correction for a low-risk revision, to complete addenda documentation. A new application may be the best solution for a higher level of risk. Check with the approving authority for guidance.

(2) When Not to Use an Addendum

Significant changes in the originally approved application will usually require submitting an entirely new application for complete review approval. Some examples where an addendum may not be appropriate include, but are not limited to:

- Impacts occur to a highway structure.
- Changes where a new approval process must be completed.
- Changes impact the access level of the highway where the utility is being installed.
- Changes impact a highway project.
- Due to the proposed addendum, the approval level authority changes to a higher approval authority from that of the originally approved accommodation document.
- Producing the addendum will require more work or expense to approve than submitting a new application.

(3) Approval

An addendum or other change to the originally approved accommodation document should be approved by the original approving authority. (See 100.06, Approval Authority, for additional guidance.)

(4) Components of an Addendum

It is important to maintain a record of addendum approvals. Records of addenda may consist of an e-mail or a simple addendum approval letter, to a complete set of formal addendum documents (see sample in Figure 130-1). Under no circumstances should verbal authorizations be considered an appropriate method of revising an approved accommodation document.

(a) **Formal Addendum Documentation** – A complete set of formal addendum documents should consist of:

- A cover letter with instructions to the permit or franchise holder explaining the addendum procedure.
- Addendum documentation (see sample in Figure 130-1).
- Addendum receipt (see sample in Figure 130-2).

(5) Confirmation Receipt

A confirmation receipt may be required for revisions or changes to approved documents. The receipt should include language that legally confirms or endorses the change. The need for a receipt should be considered depending on the significance of the change. The approving authority is the decision maker regarding the need for a confirmation receipt. (See Figure 130-2 for a sample receipt.)

(6) Procedure

The recommended procedure for processing changes or revisions to an approved accommodation document is as follows:

- Identify the item or issue that requires a revision or addition. Verify that an addendum to the original document is the appropriate method of amending the issue.
- If appropriate, initiate any necessary reviews.
- Process changes to permit or franchise documentation as needed.
- Obtain approval for the revisions or additions from the approving authority.
- Forward the addendum package to the utility owner with receipt confirmation, if needed.
- Once addendum receipt confirmation is received, forward a copy of the signed addendum to the region Utilities Inspector. File the original addendum documentation in the accommodation document file.
- Forward a copy of any revisions, additions, or new approved applications to the original accommodation document recipients.
- File the original addenda documentation in the region accommodation file.

Department of Transportation
Olympic Region Utilities Office, Olympia, WA 98504

**UTILITY FRANCHISE AMENDMENT NO. 6123, Amendment 12
SR 88, Milepost 35.56 to Milepost 41.02**

ADDENDUM NO. 1

The General Provisions, Special Provisions, and Exhibits for this utility permit or franchise are amended as follows:

General Provisions

The following is added to item 16:

Costs incurred by the Department shall be billed to existing Jx Account No. 1234. Any and all costs and impacts incurred by the State to restore the project site to State contract 4321 specifications due to work performed under this franchise will be the responsibility of the utility.

Special Provisions

Exhibit A

On page 1, the following Department representative is revised to read:

*John Engineer, P.E.
5720 Capitol Blvd.
Tumwater, WA 98504
(360) 555-1212
E-mail: enginej@wsdot.wa.gov*

On page 1 the following is added:

Item 9 is hereby added as an applicable provision.

On page 3 the following is added:

42. As agreed in the August 14, 2008 field meeting between the Department and the Utility, the Utility shall coordinate its work with the Department representative noted in Special Provision 1. It was agreed that the Utility will use the Department's contractor to reestablish any disturbed vegetation, landscaping, or planting previously completed by the Department and its contractors or subcontractors.

Addendum Document
Figure 130-1



**Washington State
Department of Transportation**
Paula J. Hammond, P.E.
Secretary of Transportation

Transportation Building
310 Maple Park Avenue S.E.
P.O. Box 47300
Olympia, WA 98504-7300
360-705-7000
TTY: 1-800-833-6388
www.wsdot.wa.gov

ADDENDUM RECEIPT

**UTILITY FRANCHISE NO. 10028 C AM 5
SR 123, Milepost 5.76 to Milepost 5.78**

Addendum No. 1

By my signature, I hereby acknowledge that I am authorized by my company or organization to approve the above utility permit or franchise addendum and concur with the revisions contained therein.

Signed and dated this _____ day of _____, 20 ____.

Sign name

Print or type name

Print or type title

Print or type company name

Print or type company address

Print or type City, State, Zip Code

Addendum documentation must accompany other utility permit or franchise documentation on the jobsite and is not effective until received by the Department. Please sign and return this page by mail, e-mail, or return fax.

Addendum Receipt
Figure 130-2

130.02 Extension of Installation Time

By signing the Application for Utility Permit or Franchise form, applicants agree to begin construction within one year from the date of approval of their application. Utility accommodation documents will be considered invalid if construction does not begin within the time frame indicated on the application. When this occurs, or if construction cannot be started within the one-year time frame, the utility must either apply for an Extension of Installation Time or reapply for a new accommodation document.

WSDOT Policy

(1) Purpose

The primary purpose of this time constraint is to ensure no changes have occurred in the scope of the installation or the method of construction from that originally approved. WSDOT should review the original documents to ensure no changes have occurred.

(2) Requests for Extension of Time

If construction has not begun within the one-year time frame, as determined by the application approval the applicant should (1) submit a written request for an extension of time to begin construction or (2) submit a new application. The request should include justification for the delay in construction start. WSDOT should review the request and make a reasonable effort to verify that no significant changes have been made in the scope or nature of the installation.

- (a) **Cost Recovery** – If construction for an approved accommodation document has not occurred, the cost-recovery policies apply to the request for the extension of time. In the event additional reviews are warranted, accommodation cost-recovery policies may be instituted for the review costs necessary to acquire approval of the request.
- (b) **Requirements for Extension of Time to Begin Construction** – For applications previously approved, but for which construction has not begun within the one-year period after the approval date, all of the following should be submitted or apply:
- Written justification for the delay in construction start.
 - If changes have occurred, new plans for approval, along with application to be treated as a completely new submittal.
 - Approval should be by the original permit or franchise signatory or equal.

Additionally, items that should be considered on a case-by-case basis when an Extension of Installation Time request is received include:

- Meeting with applicant and WSDOT support personnel, as appropriate.
- Establishment of a reimbursable account may be necessary for the additional review and/or meetings required, if the applicant does not have an active reimbursable account.
- Reevaluation of existing Traffic Control Plans or new plans, as may be needed for revised installation plans.
- Review and approval by appropriate support groups.

130.03 As-Builts: Record Drawings

As-builts (or Record Drawings) are plans showing the actual installation location of the utility after necessary field adjustments.

Whenever there is an approved field change to the accommodation document, an As-Built shall be submitted to WSDOT within 90 days after the completion of the installation.

As-Built documents shall be submitted by the utility owner or its authorized agent, unless the WSDOT inspector documents the changes. These changes should be noted in the original accommodation document and in the Utility Franchise and Permit (UFP) database.

Changes to the proposed installation shall be submitted on new plan sheets or on existing plan sheets, with *additional* installations in red and *deleted* items in green.

Upon receipt of as-builts, make the appropriate changes in the UFP and the original accommodation document. New copies of the changes shall be sent to the original recipients.

130.04 Penalties

RCW 47.44.060

All persons, firms, or corporations that construct, operate, or maintain a utility or similar facility must first have, and have at all times and in full force and effect, a utility franchise or permit in the manner provided by law. Those found in violation of the law are guilty of a misdemeanor and may be liable for a civil penalty of \$100 per calendar day from the date notice is given.

Accommodation issues that need to be considered for penalties include, but are not limited to:

- Expired franchises.
- Utilities inherited by a Route Jurisdiction Transfer.
- Issues resulting from impacts from a highway improvement project.
- A breach of the terms of the approved utility permit or franchise.

(1) Notification and Department Action

Prior to attempting to formally collect any penalties, a three-step notification process must be followed:

- Step 1** – Make every effort to work in an informal, cooperative manner with utility owners to resolve issues for which penalties may be under consideration. Document all formal and informal contact with the utility while attempting to resolve the penalty issue.
- Step 2** – Send a certified letter to the utility per [RCW 47.44.060](#). The notice must inform the utility owner that an Application for Utility Permit or Franchise must be submitted within 45 days or the utility installation must be removed from the right of way. The letter must indicate the location of the utility within the right of way.
- Step 3** – If no application has been received from the utility owner within 45 days, contact the HQ Utilities Unit. The HQ Utilities Unit will meet with the Attorney General's Office to discuss the next step that may need to be taken.

The utility owner has 45 calendar days from the date of receipt of the certified letter to apply for an accommodation document and comply with WSDOT's [Utilities Accommodation Policy](#).

130.05 Utility Transfer of Ownership – Acceptance of Assignment

One of the key objectives of the utility accommodation process is to maintain accurate records of the type, capacity, location, and ownership of each utility located in the operating highway right of way. The Utility Transfer of Ownership process was created to document the ownership changes of existing utilities. Ownership changes have an effect on sureties, Franchise Renewals, and data management and administration. These areas should be taken into account when utility ownership transfers occur.

WAC 468-34-020(1)

(1) *Benefits of Documenting Ownership Transfer*

Accurate records benefit WSDOT by allowing the Region Utilities Engineers to contact utility owners in the event utility relocation is necessary to accommodate a highway improvement project.

(2) *Transfer Requirements*

The Utility Transfer of Ownership process is required whenever an existing utility:

- Transfers ownership
- Changes its name
- Makes a change in corporate structure

(3) *Coordination and Responsibility*

The lead for the Utility Transfer of Ownership process varies depending on the utility and the circumstances.

- (a) **Region-Only Transfers** – Region Utilities offices should maintain a recordkeeping system that tracks individual accommodation document assignments for utilities that are restricted to within region boundaries, where the change in ownership will not affect other regions' business needs.
- (b) **Statewide Transfers** – Utility Transfers of Ownership for utilities that cross region boundaries should be coordinated by the HQ Utilities Unit. This ensures statewide involvement in the transfer process and allows for coordination and communication of ownership and blanket surety issues.

(4) *Effect on Accommodation Documents*

There are secondary effects to accommodation documents when there is an ownership transfer. Those effects depend on the type of accommodation document, its status, and the location of the utility. (See [100.05](#), Accommodation Documents: Management and Administration, and [100.02](#), Types of Utility Accommodation Documents, for additional guidance on accommodation documents.)

- (a) **Current Utility Franchises** – The ownership transfer process should not have an immediate effect upon current unexpired utility franchises. However, when franchises are involved in utility transfers of ownership, several issues must be confirmed and, if necessary, communicated to the new utility owner to ensure full disclosure of pending issues that will affect the utility.
 1. **Utility Franchise Expiration Date** – Utility franchise expiration dates carry over to the new utility owner in the Utility Transfer of Ownership process. There is no change or adjustment in the franchise expiration date. It is important that WSDOT advise the company assuming utility ownership responsibility of any pending franchise expiration issues that will require Franchise Renewal.

2. **Transfer of Aerial Franchises in Scenic Class A or B** – Similar to notification of pending or currently expired franchises, it is critical to disclose to the company assuming utility ownership any existing or pending franchise expirations that will require an aerial facility to be removed and installed underground on highways within Scenic Class A or B. (See [120.08](#), Scenic Classification Policy, for additional guidance on scenic classification issues.)
 - (b) **Transfer of Expired Franchises** – Expired franchises are not legal documents; they have expired and are therefore not eligible for transfer from one entity to another. Before any transfer can legally take place, the original owner must renew the franchise, or the new owner must apply for a new utility accommodation application or Consolidation.
 - (c) **Utility Permits** – Utility permits are by nature perpetual documents. There should be little administrative effect to utility permits due to an ownership transfer. Surety issues and database name changes must be addressed.

(5) Effect(s) on Surety

Blanket sureties held by WSDOT insuring the previous utility owner should not be released until the ownership transfer process is complete. If the previous utility has installations pending release of surety, a new surety must be obtained by the new utility until the utility installations are eligible for release from surety. If the new utility plans to make additional applications for utility installations, the utility should be encouraged to obtain a blanket surety. However, the new utility also has the option of obtaining individual sureties for new utility installations. (See [110.04](#), Sureties, for additional guidance.)

Utility Transfers of Ownership for companies holding a blanket surety must be coordinated with the HQ Utilities Unit to ensure the existing blanket surety for the outgoing utility owner is released and replaced by an appropriate surety for the new utility owner.

(6) Document Administration

Use of a single Utility Transfer of Ownership form with an attached list of affected accommodation documents may be used to document the ownership transfer. A single form for each document being transferred is also acceptable. Regardless of the method, the Utility Transfer of Ownership form must list each accommodation document affected by the transfer. Regions should ensure each permit or franchise involved in the transfer has a copy of the Utility Transfer of Ownership form placed in each accommodation document file.

- (a) **Utilities Database** – Updates to the UFP database relating to transfer of ownership are the responsibility of the HQ Utilities Unit. Contact Headquarters when changes need to be made to the database holder table, whether the transfer is region-specific or being done statewide.
- (b) **Filing: Region** – Regional transfers of ownership should be maintained at the region Utilities Office. An appropriate file or data system should be maintained to track the changes in ownership of various utilities within the region.
- (c) **Filing: Statewide** – The HQ Utilities Unit maintains a file or data system of statewide transfers of ownership as well as a database that tracks the historical changes in ownership of various utilities across the state.

(7) Utility Transfer of Ownership Form

Use a Utility Transfer of Ownership (Acceptance of Assignment 224-051 EF) form when transferring ownership of utilities between entities.

130.06 Abandoned, Deactivated, or Disconnected Utilities

Discovery of abandoned, deactivated, or disconnected utilities often results in project delays during highway improvement projects or maintenance activities. There is also a safety issue when locating underground utilities near other active utility lines. Whenever possible, the first goal should be to completely remove any utility facility no longer required by the utility owner, at the owner's expense.

When utility removal is infeasible, take appropriate steps to document and secure the abandoned, deactivated, or disconnected utility's status and ownership. Maintain an accommodation document on file to document the location, ownership, and status of abandoned, deactivated, or disconnected in-place utilities. (See 120.04, Pipelines, for guidance on abandoning pipes and casings.)

Certain utilities (such as pipes or casings) that are abandoned, deactivated, or disconnected but are not removed may offer opportunities for future utility installations without the need to install additional ducting or casings. Consideration should be given to the safety of the public, the condition of the existing utility, compliance with current standards, and other issues that may be evident.

If feasible, completely remove direct buried utility company facilities such as telecommunication lines, unless the facility lies under an existing roadway or environmentally or culturally sensitive land. If WSDOT has a need for such facilities and would benefit from acquiring ownership of such, then there may be a purpose for keeping the facilities in place.

(1) Removal of Hazardous Materials

Utility facilities that may have transported hazardous materials, or any utilities composed of hazardous materials, must be considered for removal, at the owner's expense, at the time of abandonment. Removal may also be delayed until some future time, as approved by WSDOT. Avoid placing the department in a position where it may need to pay for the future cost of removal and disposal of hazardous materials or contaminants.

(2) Options

Utilities that wish to abandon, deactivate, or disconnect utilities in place and avoid removal costs may do so, but only under specific circumstances. Facilities that are abandoned, deactivated, or disconnected in place remain the property and responsibility of the utility owner unless the owner wishes to transfer ownership to WSDOT and the department agrees.

- (a) **Ownership Maintained by Utility** – Utilities that wish to keep ownership of deactivated or disconnected facilities that have been left within the operating highway right of way must maintain an accommodation document listing the facility as deactivated or disconnected.

Until abandoned, deactivated, or disconnected utilities are either removed or ownership is transferred to another organization, the utility facility remains the responsibility of the utility owner of record.

- (b) **Ownership Transferred to WSDOT** – Utilities that wish to transfer ownership of abandoned facilities to WSDOT may do so, provided the department agrees to the transfer.

Requirements for such transfers are as follows:

- WSDOT must have a clear and present need for the facility.
- The utility agrees to release all future claims to the facility.
- The transfer must be at no cost to WSDOT, as the transfer is for the convenience of the utility.

Contact the HQ Utilities Unit if transfer of ownership is being contemplated by a utility.

(3) Documentation

Ownership of abandoned, deactivated, or disconnected utilities should be documented using a new and/or existing utility accommodation document. A file should be maintained in the region as described in [100.05](#), Accommodation Documents: Management and Administration. A database record should also be maintained listing the utility as “Inactive.”

130.07 Undocumented Utility Installations

RCW 47.44

One of the primary goals of the WSDOT *Utilities Accommodation Policy* is to document location and ownership of utilities. Therefore, it is important to work in a cooperative manner with utility owners to record existing utility installations not already documented by WSDOT. When undocumented utilities are discovered, every effort should be made to work with the utility owner to properly document the existing installation. (See [130.04](#), Penalties, for repeated unauthorized installations.)

(1) Level of Notification

When informing a utility of an undocumented utility installation, it should be assumed that the utility owner desires to comply with the WSDOT *Utilities Accommodation Policy*. Generally a phone call to the utility is sufficient to begin the documentation process and remedy an undocumented installation. Occasionally, additional and more formal notification may be necessary.

- (a) **Initial Notification** – Initial notification to a utility owner should start informally with a phone call or an e-mail. Approach the utility with a collaborative attitude, as formal documentation of utility location and ownership benefits both WSDOT and the utility.

Document all contact, including date, time, contact name, and outcome of the communication with the utility.

- (b) **Additional Notification** – Additional contacts with undocumented utility owners should be progressive in nature, working toward more formal communications as time and level of cooperation from the utility dictates. This may involve additional informal communication or more formal methods (such as return receipt letters) as circumstances dictate, with the end goal of receiving formal application from the utility and subsequent utility location and ownership documentation by WSDOT.

Document all communication with the utility as discussed under [Initial Notification](#) above.

- (c) **Final Notification** – After exhausting all reasonable efforts to obtain compliance from the utility owner, WSDOT shall give final notice by Certified Mail that a franchise or permit is required or the facility must be removed. (See [130.04](#), Penalties, for additional guidance.)

(2) Existing Utilities Installed Contrary to WSDOT Policy

Existing utilities are not exempt from the *Utilities Accommodation Policy*. Documenting existing utilities should include language explaining the circumstances surrounding the installation, such as Route Jurisdiction Transfers.

- (a) **Route Jurisdiction Transfers** – Highways transferred to WSDOT from a local agency will normally include existing utilities. A reasonable effort should be made to document noncompliant utilities, safety issues, and other situations that do not meet current department standards. Future utility or WSDOT projects should correct noncompliant utilities as needed or as defined elsewhere in this manual.
- (b) **Non-Route Jurisdiction Transfers** – Existing utilities installed without prior approval that do not meet department policy should be treated on a case-by-case basis. Undocumented utilities that have been in place for a long period should be documented and, if noncompliant and there is no history of problems, reinstalled or corrected when an opportunity arises, such as during a highway or utility project.

Recently installed undocumented utilities should be handled on a case-by-case basis as well, but with greater scrutiny. If the utility meets WSDOT standards, it may be appropriate to document the installation. Utilities installed that do not meet department standards should be removed and installed correctly, or a variance should be obtained. (See 130.04, Penalties, for additional guidance.)

- (c) **Factors to Consider** – Various elements of the *Utilities Accommodation Policy* must be considered when reviewing how the undocumented utility was installed. For example, utilities must meet Control Zone requirements. If they do not, the facility must be corrected to meet the Control Zone Guidelines.

Subsurface installations must meet depth requirements. For example, if a buried cable installed within a ditch line is shallow enough to be impacted by highway maintenance operations, the utility may be instructed to bury the cable at the required minimum depth or relocate. However, if a buried cable installed near the edge of right of way does not meet depth requirements, the utility may be allowed to remain if determined reasonable by WSDOT. In all cases, document the reasoning and justification for the approval as with any variance justification.

Use individual judgment to determine the best course of action for each situation based on the contents of this manual and its references.

(3) Fees and Cost Recovery

All fees and cost recovery efforts apply to the documentation of existing undocumented utility installations.

WAC 468-34-020(1)

130.08 Turnback Areas and Construction Permits

The types of utility accommodation conditions that require coordination with local agencies are:

- Construction permits
- Turnback areas

Each of these types of construction conditions involves similar coordination efforts with local agencies to ensure the local agency will accept ownership of the utility installation after completion of construction. Because of ownership issues, both types of utility accommodation situations must be treated differently.

(1) Construction Permits

Construction permits are used when a highway project will affect existing local agency right of way. The permit is a temporary right of entry to construct highway improvements. WSDOT has no property rights or utility accommodation approval authority within construction permit areas.

(2) Turnback Areas

Turnback areas are new or existing rights of way belonging to WSDOT that are planned to be transferred to a local agency once highway construction is complete. The department, as fee title owner, has utility accommodation approval and oversight authority for these areas until title to the area is transferred to the local agency. However, to help ensure acceptance of turnback areas after highway construction, any utility installations within the area should be coordinated with the local agency.

Utility accommodation applications located within turnback areas or construction permit areas should be treated differently than utility accommodations within other areas of highway operating right of way, as defined in this section.

- (a) **Coordination With Local Agency** – In all cases, the local agency has an interest in the location and installation of utilities within turnback areas or construction permit areas that are temporarily managed by WSDOT. Approval of all utility accommodation applications within these areas should be coordinated with the local agency, as well as the project construction office administering the project, to avoid construction conflicts between the utility installation and highway construction efforts.

(3) Turnback Process

To ensure turnback areas involving utility accommodation or relocations are accepted by local agencies at the end of the process, every effort should be made to include them in utility accommodation. Refer to the [Agreements Manual](#) for detailed information on the turnback process.

- (a) **Initial Meeting** – An initial meeting should be held to discuss turnback issues.

WSDOT functional areas should include Maintenance, Local Programs, Utilities, Traffic, and others as warranted. Utility owners should also be included in the meetings.

Utility accommodation items that should be considered for discussion in the meeting include:

- Inform the local agency of any utilities that will be turned back to them after the project is complete.
- Discuss local agency utility accommodation standards and ensure utilities are installed or relocated accordingly.
- Review any terms the local agency may want to have included in the accommodation document, such as any Special Provisions, termination clauses, or other language.
- Manage documentation transfer (hard copy or electronic information).

This process will help ensure the local agency will accept any turnback areas that include utilities.

- (b) **Turnback Agreement Language** – Ensure any project Turnback Agreements include a discussion of utilities to be turned over to the local agency.

- (c) **Approval** – WSDOT approval of accommodation documents within turnback areas should not be granted until the local agency has provided written concurrence of the installation.
- (d) **Turnback Area: Transfer to Local Agency** – Approved accommodation documents for utility installations within turnback areas must be sent to the local agency after transfer of ownership. Prior to transfer, the local agency may ask for informational copies of approved accommodation documents. These should be provided if requested.

The region should consider maintaining informational copies of transferred accommodation documents after the transfer is completed. Informational copies may be necessary in the future because of claims issues, future highway projects, or other situations.

(4) Construction Permit Areas

- (a) **Construction Permit Area: Utility Accommodation Jurisdiction** – The local agency retains jurisdiction for the processing and approval of accommodation documents within construction permit areas. Approval of proposed utility installations within construction permit areas is the responsibility of the local agency.
- (b) **Construction Coordination** – Because of construction coordination issues, WSDOT has a vested interest in reviewing and concurring with the proposed utility installation if it affects the department’s construction project. The region Utilities Office should work with the local agency to ensure the proposed utility installation is coordinated with the highway project.
- (c) **Postconstruction** – For postconstruction installations where roadway construction is substantially complete but the construction permit remains in effect, the requesting utility should be referred to the local agency for processing and approval of the proposed installation.
- (d) **Approval** – Approval is provided by the local agency.

130.09 Compliance Reviews

In order to reasonably ensure regions are administering the *Utilities Accommodation Policy* consistently statewide and within the guidance provided in this manual, Compliance Reviews will be conducted. The HQ Utilities Unit will review each region’s utility permit and franchise approval process at least biannually. The review will involve a representative sample of the regions’ approved permits and franchises, as determined by the HQ Utilities Unit.

(1) Compliance Review Areas

The following accommodation areas will be reviewed for compliance with this manual and the *Utilities Accommodation Policy*:

- Approval authority
- Application requirements
- Variances from WSDOT policy
- Justification procedures for variances

(2) Compliance Review Findings

Findings of inconsistent or procedural deficiencies will be discussed with the region. The HQ Utilities Unit and the Region Utilities Engineer will develop a cooperative solution to the findings of the Compliance Review. Any identified improvements relative to processes or standards will be shared with other regions for consideration and possible revision to policy or guidance.

- 900.01 General
- 900.02 Clear Zone vs. Control Zone
- 900.03 Control Zone Objective
- 900.04 Definitions
- 900.05 Application
- 900.06 Control Zone Distance
- 900.07 Recovery Area
- 900.08 Supplemental Utility Design Information
- 900.09 Project Applications
- 900.10 Completing the Utility Object Relocation Record
- 900.11 Variance
- 900.12 Variance Request for Location I Objects
- 900.13 Variance Request for Location II Objects

900.01 General

Washington State's Strategic Highway Safety Plan (SHSP) establishes strategies to reduce traffic fatalities and serious injuries along state highways, and identifies utility objects, specifically utility poles, as significant roadside hazards. This chapter addresses the objective of eliminating utility object collisions in accordance with the SHSP and provides guidance on the placement of aboveground utilities within Washington State Department of Transportation (WSDOT) highway rights of way. Further information regarding the SHSP can be found at: <http://targetzero.com/pdf/targetzeroplan.pdf>

900.02 Clear Zone vs. Control Zone

Clear Zone is defined in the WSDOT *Design Manual* as “The total roadside border area, available for use by errant vehicles, starting at the edge of the traveled way and oriented from the outside or inside shoulder (in median applications) as applicable...”

From a technical standpoint, Control Zone and Clear Zone are synonymous in that the criteria and methodology used to calculate the two are identical. The distinction is one of policy in applying measures to achieve compliance. The differing policies are based on the recognition that accommodation of utility facilities within the state highway right of way is in the public interest when such use and occupancy do not adversely affect highway operations or safety. Control Zone Policy recognizes that practicable options for utility accommodation are sometimes limited to the right of way under WSDOT's control and allows for certain measures, including variance approvals of utility objects, with due consideration for the safety of highway users.

It is critical for WSDOT staff to work cooperatively with the utilities in implementing these guidelines during both accommodation and project delivery coordination, including helping utilities to understand the methodologies involved with Control Zone calculation and ensuring any necessary corrective action or other remedies specified in this chapter are implemented.

900.03 Control Zone Objective

The primary objective under WSDOT's Control Zone Policy is for all utility objects to be located outside of the Control Zone.

It is not always possible for utilities to achieve this objective for reasons that include physical/topographic limitations and unjustifiably high costs associated with relocating or undergrounding lines. Because of this, Control Zone Policy allows for authorizing variances for individual utility objects when justification can be demonstrated. These processes and criteria are described in [900.11](#).

900.04 Definitions

See [Appendix A](#), Glossary.

900.05 Application

All new utility objects will be constructed outside the Control Zone unless a variance is authorized. In addition, utilities will be required to relocate or mitigate existing objects within the Control Zone by addressing existing objects during WSDOT highway projects, utility reconstruction, and Franchise Renewal/Consolidation, or if the department determines that any existing objects must be relocated or mitigated for the safety of highway users.

(1) Utility Construction or Reconstruction

During utility construction or reconstruction, the utility will locate or relocate all utility objects to outside the Control Zone unless they are classified as Location III Objects or a variance is granted.

(2) Highway Improvement Projects

During the planning phase of state highway improvement projects, WSDOT will inform the utility that it is required to adjust utility objects that, either prior to or as the result of the project, are located in the Control Zone. For WSDOT highway safety projects (such as I2 projects), additional relocation or mitigation for objects outside the Control Zone may be necessary. In these cases, WSDOT will work with the utilities and adjoining property owners to determine available options and coordinate any necessary corrective action.

WSDOT will notify the utilities of upcoming highway improvement projects as early as possible. During the project development phase, the utility will be advised of the scheduled project advertising date and of those utility objects requiring relocation.

(3) Franchise Renewal and Consolidation

Prior to renewal or consolidation of franchises that include aboveground utility objects, the utility shall identify all Location I and Location II Objects within the proposed Franchise Renewal or Consolidation and submit a Corrective Action Plan and schedule of relocation, reclassification, or countermeasures for WSDOT review and approval. It is expected that a utility company will budget resources to accomplish the work necessary to renew franchise documents, including bringing its facilities in compliance with Control Zone requirements.

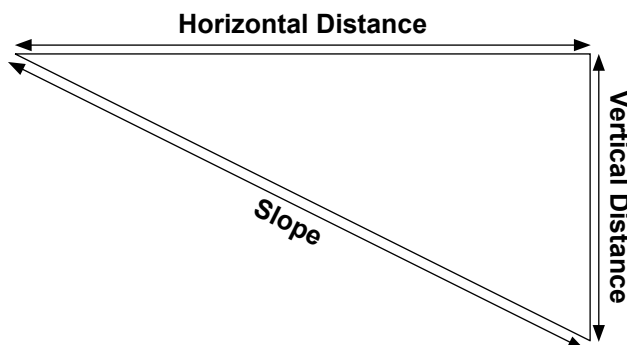
900.06 Control Zone Distance

The Control Zone distance for any particular highway segment varies according to the posted speed, traffic volumes, and sideslopes of the highway. This section contains methods and supporting information on determining the Control Zone distance for a particular location along the highway, including:

- General guidance for determining Control Zone distance.
- Different methods of Control Zone calculation and examples applicable to various highway geometric conditions (Conditions 1 through 6).
- Clear Zone Distance Table (see [Figure 900-9](#)) to be utilized in Control Zone calculation.
- Recovery Area Formula for use with Conditions 4 and 6.

(1) General Guidance for Determining Control Zone Distance

- All distances are measured from the edge of the through lane, extending outward perpendicular to the traveled way.
- Roadside is the distance measured from the edge of the through lane to the beginning of the backslope, as in Conditions 2, 3, and 4, and from the edge of the through lane to the toe of the slope, as in Condition 6.
- Slope ratios are expressed, in feet, as 3H:1V, 4H:1V, 5H:1V. The first number represents the horizontal distance and the second represents the vertical distance (see [Figure 900-1](#)).



Slope Ratio
Figure 900-1

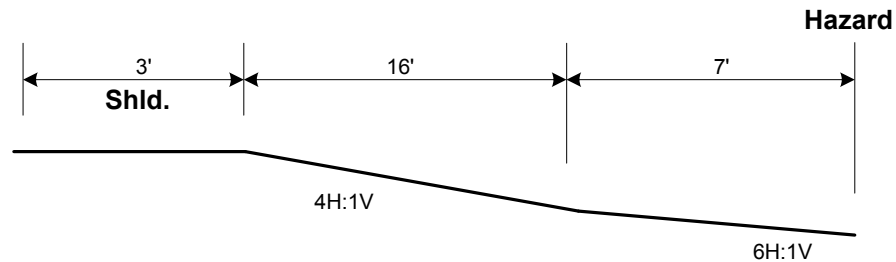
- For fill sections where the sideslope area includes multiple slope ratios of 4H:1V or flatter (Condition 5), the applicable slope ratio should be determined based on averaging the slope ratios according to the following method:

Slope Averaging

1. $A1/A2 + B1/B2 = C$
2. $\text{Slope Average} = \frac{A1+B1}{C}$

Where:

- A1 = width of the first slope section, measured from the beginning of the sideslope to the beginning of the next slope section
- A2 = horizontal value in the slope ratio corresponding with A1
- B1 = width of the next slope section, measured from the beginning of the section to the face of utility object
- B2 = horizontal value in the slope ratio corresponding with B1

Example:**Slope Averaging***Figure 900-2*

$$A1 = 16, A2 = 4, B1 = 7, B2 = 6$$

$$1. \quad 16/4 + 7/6 = 4 + 1.17 = 5.17$$

$$2. \quad 23/5.17 = 4.45 \text{ Average slope} = 4:1$$

- The Recovery Area Formula (see [900.07](#)) is normally used when the cut section foreslope (Condition 4) or the fill section sideslope (Condition 6) is steeper than 4H:1V, but not steeper than 3H:1V. When using the Recovery Area Formula to calculate the Clear Zone, if the highway section includes a ditch, slope data for the backslope must also be collected and factored into the formula.
- When auxiliary lanes for parking, vehicle pull-out, turning, or storage are present, the Control Zone begins at the edge of the through lane. When the Recovery Area Formula is used, the shoulder width distance will include these auxiliary lane widths.
- For managed access city streets that are part of state highways, cities may adopt Control Zone standards that vary from the requirements of this chapter (see [RCW 47.24.020](#)).

(2) Determining the Control Zone Distance for Various Highway Geometric Conditions

Control Zone distance at a particular location is determined using the following methods. Choose one of the six Conditions with matching highway section characteristics and follow the listed steps and instructions. The table referred to in this section is the Clear Zone Distance Table (see [Figure 900-9](#)).

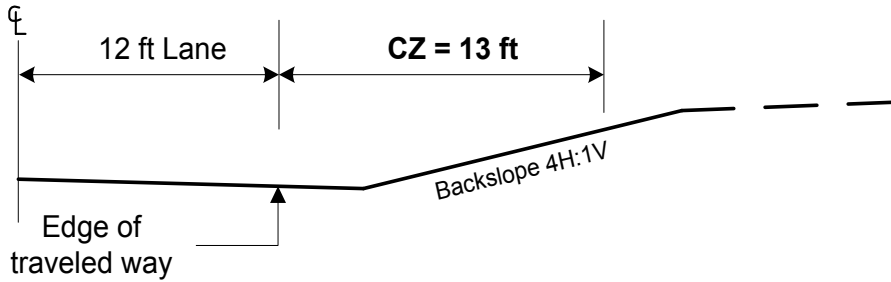
(3) Cut Sections: Conditions 1, 2, 3, and 4**(a) Cut Section: Condition 1**

- No ditch
- Backslopes of 3H:1V or flatter

The Control Zone is read directly from the table based on posted speed, average daily traffic (ADT), and backslope.

- Step 1:** Locate posted speed
Step 2: Locate ADT
Step 3: Locate backslope
Step 4: Read CZ directly from table

Example:



- Step 1: Speed is 45 mph
 - Step 2: Traffic is 1900 ADT
 - Step 3: Backslope is 4H:1V
 - Step 4: Read 13 feet directly from table
- Control Zone = 13 feet

Control Zone Cut Section: Condition 1
Figure 900-3

(b) Cut Section: Condition 2

- Ditch foreslopes of 4H:1V or flatter
- For all backslopes, use 10H:1V cut section in calculations

The Control Zone distance is the greater of:

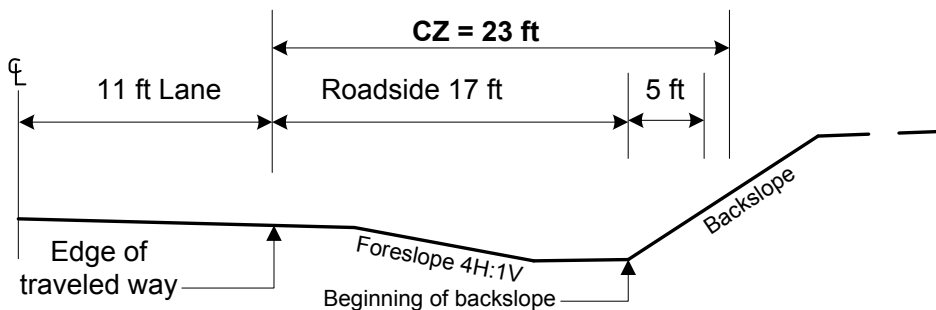
1. Read directly from the table based on posted speed, average daily traffic (ADT), and a backslope of 10H:1V.

- Step 1:** Locate posted speed
- Step 2:** Locate ADT
- Step 3:** Use backslope of 10H:1V
- Step 4:** Read directly from table

2. Five feet beyond the roadside width.

- Step 1:** Locate roadside width
- Step 2:** Add 5 feet to the roadside width

Example:



1. Step 1: Speed is 55 mph
 Step 2: Traffic is 4200 ADT
 Step 3: Foreslope 4H:1V or flatter: use a backslope of 10H:1V (from table)
 Step 4: Read 23 feet directly from table
2. Step 1: Roadside width is 17 feet
 Step 2: 17 feet plus 5 feet = 22 feet

Solution = Greater of: 1. = 23 feet or 2. = 22 feet
 Control Zone = 23 feet

Control Zone Cut Section: Condition 2
Figure 900-4

(c) Cut Section: Condition 3

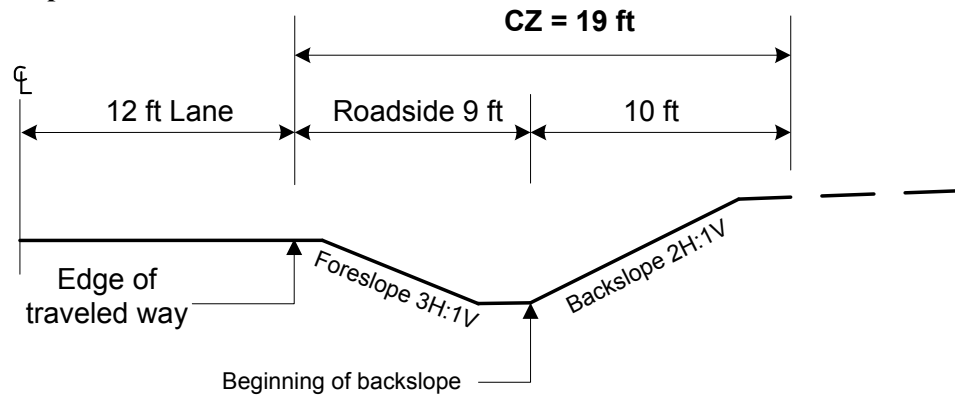
- Ditch foreslope is steeper than 4H:1V
- Ditch backslope is steeper than 3H:1V

The Control Zone distance is established at 10 feet beyond the beginning of backslope (roadside width).

Step 1: Locate roadside width

Step 2: Add 10 feet to the beginning of backslope (roadside width)

Example:



Step 1: Roadside width is 9 feet

Step 2: 9 feet plus 10 feet = 19 feet

Control Zone = 19 feet

Control Zone Cut Section: Condition 3

Figure 900-5

(d) Cut Section: Condition 4

- Ditch foreslope is steeper than 4H:1V, but not steeper than 3H:1V*
- Ditch backslope is 3H:1V or flatter

*Note: For steeper slopes, the Recovery Area Formula may be used as a guide if the difference in elevation between the edge of travelled way and bottom of ditch is 10 feet or less.

The Control Zone distance is the recovery area calculated using the Recovery Area Formula (see [900.07](#)).

Step 1: Locate posted speed

Step 2: Locate ADT

Step 3: Locate backslope

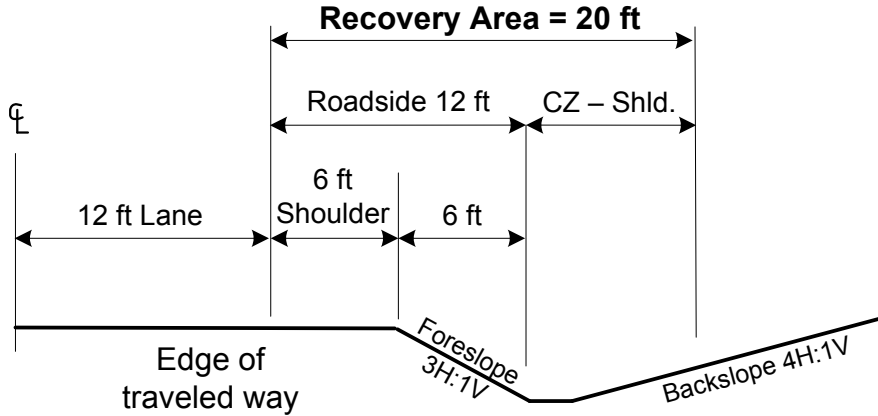
Step 4: Read CZ distance from table

Step 5: Locate roadside width

Step 6: Locate shoulder width

Step 7: Use Recovery Area Formula

Example:



- Step 1: Speed is 40 mph
 - Step 2: Traffic is 3000 ADT
 - Step 3: Backslope is 4H:1V
 - Step 4: Read from table, CZ is 14 feet
 - Step 5: Roadside width is 12 feet (6-foot shoulder + 6-foot horizontal distance)
 - Step 6: Shoulder width is 6 feet
 - Step 7: (12 feet) + (14 feet – 6 feet) = 20 feet
- Control Zone = 20 feet**

Control Zone Cut Section: Condition 4
Figure 900-6

(4) Fill Section: Conditions 5 and 6

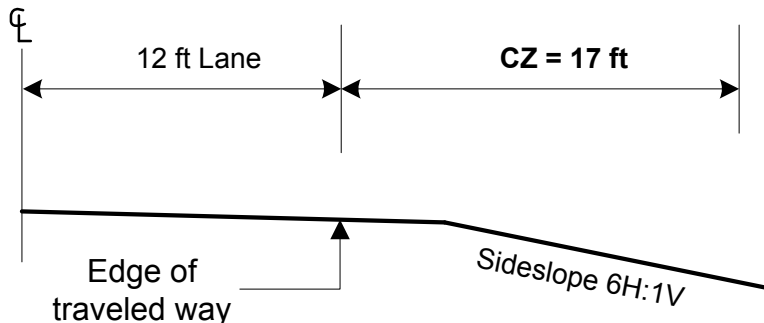
(a) Fill Section: Condition 5

- Sideslope is 4H:1V or flatter

The Control Zone distance is read directly from the table based on posted speed, sideslope, and average daily traffic (ADT).

- Step 1:** Locate posted speed
- Step 2:** Locate ADT
- Step 3:** Locate sideslope (use slope averaging formula; see [900.06\(1\)](#) when sideslope ratio varies)
- Step 4:** Read CZ directly from table

Example:



- Step 1: Speed is 50 mph
 - Step 2: Traffic is 320 ADT
 - Step 3: Sideslope is 6H:1V
 - Step 4: Read 17 feet directly from table
- Control Zone = 17 feet**

Control Zone Fill Section: Condition 5
Figure 900-7

(b) Fill Section: Condition 6

- Sideslope is 3H:1V or steeper*

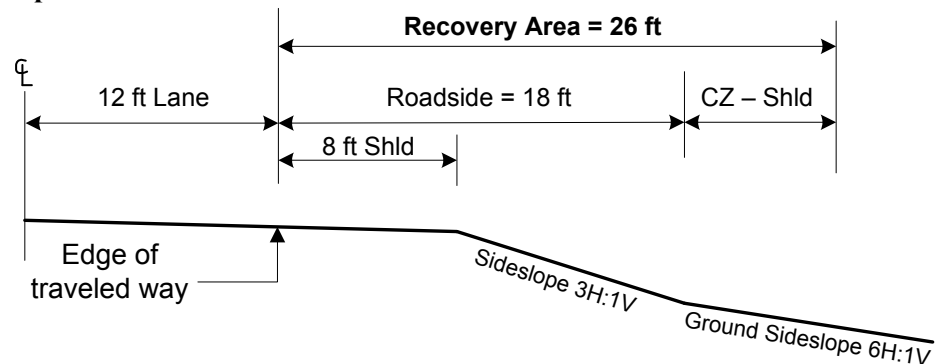
The Control Zone distance is the recovery area, calculated using the Recovery Area Formula (see 900.07).

*Note: Recovery Area Formula normally applies to slopes steeper than 4H:1V, but not steeper than 3H:1V. For steeper slopes, the Recovery Area Formula may be used as a guide if the embankment height is 10 feet or less.

For installations where the sideslope is steeper than 3H:1V and the fill height is greater than 10 feet, consult Figure 900-16, Guidelines for Embankment Barrier. If embankment barrier is not recommended, Control Zone is the Recovery Area.

Recovery Area = shoulder width + horizontal nonrecoverable sideslope distance (roadside width) + (Control Zone distance from table – shoulder width)

- Step 1:** Locate posted speed
Step 2: Locate ADT
Step 3: Locate existing ground sideslope
Step 4: Read CZ distance from table
Step 5: Locate roadside width
Step 6: Locate shoulder width
Step 7: Use Recovery Area Formula

Example:

- Step 1: Speed is 40 mph
 Step 2: Traffic is 3000 ADT
 Step 3: Existing ground sideslope is 6H:1V
 Step 4: Read from table, CZ is 16 feet
 Step 5: Roadside width is 18 feet
 Step 6: Shoulder width is 8 feet
 Step 7: (18 feet) + (16 feet – 8 feet shld) = 26 feet

Control Zone = 26 feet

Note: For positive (+) ground sideslopes, use Condition 3 or 4.

Control Zone Fill Section: Condition 6

Figure 900-8

Clear Zone Distances for State Highways Outside Incorporated Cities*
(In feet, from edge of traveled way**)

Posted Speed mph	Average Daily Traffic	Cut Section (Backslope) (H:V)						Fill Section (H:V)					
		3:1	4:1	5:1	6:1	8:1	10:1	3:1	4:1	5:1	6:1	8:1	10:1
35 or Less		The Control Zone distance is 10 feet											
40	Under 250	10	10	10	10	10	10	***	13	12	11	11	10
	251-800	11	11	11	11	11	11	***	14	14	13	12	11
	801-2000	12	12	12	12	12	12	***	16	15	14	13	12
	2001-6000	14	14	14	14	14	14	***	17	17	16	15	14
	Over 6000	15	15	15	15	15	15	***	19	18	17	16	15
45	Under 250	11	11	11	11	11	11	***	16	14	13	12	11
	251-800	12	12	13	13	13	13	***	18	16	14	14	13
	801-2000	13	13	14	14	14	14	***	20	17	16	15	14
	2001-6000	15	15	16	16	16	16	***	22	19	17	17	16
	Over 6000	16	16	17	17	17	17	***	24	21	19	18	17
50	Under 250	11	12	13	13	13	13	***	19	16	15	13	13
	251-800	13	14	14	15	15	15	***	22	18	17	15	15
	801-2000	14	15	16	17	17	17	***	24	20	18	17	17
	2001-6000	16	17	17	18	18	18	***	27	22	20	18	18
	Over 6000	17	18	19	20	20	20	***	29	24	22	20	20
55	Under 250	12	14	15	16	16	17	***	25	21	19	17	17
	251-800	14	16	17	18	18	19	***	28	23	21	20	19
	801-2000	15	17	19	20	20	21	***	31	26	23	22	21
	2001-6000	17	19	21	22	22	23	***	34	29	26	24	23
	Over 6000	18	21	23	24	24	25	***	37	31	28	26	25
60	Under 250	13	16	17	18	19	19	***	30	25	23	21	20
	251-800	15	18	20	20	21	22	***	34	28	26	23	23
	801-2000	17	20	22	22	23	24	***	37	31	28	26	25
	2001-6000	18	22	24	25	26	27	***	41	34	31	29	28
	Over 6000	20	24	26	27	28	29	***	45	37	34	31	30
65	Under 250	15	18	19	20	21	21	***	33	27	25	23	22
	251-800	17	20	22	22	24	24	***	38	31	29	26	25
	801-2000	19	22	24	25	26	27	***	41	34	31	29	28
	2001-6000	20	25	27	27	29	30	***	46	37	35	32	31
	Over 6000	22	27	29	30	31	32	***	50	41	38	34	33
70	Under 250	16	19	21	21	23	23	***	36	29	27	25	24
	251-800	18	22	23	24	26	26	***	41	33	31	28	27
	801-2000	20	24	26	27	28	29	***	45	37	34	31	30
	2001-6000	22	27	29	29	31	32	***	50	40	38	34	33
	Over 6000	24	29	31	32	34	35	***	54	44	41	37	36

*This figure also applies to limited access state highways in cities and median areas on managed access state highways in cities. (See the [Design Manual](#) for guidance on managed access state highways within incorporated cities.)

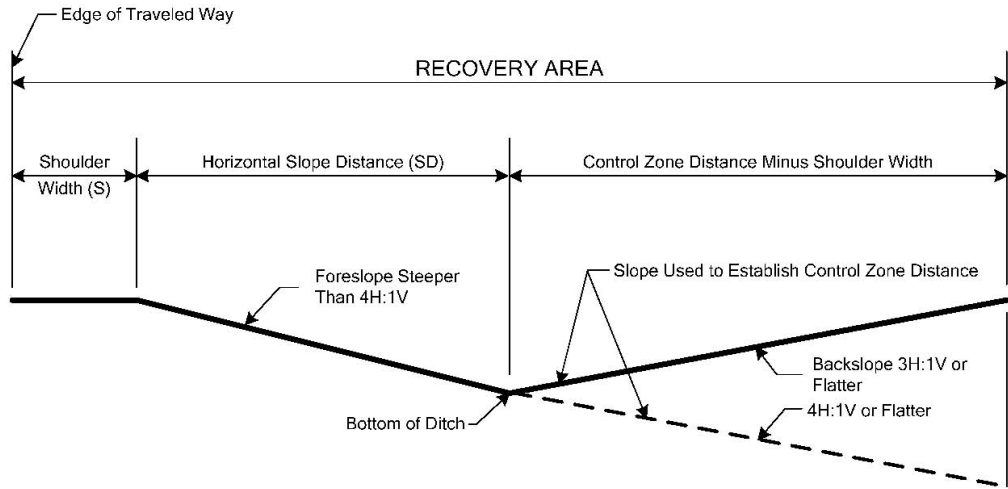
**Traveled way: The portion of the roadway intended for the movement of vehicles, exclusive of shoulders and lanes for parking, turning, and storage for turning.

***When the fill section slope is steeper than 4H:1V, but not steeper than 3H:1V, the Control Zone distance is modified by the Recovery Area Formula and is referred to as the recovery area. The basic philosophy behind the Recovery Area Formula is that a vehicle can traverse these slopes but cannot recover (control steering); therefore, the horizontal distance of these slopes is added to the Control Zone distance to form the recovery area.

Clear Zone Distance Table
Figure 900-9

900.07 Recovery Area

Note: [Figure 900-10](#) clarifies the Recovery Area Formula.



Formula:
 Recovery Area =
 (shoulder width) + (horizontal distance) + (Control Zone distance – shoulder width)

Recovery Area
 Figure 900-10

Example

Fill Section (Slope 3H:1V or Steeper)	
Conditions	Speed – 45 mph Traffic – 3000 ADT Slope – 3H:1V
Criteria	Slope 3H:1V – Use Recovery Area Formula
RECOVERY AREA = 29 ft	
Recovery Area = (shoulder width) + (horizontal distance) + (Control Zone distance – shoulder width)	
29 feet =	8 + 12 + (17 – 8)

Recovery Area Calculation
 Figure 900-11

900.08 Supplemental Utility Design Information

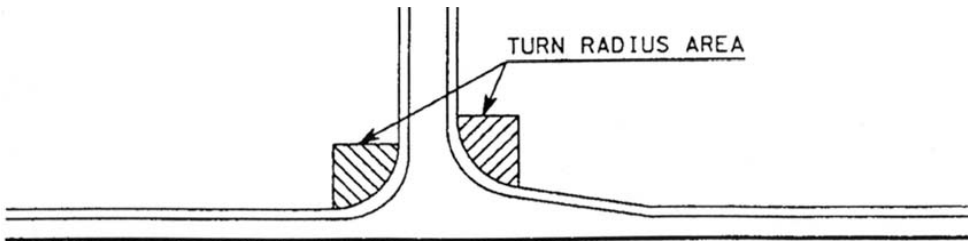
The following items are provided as a guide to the utility industry for consideration during design and maintenance of its facilities.

(1) Horizontal Curves

If it is not necessary, do not place utility objects on the outside of horizontal curves.

(2) Public Grade Intersections

When possible, design the facility placing utility objects outside the turn radius area of public grade intersections (see [Figure 900-12](#)). If this is not possible, the facility should, at a minimum, be placed outside the Control Zone in relation to the state highway. If the intersecting road is a local agency roadway with a stop condition at the state highway intersection, the facility must be placed at least 10 feet from the edge of the travelled way for the portion of the local agency roadway leg within WSDOT ownership. If WSDOT ownership of the local agency roadway leg exceeds more than 250 feet back from the stop bar at the highway intersection, contact the HQ Utilities Unit for additional guidance. Applicable local agency standards shall apply outside of WSDOT-owned right of way.



Intersection Radius Area

Figure 900-12

(3) Placement of Utility Objects Behind Barriers

Do not place objects within the deflection distance of any barrier used.

(4) Service Poles

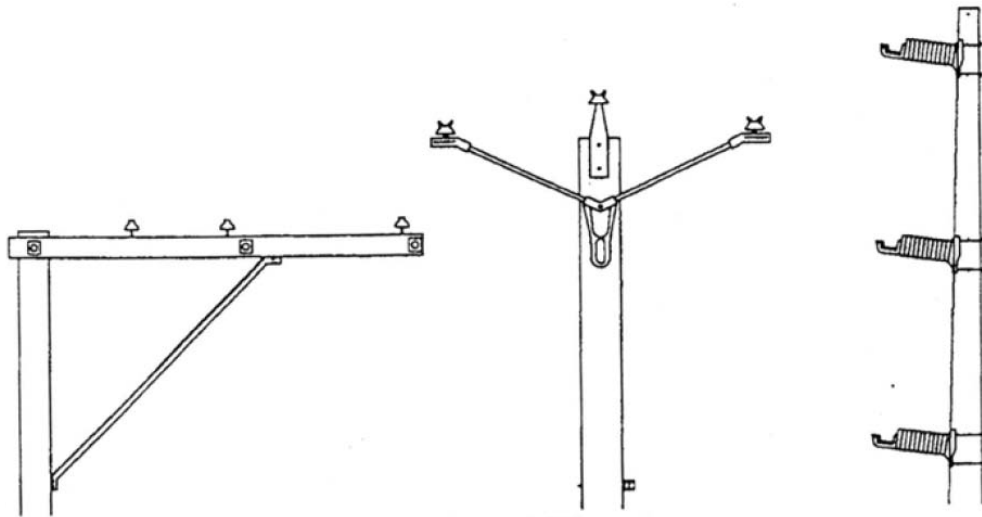
Place service poles on owners' property, not state right of way. Consideration should be given to placing the service pole as far as possible from the highway right of way—at a minimum, outside the Control Zone.

(5) Pole Design

When Control Zone requirements within the highway right of way are tight, consideration should be given to alternative pole designs that may allow construction at or close to the right of way line (see [Figure 900-13](#)).

(6) Guy Poles/Wires

Guy poles and/or wires are not to be installed between the pole line and highway lanes unless the guy pole/wire is outside the Control Zone. Guy and anchor wires are considered hazard objects.

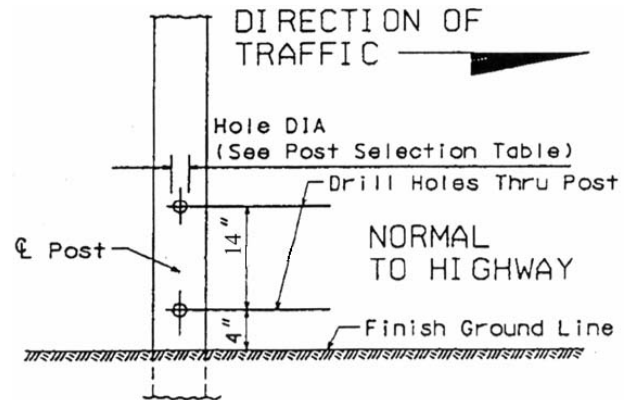


Alternative Pole Designs
Figure 900-13

(7) Utility Location Markers

Markers used to identify or protect utility facilities, such as a telephone pedestal, may not be larger than a 4 × 4 (16 sq. inches) wood post unless drilled to accommodate breakaway. Solid markers, such as concrete, may not be used. Telephone pedestals that meet the breakaway criteria are acceptable within the Control Zone.

Post Size	Hole DIA
4 × 4	—
4 × 6	1½ inch
6 × 6	2 inch
6 × 8	3 inch



Note: Posts that are larger than 6 × 8 require barrier protection when located within the Control Zone.
(See the [Standard Plans](#) for further guidance.)

Wood Post Breakaway Details
Figure 900-14

900.09 Project Applications

(1) New Utility Facility Construction

- (a) The utility constructs a new line or extends an existing line within highway right of way.
1. New utility objects will be constructed outside of the Control Zone unless a variance is approved.
 2. The utility will submit to WSDOT the following data if applicable:
 - Franchise/Franchise Amendment/Permit applications.
 - Mitigation proposals for existing objects, if applicable, including plans.
 - Submittals supporting variance, if applicable, as specified in [900.11](#).
 - A completed copy of the Utility Object Relocation Record listing new utility objects.

(2) Existing Utility Reconstruction

- (a) The utility replaces twenty-five percent (25%) or more of the existing poles or towers within any mile. Periodic pole or tower replacement is not included.
1. Utility objects will be relocated outside of the Control Zone unless a variance is approved.
 2. The utility will submit to WSDOT the following data if applicable:
 - Franchise Amendment/Permit applications.
 - Mitigation proposals for existing objects, including plans.
 - Submittals supporting variance, as specified in [900.11](#).
 - A copy of the completed Utility Object Relocation Record.

(3) Utility Relocation Required by WSDOT Improvement Projects

- (a) Conditions: WSDOT may address individual safety items.
1. WSDOT will conduct an accident analysis to determine spot safety improvement needs.
 2. Any individual Location I or Location II Objects that demonstrate a need for adjustment will be relocated outside of the Control Zone or mitigated (see [900.03](#)) in conjunction with the project.
 3. No consideration for variance will be given until all alternative measures have been investigated and determined not feasible.
 4. At the time the project preliminary estimate is prepared, WSDOT will notify the utility of the project and request that the utility commit to a course of action.
 5. The utility will submit to WSDOT the following data if applicable:
 - Franchise/Franchise Amendment/Permit applications.
 - Mitigation proposals for existing objects, if applicable, including plans.
 - Submittals supporting variance, if applicable (see [900.11](#)).
 - A copy of the completed Utility Object Relocation Record.

(b) Conditions: WSDOT addresses safety items.

1. The utility will adjust all identified Objects to comply with Control Zone requirements.
2. No consideration of variance will be given until all alternative measures have been investigated and determined not feasible.
3. At the time the project preliminary estimate is approved, WSDOT will notify the utility of the project scope and the Location I Object and Location II Object responsibility.
4. When the project Design Summary is completed, WSDOT will request that the utility adjust all Location I Objects and selected Location II Objects.
5. The utility will submit to WSDOT the following data if applicable:
 - Franchise Amendment/Permit applications.
 - Mitigation proposals for existing objects, if applicable, including plans.
 - Submittals supporting variance, if applicable (see [900.11](#)).
 - A copy of the completed Utility Object Relocation Record.

900.10 Completing the Utility Object Relocation Record

A completed Utility Object Relocation Record (see [Appendix B](#)) form shall accompany any utility submittals to WSDOT as part of a Franchise or Permit Amendment, Franchise Renewal/Consolidation, or highway project-related relocation coordination when objects exist or are proposed to be in Location I or II. Following is the information needed on the form.

(1) Form Headings

Enter the utility owner and location and other identification information on the top left side of the form.

Enter the milepost limits beside the proper type of construction on the top right side of the form.

(2) Existing Object Information

Identify the utility object by entering the milepost, pole or object number, location left or right of highway centerline (left or right is determined facing the increasing highway milepost), type of object (i.e., transmission, guy), and whether it is owned, jointly owned, or leased.

(3) Roadway Data

The speed, average daily traffic (ADT), and the right of way width from centerline can be obtained from the Region Utilities Office. Also, ADTs can be found in the Annual Traffic Report and highway speed in the State Highway Log. These can be obtained at the [Transportation Data and GIS Office](#) website:

www.wsdot.wa.gov/mapsdata/tdgo_home.htm

(4) Field Measurements

Enter the slope and distance measurements required to calculate the Control Zone distances (see [900.06](#)).

(5) Control Zone Calculations

From the Control Zone Distance section (see [900.06](#)):

- Enter the Condition number that was used to calculate the Control Zone distance.
- Enter the calculated Control Zone distance.
- Enter whether the object is Location I or Location II.

Notice that the Location III Objects do not need to be entered on the form.

(6) Planned Object Correction

This section is used by the utility to record, on the Utility Object Relocation Record form (see [Appendix B](#)), its decision on how the utility object will be corrected.

- For utility objects that will be relocated outside the Control Zone, (see [900.03](#)), mark the relocated distance in the Reloc. Dist column.
- For utility objects that will be corrected with the use of an alternative measure, mark the Alternate Measure column.
- If mitigation is the alternative measure chosen, justification for the use of mitigation and a plan showing proposed mitigation are required for WSDOT review and approval.
- For individual utility Location I Objects that cannot be relocated outside the Control Zone or corrected with the use of an alternative measure, and for which a variance will be requested, mark the LOC I VAR. column.
- To be considered for a variance, the utility must submit to WSDOT a request for a variance together with the required justification (see [120.14](#)).

For individual utility Location II Objects that cannot be relocated outside the Control Zone or corrected with the use of an alternative measure and for which a variance will be requested, mark the “LOC II Variance” column.

900.11 Variance

WSDOT recognizes that conditions may arise that make it impracticable to comply with Control Zone requirements. Variances from such compliance may be allowed on a case-by-case basis when clearly justified, as specified in the following sections.

Examples of conditions rendering compliance impracticable include:

- Inadequate right of way to accommodate utility objects outside the Control Zone.
- Physical limitations due to terrain or topography.
- Unjustifiably high costs to relocate or underground the utility facility.

(1) Utility Object Location Category Reference

(a) Location I Utility Objects

Fixed utility objects located within the Control Zone in the following areas:

- The outside of horizontal curves where advisory speeds for the curve are 15 mph or more below the posted speed limit of that section of highway.
- Within the turn radius area of public road grade intersections.

- Where a barrier, embankment, rock outcropping, ditch, or other roadside feature is likely to direct a vehicle into a utility object.
- Closer than 5 feet horizontal beyond the edge of the usable shoulder.

(b) Location II Utility Objects

Fixed utility objects located within the Control Zone that are not classified as Location I or Location III Objects.

(c) Location III Utility Objects

Fixed utility objects that are:

- Located outside the Control Zone.
- Within the Control Zone and mitigated by an alternate countermeasure consistent with the state's *Utilities Accommodation Policy*.

900.12 Variance Request for Location I Objects

Compliance with the WSDOT Control Zone Policy requires adjustment of all Location I Objects outside of the Control Zone. Exceptions may be granted only after an independent analysis and recommendation is completed by a WSDOT review team, including the Region and HQ Utilities Engineers, in consultation with WSDOT subject matter experts as appropriate for the location. Reviews for this purpose will consider relevant highway operational and geometric factors, accident history, and assessment of possible mitigation strategies. Exceptions will be allowed only if it is determined, at the department's discretion, that no reasonable alternative measures are available, with safety being the primary consideration. These requests will be assessed on a case-by-case basis, and will require specific information and documentation from the utility as determined by the review team. Documentation for the review team's investigation and recommendations should be included in the franchise or permit file.

The Utility will be required to complete a Control Zone Variance Request – Justification Questionnaire to initiate any requests for Location 1 variances. The Region Utilities Engineer will determine any additional information necessary to complete Location I variance requests after review of the Questionnaire.

900.13 Variance Request for Location II Objects

The primary objective for Location II Objects is to relocate them outside of the Control Zone. If achieving this objective is not possible or practicable, the Region Utilities Engineer may authorize variance requests for Location II Objects based on the justification criteria described below.

There are two categories of Location II Objects addressed in this section:

- Location II Objects that have no recorded accident history and are not located within an area of concentrated utility object crashes; and
- Location II Objects that do have recorded accident history, are located within an area of concentrated utility object crashes, or are otherwise determined by WSDOT to be appropriate for additional justification, as specified for this category of objects.

(1) Location II Objects With No Accident History

The following covers Location II Objects that have no accident history and are not located within an area of concentrated utility object crashes.

The Utility will be required to complete a Control Zone Variance Request – Justification Questionnaire to initiate any requests for Location II variances, or to use the Roadside Safety Analysis Program (RSAP) to support the justification.

For this category of Location II Objects, Control Zone Variance Request Justification may be substituted with an analysis of alternative mitigation strategies using the RSAP, described below, to support selection of the most effective mitigation strategy.

Alternative mitigation strategies include:

1. Placing the utility line underground.
2. Reducing the number of utility objects through joint use, increasing span lengths, and/or placing utility objects on only one side of the road.
3. Increasing the lateral offset of utility objects from the edge of the traveled way to the extent possible.
4. Locating the object within an inaccessible area such as toward the top or on the top of cut slopes.
5. Installing protective devices such as guardrail, berms, traffic barriers, or impact attenuators. (Refer to [Design Manual Chapter 1600](#) for Guidelines for Embankment Barrier).
6. Using a breakaway design.
7. Other location-specific measures that may be evident or identified by WSDOT.

RSAP analysis can support justification for a particular alternative; however, it is not necessarily the deciding factor in WSDOT's review. Objects subject to RSAP analysis will be independently reviewed by the Region Utilities Engineer to identify (1) any unique location characteristics that should be more closely considered beyond the minimum required justification, and/or (2) opportunities for mitigation measures not considered in the application.

(2) Location II Objects With Accident History

The following covers Location II Objects with accident history, that are located within an area of concentrated utility object crashes, or that are determined by WSDOT to be appropriate for additional justification.

A completed Control Zone Variance Request – Justification Questionnaire should be submitted to initiate any requests for Location II variances.

(3) Roadside Safety Analysis Program

The Roadside Safety Analysis Program (RSAP) is a benefit/cost analysis program developed under NCHRP Project 22-27, and endorsed in the AASHTO *Roadside Design Guide*, as a tool for comparative analysis of alternative site-specific treatments to enhance roadside safety. The intent of the program is to identify the most cost-effective engineering treatments to address roadside safety, and compare the benefits and costs of implementing multiple alternatives.

RSAP analyzes alternatives based on certain factors and location characteristics such as highway operation; installation and maintenance costs; traffic growth; project life; probable collision frequency and severity; and the expected reduction in the future cost of crashes associated with each alternative.

The default values provided by the RSAP system should be used, except for the following factors:

- **Traffic Growth Rate:** Obtain percentage of annual growth from the Region Traffic Office or Transportation Data and GIS Office.
- **Cost of installation, repair, maintenance, salvage value, and life of object:** RSAP provides default values, but actual values should be used if known.

Note: Additional guidance specifying required RSAP submittals will be added to Chapter 9. HQ Utilities is currently coordinating training by the program developer and will establish this additional guidance once training is complete.

The RSAP program and information regarding its use may be accessed at the following website: <http://rsap.roadsafellc.com>

Appendix B

Utility Forms and Documents

DOT Form 130-017 EF	Agreement Review Transmittal	B-2
DOT Form 224-012 EF	Blanket Bond for Franchises and Permits*	B-3
DOT Form 224-030 EF	Special Provisions for Permits and Franchises, Exhibit A	B-4
DOT Form 224-035 EF	City Construction and Maintenance Permit	B-7
DOT Form 224-047 EF	Utility Installations to Existing Bridges	B-11
DOT Form 224-048 EF	Individual Bond for Franchise or Permit*	B-13
DOT Form 224-051 EF	Acceptance of Assignment	B-14
DOT Form 224-053 EF	Utility Construction Agreement Work by Utility – State Cost	B-15
DOT Form 224-062 EF	Utility Construction Agreement Work by State – Utility Cost*	B-20
DOT Form 224-071 EF	Utility Construction Agreement Work by State – Shared Cost	B-30
DOT Form 224-072 EF	Utility Preliminary Agreement Work by Utility – State Cost	B-26
DOT Form 224-077 EF	Utility Construction Agreement Work by State – State Cost	B-36
DOT Form 224-096 EF	Escrow Agreement Utilities	B-40
DOT Form 224-157 EF	Stormwater Permit Special Provision	B-45
DOT Form 224-301 EF	Utility Preliminary Engineering Agreement Work by State – Utility Cost	B-47
DOT Form 224-693 EF	Application for Utility Permit (Stormwater Discharge)	B-51
DOT Form 224-696 EF	Application for Utility Permit or Franchise*	B-56
DOT Form 224-697 EF	Utility Facility Description	B-61
DOT Form 224-699 EF	Application for Utility Permit or Franchise for United States Government Agencies	B-62
DOT Form 422-004 EF	Inspector’s Daily Report	B-64
DOT Form 422-004A EF	Inspector’s Daily Report – Diary Page	B-65
DOT Form 422-014	Construction Project Diary	B-66
Authority Matrix	B-71
Blanket Crossing Agreement With USBR		B-72
Category 4 <u>Installation Authorization</u> (Notice of Compliance)		B-100
Control Zone Variance Request Justification Questionnaire		B-101
Limited Access Encroachment Variance Request Justification Questionnaire		B-107
Longitudinal Median Installation Variance Request Justification Questionnaire		B-110
Notice of Filing		B-113
Open Cut Crossing Utility Trench Backfill Detail		B-114
Open Cut Pavement Request Letter		B-115
Open Cut Pavement Variance Request Justification Questionnaire		B-116
Quitclaim Deed		B-119
Roadway Prism Open Trench Variance Request Justification Questionnaire		B-123
Scenic Classification Variance Request Justification Questionnaire		B-126
Shallow Depth Installation Variance Request Justification Questionnaire		B-129
Utility Object Relocation Record		B-132
Utility Trench Backfill Detail		B-133

*This form has been under revision. Be sure and check the Forms Management page to be sure you’re using the current version.



**Washington State
Department of Transportation**

Agreement Review Transmittal

Agreement Number	Task	Amendment	Region	Agreement Manager	Org. Code
Agreement Review Type		Form No.	HQ Agreement Reviewer		Received in HQ
Agreement Retention <input type="checkbox"/> Six (6) years <input type="checkbox"/> Twenty-Five (25) years <input type="checkbox"/> Seventy-Five (75) years <input type="checkbox"/> Chapter 39.34 RCW applies.					Completed Date
Payor/Payee Name and Address					Start Date
					Date Executed
					End Date
Project Title				Federal Employer ID Number / Statewide Vendor Number	
Project Description				Project Location	
				SR _____	
				MP _____ To _____	
				Control Section	
				Work Order Number	
				Fed Aid Project Number	
Agreement Budget					
Amount Payable by WSDOT	Allowed Overrun Percent %		<input type="checkbox"/> Reportable Under Performance Based Contracting Policy		
Amount Reimbursable to WSDOT	Advance Payment Amount				
Notes to HQ (Specify Accounting / Reviewer)					
HQ Agreement Review Comments					
Initiated By			Date	Phone	
			03/21/2012		

DOT Form 130-017 Revised 06/2011

Agreement Review Transmittal DOT Form 130-017 EF



Blanket Bond for Franchises and Permits

Bond No. _____

KNOW ALL MEN BY THESE PRESENTS: That we, _____ of _____ County _____ as Principal, and _____ as Surety, are jointly and severally bound unto the STATE OF WASHINGTON in the sum of \$10,000 DOLLARS, for payment of which to the State of Washington, we jointly and severally bind ourselves, our heirs, executors, administrators, and assigns, firmly by these presents.

WHEREAS, the Principal in pursuance of its operations has filed with the Washington State Department of Transportation, under the provisions of Chapter 47.50 RCW and/or Chapter 47.32 RCW and/or Chapter 47.44 RCW and amendments thereto, applications for various permits and franchises and will file applications for additional permits and franchises to construct, operate, and maintain its facilities along, under, and across various highways under jurisdiction of the Washington State Department of Transportation.

NOW, THEREFORE, the condition of this obligation is such that if all the conditions of said permits and franchises, including the proper restoration of slopes, slope treatment, topsoil, landscape treatment, drainage facilities, and cleanup of right of way, are complied with according to the terms contained in said permits and franchises by said Principal, through a period in accordance with Chapter 468.34.020 (3) WAC and upon receipt of a written discharge from the State, then this obligation shall become null and void; otherwise, this bond to remain in full force and effect.

WITNESS our hands and seals this _____ day of _____, _____.

NOTE: Please **type or print below the signatures** the names of parties executing this bond, together with official title of each.

Principal: _____

Address: _____

Telephone: _____

By: _____

Title: _____

Surety: _____

Address: _____

Telephone: _____

By: _____

Title: _____

Date: _____

By: _____

Title: _____

DOT Form 224-012 EF
Revised 6/95

Blanket Bond for Franchises and Permits DOT Form 224-012 EF



Special Provisions for Permits and Franchises

Applicable provisions are denoted by (X)

- 1. No Work provided for herein shall be performed until the Utility is authorized by the following Washington State Department of Transportation (Department) Representative(s):

Name: _____	Name: _____
Title: _____	Title: _____
Street: _____	Street: _____
City: _____	City: _____
State: _____ Zip: _____	State: _____ Zip: _____
Phone: _____ Cell: _____	Phone: _____ Cell: _____
Fax: _____	Fax: _____

The Utility shall notify in writing the identified Department representative(s) at least _____ (_____) working days (Monday through Friday excluding any holidays), in advance of commencing Work on state-owned highway right of way.

- 2. Prior to beginning the Work, a pre-construction conference shall be held at which the Department, Utility's engineer, contractor, and inspector (as applicable) shall be present. The Utility shall give a minimum 5 working days (Monday through Friday excluding any holidays) notice to the Department's representative(s) (prior to the pre-construction conference)
- 3. Work within the state-owned highway right of way shall be restricted to _____. No Work shall be allowed on Saturday, Sunday, or holidays, without prior approval by the Department. In addition, the Utility shall be off the highway by noon the day prior to a holiday unless authorized by the Department. If a holiday falls on a Saturday, the preceding Friday is counted as the holiday, and the Utility shall be off the highway by noon Thursday. When the Holiday falls on a Monday the Utility shall be off the right of way at noon on the preceding Friday. Nothing in this section shall limit the authority of the Department to further restrict work within state-owned highway right of way at the Department's discretion. The hours of closure are subject to change if required by the Department.
- 4. During non-working hours equipment and materials shall not be located or stored within the work zone clear zone (WZCZ) area. Minimum WZCZ distances will be measured from the edge of the traveled way (the portion of the roadway intended for the movement of vehicles, exclusive of shoulders and lanes for parking, turning, and storage for turning) and will be determined as follows:

Posted Speed	Distance From Traveled Way (ft)
35 mph or less	10
40 mph	15
45 to 55 mph	20
60 mph or greater	30

Minimum Work Zone Clear Zone Distance

5. The Utility agrees that, in the event any construction and/or maintenance of the highway facility becomes necessary within the proximity of the utility installation, it is expressly understood that, upon request from the Department's representative, the Utility will promptly identify and locate by suitable field markings any and all of its underground facilities so that the Department or its contractor can be fully apprised at all times of their precise locations.
6. Construction of this facility will not be permitted from the shoulders or through the traffic lanes and/or ramps of SR _____. All construction access will be from _____.

BOND AND INSURANCE COVERAGE

7. The Utility has provided bond coverage for the Work under this Permit or Franchise by furnishing a blanket surety bond held by the Department at the WSDOT Headquarters Utilities Unit in Olympia, WA.
8. The Utility or its contractor shall provide a surety bond to the Department in the amount of \$ _____, written by a surety company authorized to do business in the State of Washington, or shall set up a Department-approved escrow account prior to the start of construction to cover the Work under this Permit or Franchise. The surety bond or escrow account shall remain in force for a period of one (1) year after the written notice of completion of the Work (as provided in general provision 11), except that when the Work impacts the paved highway (open cuts, bores or damage to the highway surface), the Utility shall be required to maintain the surety bond or escrow account for a period of two (2) years after the notice of completion.
9. When the Utility chooses to perform the Work with other than its own forces and requires its contractor to provide a surety bond to the Department before performing any Work to ensure compliance with all of the terms and conditions of this Permit or Franchise, the bond shall be in the amount of \$ _____, written by a surety company authorized to do business in the State of Washington and shall remain in force until all Work under this Permit or Franchise has been completed, and the Utility's contractor has restored any affected Department property and right of way to the satisfaction of the Department.
10. The Utility shall provide proof of insurance coverage prior to performing any Work within state-owned highway right of way, as follows:
- (a) Commercial General Liability covering the risks of bodily injury (including death), property damage, and personal injury, including coverage for contractual liability, with a limit of not less than \$3 million per occurrence and in the aggregate;
 - (b) Business Automobile Liability (owned, hired, or non-owned) covering the risks of bodily injury (including death) and property damage, including coverage for contractual liability, with a limit of not less than \$1 million per accident;
 - (c) Employers Liability covering the risks of Utility's employees' bodily injury by accident or disease, with limits of not less than \$1 million per accident for bodily injury by accident and \$1 million per employee for bodily injury by disease.

Such insurance policies or related certificates of insurance shall name the Washington State Department of Transportation as an additional insured on all general liability, automobile liability, employers' liability, and excess policies. A forty-five (45) calendar day written notice shall be given to the Department prior to termination of or any material change to the policy(ies) as such relate(s) to this Permit or Franchise.

11. If the Utility is a city or county, it has provided verification of insurance coverage to the Department by providing proof of its coverage through a Risk Pool or verification that the city or county is self-insured, to comply with the insurance terms and conditions of this Permit or Franchise.

DOT Form 224-030 EF
Revised 03/2014

Special Provisions for Permits and Franchises, Exhibit A *DOT Form 224-030 EF (Page 2 of 3)*

UNDERGROUND FACILITIES

- 12. The Utility shall completely remove all Deactivated Facilities (as defined in Washington State Department of Transportation *Utilities Manual M 22-87*).
- 13. Deactivated facilities left within the state owned right of way shall remain owned by the Utility, who shall continue to bear all responsibility for any future costs incurred for removal of the Deactivated facilities if required by the Department in its sole discretion.
- 14. For underground facilities, markers shall be placed at both ends of a crossing, and at all changes in offset distance from right of way line or centerline of the highway and placed approximately every 500 feet for longitudinal installations. Marker information as a minimum shall include owner name, pipeline or cable identification and station, and telephone number or other means to contact a local office. Markers must be in compliance with the Departments *Standard Specifications for Road, Bridge, and Municipal Construction Manual M 41-10*, Division 9 (9-17 Flexible Guideposts), not create a safety hazard, and all markers shall be placed and maintained so as to minimize interference with Department maintenance operations. It is the Utility's responsibility to maintain its markers. Maintenance of markers includes but is not limited to update of Utility's name (if changed) or Utility's successors' or assigns' contact information, and replacement of damaged or missing markers.
- 15. All underground facilities shall include a component by which the utility can be located with conventional methods, provided that for all installations in trenches, the Utility shall install detector tape approximately 12 inches above the underground facility. The tape shall conform to the standards of the American Public Works Association Uniform Color Code.
- 16. Utility facilities or casings for facilities crossing under highways surfaced with oil, asphalt concrete pavement, or cement concrete pavement shall be by trenchless construction, using the appropriate equipment to jack, bore, or auger the facility through the highway prism with a minimum depth of 5 feet along any point from the top of facility to the lowest point of the finished highway grade, at a minimum of 3.5 feet depth from bottom of ditch/toe of slope to top of facility or casing.
- 17. If PVC or HDPE casings are utilized for crossings, they shall be greater than Schedule 80 or equivalent or as approved by the Department.
- 18. Casing requirements (WAC 468-34-210) for utilities are specified individually or in whole on the attached exhibits. Any variances to these casing requirements must be approved by the Department, in writing prior to installation.
- 19. Pipeline installation shall meet the provisions of chapter 480-93 WAC, Gas Companies- Safety, and amendments thereto.
- 20. Open trenching (cutting a trench for direct placement of a utility that does not include cutting an existing paved highway surface) will only be allowed at the locations identified on the plan sheets and/or listed on Exhibit(s) _____, with restoration to be performed as noted on the attached "Open Trench Detail," Exhibit _____.
- 21. Open cuts (cutting a trench for direct placement of a utility that does include cutting the existing paved highway surface) of the highway are a variance to Department policy, requiring justification (Open Cut Variance Request) and approval by the Department prior to the Work beginning. Open cuts are only allowed at approved locations identified on the plan sheets and/or listed on Exhibit(s) _____, with restoration to be performed as noted on the attached "Open Cut Detail," Exhibit _____.



City Construction and Maintenance Permit

Permit Number

Please print or type all information

Application is hereby made for Construction and Maintenance of City Utilities Located Within state-owned Limited Access Highway Right of Way Pursuant to RCW 47.52.090

The intended Use of Limited Access State-owned Right of Way is to Construct and Maintain a: _____ on a portion of State Route _____ (at/from) Mile Post _____ to Mile Post _____ in _____ County, to begin in the _____ Section _____ Township _____ North: Range _____ West/East W.M. and end in the _____ Section _____ Township _____ North: Range _____ West/East W.M.

Applicant (Referred to as City)	Applicant Authorized Signature
Address	Print or Type Name
City _____ State _____ Zip Code _____	Title _____
Telephone _____	Dated this _____ day of _____ Year _____ Day _____ Month _____ Year _____
Applicant Reference (WO) Number _____	

Authorization to Construct and Maintain

The Washington State Department of Transportation, referred to as the "Department," pursuant to the provisions of RCW 47.52.090, hereby grants this Construction and Maintenance Permit subject to the terms and conditions stated in the General Provisions, Special Provisions, and Exhibits attached hereto and by this reference made a part hereof: Construction of facilities proposed under this application shall begin within one year and must be completed within three years from date of authorization.

For Department Use Only

Exhibits Attached	Department Authorization By _____ _____ Title _____ _____ Date _____ _____
-------------------	--

General Provisions (City Construction and Maintenance Permit)

- 1. The City shall notify the following Department representative, in writing, at least _____ (_____) calendar days in advance of commencing Construction or Maintenance work within state-owned limited access highway right of way.

Department Representative:

Name _____

Title _____

Address _____

City _____ State _____ Zip Code _____

Phone Number _____

- 2. Upon authorization of this Construction and Maintenance Permit, the City shall diligently proceed with the work and comply with all provisions herein.
- 3. Prior to the beginning of construction, a preconstruction conference shall be held at which the Department, the City, and the City's contractor (if applicable) shall be present.
- 4. Should the City choose to perform the work outlined herein with other than its own forces, a representative of the City shall be present on-site at all times unless otherwise agreed to by the Department. All contact between the Department and the City's contractor shall be through an authorized representative of the City. Where the City chooses to perform the work with its own forces, it may elect to appoint one of its own employees engaged in the construction as its representative. Failure to comply with this provision shall be grounds for restricting any further work by the City within the state-owned limited access highway right of way until said requirement is met. The City, at its own expense, shall adequately police and supervise all work on the above-described project by itself, its contractor, subcontractor, or agent, and others, so as not to endanger or injure any person or property.
- 5. All City facilities occupying state-owned limited access highway right of way shall comply with applicable minimum clearance, depth, encasement and Control Zone requirements as specified in the Washington State Department of Transportation Utilities Manual M 22-87, and revisions thereto.
- 6. Should the City choose to perform the work outlined herein with other than its own forces, a surety bond in the amount of \$ _____ written by a surety company authorized to do business in the State of Washington, shall be furnished to the Department before performing any work to ensure compliance with all of the terms and conditions of this Construction and Maintenance Permit and shall remain in force until all work under this Construction and Maintenance Permit has been completed, and the City's contractor has restored any affected Department property and right of way to the satisfaction of the Department.
- 7. The City must provide proof of the following insurance coverage prior to performing any work within right of way:
 - a) Commercial General Liability covering the risks of bodily injury (including death), property damage and personal injury, including coverage for contractual liability, with a limit of not less than \$1 million per occurrence/\$2 million general aggregate;
 - b) Business Automobile Liability (owned, hired, or non-owned) covering the risks of bodily injury (including death) and property damage, including coverage for contractual liability, with a limit of not less than \$1 million per accident;
 - c) Employers Liability insurance covering the risks of City's employees' bodily injury by accident or disease with limits of not less than \$1 million per accident for bodily injury by accident and \$1 million per employee for bodily injury by disease; Such insurance policies or related certificates of insurance shall name the Washington State Department of Transportation as an additional insured on all general liability, automobile liability, employers' liability, and excess policies. The City may comply with these insurance requirements through a program of self insurance that meets or exceeds these minimum limits.

City Construction and Maintenance Permit
DOT Form 224-035 EF (Page 2 of 4)

The City must provide the Department with adequate documentation of self insurance prior to performing any work within state-owned limited access highway right of way. Should the City no longer benefit from a program of self-insurance, the City agrees to promptly obtain insurance as provided above. A forty-five (45) Calendar Day written notice shall be given to prior to termination of or any material change to the policy(ies) as it relates to this Permit.

8. Work within the state-owned limited access highway right of way shall be restricted between the hours of _____ and _____, and no work shall be allowed on the right of way on Saturday, Sunday, or holidays as defined by RCW 1.16.050, or the day before a holiday or a holiday weekend, unless authorized by the Department.
9. All of the work shall be done to the satisfaction of the Department. All material and workmanship shall conform to the Washington State Department of Transportation's Standard Specifications for Road, Bridge, and Municipal Construction, current edition, and amendments thereto, and shall be subject to inspection by the Department. All Department inspections and acceptance of state-owned limited access right of way restoration are solely for the benefit of the Department and not for the benefit of the City, the City's contractor (if any), or any third party.
10. During the construction and/or maintenance of this facility, the City shall comply with the Manual on Uniform Traffic Control Devices for Streets and Highways (Federal Highway Administration) and the state of Washington's modifications thereto (chapter 468-95 WAC). If determined necessary by the Department, the City shall submit a signing and traffic control plan to the Department's Representative for approval prior to construction or maintenance operations. No lane closures shall be allowed except as approved by the Department's Representative. Approvals may cause revision of special provisions of this Construction and Maintenance Permit, including hours of operation.
11. No excavation shall be made or obstacle placed within the limits of the state-owned limited access highway right of way in such a manner as to interfere with the construction of, operation of, maintenance of and/or travel over the highway, unless authorized by the Department in writing.
12. If the work done under this Construction and Maintenance Permit interferes in any way with the drainage of the state highway, the City shall wholly and at its own expense make such provisions as the Department may direct to fully mitigate the drainage impacts.
13. For any of the City's work that requires permit coverage under the "CONSTRUCTION STORMWATER GENERAL PERMIT – National Pollutant Discharge Elimination System and State Waste Discharge General Permit for Stormwater Discharges Associated with Construction Activity" (hereinafter "Construction Stormwater General Permit"), the City shall obtain said permit coverage and shall comply with all requirements of the Construction Stormwater General Permit. Upon Department request, the City shall provide a copy of the Construction Stormwater General Permit. In addition, the City, on behalf of itself and its contractors, officers, officials, employees, and agents, agrees to indemnify, hold harmless, and defend at its sole cost and expense the Department, its officers, officials, employees, and agents from any and all fines, costs, claims, judgments, and/or awards of damages (to regulatory agencies, persons, and/or property), arising out of, or in any way resulting from the City's failure to (1) obtain coverage under the Construction Stormwater General Permit for utility work or (2) comply with the Construction Stormwater General Permit requirements.
14. Upon completion of the work authorized by this Construction and Maintenance Permit, all rubbish and debris shall be immediately removed and the state-owned limited access highway right of way shall be left neat and presentable to the Department's satisfaction. City agrees to take corrective action if directed by the Department.
15. If any construction or future maintenance of the facilities covered under this Construction and Maintenance Permit involves equipment or personnel crossing limited access boundaries at grade, the City shall secure an access break from the Department prior to commencement of construction or maintenance activities.
16. All facilities placed within state-owned limited access highway right of way by the City under this Construction and Maintenance Permit shall remain the property of the City and may be removed at any time by the City. Prior to removal, the City shall notify the Department and submit a plan for removal of the facilities. Additionally, in the event that all or any portion of the facilities are no longer used, the City shall submit a plan and schedule removal of the facilities. Upon removal of any facilities under this section, the City shall restore any affected Department property or state-owned limited access highway right of way to a condition satisfactory to the Department.

City Construction and Maintenance Permit
DOT Form 224-035 EF (Page 3 of 4)

17. If the Department, in its sole discretion, shall determine that any or all of the City's facilities must be modified, removed or relocated from the state-owned limited access highway right of way as being necessary, incidental, or convenient for the construction, repair, improvement, alteration, relocation, or maintenance of the state highway, or for the safety of the traveling public, the City, its successors or assigns, shall at its sole cost and expense, upon written notice by the Department, modify, relocate or remove any or all of its facilities from the state-owned limited access highway right of way as may be required by the Department. The City shall timely perform all facility modifications, relocations and/or removals as the Department directs to avoid highway project delays and in such manner as will cause the least interference with the continued operation and/or maintenance of the highway or disruption of traffic.
18. Should the City fail or refuse to comply with the Department's direction to modify, remove, or relocate any City facilities, the Department may undertake and perform the work, and the City agrees to pay the Department's reasonable cost and expense for performing the work. The Department shall provide to the City a detailed invoice for the work, and the City agrees to make payment within thirty (30) calendar days of the date of the invoice.
19. If the Department determines in good faith that emergency maintenance work to the City's facilities is immediately needed to protect (a) any aspect of the state highway, or (b) to secure the safety of the traveling public, as a result of a failure of the City's facility, such work may be performed by the Department without prior approval of the City, and the City agrees to pay the Department's reasonable cost and expense for performing the work. The City will be notified of the emergency work and the necessity for it at the Department's earliest opportunity. The Department shall provide to the City a detailed invoice for such emergency work, and the City agrees to make payment within thirty (30) calendar days of the date of the invoice.
20. The City, its successors and assigns, agree to indemnify, defend, and hold harmless the State of Washington and its officers and employees, from all claims, demands, damages (both to persons and/or property), expenses, regulatory fines, and/or suits that: (1) arise out of or are incidental to any acts or omissions by the City, its agents, contractors, and/or employees, in the use of the state-owned limited access highway right of way as authorized by the terms of this Construction and Maintenance Permit, or (2) are caused by the breach of any of the conditions of this Construction and Maintenance Permit by the City, its contractors, agents, and/or employees. The City, its successors and assigns, shall not be required to indemnify, defend, or hold harmless the State of Washington and its officers and employees, if the claim, suit, or action for damages (both to persons and/or property) is caused by the acts or omissions of the State of Washington, its officers and employees; provided that, if such claims, suits, or actions result from the concurrent negligence of (a) the State of Washington, its officers and employees and (b) the City, its agents, contractors, and/or employees, or involves those actions covered by RCW 4.24.115, the indemnity provisions provided herein shall be valid and enforceable only to the extent of the acts or omissions of the State of Washington, its officers and employees and the City, its agents, contractors, and/or employees.
- 20.1. The City agrees that its obligations under this section extend to any claim, demand and/or cause of action brought by, or on behalf of, any of its employees or agents while performing construction and/or maintenance under this Construction and Maintenance Permit while located on state-owned limited access highway right of way. For this purpose, the City, by mutual negotiation, hereby waives with respect to the Department only, any immunity that would otherwise be available to it against such claims under the Industrial Insurance provisions chapter 51.12 RCW.
- 20.2. This indemnification and/or waiver shall survive the termination of this Permit.
21. Any action for damages against the State of Washington, its agents, contractors, or employees, arising out of damages to a utility or other facility located on the state-owned limited access highway right of way shall be subject to the provisions and limitations of RCW 47.44.150.
22. This Construction and Maintenance Permit shall not be deemed or held to be an exclusive one and shall not prohibit the Department from granting rights of like or other nature to other public or private utilities, nor shall it prevent the Department from using any of its highways, rights of ways, or other state-owned property, or affect its right to full supervision and control over all or any state-owned property, none of which is hereby surrendered.
23. No assignment or transfer of this Construction and Maintenance Permit in any manner whatsoever shall be valid, nor vest any rights hereby granted, until the Department consents thereto and the assignee accepts all terms of this Construction and Maintenance Permit. Attempting to assign this permit without Department consent shall be cause for cancellation as herein provided.

City Construction and Maintenance Permit
DOT Form 224-035 EF (Page 4 of 4)



Washington State
Department of Transportation

General Notes and Design Criteria for Utility Installations to Existing Bridges

General Notes

All materials and workmanship shall be in accordance with the requirements of the state of Washington, Department of Transportation, Standard Specifications for Road, Bridge, and Municipal Construction, current edition. The utility conduits shall be labeled in accordance with Section 6-01.10.

All steel in utility supports, including fastenings and anchorages, shall be galvanized in accordance with AASHTO M-111 or M-232 (ASTM A-123 or A-153 respectively).

All utilities and utility support surfaces, including any galvanized utilities, shall be given a primer coat of state standard formula A-6-86 and two coats of state standard formula C-9-86. The final coat shall match the bridge color.

Galvanized metal or aluminum utilities completely hidden from public view may be exempted from the above painting requirements.

Any painted surfaces damaged during construction shall be cleaned and painted as noted above.

Any paint splatters shall be removed from the bridge.

Appearance of the utility installation shall be given serious consideration in all cases. Where possible, the utility installation shall be hidden from public view.

The notes and criteria explained here are presented as a guide only. Each proposed utility installation shall be submitted to the Department of Transportation for approval on an individual basis. Compliance with these criteria does not assure approval, nor does variance from these criteria, for reasonable cause, necessarily exclude approval.

Design Criteria

1. Pipelines carrying volatile fluids through a bridge superstructure shall be designed by the utility company in accordance with WAC 480-93, Gas Companies - Safety, and Minimum Federal Safety Standard, Title 49 Code of Federal Regulations (CFR) Section part 192. WAC 468-34-210, Pipelines - Encasement, describes when casing is required for carrying volatile fluids across structures. Generally, casing is not required for pipelines conveying natural gas per the requirements of WAC 468-34-210. If casing is required, then WAC 468-34-210 and WAC 480-93-115 shall be followed.
2. Utilities shall not be attached above the bridge deck nor attached to railing or rail posts.
3. Utilities shall not extend below bottom of superstructure.

DOT Form 224-047 EF
Revised 5/10

Exhibit " _____ "

Permit/Franchise _____

Page _____ of _____

Utility Installations to Existing Bridges

DOT Form 224-047 EF (Page 1 of 2)

- 4. The utilities shall be provided with suitable expansion devices near bridge expansion joints and/or other locations as required to prevent temperature and other longitudinal forces from being transferred to bridge members.
- 5. Rigid conduit shall extend 10 feet (3 meters) minimum, beyond the end of the bridge abutment.
- 6. Utility supports shall be designed such that neither the conduit, the supports, nor the bridge members are overstressed by any loads imposed by the utility installation.
- 7. Utility locations and supports shall be designed so that a failure (rupture, etc.) will not result in damage to the bridge, the surrounding area, or be a hazard to traffic.
- 8. Conduit shall be rigid.

(Items 1 through 8 may be cross-referenced with Bridge Design Manual, Utilities Section.)

- 9. Lag screws may be used for attaching brackets to wooden structures. All bolt holes shall meet the requirements of Sections 6-04.3(4) and 6-04.3(5) of the Washington State Department of Transportation Standard Specifications for Road, Bridge, and Municipal Construction, current edition.
- 10. Welding across main members will not be permitted. All welding must be approved.
- 11. Utilities shall be located to minimize bridge maintenance and bridge inspection problems.
- 12. Attach conduits or brackets to the concrete superstructure with resin bond anchors. Lag screws shall not be used for attachment to concrete.
- 13. Drilling through reinforcing steel will not be permitted. If steel is hit when drilling, the anchorage location must be moved and the abandoned hole filled with nonshrink grout conforming to the requirements of Section 9-20.3(2) and placement shall be as required in Section 6-02.3(20) of the Washington State Department of Transportation Standard Specifications for Road, Bridge, and Municipal Construction, current edition.
- 14. There shall be a minimum of 3 inches (80 millimeters) edge distance to the center line of bolt holes in concrete.
- 15. All utilities and utility supports shall be designed not only to support their dead load but to resist other forces from the utility (surge, etc.) and wind and earthquake forces. The utility company may be asked to submit one set of calculations to verify their design forces.
- 16. Drilling into prestressed concrete members for utility attachments shall not be allowed.
- 17. Water or sewer lines to be placed lower than adjacent bridge footings shall be encased if failure can cause undermining of the footing.

DOT Form 224-047 EF
Revised 5/10

Exhibit " _____ "

Permit/Franchise _____

Page _____ of _____

Utility Installations to Existing Bridges
DOT Form 224-047 EF (Page 2 of 2)



Individual Bond for Franchise and Permit

Bond No. _____

KNOW ALL MEN BY THESE PRESENTS: That we, _____ of _____ County _____ as Principal, and _____ as Surety, are jointly and severally bound unto the STATE OF WASHINGTON in the sum of _____ DOLLARS, for payment of which to the State of Washington, we jointly and severally bind ourselves, our heirs, executors, administrators, and assigns, firmly by these presents.

WHEREAS, the Principal in pursuance of its operations has filed with the Washington State Department of Transportation, under the provisions of Chapter 47.50 RCW and/or Chapter 47.32 RCW and/or Chapter 47.44 RCW and amendments thereto, applications for franchise/permit number _____ on a portion of State Route No. _____ in _____ County, Washington.

NOW, THEREFORE, the condition of this obligation is such that if all the conditions of said franchise/permit, including the proper restoration of slopes, slope treatment, topsoil, landscape treatment, drainage facilities, and cleanup of right of way, are complied with according to the terms contained in said franchise/permit by said Principal, through a period in accordance with Chapter 468.34.020 (3) WAC and upon receipt of a written discharge from the State, then this obligation shall become null and void; otherwise, this bond to remain in full force and effect.

WITNESS our hands and seals this _____ day of _____, _____.

NOTE: Please type or print below the signatures the names of parties executing this bond, together with official title of each.

Principal: _____
Address: _____

Telephone: _____

By: _____
Title: _____

**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION**

Surety: _____
Address: _____

Telephone: _____

By: _____

Title: _____

Date: _____

By: _____

Title: _____

DOT Form 224-048 EF
Revised 6/95

Individual Bond for Franchise or Permit DOT Form 224-048 EF



Acceptance of Assignment (Transfer of Ownership)

_____ (Assignor) hereby assigns
to _____ (Assignee) effective
_____ (date) , Permit(s) and/or Franchise Number(s):

The Assignee hereby takes and accepts the aforesaid Permit(s) and/or Franchise(s) granted by, or on behalf of, the Washington State Department of Transportation (WSDOT) and agrees to keep, perform, and observe the terms and conditions of said Permit(s) and Franchise(s).

Fees in the amount of fifty dollars (\$50) shall be paid to cover the basic administrative expenses incident to the processing of this application pursuant to WAC 468-34 and RCW 47.44 and amendments thereto. The applicant promises to pay any additional costs incurred by the Washington State Department of Transportation (Department) on behalf of the Assignee.

Checks or Money Orders are to be made payable to "Washington State Department of Transportation."

NOTE: Print or type the names and official titles of the persons signing and authorized to bind each of the Parties.

Assignor Signature: _____

Name (print): _____

Title: _____

Date: _____

Assignee Signature: _____

Name (print): _____

Title: _____

Date: _____

Accepted by WSDOT this _____ day of _____, _____.

**Washington State
Department of Transportation**

By: _____

Title: _____

DOT Form 224-051 EF
Revised 05/2014

**Acceptance of Assignment
DOT Form 224-051 EF**



Utility Construction Agreement Work by Utility - State Cost			Organization and Address
Agreement Number	Region		Project Title / Location
Control Section	State Route	Mileposts From To	
Estimated Agreement Amount			

This Utility Construction Agreement is made and entered into between the State of Washington Department of Transportation (STATE) and the above named UTILITY.

WHEREAS, the STATE is planning the construction or improvement of the State Route as shown above for the identified STATE project, and in connection therewith, it is necessary to remove and/or relocate and/or construct certain UTILITY facilities (Work), and

WHEREAS, the STATE is responsible for the cost of the Work affecting the UTILITY's facilities located pursuant to a documented ownership of and/or interest in real property, such as an easement, fee title, or court finding of prescriptive right, which is impacted by the STATE project, and

WHEREAS, the Work shall be defined as all materials, equipment, labor, contract administration and any other effort required to perform the relocation, construction, and/or removal of the UTILITY's facilities, and

WHEREAS, it is deemed to be in the best public interest for the UTILITY to perform the relocation, removal, or construction of its facilities,

NOW, THEREFORE, pursuant to RCW 47.01.210 and chapter 47.44 RCW and in consideration of the terms, conditions, covenants, and performances contained herein, as well as the attached Exhibits which are incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

1. CONSTRUCTION, INSPECTION, AND ACCEPTANCE

- 1.1 Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects* shall determine and establish the definitions and applicable standards and payments under this Agreement. By this reference this document is adopted and made a part of this Agreement as if fully contained herein.
- 1.2 Betterment: A betterment is any improvement to the UTILITY's facilities not required by code, regulation, standard industry practice, or any other applicable regulation. If any of the Work constitutes a betterment as defined in the Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects*, the UTILITY is solely responsible for the costs of such improvement.
- 1.3 Accrued Depreciation: Accrued depreciation may be applied to any of the UTILITY's major facilities, such as a building, pump station, power plant, etc. Accrued depreciation shall not apply to the UTILITY's primary facilities, such as pipelines, conductors, poles, cable, conduit, etc. If any UTILITY facility does qualify for an adjustment due to accrued depreciation as defined in Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects*, the costs are calculated according to the formula in the Program Guide and the result is shown as a UTILITY cost in Exhibit B Cost Estimate.

Utility Construction Agreement Work by Utility – State Cost
DOT Form 224-053 EF (Page 1 of 5)

- 1.4 The UTILITY shall furnish the labor, materials, equipment, and tools required for and perform the Work in constructing, removing and/or relocating the UTILITY facilities, in accordance with Exhibit A, Special Provisions, and Exhibit C, Plans.
- 1.5 If the UTILITY is not adequately staffed or equipped to perform all the Work required herein, the UTILITY may have all or part of this Work done by a contract let by the UTILITY, as follows:
 - 1.5.1 Before contracting out any Work, the UTILITY shall obtain written authorization from the STATE, and the STATE may require the UTILITY to advertise and solicit bids for the contract Work.
 - 1.5.2 If the STATE requires the Work to be advertised and bid, the UTILITY shall provide a copy of all bid documents to the STATE seven (7) calendar days prior to the advertisement date, or as specified in Exhibit A, for STATE comment.
 - 1.5.3 The UTILITY shall notify the STATE at least three (3) working days in advance of the location and time of the bid opening so that a STATE representative may attend the bid opening.
 - 1.5.4 The UTILITY shall supply a copy of the three lowest bids with itemized bid amounts to the STATE within seven (7) calendar days of bid opening
 - 1.5.5 If the UTILITY elects to use other than the lowest bid contractor, the UTILITY shall provide written justification to the STATE for the use of that contractor and bid price. The STATE shall review the UTILITY's written justification, and if the STATE does not agree therewith and the UTILITY awards the bid to other than the lowest bid contractor, the UTILITY shall be responsible for the cost difference between the amount of the lowest bid and the amount of the awarded contract.
- 1.6 If the UTILITY desires to have the Work performed under an existing contract, the STATE may require the UTILITY to provide the STATE with a copy of the contract for the STATE's written approval of the contractor and contract charges.
- 1.7 The Parties agree that nothing in the STATE's approval of a UTILITY contractor or bid shall be for the benefit of the UTILITY; all such approvals, whether written or verbal, shall be solely for the benefit of the STATE and shall not establish a contractual relationship among the STATE, the UTILITY, and the UTILITY's contractor.
- 1.8 All of the UTILITY's Work, construction procedures, materials, and/or utility installation, as provided under this Agreement, shall be subject to STATE inspection for solely the benefit of the STATE's payment, state highway and/or STATE project. The UTILITY shall promptly notify the STATE in writing when the Work is completed. The STATE shall inspect the Work for compliance with the Exhibits attached to this Agreement. The STATE will notify the UTILITY in writing of any non-compliance that would impact the STATE's payment, state highway and/or STATE project. The UTILITY agrees to make the necessary changes to satisfy the STATE requirements or adjust the invoice. The STATE's inspection shall not reduce or modify the UTILITY's responsibility for the Work.
- 1.9 Upon completion of the Work, the UTILITY agrees that it shall be solely responsible for all future ownership, operation and maintenance costs of its facilities, without STATE liability or expense.

2. AUTHORITY TO BEGIN WORK AND WORK SCHEDULE

- 2.1 The UTILITY agrees not to begin Work until the STATE has provided written notice, authorizing the UTILITY to begin Work. The STATE shall not be obligated to reimburse the UTILITY for any Work performed before the date of notification.
- 2.2 The UTILITY agrees to schedule and perform the Work in such manner as not to delay or interfere with the STATE's contractor in the performance of the STATE's project. The UTILITY shall be responsible for any costs resulting from delay of, or interference with, the STATE's project contractor, to the extent the delay or interference is attributable to the UTILITY or the UTILITY's contractor. Any mutually agreed conditions or requirements for avoidance of delay of, or interference with, the STATE's project contractor shall be included in Exhibit A.

3. COMPLIANCE

- 3.1 The UTILITY agrees to comply with all applicable requirements of the STATE in accordance with the Utilities Accommodation Policy, Chapter 468-34 WAC, and amendments thereto, and said policy and amendments are hereby incorporated in and made a part of this Agreement for all intents and purposes as if fully set forth herein.
- 3.2 The UTILITY agrees to comply with all applicable laws and environmental requirements of any jurisdictional agency and is responsible for obtaining any necessary environmental permits required in order to perform the Work.
- 3.3 The UTILITY agrees to obtain and comply with any other permits from any jurisdictional agency that are required in order for the UTILITY to perform the Work.

4. PAYMENT

- 4.1 The STATE is responsible for the cost of the Work, excluding all betterment work, for the UTILITY's facilities that are located pursuant to a documented ownership interest in real property, such as an easement, fee title, or court finding of prescriptive right, which are impacted by the STATE project, as shown in Exhibits A and B. Exhibit B, Cost Estimate, contains an itemized cost estimate of STATE-responsible costs for the Work to be performed by the UTILITY.
- 4.2 The STATE, in consideration of the faithful performance of the Work to be done by the UTILITY, agrees to reimburse the UTILITY for the actual direct and related indirect cost of the Work, excluding all betterment work, for which the STATE is responsible as defined in Exhibits A and B. The UTILITY agrees to invoice the STATE and provide supporting documentation for all charges, and the STATE agrees to pay the UTILITY within thirty (30) days of receipt of an invoice. Payments shall not be more frequent than one per month. A partial payment will not constitute agreement as to the appropriateness of any item and that, at the time of final invoice, the Parties will resolve any discrepancies.
- 4.3 The UTILITY shall submit a final invoice to the STATE within ninety (90) calendar days following completion of the Work. In the event that the final invoice reveals an overpayment to the UTILITY, the UTILITY agrees to refund such overpayment to the STATE within thirty (30) days.

5. CHANGE IN WORK OR COST INCREASE

- 5.1 The STATE agrees that the amount shown in Exhibit B may not reflect the actual costs of the Work. Should the UTILITY determine that the Work costs for which the STATE is responsible might exceed the cost estimate by more than _____ (____) percent, the UTILITY shall immediately notify the STATE before performing any Work in excess of the Exhibit B estimate plus the additional percentage. The STATE and the UTILITY will, if necessary, amend Exhibit B to revise the cost estimate before the UTILITY incurs costs above the amount shown in Exhibit B plus the additional percentage.
- 5.2 Should it be necessary to modify Exhibit A, Special Provisions, the UTILITY agrees to immediately notify the STATE of all proposed changes, and the STATE agrees to provide written notice of its acceptance or rejection of the change(s), in writing, within _____ (____) working days.

6. FRANCHISE, PERMIT OR EASEMENT

- 6.1 The UTILITY shall apply for a permit, franchise or an amendment to its current franchise for those new or modified UTILITY facilities that will be located within the STATE's right of way. After receiving the application, the STATE will issue the UTILITY a permit or a new or amended franchise.
- 6.2 Upon completion of the Work covered under this Agreement, the UTILITY agrees to prepare, execute and deliver to the STATE a quit claim deed for all existing easements, fee title, or court finding of prescriptive right, which will be vacated as a result of the relocation of UTILITY facilities and as identified in Exhibit A.
- 6.3 In exchange for the quit claim deed, the STATE agrees to grant or issue the UTILITY an easement, permit, or franchise, as defined in Exhibit A, for those UTILITY facilities which will remain on or which cross the STATE's right-of-way and for which the UTILITY had an easement, fee title or court finding of prescriptive right. A legal description of and use conditions for an easement to be granted encumbering STATE right of way shall be included in Exhibit A.

7. RIGHT OF ENTRY

- 7.1 Subject to the UTILITY obtaining all required permits and meeting any other requirements for Work conducted within state-owned right of way, the STATE hereby grants the UTILITY a right of entry upon all land in which the STATE has interest for the purpose of performing the Work. Upon completion of the Work, this right of entry shall terminate except as otherwise provided in Section 6.
- 7.2 A STATE grant of access and right of entry onto an interstate limited access right of way may require additional conditions, for example, a traffic control plan will be required if the UTILITY's Work will impact highway traffic. The Parties agree that all UTILITY access and right of entry provisions affecting an interstate limited access right of way will be identified in Exhibit A, Special Provisions. Upon completion of the Work, this right of entry shall terminate except as otherwise provided in Section 6.
- 7.3 The UTILITY shall not enter state-owned right of way without first having a STATE-issued written right of entry.

8. GENERAL PROVISIONS

- 8.1 Indemnification: To the extent authorized by law, the UTILITY and STATE shall indemnify and hold harmless one another and their employees and/or officers from and shall process and defend at its own expense any and all claims, demands, suits at law or equity, actions, penalties, losses, damages (both to persons and/or property), or costs, of whatsoever kind or nature, brought against the one Party arising out of, in connection with, or incident to the other Party's performance or failure to perform any aspect of this Agreement, provided, however, that if such claims are caused by or result from the concurrent negligence of (a) the UTILITY and (b) the STATE, their respective employees and/or officers, or involves those actions covered by RCW 4.24.115, this indemnity provision shall be valid and enforceable only to the extent of the negligence of the UTILITY or STATE, and provided further, that nothing herein shall require the UTILITY or STATE to hold harmless or defend the other or its employees and/or officers from any claims arising from that Party's sole negligence or that of its employees and/or officers. The terms of this section shall survive the termination of this Agreement.
- 8.2 Disputes: If a dispute occurs between the UTILITY and the STATE at any time during the prosecution of the Work, the Parties agree to negotiate at the management level to resolve any issues. Should such negotiations fail to produce a satisfactory resolution, the Parties agree to enter into arbitration and/or mediation before proceeding to any other legal remedy. Each Party shall be responsible for its own fees and costs. The Parties agree to equally share the cost of a mediator or arbiter.
- 8.3 Venue: In the event that either Party deems it necessary to institute legal action or proceedings to enforce any right or obligation under this Agreement, the Parties hereto agree that any such action or proceedings shall be brought in the superior court situated in Thurston County, Washington. Each Party shall be responsible for its own attorney's fees and costs.
- 8.4 Termination:
- 8.4.1 The UTILITY understands that the STATE retains the right to terminate this Agreement for convenience upon thirty (30) calendar days written notice to the UTILITY. In the event that the STATE exercises this termination right, the STATE will reimburse the UTILITY for all allowable costs under this Agreement incurred prior to the date of termination.
- 8.4.2 In the event funding for the Work is withdrawn, reduced, or limited in any way after the execution date of this Agreement and prior to normal completion, the STATE may terminate the Agreement upon less than the thirty (30) calendar day notice requirement in section 8.4.1, subject to renegotiation at STATE's sole option pursuant to the revised funding limitations and conditions.
- 8.5 Amendments: This Agreement may be amended by the mutual agreement of the Parties. Such amendments or modifications shall not be binding unless put in writing and signed by persons authorized to bind each of the Parties.

- 8.6 Independent Contractor: Both Parties shall be deemed independent contractors for all purposes, and the employees of each Party and any of its contractors, subcontractors, consultants, and the employees thereof, shall not in any manner be deemed to be the employees of the other Party.
- 8.7 Audit and Records: During the progress of the Work and for a period of not less than three (3) years from the date of final payment. The UTILITY shall maintain the records and accounts pertaining to the Work and shall make them available during normal business hours and as often as necessary, for inspection and audit by the STATE, State of Washington, and/or Federal Government and copies of all records, accounts, documents or other data pertaining to the Work will be furnished upon request. The requesting Party shall pay the cost of copies produced. If any litigation, claim or audit is commenced, the records and accounts along with supporting documentation shall be retained until any litigation, claim or audit finding has been resolved even though such litigation, claim or audit continues past the three-year retention period.
- 8.9 Working Days: Working days for this Agreement are defined as Monday through Friday, excluding Washington State holidays per RCW 1.16.050.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the day and year last written below.

UTILITY

**STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION**

By _____

By _____

Name _____

Name _____

Title _____

Title _____

Date _____

Date _____

Utility Construction Agreement Work by Utility – State Cost
DOT Form 224-053 EF (Page 5 of 5)



**Washington State
Department of Transportation**

Utility Construction Agreement Work by State - Utility Cost		Utility Name and Address
Agreement Number	Region	Project Title / Location
State Route	Mileposts From To	
Estimated Agreement Amount \$		Advance Payment Amount <input type="checkbox"/> N/A \$

This Utility Construction Agreement is made and entered into between the State of Washington Department of Transportation, herein (STATE) and the above named UTILITY.

WHEREAS, the STATE is planning the construction or improvement of the State Route as shown above for the listed STATE Project, and in connection therewith, it is necessary to remove and/or relocate and/or construct certain UTILITY facilities, herein the (Work), and

WHEREAS, the UTILITY is responsible for (1) the cost of the Work for UTILITY facilities located without a documented ownership of and/or interest in real property, such as being located pursuant to a franchise, a permit, or undocumented permission, (2) all betterments, and (3) new facilities, and

WHEREAS, the Work shall be defined as all materials, equipment, labor, contract administration and any other efforts required to perform the relocation, construction, and/or removal of the UTILITY's facilities, and

WHEREAS, the Work includes Betterments; Relocation of Facilities with Property Rights; Facilities without Property Rights; Installation of New Facilities; Removal of Existing Facilities from the STATE right of way, and

WHEREAS, it is deemed to be in the best public interest for the STATE to include the Work in the STATE's Project,

NOW, THEREFORE, pursuant to RCW 47.01.210 and chapter 47.44 RCW and in consideration of the terms, conditions, covenants, and performances contained herein, as well as the attached Exhibits which are incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

1. PLANS, SPECIFICATIONS AND BIDS

- 1.1 Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects* shall determine and establish the definitions and applicable standards and payments for this Agreement. By this reference this document is adopted and made a part of this Agreement as if fully contained herein.
- 1.2 Betterment: A betterment is any improvement to the UTILITY's facilities not required by code, regulation, standard industry practice, or any other applicable regulation. If any of the Work constitutes a betterment as defined in the Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects*, the UTILITY is solely responsible for the costs of such improvement.
- 1.3 The STATE, acting on behalf of the UTILITY, agrees to perform the UTILITY facilities Work in accordance with Exhibit A, Special Provisions, and Exhibit C, Plans, where either: (1) UTILITY supplied the Work plans and special provisions to the STATE, or (2) STATE developed the Work plans and special provisions from UTILITY-provided information.

The STATE will incorporate the Plans and Special Provisions into the STATE Project in accordance with UTILITY requirements. The UTILITY agrees that it is solely responsible for insuring that all Special Provisions, Plans and UTILITY standards are met and that it has supplied the STATE with all applicable standards, codes, regulations, or any other requirements the UTILITY is obligated to meet, unless otherwise noted.

- 1.4 The UTILITY has reviewed and approved the Work Special Provisions and Plans that will be incorporated into the STATE Project. The STATE will advertise the Work and Project for bids. The STATE will be the UTILITY's representative during the Ad and award period. When requested by the STATE, the UTILITY shall timely assist the STATE in answering bid questions and resolving any design issues that may arise associated with the Work. All comments and clarifications must go through the STATE. If the UTILITY supplied the Work plans and special provisions, the UTILITY agrees to provide the STATE with any addenda required for the Work during the Ad period, to the Parties' mutual satisfaction.
- 1.5 The STATE will provide the UTILITY with written notification of the bid price no later than five (5) days after award for all Work items for which the UTILITY is responsible for the cost. The UTILITY shall respond in writing to the STATE, stating its Acceptance or Rejection of the Work items, within two (2) working days.
- 1.6 Should the UTILITY reject the bid Work items for which it has cost responsibility:
- 1.6.1 The STATE shall delete said items from the Project. The UTILITY agrees to reimburse the STATE for engineering costs and direct and related indirect costs incurred by the STATE associated with deleting the bid Work items from the Project, including any redesign, reengineering or re-estimating, if necessary, to delete the Work items, and the UTILITY agrees to pay such costs upon receipt of a STATE invoice.
- 1.6.2 The UTILITY agrees that should it reject the bid Work items for which it has cost responsibility, it shall continue to be obligated to timely relocate its facilities as required by the STATE Project. The UTILITY further agrees that should its actions delay or otherwise damage the STATE Project, it shall be liable for such costs.

2. CONSTRUCTION, INSPECTION, AND ACCEPTANCE

- 2.1 The STATE agrees to administer the Work on behalf of the UTILITY.
- 2.2 The UTILITY agrees to disconnect and/or reconnect its facilities as required by the STATE when such disconnection or reconnection is required to be performed by the UTILITY. The Parties agree to define disconnect and/or reconnection requirements, including notification and response in Exhibit A. The STATE agrees, as part of the Work, to remove disconnected and/or abandoned facilities at the UTILITY's cost. UTILITY facilities not removed pursuant to this Agreement shall remain the ownership, operation and maintenance responsibility of the UTILITY.
- 2.3 Salvage: All materials removed by the STATE shall be reclaimed or disposed of by the STATE and shall become the property of the STATE. If the UTILITY desires to retain such materials and the STATE agrees, the value of salvaged materials will be paid to the STATE in an amount not less than that required by the Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects*.
- 2.4 The UTILITY may furnish an inspector for the Work. The UTILITY agrees that it is solely responsible for all such inspection costs. The UTILITY's inspector shall not directly contact the STATE's contractor. All contact between the UTILITY's inspector and the STATE's contractor shall be through the STATE's representatives. The STATE's Project Construction Engineer may require the removal and/or replacement of the UTILITY's inspector if the inspector interferes with the STATE's Project, STATE's contractor and/or the Work.

OR

- 2.4 The UTILITY shall furnish an inspector for the Work. The UTILITY agrees that it is solely responsible for all such inspection costs. The UTILITY's inspector shall not directly contact the STATE's contractor. All contact between the UTILITY's inspector and the STATE's contractor shall be through the STATE's representatives. The STATE's Project Construction Engineer may require the removal and/or replacement of the UTILITY's inspector if the inspector interferes with the STATE's Project, STATE's contractor and/or the Work.

- 2.5 The STATE shall promptly notify the UTILITY in writing when the Work is completed.
- 2.6 The UTILITY shall, within _____(_____) working days of being notified that the Work is completed: (a) deliver a letter of acceptance to the STATE which shall include a release and waiver of all future claims or demands of any nature resulting from the performance of the Work and the STATE's administration thereof, or (b) deliver to the STATE written reasons why the Work does not comply with the previously approved Plans and Special Provisions.
- The UTILITY agrees to work diligently and in good faith with the STATE to resolve any issues so as not to delay the STATE's Project. If all issues are resolved, the UTILITY agrees to deliver to the STATE a letter of acceptance as provided herein.
- 2.7 If the UTILITY does not respond within _____(_____) working days as provided in Section 2.6, the Work and the administration thereof will be deemed accepted by the UTILITY, and the STATE shall be released from all future claims and demands.
- 2.8 Upon completion and acceptance of the Work pursuant to Sections 2.6 or 2.7, the UTILITY agrees that it shall be solely responsible for all future ownership, operation and maintenance costs of its facilities, without STATE liability or expense.
- 2.9 The STATE will prepare the final construction documentation in general conformance with the STATE's Construction Manual. The STATE will maintain one set of plans as the official "as-built" set, then make notations in red of all plan revisions typically recorded per standard STATE practice, as directed by the STATE's Construction Manual. Once the UTILITY has accepted the Work per Section 2.6 or 2.7, the STATE upon request by the UTILITY will provide one reproducible set of contract as-builts to the UTILITY, and the UTILITY agrees to pay the cost of reproduction upon receipt of a STATE invoice

3. PAYMENT

- 3.1 The UTILITY agrees that it shall be responsible for the actual direct and related indirect costs, including mobilization, construction engineering, contract administration and overhead costs, associated with the Work. The cost of this Work is estimated to be _____ Dollars (\$ _____). An itemized estimate of UTILITY-responsible costs for Work to be performed by the STATE on behalf of the UTILITY is included in Exhibit B, Cost Estimate.
- 3.2 When applicable the UTILITY agrees to pay the STATE the "Advance Payment Amount" stated above within twenty (20) calendar days after the STATE submits its first partial payment request to the UTILITY. The advance payment represents fifteen (15) percent of the estimate of cost for which the UTILITY is responsible. The advance payment will be carried throughout the life of the Work with final adjustment made in the final invoice
- 3.3 The Parties acknowledge and agree that the STATE does not have the legal authority to advance state funds for the UTILITY's Work under this Agreement. Should the UTILITY fail to make payment according to the terms of this Agreement, the STATE shall have the right to terminate this Agreement, charging the UTILITY for all associated costs of termination, including non-cancellable items, as well as associated Project delay and contractor claims. Such termination shall not relieve the UTILITY's obligation to timely relocate its facilities as provided under Section 1.6.2
- 3.4 The UTILITY, in consideration of the faithful performance of the Work to be done by the STATE, agrees to pay the STATE for the actual direct and related indirect cost of all Work for which the UTILITY is responsible, including mobilization, construction engineering, administration and overhead costs. The STATE shall invoice the UTILITY and provide supporting documentation therefore, and the UTILITY agrees to pay the STATE within thirty (30) calendar days of receipt of an invoice. A partial payment will not constitute agreement as to the appropriateness of any item and that, at the time of final invoice, the Parties will resolve any discrepancies.

4. CHANGE IN WORK OR COST INCREASE

- 4.1 Increase in Cost: In the event unforeseen conditions require an increase in the cost of the Work for which the UTILITY is responsible, above the Exhibit B, Cost Estimate (including sales tax, engineering, and contingencies) by more than _____ (____) percent, the Parties agree to modify Exhibit B to include such cost increase.
- 4.2 If the STATE determines that additional Work or a change in the Work is required, prior written approval must be secured from the UTILITY; however, where the change is required to mitigate a Project emergency or safety threat to the traveling public, the STATE will direct the change without the UTILITY's prior approval. The STATE will notify the UTILITY of such change as soon as possible thereafter. The UTILITY agrees to respond to all STATE change order requests in writing and within five (5) working days. STATE notification shall not be required for UTILITY-requested changes. The UTILITY agrees to pay all costs associated with the changed Work, as well as the costs of Project or Work delays and/or subsequent contractor claims associated with the UTILITY's failure to timely respond as required.
- 4.3 The UTILITY may request additions to the Work through the STATE in writing. The STATE will implement the requested changes as elective changes, provided that a change does not negatively impact the STATE's transportation system and complies with the Standard Specifications, Project permits, state and/or federal law, applicable rules and/or regulations, and/or STATE design policies, and does not unreasonably delay critically scheduled Project contract activities.
- 4.4 All elective changes to the Work shall be approved in writing by the UTILITY before the STATE directs the contractor to implement the changes, even if an executed change order is not required by the Project contract. The UTILITY agrees to pay for the increases in cost, if any, for such elective changes in accordance with Section 3.
- 4.5 The STATE will make available to the UTILITY all change order documentation related to the Work.

5. FRANCHISE OR PERMIT

- 5.1 The UTILITY shall apply for a permit, franchise or an amendment to its current franchise for those new or modified UTILITY facilities that will be located within the STATE's right of way. After receiving the application, the STATE will issue the UTILITY a permit or a new or amended franchise.

6. RIGHT OF ENTRY

- 6.1 The UTILITY agrees to arrange for rights of entry upon all privately owned lands upon which the UTILITY has a claimed property right and which are necessary to perform the Work. The UTILITY also agrees to obtain all necessary permissions for the STATE to perform the Work on such lands, which may include reasonable use restrictions on those lands. The UTILITY agrees to provide the rights of entry and applicable permissions under this section to the STATE within _____ (____) calendar days of entering into this Agreement. Upon completion of the Work on such lands, the rights of entry and permissions shall terminate.

7. GENERAL PROVISIONS

- 7.1 Indemnification: To the extent authorized by law, the UTILITY and STATE shall indemnify and hold harmless one another and their employees and/or officers from and shall process and defend at its own expense any and all claims, demands, suits at law or equity, actions, penalties, losses, damages (both to persons and/or property), or costs, of whatsoever kind or nature, brought against the one Party arising out of, in connection with, or incident to the other Party's performance or failure to perform any aspect of this Agreement, provided, however, that if such claims are caused by or result from the concurrent negligence of (a) the UTILITY and (b) the STATE, their respective employees and/or officers, or involves those actions covered by RCW 4.24.115, this indemnity provision shall be valid and enforceable only to the extent of the negligence of the UTILITY or STATE, and provided further, that nothing herein shall require the UTILITY or STATE to hold harmless or defend the other or its employees and/or officers from any claims arising from that Party's sole negligence or that of its employees and/or officers. The terms of this section shall survive the termination of this Agreement.

- 7.2 **Disputes:** If a dispute occurs between the UTILITY and the STATE at any time during the prosecution of the Work, the Parties agree to negotiate at the management level to resolve any issues. Should such negotiations fail to produce a satisfactory resolution, the Parties agree to enter into arbitration and/or mediation before proceeding to any other legal remedy. Each Party shall be responsible for its own fees and costs. The Parties agree to equally share the cost of a mediator or arbiter.
- 7.3 **Venue:** In the event that either Party deems it necessary to institute legal action or proceedings to enforce any right or obligation under this Agreement, the Parties hereto agree that any such action or proceedings shall be brought in the superior court situated in Thurston County, Washington. Each Party shall be responsible for its own attorney's fees and costs.
- 7.4 **Termination:**
- 7.4.1 Unless otherwise provided herein, the UTILITY may terminate this Agreement upon thirty (30) calendar days written notice to the STATE. If this Agreement is terminated by the UTILITY prior to the fulfillment of the terms stated herein, the UTILITY shall reimburse the STATE for all actual direct and related indirect expenses and costs, including mobilization, construction engineering, contract administration and overhead costs, incurred up to the date of termination associated with the UTILITY Work, as well as the cost of non-cancelable obligations, including any redesign, reengineering or re-estimating, if necessary, to delete the Work, and contractor claims, if any, payment in accordance with Section 3. Further, the UTILITY acknowledges and agrees that should it terminate this Agreement, such termination shall not relieve the UTILITY from its responsibility to design, remove, relocate and/or construct its facilities so as not to delay or conflict with the STATE's Project. The STATE agrees to provide to the UTILITY all Work-related documents upon final payment by the UTILITY.
- 7.4.2 Unless otherwise provided herein, the STATE may terminate this Agreement upon thirty (30) calendar days written notice to the UTILITY. Should the STATE terminate this Agreement, the UTILITY shall reimburse the STATE for all actual direct and related indirect expenses and costs, including mobilization, construction engineering, contract administration and overhead costs, incurred by the STATE up to the date of termination associated with the UTILITY Work. The UTILITY acknowledges and agrees that should the STATE terminate this Agreement, such termination shall not relieve the UTILITY from its responsibility to design, remove, relocate and/or construct its facilities so as not to delay or conflict with the STATE's Project. The STATE agrees to provide to the UTILITY all Work-related documents upon final payment by the UTILITY.
- 7.5 **Amendments:** This Agreement may be amended by the mutual agreement of the Parties. Such amendments or modifications shall not be binding unless put in writing and signed by persons authorized to bind each of the Parties.
- 7.6 **Independent Contractor:** Both Parties shall be deemed independent contractors for all purposes, and the employees of each Party and any of its contractors, subcontractors, consultants, and the employees thereof, shall not in any manner be deemed to be the employees of the other Party.
- 7.7 **Audit and Records:** During the progress of the Work and for a period of not less than three (3) years from the date of final payment, both Parties shall maintain the records and accounts pertaining to the Work and shall make them available during normal business hours and as often as necessary, for inspection and audit by the other Party, State of Washington, and/or Federal Government and copies of all records, accounts, documents or other data pertaining to the Work will be furnished upon request. The requesting Party shall pay the cost of copies produced. If any litigation, claim or audit is commenced, the records and accounts along with supporting documentation shall be retained until any litigation, claim or audit finding has been resolved even though such litigation, claim or audit continues past the three-year retention period.
- 7.8 **Working Days:** Working days for this Agreement are defined as Monday through Friday, excluding Washington State holidays per RCW 1.16.050.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the day and year last written below.

UTILITY

**STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION**

By _____

By _____

Name _____

Name _____

Title _____

Title _____

Date _____

Date _____

Utility Construction Agreement Work by State – Utility Cost
DOT Form 224-062 EF (Page 6 of 6)



Utility Preliminary Engineering Agreement Work by Utility - State Cost			Utility Name and Address		
Agreement Number		Region	Project Title / Location		
Control Section	State Route	Mileposts From To			
Estimated Agreement Amount					

This Utility Preliminary Engineering Agreement, herein "Agreement," is made and entered into between the State of Washington, Department of Transportation, herein "STATE," and the above named Utility, herein "UTILITY."

WHEREAS, the STATE is planning the construction or improvement of the State Route as shown above for the listed STATE project, and in connection therewith, it is necessary to remove, relocate or construct certain UTILITY facilities, and

WHEREAS, the STATE is responsible for the cost of the preliminary engineering for the UTILITY's facilities that are located pursuant to a documented ownership interest in real property, such as an easement, fee title, or court finding of prescriptive right, which is impacted by the STATE project, but the STATE is not responsible for preliminary engineering costs associated with facility betterments, and

WHEREAS, it is deemed to be in the best public interest for the UTILITY to develop the preliminary engineering, including the preparation of plans, specifications and cost estimate, herein the "Work," for the removal, relocation or construction of the UTILITY's facilities as part of the STATE's project, and

WHEREAS, the STATE and the UTILITY intend to enter into a Utility Construction Agreement to cover the actual construction, relocation, and/or removal of the UTILITY's facilities,

NOW, THEREFORE, pursuant to chapter RCW 47.10.210 and chapter 47.44 RCW, and in consideration of the terms, conditions, covenants, and performances contained herein, as well as the attached Exhibits which are incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

1. PLANS, SPECIFICATIONS AND BIDS

- 1.1 Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects* shall determine and establish the definitions and applicable standards and payments under this Agreement. By this reference this document is adopted and made a part of this Agreement as if fully contained herein.
- 1.2 Betterment: A betterment is any improvement to the UTILITY's facilities not required by code, regulation, standard industry practice, or any other applicable regulation. If any of the Work constitutes a betterment as defined in the Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects*, the UTILITY is solely responsible for the preliminary engineering costs of such improvement.
- 1.3 The UTILITY agrees to perform the preliminary engineering, including the preparation of plans, specifications and cost estimates (PS&E), herein the "Work," for the removal, relocation, and/or construction of the UTILITY's facilities impacted by the STATE's project. Should the Work include betterments to the facilities, the UTILITY shall identify such betterments for STATE review. The STATE has provided to the UTILITY a copy of the STATE's project plans, identified as Exhibit C.

- 1.4 The UTILITY agrees to provide the STATE a copy of its PS&E, including the identification of betterments, if any. The STATE will review for acceptance of the PS&E to ensure that it is in compliance with STATE requirements and standards prior to incorporating it into the STATE project plans. The Parties agree to comply with the document submission and review process as identified in Exhibit A, Special Provisions, including the Scope of Work.
- 1.5 If the UTILITY is not adequately staffed or equipped to perform all of the Work required herein, the UTILITY may have all or part of the Work performed by consultant(s) under a contract let by the UTILITY or have the Work performed under an ongoing contract with a UTILITY consultant. UTILITY consultant(s) shall be in good standing with the STATE, and the UTILITY shall provide to the STATE for STATE review a cost estimate for the Work to be performed by the UTILITY's consultant(s).

2. PAYMENT

- 2.1 The STATE is responsible for the cost of the Work, excluding all betterment work, for the UTILITY's facilities that are located pursuant to a documented ownership interest in real property, such as an easement, fee title, or court finding of prescriptive right, which are impacted by the STATE project, as shown in Exhibits A and B. Exhibit B, Cost Estimate, contains an itemized cost estimate of STATE-responsible costs for the Work to be performed by the UTILITY.
- 2.2 The STATE, in consideration of the faithful performance of the Work to be done by the UTILITY, agrees to reimburse the UTILITY for the actual direct and related indirect cost of the Work, excluding all betterment work, for which the STATE is responsible as defined in Exhibits A and B. The UTILITY agrees to invoice the STATE and provide supporting documentation for all charges, and the STATE agrees to pay the UTILITY within thirty (30) calendar days of receipt of an invoice. Payments shall not be more frequent than one per month. A partial payment will not constitute agreement as to the appropriateness of any item and that, at the time of final invoice, the Parties will resolve any discrepancies.
- 2.3 The UTILITY shall submit a final billing to the STATE within ninety (90) calendar days following completion of the Work.

3. CHANGE IN WORK OR COST INCREASE

- 3.1 Increase in Cost: In the event unforeseen conditions require an increase in the cost of the Work for which the STATE is responsible, the Exhibit B, Cost Estimate (including sales tax, engineering, and contingencies) by more than _____ (_____) percent, the Parties agree to modify Exhibit B to include such cost increase.
- 3.2 Should it be necessary to modify the Scope of Work, the UTILITY agrees to immediately notify the STATE of all proposed changes, and the STATE agrees to provide written notice of its acceptance or rejection of the change(s), in writing, within _____ (_____) working days.

4. RIGHT OF ENTRY

- 4.1 The STATE hereby grants to the UTILITY a right of entry onto all lands in which it has an interest for the Work as defined in Exhibits A and C. Upon completion and acceptance of the Work, this right of entry shall terminate, except as otherwise provided in Section 5.4.
- 4.2 The UTILITY agrees to obtain rights of entry, if needed, upon all privately owned lands necessary to perform the Work. The UTILITY also agrees to obtain all necessary permissions for the STATE to enter upon such lands, if required, for the duration of this Agreement. The UTILITY agrees to provide the rights of entry and applicable permissions to the STATE within _____ (_____) calendar days of entering into this Agreement. Upon completion of the Work on such lands, the rights of entry and permissions shall terminate, except as otherwise provided in Section 5.4.

5. GENERAL PROVISIONS

- 5.1 **Indemnification:** The UTILITY shall indemnify and hold harmless the STATE and its agents, employees, and/or officers from and shall process and defend at its own expense any and all claims, demands, suits at law or equity, actions, penalties, losses, damages (both to persons and/or property), or costs, of whatsoever kind or nature, brought against the STATE and its agents, employees and/or officers, arising out of, in connection with, or incident to the Work performed by the UTILITY pursuant to the terms of this Agreement. Provided, however, that if such claims are caused by or result from the concurrent negligence of (a) the UTILITY and (b) the STATE, its agents, employees, and/or officers, or involves those actions covered by RCW 4.24.115, this indemnity provision shall be valid and enforceable only to the extent of the intentional or negligent acts or omissions of the UTILITY; Provided further, that nothing herein shall require the UTILITY to hold harmless or defend the STATE, its agents, employees, and/or officers from any claims arising from the sole negligence of the STATE, its agents, employees, and/or officers. This indemnification shall survive any termination of this Agreement.
- 5.2 **Disputes:** If a dispute occurs between the UTILITY and the STATE at any time during the performance of the Work pursuant to this Agreement, the Parties agree to negotiate at the management level to resolve any issues. Should such negotiations fail to produce a satisfactory resolution, the Parties agree to enter into arbitration and/or mediation before proceeding to any other legal remedy. Each Party shall be responsible for its own fees and costs. The Parties agree to equally share in the cost of a mediator or arbitrator.
- 5.3 **Venue:** In the event that either Party to this Agreement deems it necessary to institute legal action or proceedings to enforce any right or obligation under this Agreement, the Parties agree that any such action or proceedings shall be brought in the superior court situated in Thurston County, Washington. Further, the Parties agree that each shall be responsible for its own attorneys fees and costs.
- 5.4 **Termination:** Neither the STATE nor the UTILITY may terminate this Agreement without the concurrence of the other Party. Termination shall be in writing and signed by both Parties.
- 5.5 **Amendments:** This Agreement may be amended by the mutual agreement of the Parties. Such amendments or modifications shall not be binding unless put in writing and signed by persons authorized to bind each of the Parties.
- 5.6 **Independent Contractor:** Both Parties shall be deemed independent contractors for all purposes, and the employees of each Party and any of its contractors, subcontractors, consultants, and the employees thereof, shall not in any manner be deemed to be the employees of the other Party.
- 5.7 **Audit and Records:** During the progress of the Work and for a period of not less than three (3) years from the date of final payment, the UTILITY shall maintain the records and accounts pertaining to the Work and shall make them available during normal business hours and as often as necessary, for inspection and audit by the State of Washington and/or Federal Government and copies of all records, accounts, documents or other data pertaining to the Work will be furnished upon request. The requesting Party shall pay the cost of copies produced. If any litigation, claim or audit is commenced, the records and accounts along with supporting documentation shall be retained until any litigation, claim or audit finding has been resolved even though such litigation, claim or audit continues past the three-year retention period.
- 5.8 **Working Days:** Working days for this Agreement are defined as Monday through Friday, excluding Washington State holidays per RCW 1.16.050.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the day and year last written below.

UTILITY

**STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION**

By _____

By _____

Name _____

Name _____

Title _____

Title _____

Date _____

Date _____

Utility Preliminary Agreement Work by Utility – State Cost
DOT Form 224-072 EF (Page 4 of 4)



Utility Construction Agreement Work by State - Shared Cost			Utility Name and Address			
			Agreement Number		Region	Project Title / Location
Control Section	State Route	Mileposts				
		From	To			
Estimated Agreement Amount		Advance Payment Amount		State Share Amount	Utility Share Amount	
				%	%	

This Utility Construction Agreement is made and entered into between the State of Washington Department of Transportation (STATE) and the above named UTILITY.

WHEREAS, the STATE is planning the construction or improvement of the State Route as shown above for the identified STATE Project, and in connection therewith, it is necessary to remove and/or relocate and/or construct certain UTILITY facilities (Work), and

WHEREAS, the STATE is responsible for the cost of the Work affecting the UTILITY's facilities located pursuant to a documented ownership of and/or interest in real property, such as an easement, fee title, or court finding of prescriptive right, which is impacted by the STATE Project, and

WHEREAS, the Work shall be defined as all materials, equipment, labor, contract administration and any other effort required to perform the relocation, construction, and/or removal of the UTILITY's facilities, and

WHEREAS, the Work includes Betterments; Relocation of Facilities with Property Rights; Facilities without Property Rights; Installation of New Facilities; Removal of Existing Facilities from the STATE right of way, and

WHEREAS, the UTILITY is responsible for (1) the cost of the Work for UTILITY facilities located without a documented ownership of and/or interest in real property, such as being located pursuant to a franchise, a permit, or undocumented permission, (2) all betterments, and (3) new facilities, and

WHEREAS, it is deemed to be in the best public interest for the STATE to include the Work in the STATE's Project,

NOW, THEREFORE, pursuant to RCW 47.10.210 and chapter 47.44 RCW and in consideration of the terms, conditions, covenants, and performances contained herein, as well as the attached Exhibits which are incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

1. PLANS, SPECIFICATIONS AND BIDS

- 1.1 Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects* shall determine and establish the definitions and applicable standards and payments under this Agreement. By this reference this document is adopted and made a part of this Agreement as if fully contained herein.
- 1.2 Betterment: A betterment is any improvement to the UTILITY's facilities not required by code, regulation, standard industry practice, or any other applicable regulation. If any of the Work constitutes a betterment as defined in the Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects*, the UTILITY is solely responsible for the costs of such improvement.

- 1.3 Accrued Depreciation: Accrued depreciation may be applied to any of the UTILITY's major facilities, such as a building, pump station, power plant, etc. Accrued depreciation shall not apply to the UTILITY's primary facilities, such as pipelines, conductors, poles, cable, conduit, etc. If any UTILITY facility does qualify for an adjustment due to accrued depreciation as defined in Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects*, the costs are calculated according to the formula in the Program Guide and the result is shown as a UTILITY cost in Exhibit B Cost Estimate.
- 1.4 The STATE, acting on behalf of the UTILITY, agrees to perform the UTILITY facilities Work in accordance with Exhibit A, Special Provisions, and Exhibit C, Plans, where either: (1) UTILITY supplied the Work plans and special provisions to the STATE, or (2) STATE developed the Work plans and special provisions from UTILITY-provided information. The STATE has incorporated the Plans and Special Provisions into the STATE Project in accordance with UTILITY requirements. The UTILITY agrees that it is solely responsible for insuring that all Special Provisions, Plans and UTILITY standards are met and that it has supplied the STATE with all applicable standards, codes, regulations, or any other requirements the UTILITY is obligated to meet, unless otherwise noted.
- 1.5 The UTILITY has reviewed and approved the Work Special Provisions and Plans that have been incorporated into the STATE Project. The STATE will advertise the Work and Project for bids. The STATE will be the UTILITY's representative during the Ad and award period. When requested by the STATE, the UTILITY shall timely assist the STATE in answering bid questions and resolving any design issues that may arise that are associated with the Work. All comments and clarifications must go through the STATE. If the UTILITY supplied the Work plans and special provisions, the UTILITY agrees to provide the STATE with any addenda required for the Work during the Ad period, to the Parties' mutual satisfaction.
- 1.6 The STATE will provide the UTILITY with written notification of the bid price on the day of bid opening for all Work items for which the UTILITY is responsible for the cost. The UTILITY shall respond in writing to the STATE, stating its Acceptance or Rejection of the Work items, within two (2) working days.
- 1.7 Should the UTILITY reject the bid Work items for which it has cost responsibility:
- 1.7.1 The STATE shall delete said items from the Project. The UTILITY agrees to reimburse the STATE for engineering costs and direct and related indirect costs incurred by the STATE associated with deleting the bid Work items from the Project, including any redesign, reengineering or re-estimating, if necessary, to delete the Work items, and the UTILITY agrees to pay such costs upon receipt of a STATE invoice.
- 1.7.2 The UTILITY agrees that should it reject the bid Work items for which it has cost responsibility, it shall continue to be obligated to timely relocate its facilities as required by the STATE Project. The UTILITY further agrees that should its actions delay or otherwise damage the STATE Project, it shall be liable for such costs.

2. CONSTRUCTION, INSPECTION, AND ACCEPTANCE

- 2.1 The STATE agrees to administer the Work on behalf of the UTILITY.
- 2.2 The UTILITY agrees to disconnect and/or reconnect its facilities as required by the STATE when such disconnection or reconnection is required to be performed by the UTILITY. The Parties agree to define disconnect and/or reconnection requirements, including notification and response in Exhibit A. The STATE agrees, as part of the Work, to remove disconnected and/or abandoned facilities at the cost of either the STATE or UTILITY, whichever is responsible for such costs. UTILITY facilities not removed pursuant to this Agreement shall remain the ownership, operation and maintenance responsibility of the UTILITY.
- 2.3 Salvage: All materials removed by the STATE shall be reclaimed or disposed of by the STATE and shall become the property of the STATE. If the UTILITY desires to retain such materials and the STATE agrees, the value of salvaged materials will be paid to the STATE in an amount not less than that required by the Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects*.

Utility Construction Agreement Work by State – Shared Cost DOT Form 224-071 EF (Page 2 of 6)

- 2.4 The UTILITY may furnish an inspector for the Work. The UTILITY agrees that it is solely responsible for all such inspection costs. The UTILITY's inspector shall not directly contact the STATE's contractor. All contact between the UTILITY's inspector and the STATE's contractor shall be through the STATE's representatives. The STATE's Project Construction Engineer may require the removal and/or replacement of the UTILITY's inspector if the inspector interferes with the STATE's Project, STATE's contractor and/or the Work.
- 2.5 The STATE shall promptly notify the UTILITY in writing when the Work is completed.
- 2.6 The UTILITY shall, within _____ (____) working days of being notified that the Work is completed: (a) deliver a letter of acceptance to the STATE which shall include a release and waiver of all future claims or demands of any nature resulting from the performance of the Work and the STATE's administration thereof, or (b) deliver to the STATE written reasons why the Work does not comply with the previously approved Plans and Special Provisions.
- 2.7 If the UTILITY does not respond within _____ (____) working days as provided in section 2.6, the Work and the STATE's administration thereof will be deemed accepted by the UTILITY, and the STATE shall be released from all future claims and demands.
- 2.8 Upon completion and acceptance of the Work pursuant to Sections 2.6 or 2.7, the UTILITY agrees that it shall be solely responsible for all future ownership, operation and maintenance costs of its facilities, without STATE liability or expense.
- 2.9 The STATE will prepare the final construction documentation in general conformance with the STATE's Construction Manual. The STATE will maintain one set of plans as the official "as-built" set, then make notations in red of all plan revisions typically recorded per standard STATE practice, as directed by the STATE's Construction Manual. Once the UTILITY has accepted the Work per Section 2.6 or 2.7, the STATE upon request by the UTILITY will provide one reproducible set of contract as-builts to the UTILITY, and the UTILITY agrees to pay the cost of reproduction upon receipt of a STATE invoice.

3. PAYMENT

- 3.1 The UTILITY agrees that it shall be responsible for the actual direct and related indirect costs, including mobilization, construction engineering, contract administration and overhead costs, associated with the Work for (1) new UTILITY facilities, (2) betterments, and/or (3) Work where the UTILITY does not have a documented ownership of and/or interest in real property, such as an easement, fee title, or a court finding of prescriptive right for its facilities. The cost of this Work is estimated to be _____ Dollars (\$ _____). An itemized estimate of UTILITY-responsible costs for Work to be performed by the STATE on behalf of the UTILITY is included in Exhibit B, Cost Estimate.
- 3.2 The STATE agrees that it shall be responsible for all Work costs where the UTILITY does have a documented ownership of and/or interest in real property, such as an easement, fee title, or a court finding of prescriptive right for its facilities. Exhibit B contains an itemized estimate of STATE-responsible costs for Work to be performed by the STATE on behalf of the UTILITY.
- 3.3 The UTILITY agrees to pay the STATE the "Advance Payment Amount" stated above within twenty (20) days after the STATE submits its first partial payment request to the UTILITY. The advance payment represents fifteen (15) percent of the estimate of cost for which the UTILITY is responsible. The advance payment will be carried throughout the life of the Work with final adjustment made in the final invoice.
- 3.4 The Parties acknowledge and agree that the STATE does not have the legal authority to advance state funds for the UTILITY's cost portion of the Work under this Agreement. Should the UTILITY fail to make payment according to the terms of this Agreement, the STATE shall have the right to terminate this Agreement, charging the UTILITY for all associated costs of termination, including non-cancellable items, as well as associated Project delay and contractor claims. Such termination shall not relieve the UTILITY's obligation to timely relocate its facilities as provided under section 1.7.2

- 3.5 The UTILITY, in consideration of the faithful performance of the Work to be done by the STATE, agrees to pay the STATE for the actual direct and related indirect cost of all Work for which the UTILITY is responsible, including mobilization, construction engineering, contract administration and overhead costs. The STATE shall invoice the UTILITY and provide supporting documentation therefore, and the UTILITY agrees to pay the STATE within thirty (30) calendar days of receipt of an invoice. A partial payment will not constitute agreement as to the appropriateness of any item and that, at the time of final payment, the Parties will resolve any discrepancies.

4. CHANGE IN WORK OR COST INCREASE

- 4.1 Increase in Cost: In the event unforeseen conditions require an increase in the cost of the Work for which the UTILITY is responsible, above the Exhibit B, Cost Estimate (including sales tax, engineering, and contingencies) by more than _____ (_____) percent, the Parties agree to modify Exhibit B to include such cost increase.
- 4.2 If the STATE determines that additional Work or a change in the Work is required, prior written approval must be secured from the UTILITY; however, where the change is required to mitigate a Project emergency or safety threat to the traveling public, the STATE will direct the the change without the UTILITY's prior approval. The STATE will notify the UTILITY of such change as soon as possible thereafter. The UTILITY agrees to respond to all STATE change order requests in writing and within the time limits identified in Exhibit A. The UTILITY agrees to pay all change order Work costs for which it is responsible, as well as the costs of Project or Work delays and/or subsequent contractor claims associated with the UTILITY's failure to timely respond as required.
- 4.3 The UTILITY may request additions to the Work through the STATE in writing. The STATE will implement the requested changes as elective changes, provided that a change does not negatively impact the STATE's transportation system and complies with the Standard Specifications, Project permits, state and/or federal law, applicable rules and/or regulations, and/or STATE design policies, and does not unreasonably delay critically scheduled Project contract activities.
- 4.4 All elective changes to the Work shall be approved in writing by the UTILITY before the STATE directs the contractor to implement the changes, even if an executed change order is not required by the Project contract. The UTILITY agrees to pay for the increases in cost, if any, for such elective changes in accordance with Section 3.
- 4.5 The STATE will make available to the UTILITY all change order documentation related to the Work.

5. FRANCHISE, PERMIT OR EASEMENT

- 5.1 Upon completion of the Work covered under this Agreement, the UTILITY agrees to prepare, execute and deliver to the STATE a quit claim deed for all existing easements, fee title, or court finding of prescriptive right, which will be vacated as a result of the relocation of UTILITY facilities.
- 5.2 In exchange for the quit claim deed, the STATE agrees to grant or issue the UTILITY an easement, permit, or franchise, as defined in Exhibit A, for those UTILITY facilities which will remain on or which cross the STATE's right-of-way and for which the UTILITY had an easement, fee title or court finding of prescriptive right. A legal description of and use conditions for an easement to be granted encumbering STATE right of way shall be included in Exhibit A.
- 5.3 The UTILITY shall apply for a permit, franchise or an amendment to its current franchise or permit for those new or modified UTILITY facilities that will be located within the STATE's right of way. After receiving the application, the STATE will issue the UTILITY a permit or a new or amended franchise.

6. RIGHT OF ENTRY

- 6.1 The UTILITY hereby grants to the STATE a right of entry onto all lands in which it has an interest for construction of the Work as defined in Exhibits A and C. Upon completion and acceptance of the Work, this right of entry shall terminate, except as otherwise provided in Section 5.

- 6.2 The UTILITY agrees to arrange for rights of entry upon all privately owned lands upon which the UTILITY has an easement, documented property interest, or permit that are necessary to perform the Work. The UTILITY also agrees to obtain all necessary permissions for the STATE to perform the Work on such lands, which may include reasonable use restrictions on those lands. The UTILITY agrees to provide the rights of entry and applicable permissions to the STATE within _____ (____) calendar days of entering into this Agreement. Upon completion of the Work on such lands, the rights of entry and permissions shall terminate, except as otherwise provided in Section 5.

7. GENERAL PROVISIONS

- 7.1 Indemnification: To the extent authorized by law, the UTILITY and STATE shall indemnify and hold harmless one another and their employees and/or officers from and shall process and defend at its own expense any and all claims, demands, suits at law or equity, actions, penalties, losses, damages (both to persons and/or property), or costs, of whatsoever kind or nature, brought against the one Party arising out of, in connection with, or incident to the other Party's performance or failure to perform any aspect of this Agreement; provided however, that if such claims are caused by or result from the concurrent negligence of (a) the UTILITY and (b) the STATE, their employees, and/or officers, or involves those actions covered by RCW 4.24.115, this indemnity provision shall be valid and enforceable only to the extent of the negligence of the UTILITY or STATE, and provided further, that nothing herein shall require the UTILITY or STATE to hold harmless or defend the other or its employees and/or officers from any claims arising from that Party's sole negligence or that of its employees and/or officers. The terms of this section shall survive the termination of this Agreement.
- 7.2 Disputes: If a dispute occurs between the UTILITY and the STATE at any time during the performance of the Work, the Parties agree to negotiate at the management level to resolve any issues. Should such negotiations fail to produce a satisfactory resolution, the Parties agree to enter into arbitration and/or mediation before proceeding to any other legal remedy. Each Party shall be responsible for its own fees and costs. The Parties agree to equally share in the cost of a mediator or arbiter.
- 7.3 Venue: In the event that either Party deems it necessary to institute legal action or proceedings to enforce any right or obligation under this Agreement, the Parties hereto agree that any such action or proceedings shall be brought in the superior court situated in Thurston County, Washington. Further, the Parties agree that each shall be responsible for its own attorneys fees and costs.
- 7.4 Termination: Neither the STATE nor the UTILITY may terminate this Agreement without the concurrence of the other Party, except as otherwise provided herein. Should the UTILITY terminate this Agreement prior to the fulfillment of the terms stated herein, the UTILITY agrees to reimburse the STATE for all actual direct and related indirect expenses and costs, including mobilization, construction engineering, contract administration and overhead costs, incurred up to the date of termination, as well as the cost of non-cancelable obligations, work order close out costs, and documentation finalization costs. Project delays, and contractor claims associated with the UTILITY's Agreement termination. Payments shall be made pursuant to the provisions of Section 3.
- 7.5 Amendments: This Agreement may be amended by the mutual agreement of the Parties. Such amendments or modifications shall not be binding unless put in writing and signed by persons authorized to bind each of the Parties.
- 7.6 Independent Contractor: Both Parties shall be deemed independent contractors for all purposes, and the employees of each Party and any of its contractors, subcontractors, consultants, and the employees thereof, shall not in any manner be deemed to be the employees of the other Party.
- 7.7 Audit and Records: During the progress of the Work and for a period of not less than three (3) years from the date of final payment, both Parties shall maintain the records and accounts pertaining to the Work and shall make them available during normal business hours and as often as necessary, for inspection and audit by the other Party, State of Washington, and/or Federal Government and copies of all records, accounts, documents or other data pertaining to the Work will be furnished upon request. The requesting Party shall pay the cost of copies produced. If any litigation, claim or audit is commenced, the records and accounts along with supporting documentation shall be retained until any litigation, claim or audit finding has been resolved even though such litigation, claim or audit continues past the three-year retention period.

7.8 Working Days: Working days for this Agreement are defined as Monday through Friday, excluding Washington State holidays per RCW 1.16.050

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the day and year last written below.

UTILITY

**STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION**

By _____

By _____

Name _____

Name _____

Title _____

Title _____

Date _____

Date _____

Utility Construction Agreement Work by State – Shared Cost
DOT Form 224-071 EF (Page 6 of 6)



Utility Construction Agreement Work by State – State Cost		Utility Name and Address
Agreement Number	Region	Project Title / Location
State Route	Mileposts From To	
Estimated Agreement Amount \$		

This Utility Construction Agreement is made and entered into between the State of Washington Department of Transportation, herein (STATE) and the above named UTILITY.

WHEREAS, the STATE is planning the construction or improvement of the State Route as shown above for the identified STATE Project, and in connection therewith, it is necessary to remove and/or relocate and/or construct certain UTILITY facilities (Work), and

WHEREAS, the STATE is responsible for all Work under this Agreement because the UTILITY's facilities are located pursuant to a documented ownership of and/or interest in real property, such as an easement, fee title, or court finding of prescriptive right, which is impacted by the STATE Project, and

WHEREAS, the Work shall be defined as all materials, equipment, labor, contract administration and any other efforts required to perform the relocation, construction, and/or removal of the UTILITY's facilities, and

WHEREAS, it is deemed to be in the best public interest for the STATE to include the Work in the STATE's Project,

NOW, THEREFORE, pursuant to chapter 47.44 RCW and in consideration of the terms, conditions, covenants, and performances contained herein, as well as the attached Exhibits which are incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

1. PLANS, SPECIFICATIONS AND BIDS

- 1.1 Program Guide: Utility Relocation and Accommodation on Federal Aid Highway Projects shall determine and establish the definitions and applicable standards and payments for this Agreement. By this reference this document is adopted and made a part of this Agreement as if fully contained herein.
- 1.2 The STATE, acting on behalf of the UTILITY, agrees to perform the UTILITY facilities Work in accordance with Exhibit A, Special Provisions, and Exhibit C, Plans, where either: (1) UTILITY supplied the Work plans and special provisions to the STATE, or (2) STATE developed the Work plans and special provisions from UTILITY-provided information. The STATE will incorporate the Plans and Special Provisions into the STATE Project in accordance with UTILITY requirements. The UTILITY agrees that it is solely responsible for insuring that all Special Provisions, Plans and UTILITY standards are met and that it has supplied the STATE with all applicable standards, codes, regulations, or any other requirements the UTILITY is obligated to meet, unless otherwise noted.
- 1.3 The UTILITY has reviewed and approved the Work Special Provisions and Plans that will be incorporated into the STATE Project. The STATE will advertise the Work and Project for bids. The STATE will be the UTILITY's representative during the Ad and award period. When requested by the STATE, the UTILITY shall timely assist the STATE in answering bid

questions and resolving any design issues that may arise associated with the Work. All comments and clarifications must go through the STATE. If the UTILITY supplied the Work plans and special provisions, the UTILITY agrees to provide the STATE with any addenda required for the Work during the Ad period, to the Parties' mutual satisfaction.

2. CONSTRUCTION, INSPECTION, AND ACCEPTANCE

- 2.1 The STATE agrees to administer the Work on behalf of the UTILITY.
- 2.2 The UTILITY agrees to disconnect and/or reconnect its facilities as required by the STATE when such disconnection or reconnection is required to be performed by the UTILITY. The Parties agree to define disconnect and/or reconnection requirements, including notification and response in Exhibit A.
- 2.3 Salvage: All materials removed by the STATE shall be reclaimed or disposed of by the STATE and shall become the property of the STATE. If the UTILITY desires to retain such materials and the STATE agrees, the value of salvaged materials will be paid to the STATE in an amount not less than that required by the Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects*.
- 2.4 The UTILITY may furnish an inspector for the Work. The STATE agrees that it is responsible for all such inspection costs. The UTILITY's inspector shall not directly contact the STATE's contractor. All contact between the UTILITY's inspector and the STATE's contractor shall be through the STATE's representatives. The STATE's Project Construction Engineer may require the removal and/or replacement of the UTILITY's inspector if the inspector interferes with the STATE's Project, STATE's contractor and/or the Work.
- 2.5 The STATE shall promptly notify the UTILITY in writing when the Work is completed.
- 2.6 The UTILITY shall, within _____ (____) working days of being notified that the Work is completed: (a) deliver a letter of acceptance to the STATE which shall include a release and waiver of all future claims or demands of any nature resulting from the performance of the Work and the STATE's administration thereof, or (b) deliver to the STATE written reasons why the Work does not comply with the previously approved Plans and Special Provisions. The UTILITY agrees to work diligently and in good faith with the STATE to resolve any issues so as not to delay the STATE's Project. If all issues are resolved, the UTILITY agrees to deliver to the STATE a letter of acceptance as provided herein.
- 2.7 If the UTILITY does not respond within _____ (____) working days as provided in section 2.6, the Work and the administration thereof will be deemed accepted by the UTILITY, and the STATE shall be released from all future claims and demands.
- 2.8 Upon completion and acceptance of the Work pursuant to Sections 2.6 or 2.7, the UTILITY agrees that it shall be solely responsible for all future ownership, operation and maintenance costs of its facilities, without STATE liability or expense.
- 2.9 The STATE will prepare the final construction documentation in general conformance with the STATE's Construction Manual. The STATE will maintain one set of plans as the official "as-built" set, then make notations in red of all plan revisions typically recorded per standard STATE practice, as directed by the STATE's Construction Manual. Once the UTILITY has accepted the Work per Section 2.6 or 2.7, the STATE upon request by the UTILITY will provide one reproducible set of contract as-builts to the UTILITY, and the UTILITY agrees to pay the cost of reproduction upon receipt of a STATE invoice.

3. PAYMENT

- 3.1 The STATE agrees that it shall be responsible for the actual direct and related indirect costs, including mobilization, construction engineering, contract administration and overhead costs, associated with the Work. The cost of this Work is estimated to be _____ Dollars (\$ _____). An itemized estimate of STATE-responsible costs for Work to be performed by the STATE on behalf of the UTILITY is included in Exhibit B, Cost Estimate.

- 3.2 If the UTILITY chooses to have an inspector for the Work, the UTILITY will provide a detailed estimate of such costs to be included in Exhibit B. The UTILITY agrees to provide a detailed invoice to the STATE for UTILITY inspector costs in accordance with the estimate included in Exhibit B, and the STATE agrees to make payment within thirty (30) calendar days of receipt of the invoice.
- 3.3 Pursuant to Section 4, if additional Work or a change in the Work is required and UTILITY review is necessary, the UTILITY agrees to provide a detailed invoice to the STATE, and the STATE agrees to make payment for all reasonable costs within thirty (30) calendar days of receipt of the invoice.

4. CHANGE IN WORK

- 4.1 If the STATE determines that additional Work or a change in the Work is required, prior written approval must be secured from the UTILITY; however, where the change is required to mitigate a Project emergency or safety threat to the traveling public, the STATE will direct the change without the UTILITY's prior approval. The STATE will notify the UTILITY of such change as soon as possible thereafter. The UTILITY agrees to respond to all STATE change order requests in writing and within five (5) working days.
- 4.2 The STATE will make available to the UTILITY all change order documentation related to the Work.

5. FRANCHISE OR PERMIT

- 5.1 Upon completion of the Work covered under this Agreement, the UTILITY agrees to prepare, execute and deliver to the STATE a quit claim deed for all existing easements which will be vacated as a result of the relocation of UTILITY facilities.
- 5.2 In exchange for the quit claim deed, the STATE agrees to grant or issue the UTILITY an easement, permit, or franchise, as defined in Exhibit A, for those UTILITY facilities which will remain on or which cross the STATE's right-of-way and for which the UTILITY had an easement, fee title, or court finding of prescriptive right. A legal description of and use conditions for an easement to be granted encumbering STATE right of way shall be included in Exhibit A.

6. RIGHT OF ENTRY

- 6.1 The UTILITY hereby grants to the STATE a right of entry onto all lands in which it has an interest for construction of the Work as defined in Exhibits A and C. Upon completion and acceptance of the Work, this right of entry shall terminate, except as otherwise provided in Section 5.
- 6.2 The UTILITY agrees to arrange for rights of entry upon all privately owned lands upon which the UTILITY has an easement or court finding of a prescriptive right which are necessary to perform the Work. The UTILITY also agrees to obtain all necessary permissions for the STATE to perform the Work on such lands, which may include reasonable use restrictions on those lands. The UTILITY agrees to provide the rights of entry and applicable permissions under this section to the STATE within _____ (____) calendar days of entering into this Agreement. Upon completion of the Work on such lands, the rights of entry and permissions shall terminate.

7. GENERAL PROVISIONS

- 7.1 **Indemnification:** To the extent authorized by law, the UTILITY and STATE shall indemnify and hold harmless one another and their employees and/or officers from and shall process and defend at its own expense any and all claims, demands, suits at law or equity, actions, penalties, losses, damages (both to persons and/or property), or costs, of whatsoever kind or nature, brought against the one Party arising out of, in connection with, or incident to the other Party's performance or failure to perform any aspect of this Agreement, provided, however, that if such claims are caused by or result from the concurrent negligence of (a) the UTILITY and (b) the STATE, their respective employees and/or officers, or involves those actions covered by RCW 4.24.115, this indemnity provision shall be valid and enforceable only to the extent of the negligence of the UTILITY or STATE, and provided further, that nothing herein shall require the UTILITY or STATE to hold harmless or defend the other or its employees and/or officers from any claims arising from that Party's sole negligence or that of its employees and/or officers. The terms of this section shall survive the termination of this Agreement.

- 7.2 Disputes: If a dispute occurs between the UTILITY and the STATE at any time during the prosecution of the Work, the Parties agree to negotiate at the management level to resolve any issues. Should such negotiations fail to produce a satisfactory resolution, the Parties agree to enter into arbitration and/or mediation before proceeding to any other legal remedy. Each Party shall be responsible for its own fees and costs. The Parties agree to equally share the cost of a mediator or arbiter.
- 7.3 Venue: In the event that either Party deems it necessary to institute legal action or proceedings to enforce any right or obligation under this Agreement, the Parties hereto agree that any such action or proceedings shall be brought in the superior court situated in Thurston County, Washington. Each Party shall be responsible for its own attorneys' fees and costs.
- 7.4 Termination: In the event funding for the Project or Work is withdrawn, reduced, or limited in any way after the execution date of this Agreement and prior to normal completion, the STATE may terminate the Agreement upon _____ (_____) calendar day notice. In the event of such termination, the STATE and UTILITY shall consult, if necessary, on how the Work shall be brought to a level that is safe for the UTILITY's operation and maintenance. In the event the Work is terminated, the provisions of Sections 2 and 5 shall apply to the Work completed.
- 7.5 Amendments: This Agreement may be amended by the mutual agreement of the Parties. Such amendments or modifications shall not be binding unless put in writing and signed by persons authorized to bind each of the Parties.
- 7.6 Independent Contractor: Both Parties shall be deemed independent contractors for all purposes, and the employees of each Party and any of its contractors, subcontractors, consultants, and the employees thereof, shall not in any manner be deemed to be the employees of the other Party.
- 7.7 Audit and Records: During the progress of the Work and for a period of not less than three (3) years from the termination or completion of this Agreement, the STATE shall maintain the records and accounts pertaining to the Work and shall make them available during normal business hours and as often as necessary, for inspection and audit by the UTILITY and copies of all records, accounts, documents or other data pertaining to the Work will be furnished upon request. The UTILITY shall pay the cost of copies produced. If any litigation, claim or audit is commenced, the records and accounts along with supporting documentation shall be retained until any litigation, claim or audit finding has been resolved even though such litigation, claim or audit continues past the three-year retention period.
- 7.8 Working Days: Working days for this Agreement are defined as Monday through Friday, excluding Washington State holidays per RCW 1.16.050.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the day and year last written below.

UTILITY

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION

By _____

By _____

Name _____

Name _____


Title _____

Title _____

Date _____

Date _____

Utility Construction Agreement Work by State – State Cost
DOT Form 224-077 EF (Page 4 of 4)

To: (Bank or Trust Company)	 Washington State Department of Transportation Escrow Agreement Utilities
Bank	
Address	
Escrow Account Number	
Contract Number	

The undersigned, _____, hereinafter referred to as the Contractor, has directed the Department of Transportation, hereinafter referred to as the Agency, to deliver to you its warrants or checks which shall be payable to you for the Contractor. Such warrants or checks are to be held and disposed of by you in accordance with the following instructions and upon the terms and conditions hereinafter set forth.

Instructions

1. The Agency shall deliver to you from time to time checks or warrants payable to you for the benefit of the Contractor. You are hereby authorized by the Contractor to endorse any such check or warrant so that you may receive the proceeds thereof and invest the same. The power of endorsement hereby granted to you by the Contractor shall be deemed a power coupled with an interest and shall be irrevocable during the term of this escrow. Although you may be a payee named in such warrants or checks as shall be delivered to you, your duties and responsibilities with respect to the same shall be only those duties and responsibilities which a depository bank would have pursuant to Article 4 of the Uniform Commercial Code of the State of Washington and RCW 39.58 et seq for an item deposited with it for collection as of the date such check or warrant shall be delivered to you. The proceeds from collections shall be used by you to purchase, as directed by the Contractor, bonds or other securities chosen by the Contractor and approved by you and the Agency. For the purpose of each such purchase, you may follow the last written direction received by you from the Contractor, provided such direction otherwise conforms with the restrictions on investments recited herein. Attached is a list of such bonds or other securities approved by the Agency. No further approval is necessary if any of these bonds or securities are selected by the Contractor, subject to express written approval of you and the Agency. Purchase of such bonds or other securities shall be in a form which shall allow you alone to reconvert such bonds or other securities into money if you are required to do so by the Agency as provided in paragraph 4 of this Escrow Agreement.

The investments selected by the Contractor, approved by the Agency and purchased by you must mature on or prior to the earlier of (i) the date set for the completion of the contract which is the subject of this Escrow Agreement (the "Contract"), including extensions thereof, or (ii) thirty days following the final acceptance of said improvement or work performed under the Contract.

2. When and as interest on the securities held by you pursuant to this Escrow Agreement accrues and is paid, you shall collect such interest and forward it to the Contractor at its address designated below, unless with your written consent you are otherwise directed in writing by the Contractor.
3. You are not authorized to deliver to the Contractor all or any part of the securities held by you pursuant to this Escrow Agreement (or any monies derived from the sale of such securities, or the negotiation of the Agency's warrants or checks) except in accordance with written instructions from the Agency or by court order or arbitration award. The Agency shall inform you and keep you informed in writing of the name of the person or persons with authority to give you such written instructions. Compliance with such instructions shall relieve you of any further liability related thereto.
4. The estimated completion date for the work to be performed under the Contract is on or about _____. Upon request by you, the Agency shall advise you in writing of any change in this estimated completion date. If the estimated completion date is changed you are authorized to reinvest the monies held hereunder in accordance with the new estimated completion date. Release of the escrow funds held hereunder to the Contractor will have a target release date of sixty (60) days after (a) contract completion, as recorded by the Agency, and (b) advertisement of contract completion in the Daily Journal of Commerce. Release of the escrow funds is also subject to the following: (i) satisfaction of any claims made pursuant to RCW 39.12 and/or RCW 60.28, and (ii) for contracts in excess of \$35,000, the receipt of appropriate releases from the Washington Department of Revenue, the Washington Employment Security Department and the Washington Department of Labor & Industries.
5. In the event the Agency is entitled to payment of the funds held hereunder and the Agency orders you to do so in writing, and notwithstanding any other provisions of this Escrow Agreement, you shall, within thirty-five (35) days of receipt of such order, reconvert into money the securities held by you pursuant to this agreement and return such money together with any other monies, including accrued interest on such securities, held by you hereunder, to the Agency.
6. The Contractor agrees to pay you as compensation for your services hereunder as follows:

Payment of all fees shall be the sole responsibility of the Contractor and shall not be deducted from any property placed with you pursuant to this Escrow Agreement until and unless the Agency directs the release to the Contractor of the securities and monies held hereunder whereupon you shall be granted a first lien upon such property released and shall be entitled to reimburse yourself from such property for the entire amount of your fees and any unanticipated amounts which might be owing as provided for herein. In the event that you are made a party to any litigation with respect to the property held by you hereunder, or in the event that the conditions of this escrow are not promptly fulfilled or that you are required to render any services not provided for in these instructions, or that there is any assignment of the interests of this escrow or any modification hereof, you shall be entitled to reasonable compensation for such extraordinary services from the Contractor and reimbursement from the Contractor for all costs and expenses, including attorney fees occasioned by such default, delay, controversy or litigation.

Escrow Agreement Utilities
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7. Should you at any time and for any reason desire to be relieved of your obligations as escrow holder hereunder, you shall give written notice to the Agency and Contractor. The Agency and Contractor shall, within 20 days of the receipt of such notice, jointly appoint a successor escrow holder and instruct you to deliver all securities and funds held hereunder to said successor. If you are not notified of the appointment of the successor escrow holder within 20 days, you may return the subject matter hereof to the Agency and upon so doing, it absolves you from all further charges and obligations in connection with this escrow.
8. Pursuant to the attachment to this Escrow Agreement, if an election is made to deposit amounts reserved in an interest bearing account in a bank, mutual savings bank, or savings and loan association, the Contractor is to select an institution. Any bank selected must be a "qualified public depository" as defined under RCW 39.58.010. The deposits must be held in a Washington State branch of the qualified public depository as "Public Funds" and insured by the qualified public depository against loss as provided for in RCW 39.58 et seq. Each calendar year, in or about May or June, the Agency shall request, and you shall provide the Agency with, the following information concerning any funds deposited in connection with the contract and account designated herein **as of the close of business on June 30th of that year:** (i) the current balance, (ii) all payments made to you by the Agency, (iii) all interest payments made by you to the Contractor, (iv) the types of securities held (and in what proportion) and (v) any other information deemed relevant by the Agency. The Agency's letter of request shall provide you with a current list of Agency employees authorized to give you written instructions concerning the requirements of this section.
9. This agreement shall not be binding until executed by you, the Contractor, and accepted by the Agency.
10. This instrument contains the entire agreement between you, the Contractor and the Agency with respect to this escrow and you are not a party to nor bound by any instrument or agreement other than this; you shall not be required to take notice of any default or any other matter, nor be bound by nor required to give notice or demand, nor required to take any action whatever except as herein expressly provided; you shall not be liable for any loss or damage not caused by your own negligence or willful misconduct.
11. The foregoing provisions shall be binding upon the assigns, successors, personal representatives and heirs of the parties hereto.

The undersigned have read and hereby approve the instructions as given above governing the administration of this escrow and do hereby execute this agreement this day _____ of _____, _____.

Day Month Year

Contractor	Authorized Signature
Address	Printed Name/Title of Authorized Signer
City, State, Zip Code	

Escrow Agreement Utilities
DOT Form 224-096 EF (Page 3 of 5)

Bank or Trust Company

Contact Phone Number

Authorized Signature

Contact Name

Printed Name/Title of Authorized Signer

Escrow Account Number assigned to this contract

The above escrow agreement received and accepted by Bank or Trust Company, this _____ Day
day of _____, _____
Month Year

Washington State Department of Transportation

Agency

WSDOT AFS Authorized Signature

The escrow agreement accepted this _____ day of _____
Day Month Year

Escrow Agreement Utilities
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List of Type of Bonds or Securities that are Approved by the Department of Transportation.

Please indicate which type of Bonds or Securities that have been selected by checking the appropriate number below.

1. Bills, certificates, notes or bonds of the United States.
2. Other obligations of the United States or its agencies.
3. Obligations of any corporation wholly-owned by the government of the United States.
4. Indebtedness of the Federal National Mortgage Association.
5. Time deposits in Commercial Banks, Mutual Savings Banks or Savings and Loan Associations.
6. Interest Bearing Accounts. When an election is made to deposit amounts reserved in an interest bearing account in a bank, mutual savings bank, or savings and loan association, the Contractor is to select an institution. Any bank selected must be a qualified public depository under RCW 39.58.010.

Funds applied to this account are sent from the Agency and cannot be withdrawn by the contractor without the Agency's written authorization. The amounts deposited are not to be subject to withdrawal until such time as the Agency releases them. Release of such funds to the Contractor will be made pursuant to Section 4. of this Escrow Agreement.

Interest earned on deposits is to be paid to the Contractor as said interest becomes payable under the terms of the deposit, pursuant to Section 2. of this Escrow Agreement. The account is to be appropriately noted by the bank, savings bank, or savings and loan association to enable that institution to report interest payments made to the Contractor to the Internal Revenue Service in the proper format.

In no event shall the Department of Transportation approve investments in stock of any company, association or corporation. In all cases, the investments selected must mature on or prior to the date set for completion of the contract, including extensions thereof.



Stormwater Permit Special Provisions

Permit No. _____

Applicable provisions are denoted by (X)

- 1. No Work (for the intent of this Permit, operation or maintenance) provided for herein shall be performed until the Utility is authorized by the following Washington State Department of Transportation (Department) Representative(s):

Name: _____	Name: _____
Title: _____	Title: _____
Street: _____	Street: _____
City: _____	City: _____
State: _____ Zip: _____	State: _____ Zip: _____
Phone: _____ Cell: _____	Phone: _____ Cell: _____
Fax: _____	Fax: _____

- 2. The Department assumes no responsibility or liability in any manner for any effect its highway drainage system may have on the Utility's system.
- 3. The utility agrees to assume all liability and responsibility, including fines and taxes, for the water quality related to its runoff collection system and for any damages caused by increased flows (that portion of the total rate of flow that is in excess of the natural rate of surface runoff in the undeveloped state) and pollutants discharged. Further, the Utility agrees to accept the liability for the augmented flows added to the Department's system (such as downstream flooding, manhole overflows or any other instance resulting from those added flows)
- 4. The utility agrees to assume all liability and responsibility associated with the design, construction, maintenance, and operation of its Stormwater management and drainage system(s).
- 5. Construction of all Stormwater management facilities shall be part of the initial construction of the system under this Permit.
- 6. For major repair or replacement work, as defined in Special Provisions 11, the Utility shall provide Traffic Control Plans, for approval, and FAX the complete attached "Notification of Maintenance" to the identified Department Representative(s) at least fourteen (14) working days (Monday through Friday excluding any holidays), in advance of commencing Work on state-owned highway right of way.
- 7. Upon receipt of the Maintenance Notification, the Department will advise the Utility if there are any restricted Work timeframes within the state-owned highway right of way. No Work shall be allowed on Saturday, Sunday, or holidays, without prior approval by the Department. In addition, the Utility shall be off the highway by noon the day prior to a holiday unless authorized by the Department. If a holiday falls on a Saturday, the preceding Friday is counted as the holiday, and the Utility shall be off the highway by noon Thursday. When the Holiday falls on a Monday the Utility shall be off the right of way at noon on the preceding Friday. Nothing in this section shall limit the authority of the Department to further restrict work within state-owned highway right of way at the Department's discretion. The hours of closure are subject to change if, required by the Department.

Stormwater Permit Special Provision DOT Form 224-157 EF (Page 1 of 2)

- 8. For major Repair. Anytime Work is underway within the right of way, during the non-working hours, equipment and materials shall not be located or stored within the work zone clear zone (WZCZ) area. Minimum WZCZ distances will be measured from the edge of the traveled way (the portion of the roadway intended for the movement of vehicles, exclusive of shoulders and lanes for parking, turning, and storage for turning) and will be determined as follows:

Posted Speed	Distance From Traveled Way (ft)
35 mph or less	10
40 mph	15
45 to 55 mph	20
60 mph or greater	30

Minimum Work Zone Clear Zone Distance

- 9. The Utility agrees that, in the event any construction and/or maintenance of the highway facility becomes necessary within the proximity of the utility installation, it is expressly understood that, upon request from the Department's representative, the Utility will promptly identify and locate by suitable field markings any and all of its underground facilities so that the Department or its contractor can be fully apprised of their precise locations.

- 10. "Routine Maintenance" of the Drainage System shall include cleaning and repair and/or replacement of any minor failures to structure and /or components and repair of any damage to the state-owned right of way caused by the maintenance and operation of the Drainage System. Routine Maintenance will not require notification to the STATE.

- 11. For major repair and/or replacement work, not defined within Routine Maintenance, the Utility shall provide the Department notification of the need for such repairs and/or replacement work. The Utility is responsible to determine the method of repair to the Drainage System and shall restore Department's right of way to current Department maintenance standards, at the sole cost and expense to the Utility. The Department reserves the right to review damages occurring to the state-owned right of way, as a result of failure of the Drainage System, and oversee the restoration.

Traffic Control Plans shall be submitted with the notification, and approved, prior to any major repair and or replacement work is done.

- 12. The Department shall not be responsible for damages to the Drainage System caused by Utility employees or the Utility's contractors working within state-owned right of way. Should the Utility or its contractors damage the Drainage System, it agrees to notify the Department as soon as practical. The Utility and Department will work together in good faith to agree upon the required repairs. The Utility agrees to make such repairs at its sole cost and expense.

- 13. Maintenance access of this facility will be from SR _____, only.

Stormwater Permit Special Provision
DOT Form 224-157 EF (Page 2 of 2)



Utility Preliminary Engineering Agreement Work by State – Utility Cost			Utility Name and Address
Agreement Number	Region		Project Title / Location
Control Section	State Route	Mileposts From To	
Estimated Agreement Amount			Advanced Payment Amount

This Utility Preliminary Engineering Agreement is made and entered into between the State of Washington Department of Transportation, herein (STATE) and the above named UTILITY.

WHEREAS, the STATE is planning the construction or improvement of the State Route as shown above for the identified STATE Project, and in connection therewith, it is necessary to remove and/or relocate or construct certain UTILITY facilities, and

WHEREAS, it is deemed to be in the best public interest for the STATE to develop the preliminary engineering, including the preparation of plans, specifications and cost estimate, herein the "Work," for the removal, relocation and/or construction of the UTILITY's facilities as part of the STATE's Project, and

WHEREAS, the STATE and the UTILITY intend to enter into a Utility Construction Agreement to cover the actual construction, relocation, and/or removal of the UTILITY's facilities, and

WHEREAS, the UTILITY is responsible for (1) the cost of the Work associated with UTILITY facilities located without a documented ownership of and/or interest in real property, such as being located pursuant to a franchise, a permit, or undocumented permission, (2) all betterments, and (3) new facilities,

NOW, THEREFORE, pursuant to RCW 47.01.210 and chapter 47.44 RCW and in consideration of the terms, conditions, covenants, and performances contained herein, as well as the attached Exhibits which are incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

1. PLANS, SPECIFICATIONS AND ESTIMATES

- 1.1 Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects* shall determine and establish the definitions and applicable standards and payments for this Agreement. By this reference said document is adopted and made a part of this Agreement as if fully contained herein.
- 1.2 Betterment: A betterment is any improvement to the UTILITY's facilities not required by code, regulation, standard industry practice, or any other applicable regulation. If any of the Work constitutes a betterment as defined in the Program Guide: *Utility Relocation and Accommodation on Federal Aid Highway Projects*, the UTILITY is solely responsible for the preliminary engineering costs of such improvement.
- 1.3 The STATE agrees to perform, at the UTILITY's sole cost and expense, the preliminary engineering, including the preparation of plans, specifications and cost estimate, herein the "Work," for the removal, relocation and/or construction of the UTILITY's facilities as part of the STATE's Project to the UTILITY's specifications and/or requirements. The UTILITY agrees to provide the STATE all applicable standards, industry requirements, regulations, codes, or other pertinent information prior to performing the Work. Exhibit A, Special Provisions, including a Scope of Work, and Exhibit C, Plans, are attached.

- 1.4 The UTILITY agrees that when the STATE performs the Work and a consultant is designing the STATE Project, the STATE consultant may also be utilized for the purposes of performing the Work, including incorporating the Work into the STATE construction contract.
- 1.5 The STATE shall provide the Work to the UTILITY for review and approval. The UTILITY agrees to review the Work within _____ (_____) working days and shall: (a) deliver a letter of acceptance to the STATE which shall include a release and waiver of all future claims or demands of any nature resulting from the performance of the Work, or (b) deliver to the STATE written reasons why the Work does not comply with the applicable standards, industry requirements, regulations, codes or other pertinent information supplied by the UTILITY. The UTILITY agrees to work diligently and in good faith with the STATE to resolve any issues so as not to delay advertisement of the STATE Project. If all issues are resolved, the UTILITY agrees to deliver to the STATE a letter of acceptance of the Work which includes a release and waiver of all future claims or demands of any nature resulting from the performance of the Work.
- 1.6 The UTILITY shall be responsible for all costs it incurs in reviewing the Work.
- 1.7 The Parties agree that the STATE is under no obligation to the UTILITY to perform the Work, except as agreed to under this Agreement. Therefore, if the inclusion of the UTILITY Work threatens to delay the STATE's Project, the STATE shall have the unilateral authority to delete the UTILITY Work from the STATE Project and terminate this Agreement. The STATE shall immediately notify the UTILITY of such actions. The UTILITY agrees that it will be responsible for costs incurred by the STATE up to the date of termination, and the STATE agrees to provide to the UTILITY all Work-related documents upon final payment by the UTILITY.
- 1.8 The UTILITY agrees that should the Work be terminated, it shall continue to be obligated to timely design remove, relocate and/or construct its facilities as required by the STATE Project. The UTILITY further agrees that should its actions delay or otherwise damage the STATE Project, it shall be liable for such costs.

2. PAYMENT

- 2.1 The UTILITY agrees that it shall be responsible for the actual direct and related indirect costs of the Work to be performed by the STATE. An itemized estimate of UTILITY-responsible costs for Work to be performed by the STATE on behalf of the UTILITY is included in Exhibit B, Cost Estimate, attached.
- 2.2 The UTILITY agrees to pay the STATE the "Advance Payment Amount" stated above within twenty (20) calendar days after the STATE submits its first partial payment request to the UTILITY. The advance payment represents fifteen (15) percent of the estimate of cost for which the UTILITY is responsible. The advance payment will be carried throughout the life of the Work with final adjustment made in the final invoice.
- 2.3 The Parties acknowledge and agree that the STATE does not have the legal authority to advance state funds for the UTILITY's Work under this Agreement. Should the UTILITY fail to make payment according to the terms of this Agreement, the STATE shall have the right to terminate this Agreement, charging the UTILITY for all costs up to the date of termination and all non-cancellable items. The STATE agrees to provide to the UTILITY all Work-related documents upon final payment by the UTILITY.
- 2.4 The UTILITY, in consideration of the faithful performance of the Work to be performed by the STATE, agrees to pay the STATE for the actual direct and related indirect cost of all Work for which the UTILITY is responsible. The STATE shall invoice the UTILITY and provide supporting documentation therefore, and the UTILITY agrees to pay the STATE within thirty (30) calendar days of receipt of an invoice. A partial payment will not constitute agreement as to the appropriateness of any item and that, at the time of final payment, the Parties will resolve any discrepancies.

3. CHANGE IN WORK OR COST INCREASE

- 3.1 Increase in Cost: In the event unforeseen conditions require an increase in the cost of the Work for which the UTILITY is responsible, the Exhibit B, Cost Estimate (including sales tax, engineering, and contingencies) by more than _____ (_____) percent, the Parties agree to modify Exhibit B to include such cost increase.

- 3.2 If a change in Project design occurs that will affect the Work, the STATE will inform the UTILITY, in writing, of such change and the UTILITY shall respond giving notice of its acceptance or rejection of the change, in writing within _____ (_____) working days of receiving the notice. If the UTILITY rejects the change, the Parties agree to diligently and in good faith work together to reach a mutual resolution. Otherwise, either Party may terminate this Agreement. If terminated, the UTILITY agrees to pay all costs incurred up to the date of termination, including non-cancellable items, and the STATE agrees to provide to the UTILITY all Work-related documents upon final payment by the UTILITY. The UTILITY agrees that should the Work be terminated, it shall continue to be obligated to timely design, remove, relocate and/or construct its facilities as required by the STATE Project. The UTILITY further agrees that should its actions delay or otherwise damage the STATE Project, it shall be liable for such costs.

4. RIGHT OF ENTRY

- 4.1 The UTILITY agrees to arrange for rights of entry upon all privately owned lands upon which the UTILITY has an easement, documented property interest, or permit that are necessary to perform the Work. The UTILITY also agrees to obtain all necessary permissions for the STATE to perform the Work on such lands, which may include reasonable use restrictions on those lands. The UTILITY agrees to provide the rights of entry and applicable permissions to the STATE within _____ (_____) calendar days of entering into this Agreement. Upon completion of the Work on such lands, the rights of entry and permissions shall terminate.

5. GENERAL PROVISIONS

- 5.1 Indemnity: To the extent authorized by law, the UTILITY and STATE shall indemnify and hold harmless one another and their employees and/or officers from and shall process and defend at its own expense any and all claims, demands, suits at law or equity, actions, penalties, losses, damages (both to persons and/or property), or costs, of whatsoever kind or nature, brought against the one Party arising out of, in connection with, or incident to the other Party's performance or failure to perform any aspect of this Agreement; provided however, that if such claims are caused by or result from the concurrent negligence of (a) the UTILITY and (b) the STATE, their employees, and/or officers, or involves those actions covered by RCW 4.24.115, this indemnity provision shall be valid and enforceable only to the extent of the negligence of the UTILITY or STATE, and provided further, that nothing herein shall require the UTILITY or STATE to hold harmless or defend the other or its employees and/or officers from any claims arising from that Party's sole negligence or that of its employees and/or officers. The terms of this section shall survive the termination of this Agreement.
- 5.2 Disputes: If a dispute occurs between the UTILITY and the STATE at any time during the performance of the Work, the Parties agree to negotiate at the management level to resolve any issues. Should such negotiations fail to produce a satisfactory resolution, the Parties agree to enter into arbitration and/or mediation before proceeding to any other legal remedy. Each Party shall be responsible for its own fees and costs. The Parties agree to equally share in the cost of a mediator or arbitrator.
- 5.3 Venue: In the event that either Party deems it necessary to institute legal action or proceedings to enforce any right or obligation under this Agreement, the Parties hereto agree that any such action or proceedings shall be brought in the superior court situated in Thurston County, Washington. Further, the Parties agree that each shall be responsible for its own attorney fees and costs.
- 5.4 Termination:
- 5.4.1 Unless otherwise provided herein, the UTILITY may terminate this Agreement upon thirty (30) calendar days written notice to the STATE. If this Agreement is terminated by the UTILITY prior to the fulfillment of the terms stated herein, the STATE shall be reimbursed for all actual direct and related indirect expenses and costs incurred up to the date of termination associated with the UTILITY Work. Further, the UTILITY acknowledges and agrees that should it terminate this Agreement, such termination shall not relieve the UTILITY from its responsibility to design, remove, relocate and/or construct its facilities so as not to delay or conflict with the STATE's project. The STATE agrees to provide to the UTILITY all Work-related documents upon final payment by the UTILITY.

5.4.2 Unless otherwise provided herein, the STATE may terminate this Agreement, upon thirty (30) days written notice to the UTILITY. Should the STATE terminate this Agreement, the UTILITY shall reimburse the STATE for all actual direct and related indirect expenses and costs incurred by the STATE up to the date of termination. The UTILITY acknowledges and agrees that should the STATE terminate this Agreement, such termination shall not relieve the UTILITY from its responsibility to design, remove, relocate and/or construct its facilities so as not to delay or conflict with the STATE's Project. The STATE agrees to provide to the UTILITY all Work-related documents upon final payment by the UTILITY.

5.5 Amendments: This Agreement may be amended by the mutual agreement of the Parties. Such amendments or modifications shall not be binding unless put in writing and signed by persons authorized to bind each of the Parties.

5.6 Independent Contractor: Both Parties shall be deemed independent contractors for all purposes, and the employees of each Party and any of its contractors, subcontractors, consultants, and the employees thereof, shall not in any manner be deemed to be the employees of the other Party.

5.7 Audit and Records: During the progress of the Work and for a period of not less than three (3) years from the date of final payment, both Parties shall maintain the records and accounts pertaining to the Work and shall make them available during normal business hours and as often as necessary, for inspection and audit by the other Party, State of Washington, and/or Federal Government and copies of all records, accounts, documents or other data pertaining to the Work will be furnished upon request. The requesting Party shall pay the cost of copies produced. If any litigation, claim or audit is commenced, the records and accounts along with supporting documentation shall be retained until any litigation, claim or audit finding has been resolved even though such litigation, claim or audit continues past the three-year retention period.

5.8 Working Days: Working days are defined as Monday through Friday, excluding Washington State holidays per RCW 1.16.050

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the day and year last written below.

UTILITY

**STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION**

By _____

By _____

Name _____

Name _____

Title _____

Title _____

Date _____

Date _____

Utility Preliminary Engineering Agreement Work by State – Utility Cost
DOT Form 224-301 EF (Page 4 of 4)



Application for Utility Permit (Stormwater Discharge)

Permit/Franchise No.

Applicant - Please print or type all information

Application is Hereby Made For: Permit Category 2 \$300.00
 Amendment
 Permit / Renewal \$250.00

To Construct, Operate, and/or Maintain Stormwater Discharge onto a portion of
 State Route _____ (at/from) MilePost _____ to Mile Post _____ in _____ County,
 to begin in the _____ Section _____ Township _____ North: Range _____ West/East W.M. _____
 and end in the _____ Section _____ Township _____ North: Range _____ West/East W.M. _____

Fees in the amount of \$ _____ are paid to cover the basic administrative expenses incident to the processing of this application according to WAC 468-34 and RCW 47.44 and amendments thereto. The applicant promises to pay any additional costs incurred by the Washington State Department of Transportation (Department) on behalf of the applicant.

Checks or Money Orders are to be made payable to "Washington State Department of Transportation."

Applicant (Referred to as Utility) _____ Address _____ City _____ State _____ Zip Code _____ Telephone _____ Email _____ Applicant Reference (WO) Number _____	Applicant Authorized Signature _____ Print or Type Name _____ Title _____ Dated this _____ day of _____, _____ Federal Tax ID Number or Social Security Number _____
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Authorization to Occupy Only If Approved Below

The Department hereby grants this Stormwater Discharge Permit (Permit), subject to the terms and conditions stated in the Stormwater Discharge General Provisions, Special Provisions, and Exhibits attached hereto and by this reference made a part hereof.

For Department Use Only	
Exhibits Attached _____	<p>Department Approval</p> By: _____ Title: _____ Date: _____
This Permit Expires ten years from the effective date, but may be renewed upon the Department's review and verification that the installation meets all applicable requirements at the time of renewal.	

Application for Utility Permit (Stormwater Discharge)
 DOT Form 224-693 EF (Page 1 of 5)

Stormwater Discharge General Provisions

This Permit is issued pursuant to the terms of RCW 47.32, RCW 47.44, and WAC 468-34, and amendments thereto.

Provisions for the CONSTRUCTION of stormwater discharge facilities (facilities):

1. A copy of this Permit must be on the job site, protected from the elements, at all times during any construction authorized by this Permit.
2. The Utility agrees to pay the reasonable costs of the Department for investigating, handling, and granting the Permit, including but not limited to basic overhead charges and for providing an inspector during construction and/or maintenance of the Utility's facilities. Further, the Utility agrees that it shall be responsible for and pay the Department's expended direct and indirect costs associated with applicable provisions of the Permit.
 - (a) The Department will assign a reimbursable account to the Utility as a means of invoicing the Utility for the costs associated with this Permit.
 - (b) The Department will invoice the Utility and the Utility agrees to pay the Department within thirty (30) calendar days of the invoice date.
3. Upon approval of this Permit, the Utility shall diligently proceed with the Work and comply with all Stormwater Discharge General and Special provisions herein. Construction of facilities proposed under this Permit shall begin within one (1) year and must be completed within three (3) years from date of Department approval. "Work" under this Permit shall mean construction, operation, and maintenance of the Utility's facilities as authorized herein.
4. Should the Utility breach any of the conditions and requirements of this Permit, or should the Utility fail to proceed with due diligence and in good faith with the Work as authorized by this Permit, the Department may cancel or revoke the Permit upon thirty (30) calendar days written notice to the Utility.
5. The Utility shall notify the Department representative in special provision 1 of the name, address, and telephone number of its contractor when the Work is going to be performed with other than its own forces. When the Utility uses a contractor, an authorized representative of the Utility shall be present or available at all times unless otherwise agreed to by the Department representative. A list of authorized representatives shall be submitted prior to the construction start date. (Authorized representatives are defined as persons having signatory authority for the Utility and or the authority to control the Work as needed for any issues identified by the Department.)
6. The Utility agrees to schedule and perform its Work in such a manner as not to delay the Department's Maintenance activities or the Department's contractor's work when the Department has a contractor performing work in the vicinity of the Utility's Work.
7. All contact between the Department and the Utility's contractor shall be through the Utility representative. Where the Utility chooses to perform the Work with its own forces, it may elect to appoint one of its own employees engaged in the Work as its representative. The Utility, at its own expense, shall adequately police and supervise all Work performed by itself, its contractor, subcontractor, agent, and/or others, so as not to endanger or injure any person or property.
8. The Utility shall contact the identified Department representative two (2) weeks prior to conducting Work, to determine the location of survey control monuments within the area in which the Utility will be working. In the event any monument or right of way marker will be altered, damaged, or destroyed by the Utility, the Department, prior to Utility Work, will reference or reset the monument or right of way marker. During the Work, upon discovery of a monument or right of way marker, the Utility shall cease Work in that area and immediately notify the Department of the discovery. The Department will coordinate with the Utility to ensure that the monument or right of way marker is recorded or replaced. The Utility agrees to pay all Department costs to perform monument or right of way marker work, as provided in this provision, in accordance with Stormwater Discharge General Provision 2.
9. In the event any milepost, fence, or guardrail is located within the limits of the Utility's Work and will be disturbed during Utility Work, the Utility agrees to carefully remove these highway facilities prior to Utility Work and reset or replace these highway facilities after the Utility Work, to the Department's sole satisfaction and at the sole cost of the Utility. The Utility agrees that all highway signs and traffic control devices shall not be removed or disturbed during Utility Work.
10. The Utility agrees that all Work shall be done to the satisfaction of the Department. All material and workmanship shall conform to the Department's Standard Specifications for Road, Bridge, and Municipal Construction, current edition, and amendments thereto, and shall be subject to Department inspection. All Department acceptance and inspections are solely for the benefit of the Department and not for the benefit of the Utility, the Utility's contractor (if any), or any third party. The Utility agrees that it shall pay all Department inspection costs in accordance with Stormwater Discharge General Provision 2.

11. The Utility shall provide proof of insurance coverage prior to performing any Work within state-owned highway right of way, as follows:
- (a) Commercial General Liability covering the risks of bodily injury (including death), property damage, and personal injury, including coverage for contractual liability, with a limit of not less than \$3 million per occurrence and in the aggregate;
 - (b) Business Automobile Liability (owned, hired, or non-owned) covering the risks of bodily injury (including death) and property damage, including coverage for contractual liability, with a limit of not less than \$1 million per accident; and
 - (c) Employers Liability covering the risks of Utility's employees' bodily injury by accident or disease, with limits of not less than \$1 million per accident for bodily injury by accident and \$1 million per employee for bodily injury by disease.

Such insurance policies or related certificates of insurance shall name the Washington State Department of Transportation as an additional insured on all general liability, automobile liability, employers' liability, and excess policies. A forty-five (45) calendar day written notice shall be given to the Department prior to termination of or any material change to the policy(ies) as such relate(s) to this Permit.

12. If the Utility is a city or county, it shall provide verification of insurance coverage at a minimum in the amounts and types identified in Section 11 to the Department by submitting proof of its coverage through a Risk Pool or verification that the city or county is self-insured, to comply with the Section 11 insurance terms and conditions of this Permit. If allowable under its coverage, the city or county shall name the Washington State Department of Transportation as an additional insured for the coverage required by this section.
13. The Utility shall comply with the Manual on Uniform Traffic Control Devices for Streets and Highways (Federal Highway Administration) and the State of Washington modifications thereto (chapter 468-95 WAC) while it performs the Work. If the Department requires, the Utility shall submit a signing and traffic control plan to the Department's representative for approval prior to construction or maintenance Work. No lane closures shall be allowed except as approved by the Department's representative. Approvals may cause revision of Special Provisions of this Permit, including hours of operation.
14. This Permit may not be amended or modified without the Department's prior review and written approval. Upon completion of the Work, the Utility shall notify the Department's representative within ten (10) calendar days for the Department's final inspection, and the Utility shall provide the Region Utilities Engineer with detailed as-built drawings within ninety (90) calendar days of Work completion, if the originally approved Permit construction plans have been revised during the course of construction.
15. The Utility shall not excavate or place any obstacle within the state-owned highway right of way in such a manner as to interfere with the Department's construction, operation, and maintenance of the state-owned highway right of way or the public's travel thereon without first receiving the Department's written authorization.
16. The Utility agrees to maintain, at its sole expense, its facilities authorized by this Permit in a condition satisfactory to the Department.
17. The Utility agrees that it is financially responsible to the Department for all necessary expenses incurred in inspecting the construction and restoring the highway pavement or related transportation equipment or facilities to a permanent condition suitable for travel as solely determined by the Department, as well as financially responsible to the Department for trenching work not completed and for compensating the Department for the loss of useful pavement life caused by trenching as required by RCW 47.44.020.
18. Upon completion of all Work, the Utility shall immediately remove all rubbish and debris from the state-owned highway right of way, leaving the state-owned highway right of way in a neat, presentable, and safe condition to the Department's satisfaction. Any Work-related rubbish and debris clean up, or any necessary slope treatment to restore and/or protect the state-owned right of way, not done within one (1) week of Work completion, unless otherwise agreed to by the Department, will be done by the Department at the expense of the Utility. The Utility agrees to pay the Department's expended costs and expenses for performing the work in accordance with Stormwater Discharge General Provision 2.

19. The Utility shall comply with the *Department's Temporary Erosion and Sediment Control Manual* (M 3103.01) and any revisions thereto, for erosion control and/or to mitigate any erosion occurring as a result of the Work. If the Utility Work performed under this Permit alters, modifies, changes, or interferes in any way with the drainage of the state-owned highway right of way, the Utility shall, at its own expense, make all corrections and/or provisions the Department requires to fix and restore the state-owned right of way drainage to its original condition and function prior to the Utility's Work. Any flows from the Utility shall not exceed the flows discharging to WSDOT drainage prior to the new work. Any flows discharged to state-owned highway right of way shall meet the requirements for quantity and water quality according to the current version *Highway Runoff Manual* (M 31-16). Should the Utility not make the required drainage restoration, the Department reserves the right to make such changes as necessary to restore the original drainage function at the sole cost of the Utility, and the Utility agrees to pay the Department's expended costs and expenses for performing the work in accordance with Stormwater Discharge General Provision 2.
20. The Utility shall be responsible for securing all necessary permits, including but not limited to, federal, state, and local regulatory, tribal, environmental, archeological, and railroad permits and permits from the Washington State Department of Ecology, the Washington State Department of Fish and Wildlife, and/or the U.S. Army Corps of Engineers prior to beginning the Work authorized by this Permit. The Utility shall be responsible for mitigation measures where wetlands have been disturbed and agrees that it is responsible for any fines imposed for noncompliance with the permit(s) conditions or for failure to obtain the required permits. In addition, the Utility, on behalf of itself and its contractors, officers, officials, employees, and agents, agrees to indemnify, hold harmless, and defend, at its sole cost and expense, the Department and its officers, officials, employees, and agents from any and all fines, costs, claims, judgments, and/or awards of damages (to regulatory agencies, persons, and/or property), arising out of, or in any way resulting from, the Utility's failure to (1) obtain any required permit for the Utility Work or (2) comply with permit conditions. Further, the Utility shall be responsible for compliance with all federal, state, and local laws, regulations. Utility also agrees to pay any costs incurred by the Department, including attorneys fees, pursuant to the provisions of this section in accordance with Stormwater Discharge General Provision 2.
21. For any of the Utility's Work that requires permit coverage under the "CONSTRUCTION STORMWATER GENERAL PERMIT – National Pollutant Discharge Elimination System and State Waste Discharge General Permit for Stormwater Discharges Associated with Construction Activity" (Construction Stormwater General Permit), the Utility shall obtain said permit coverage and shall comply with all requirements of the Construction Stormwater General Permit. Upon the Department's request, the Utility shall provide a copy of the Construction Stormwater General Permit. In addition, the Utility, on behalf of itself and its contractors, officers, officials, employees, and agents, agrees to indemnify, hold harmless, and defend, at its sole cost and expense, the Department and its officers, officials, employees, and agents from any and all fines, costs, claims, judgments, and/or awards of damages to regulatory agencies, persons, and/or property, arising out of, or in any way resulting from, the Utility's failure to (1) obtain coverage under the Construction Stormwater General Permit for Utility Work or (2) comply with the Construction Stormwater General Permit requirements. Utility also agrees to pay any costs incurred by the Department, including attorneys fees, pursuant to the provisions of this section in accordance with Stormwater Discharge General Provision 2.
22. This Permit does not authorize the Utility, or its employees, contractors, or agents, any right to cut, spray, retard, remove, destroy, disfigure, or in any way modify the physical condition of any vegetative material located on the state-owned highway right of way. Should the Utility anticipate that its Work will alter the appearance of the state-owned highway right of way vegetation, the Utility shall notify the Department representative listed in special provision 1 to obtain the Department's prior written approval of the Utility's proposed work. If the Department permits the Utility to modify the state-owned highway right of way vegetation, it agrees that any vegetation cutting and/or trimming activities shall be conducted in such a manner that the state-owned highway right of way vegetation appearance will not be damaged. Should the Utility damage the appearance of the state-owned highway right of way vegetation without the Department's prior written approval, the Utility is subject to penalties provided for in RCWs 47.40.070, 47.40.080, and 4.24.630, as applicable.

Provisions for Stormwater Discharge OCCUPANCY of state-owned right of way:

23. If the Department, at its sole discretion, shall determine that any or all of the Utility's facilities must be modified, removed from, or relocated within the state-owned highway right of way as necessary, incidental, or convenient for the construction, alteration, improvement, repair, relocation, or maintenance of the state highway, or for the safety of the traveling public, the Utility, its successors and assigns, shall, at its sole cost and expense, upon written notice by the Department, modify, relocate, or remove any or all of its facilities within or from the state-owned highway right of way as required by the Department. The Utility shall perform in a timely manner all facility modifications, relocations, and/or removals as the Department directs, to avoid highway project impacts or delays and in such manner as will cause the least disruption of traffic or interference with the Department's continued operation and/or maintenance of the highway.

24. Should the Utility fail or refuse to comply with the Department's direction, pursuant to Stormwater Discharge General Provision 23, to modify, remove, or relocate any Utility facility, the Department may undertake and perform any modification, removal, or relocation of the Utility facility that the Department, in its sole discretion, deems necessary. The Utility agrees to pay the Department's expended costs and expenses for performing the work, in accordance with Stormwater Discharge General Provision 2.
25. If the Department determines in good faith that emergency maintenance work on the Utility's facility is needed to (a) protect any aspect of the state highway right of way or (b) secure the safety of the traveling public due to a failure of the Utility's facility, the Department may perform the necessary work without the Utility's prior approval, and the Utility agrees to pay the Department's expended costs and expenses for performing the work in accordance with Stormwater Discharge General Provision 2. The Department will notify the Utility of the emergency work performed as soon as practicable.
26. The Department may amend, revoke, or cancel this Permit at any time by giving written notice to the Utility. If the Permit is amended, the Utility will have thirty (30) calendar days to modify the facility as the Permit amendment(s) require. If the facility modifications cannot be made within thirty (30) calendar days, the Utility shall respond to the Department, in writing, as to when the facility modifications can be made. If the Permit is revoked or canceled, the Utility shall immediately remove all facilities from the right of way. Any facilities remaining upon the right of way thirty (30) calendar days after written notice of Permit revocation or cancellation may be removed by the Department at the expense of the Utility. The Utility agrees to pay the Department's expended costs and expenses for performing the work in accordance with Stormwater Discharge General Provision 2.
27. The Utility shall not assign or transfer this Permit without the Department's prior written approval. The Utility understands that any assignment or transfer requires the assignee or transferee to have the means to assume all obligations, duties, and liabilities of the terms and conditions of this Permit, and the Utility will advise the assignee or transferee of its obligation to apply for an updated or replacement Permit. If the Department does not approve the assignment or transfer, this Permit shall automatically terminate, and the Utility shall be subject to the terms of RCW 47.44.060.
28. The Utility, its successors and assigns, shall indemnify, defend at its sole cost and expense, and hold harmless the State of Washington, its officers and employees, from all claims, demands, damages both to persons and/or property, expenses, regulatory fines, and/or suits that (1) arise out of or are incident to any acts or omissions of the Utility, its agents, contractors, and/or employees, in the use of the state-owned highway right of way as authorized by the terms and conditions of this Permit, or (2) are caused by the breach of any of the terms or conditions of this Permit by the Utility, its successors and assigns, and its contractors, agents, and/or employees. The Utility, its successors and assigns, shall not be required to indemnify, defend, or hold harmless the State of Washington, its officers and/or employees, if the claim, suit, or action for damages both to persons and/or property is caused by the sole acts or omissions of the State of Washington, its officers and/or employees; provided that, if such claims, suits, or actions result from the concurrent negligence of (a) the State of Washington, its officers and/or employees, and (b) the Utility, its successors or assigns, agents, contractors, and/or employees, or involves those actions covered by RCW 4.24.115, the indemnity provisions provided herein shall be valid and enforceable only to the extent of the acts or omissions of the Utility, its successors or assigns, agents, contractors, and/or employees.
29. The Utility agrees that its obligations under this Permit extend to any claim, demand, and/or cause of action brought by, or on behalf of, any of its employees or agents while performing Work under this Permit while located on state-owned highway right of way. For this purpose, the Utility, by MUTUAL NEGOTIATION, hereby waives, with respect to the State of Washington only, any immunity that would otherwise be available to it against such claims under the Industrial Insurance provisions in chapter 51.12 RCW.
30. The Insurance requirements in Stormwater Discharge General Provisions 11 and 12 shall also apply to the Utility's occupancy of the state-owned highway right of way.
31. The indemnification and waiver provided for in Stormwater Discharge General Provisions 28 and 29 shall survive the termination of this Permit.
32. Any action for damages against the State of Washington, its agents, contractors, and/or employees, arising out of damages to a utility or other facility located on state-owned highway right of way, shall be subject to the provisions and limitations of RCW 47.44.150.
33. This Permit shall not be deemed or held to be an exclusive one and shall not prohibit the Department from granting rights of like or other nature to other public or private utilities, nor shall it prevent the Department from using any of the state-owned highway right of way or other properties for transportation purposes, or affect the Department's right to full supervision and control over all or any part of the state-owned highway right of way or properties, none of which is hereby surrendered.



Application for Utility Permit or Franchise

Permit/Franchise No.

Applicant - Please print or type all information

Application is Hereby Made For: Permit Franchise Amendment Franchise Consolidation \$300.00 Franchise Renewal \$250.00 Category 1 \$500.00 Category 2 \$300.00 Category 3 \$150.00

Intended Use of State Right of Way is to Construct, Operate, and Maintain a:

_____ on a portion of
 State Route _____ (at/from) MilePost _____ to Mile Post _____ in _____ County,
 to begin in the _____ Section _____ Township _____ North: Range _____ East W.M.
 and end in the _____ Section _____ Township _____ North: Range _____ East W.M.

Fees in the amount of \$ _____ are paid to cover the basic administrative expenses incident to the processing of this application according to WAC 468-34 and RCW 47.44 and amendments thereto. The applicant promises to pay any additional costs incurred by the Washington State Department of Transportation (Department) on the behalf of the applicant.

Checks or Money Orders are to be made payable to "Washington State Department of Transportation."

Applicant (Referred to as Utility) _____	Applicant Authorized Signature _____
Address _____	Print or Type Name _____
City _____ State _____ Zip Code _____	Title _____
Telephone _____	Dated this _____ day of _____, _____
Applicant Reference (WO) Number _____	Federal Tax ID Number or Social Security Number _____

Authorization to Occupy Only If Approved Below

The Department hereby grants this Permit or Franchise, as applicable, subject to the terms and conditions stated in the General Provisions, Special Provisions, and Exhibits attached hereto and by this reference made a part hereof.

For Department Use Only

Exhibits Attached	<p>Department Approval</p> <p>By: _____</p> <p>Title: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>
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General Provisions

This Permit or Franchise is issued pursuant to the terms of RCW 47.32, RCW 47.44, and WAC 468-34, and amendments thereto. Renewal of a Franchise must be by application prior to expiration of this Franchise as required by RCW 47.44.020(3).

1. A copy of this Permit or Franchise must be on the job site, protected from the elements, at all times during any construction authorized by this Permit or Franchise.
2. The Utility agrees to pay the reasonable costs for investigating, handling, and granting the Permit or Franchise, including, but not limited to basic overhead charges and for providing an inspector during construction and/or maintenance of the Utility's facilities. Further, the Utility agrees that it shall be responsible for and pay the Department's expended direct and indirect costs associated with applicable provisions of the Permit or Franchise.
 - (a) The Department will assign a reimbursable account to the Utility as a means of invoicing the Utility for the costs associated with this Permit or Franchise.
 - (b) The Department will invoice the Utility and the Utility agrees to pay the Department within thirty (30) calendar days of receipt of an invoice.
3. Upon approval of this Permit or Franchise, the Utility shall diligently proceed with the Work and comply with all General and Special provisions herein. Construction of facilities proposed under this Permit or Franchise shall begin within one (1) year and must be completed within three (3) years from date of Department approval. "Work" under this Permit or Franchise shall mean construction, operation, and maintenance of the Utility's facilities as authorized herein.
4. The Utility shall notify the Department representative in special provision 1 of the name, address, and telephone number of its contractor when Work outlined herein is going to be performed with other than its own forces. When the Utility uses a contractor, an authorized representative of the Utility shall be present or available at all times unless otherwise agreed to by the Department representative. A list of authorized representatives shall be submitted prior to the construction start date. (Authorized representatives are defined as persons having signatory authority for the Utility and or the authority to control the Work as needed for any issues identified by the Department.)
5. The Utility agrees to schedule and perform its Work in such a manner as not to delay the Department's contractor's work when the Department has a contractor performing work in the vicinity of the Utility's Work.
6. All contact between the Department and the Utility's contractor shall be through the Utility representative. Where the Utility chooses to perform the Work with its own forces, it may elect to appoint one of its own employees engaged in the Work as its representative. The Utility, at its own expense, shall adequately police and supervise all Work performed by itself, its contractor, subcontractor, agent, and/or others, so as not to endanger or injure any person or property.
7. The Utility shall contact the identified Department representative two (2) weeks prior to conducting Work, to determine the location of survey control monuments within the area in which the Utility will be working. In the event any monument or right of way marker will be altered, damaged, or destroyed by the Utility, the Department, prior to Utility Work, will reference or reset the monument or right of way marker. During the Work, upon discovery of a monument or right of way marker, the Utility shall cease Work in that area and immediately notify the Department of the discovery. The Department will coordinate with the Utility to ensure that the monument or right of way marker is recorded or replaced. The Utility agrees to pay all Department costs to perform monument or right of way marker work, as provided in this provision, in accordance with general provision 2.
8. In the event any milepost, fence, or guardrail is located within the limits of the Utility's Work and will be disturbed during Utility Work, the Utility agrees to carefully remove these highway facilities prior to Utility Work and reset or replace these highway facilities after the Utility Work, to the Department's sole satisfaction and at the sole cost of the Utility. The Utility agrees that all highway signs and traffic control devices shall not be removed or disturbed during Utility Work.
9. The Utility agrees that all Work shall be done to the satisfaction of the Department. All material and workmanship shall conform to the Department's *Standard Specifications for Road, Bridge, and Municipal Construction*, current edition, and amendments thereto, and shall be subject to Department inspection. All Department acceptance and inspections are solely for the benefit of the Department and not for the benefit of the Utility, the Utility's contractor (if any), or any third party. The Utility agrees that it shall pay all Department inspection costs in accordance with general provision 2.

10. The Utility shall comply with the *Manual on Uniform Traffic Control Devices for Streets and Highways* (Federal Highway Administration) and the State of Washington modifications thereto (chapter 468-95 WAC) while it performs the Work. If the Department requires, the Utility shall submit a signing and traffic control plan to the Department's representative for approval prior to construction or maintenance Work. No lane closures shall be allowed except as approved by the Department's representative. Approvals may cause revision of Special Provisions of this Permit or Franchise, including hours of operation.
11. This Permit or Franchise may not be amended or modified without the Department's prior review and approval. Upon completion of the Work, the Utility shall provide a written notice of completion of the Work to the Department's representative within ten (10) calendar days of the completion of the Work so that the Department may make its final inspection. Further, the Utility shall provide the Region Utilities Engineer with detailed as-built drawings within ninety (90) calendar days of Work completion, if the originally approved Permit or Franchise construction plans have been revised during the course of construction.
12. If the Department, at its sole discretion, shall determine that any or all of the Utility's facilities must be modified, removed from, or relocated within the state-owned highway right of way as necessary, incidental, or convenient for the construction, alteration, improvement, repair, relocation, or maintenance of the state highway, or for the safety of the traveling public, the Utility, its successors and assigns, shall, at its sole cost and expense, upon written notice by the Department, modify, relocate, or remove any or all of its facilities within or from the state-owned highway right of way as required by the Department. The Utility shall perform in a timely manner all facility modifications, relocations, and/or removals as the Department directs, to avoid highway project impacts or delays and in such manner as will cause the least disruption of traffic or interference with the Department's continued operation and/or maintenance of the highway.
13. Should the Utility fail or refuse to comply with the Department's direction, pursuant to general provision 9, to modify, remove, or relocate any Utility facility, the Department may undertake and perform any modification, removal, or relocation of the Utility facility that the Department, in its sole discretion, deems necessary. The Utility agrees to pay the Department's expended costs and expenses for performing the work, in accordance with general provision 2.
14. If the Department determines in good faith that emergency maintenance work on the Utility's facility is needed to (a) protect any aspect of the state highway right of way, or (b) secure the safety of the traveling public due to a failure of the Utility's facility, the Department may perform the necessary work without the Utility's prior approval, and the Utility agrees to pay the Department's expended costs and expenses for performing the work in accordance with general provision 2. The Department will notify the Utility of the emergency work performed as soon as practicable.
15. The Department may amend, revoke, or cancel this Permit or Franchise at any time by giving written notice to the Utility. If the Permit or Franchise is amended, the Utility will have thirty (30) calendar days to modify the facility as the Permit or Franchise amendment(s) require. If the facility modifications cannot be made within thirty (30) calendar days, the Utility shall respond to the Department, in writing, as to when the facility modifications can be made. If the Permit or Franchise is revoked or canceled, the Utility shall immediately remove all facilities from the right of way. Any facilities remaining upon the right of way thirty (30) calendar days after written notice of Permit or Franchise revocation or cancellation may be removed by the Department at the expense of the Utility. The Utility agrees to pay the Department's expended costs and expenses for performing the work in accordance with general provision 2.
16. Should the Utility breach any of the conditions and requirements of this Permit or Franchise, or should the Utility fail to proceed with due diligence and in good faith with the Work as authorized by this Permit or Franchise, the Department may cancel or revoke the Permit or Franchise upon thirty (30) calendar days written notice to the Utility.
17. The Utility shall not excavate or place any obstacle within the state-owned highway right of way in such a manner as to interfere with the Department's construction, operation, and maintenance of the state-owned highway right of way or the public's travel thereon without first receiving the Department's written authorization.
18. The Utility agrees to maintain, at its sole expense, its facilities authorized by this Permit or Franchise in a condition satisfactory to the Department.
19. The Utility agrees that it is financially responsible to the Department for all necessary expenses incurred in inspecting the construction and restoring the highway pavement or related transportation equipment or facilities to a permanent condition suitable for travel as determined by the Department, as well as financially responsible to the Department for trenching work not completed and for compensating the Department for the loss of useful pavement life caused by trenching as required by RCW 47.44.020.

20. Upon completion of all Work, the Utility shall immediately remove all rubbish and debris from the state-owned highway right of way, leaving the state-owned highway right of way in a neat, presentable, and safe condition to the Department's satisfaction. Any Work-related rubbish and debris clean up, or any necessary slope treatment to restore and/or protect the state-owned right of way, not done within one (1) week of Work completion, unless otherwise negotiated, will be done by the Department at the expense of the Utility. The Utility agrees to pay the Department's expended costs and expenses for performing the work in accordance with general provision 2.
21. For the benefit and safety of the traveling public, the Utility voluntarily agrees to permit the Department to attach and maintain upon any Utility facility under this Permit or Franchise any required traffic control devices, such as traffic signals, luminaires, and overhead suspended signs, when the use of such devices or attachments does not interfere with the use for which the facility was constructed. The Department shall bear the cost of attachment and maintenance of such traffic control devices, including the expended cost of any extra Utility infrastructure construction beyond what is necessary for the Utility's facility; such extra cost to be jointly determined by the Department and the Utility. The Department shall not share in the Utility facilities' cost of installation, operation, or maintenance of any of the facilities installed under this Permit or Franchise.
22. The Utility shall comply with the Department's *Highway Runoff Manual* (M 31-16) and any revisions thereto, for erosion control and/or to mitigate any erosion occurring as a result of the Work. If the Utility Work performed under this Permit or Franchise alters, modifies, changes, or interferes in any way with the drainage of the state-owned highway right of way, the Utility shall, at its own expense, make all corrections and/or provisions the Department requires to fix and restore the state-owned right of way drainage to its original condition and function prior to the Utility's Work. Should the Utility not make the required drainage restoration, the Department reserves the right to make such changes as necessary to restore the original drainage function at the sole cost of the Utility, and the Utility agrees to pay the Department's expended costs and expenses for performing the work in accordance with general provision 2.
23. The Utility shall be responsible for securing all necessary permits, including but not limited to, federal, state, and local regulatory, tribal, environmental, archeological, and railroad permits and permits from the Washington State Department of Ecology, the Washington State Department of Fish and Wildlife, and/or the U.S. Army Corps of Engineers prior to beginning the Work authorized by this Permit or Franchise. The Utility shall be responsible for mitigation measures where wetlands have been disturbed and agrees that it is responsible for any fines imposed for noncompliance with the permit(s) conditions or for failure to obtain the required permits. In addition, the Utility, on behalf of itself and its contractors, officers, officials, employees, and agents, agrees to indemnify, hold harmless, and defend, at its sole cost and expense, the Department and its officers, officials, employees, and agents from any and all fines, costs, claims, judgments, and/or awards of damages (to regulatory agencies, persons, and/or property), arising out of, or in any way resulting from, the Utility's failure to (1) obtain any required permit for the Utility Work or (2) comply with permit conditions. Further, the Utility shall be responsible for compliance with all federal, state, and local laws, regulations.
24. For any of the Utility's Work that requires permit coverage under the "CONSTRUCTION STORMWATER GENERAL PERMIT – National Pollutant Discharge Elimination System and State Waste Discharge General Permit for Stormwater Discharges Associated with Construction Activity" (Construction Stormwater General Permit), the Utility shall obtain said permit coverage and shall comply with all requirements of the Construction Stormwater General Permit. Upon the Department's request, the Utility shall provide a copy of the Construction Stormwater General Permit. In addition, the Utility, on behalf of itself and its contractors, officers, officials, employees, and agents, agrees to indemnify, hold harmless, and defend, at its sole cost and expense, the Department and its officers, officials, employees, and agents from any and all fines, costs, claims, judgments, and/or awards of damages (to regulatory agencies, persons, and/or property), arising out of, or in any way resulting from, the Utility's failure to (1) obtain coverage under the Construction Stormwater General Permit for Utility Work or (2) comply with the Construction Stormwater General Permit requirements.
25. This Permit or Franchise does not authorize the Utility, or its employees, contractors, or agents, any right to cut, spray, retard, remove, destroy, disfigure, or in any way modify the physical condition of any vegetative material located on the state-owned highway right of way. Should the Utility anticipate that its Work will alter the appearance of the state-owned highway right of way vegetation, the Utility shall notify the Department representative listed in special provision 2 to obtain the Department's prior written approval of the Utility's proposed work. If the Department permits the Utility to modify the state-owned highway right of way vegetation, it agrees that any vegetation cutting and/or trimming activities shall be conducted in such a manner that the state-owned highway right of way vegetation appearance will not be damaged. Should the Utility damage the appearance of the state-owned highway right of way vegetation without the Department's prior written approval, the Utility is subject to penalties provided for in RCWs 47.40.070, 47.40.080, and 4.24.630, as applicable.

26. The Utility hereby certifies that its facilities described in this Permit or Franchise are (1) in compliance with the Control Zone Guidelines, or (2) for a franchise consolidation or renewal, a mitigation plan has been submitted and approved for any existing Location I or Location II utility objects to be corrected in accordance with the Control Zone Guidelines, pursuant to Chapter 9 of the Department's *Utilities Manual* (M 22-87) and any revisions thereto.
27. The Utility shall not assign or transfer this Permit or Franchise without the Department's prior written approval. The Utility understands that any assignment or transfer requires the assignee or transferee to have the means to assume all obligations, duties, and liabilities of the terms and conditions of this Permit or Franchise, and the Utility will advise the assignee or transferee of its obligation to apply for an updated or replacement Permit or Franchise. If the Department does not approve the assignment or transfer, this Permit or Franchise shall automatically terminate, and the facility occupying state-owned highway right of way shall be subject to the terms of RCW 47.44.060.
28. The Utility, its successors and assigns, shall indemnify, defend at its sole cost and expense, and hold harmless the State of Washington, its officers and employees, from all claims, demands, damages (both to persons and/or property), expenses, regulatory fines, and/or suits that (1) arise out of or are incident to any acts or omissions of the Utility, its agents, contractors, and/or employees, in the use of the state-owned highway right of way as authorized by the terms and conditions of this Permit or Franchise, or (2) are caused by the breach of any of the terms or conditions of this Permit or Franchise by the Utility, its successors and assigns, and its contractors, agents, and/or employees. The Utility, its successors and assigns, shall not be required to indemnify, defend, or hold harmless the State of Washington, its officers and/or employees, if the claim, suit, or action for damages (both to persons and/or property) is caused by the acts or omissions of the State of Washington, its officers and/or employees; provided that, if such claims, suits, or actions result from the concurrent negligence of (a) the State of Washington, its officers and/or employees, and (b) the Utility, its agents, contractors, and/or employees, or involves those actions covered by RCW 4.24.115, the indemnity provisions provided herein shall be valid and enforceable only to the extent of the acts or omissions of the Utility, its agents, contractors, and/or employees.
29. The Utility agrees that its obligations under this Permit or Franchise extend to any claim, demand, and/or cause of action brought by, or on behalf of, any of its employees or agents while performing Work under this Permit or Franchise while located on state-owned highway right of way. For this purpose, the Utility, by MUTUAL NEGOTIATION, hereby waives, with respect to the State of Washington only, any immunity that would otherwise be available to it against such claims under the Industrial Insurance provisions in chapter 51.12 RCW.
30. The indemnification and waiver provided for in general provisions 28 and 29 shall survive the termination of this Permit or Franchise.
31. Any action for damages against the State of Washington, its agents, contractors, and/or employees, arising out of damages to a utility or other facility located on state-owned highway right of way, shall be subject to the provisions and limitations of RCW 47.44.150.
32. This Permit or Franchise shall not be deemed or held to be an exclusive one and shall not prohibit the Department from granting rights of like or other nature to other public or private utilities, nor shall it prevent the Department from using any of the state-owned highway right of way or other properties for transportation purposes, or affect the Department's right to full supervision and control over all or any part of the state-owned highway right of way or properties, none of which is hereby surrendered. Further, the Department reserves the exclusive right to require that all utility facilities be subject to joint trenching and occupancy.



Application for Utility Permit or Franchise for United States Government Agencies

Permit/Franchise No.

Applicant - Please print or type all information	
Application is Hereby Made For: <input type="checkbox"/> Permit <input type="checkbox"/> Franchise <input type="checkbox"/> Amendment <input type="checkbox"/> Franchise Consolidation <input type="checkbox"/> Franchise Renewal <input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2 <input type="checkbox"/> Category 3	
Intended Use of State Right of Way is to Construct, Operate, and Maintain a: _____ on a portion of State Route _____ (at/from) MilePost _____ to Mile Post _____ in _____ County, to begin in the _____ Section _____ Township _____ North: Range _____ West/East W.M. and end in the _____ Section _____ Township _____ North: Range _____ West/East W.M.	
The Applicant agrees to reimburse the Department for additional costs incurred that are beyond the basic administrative expense incident to the processing of this application in accordance with WAC 468-34 and RCW 47.44 and amendments.	
Applicant (Referred to as Utility) _____ Address _____ City _____ State _____ Zip Code _____ Telephone _____ Applicant Reference (WO) Number _____	Applicant Authorized Signature _____ Print or Type Name _____ Title _____ Dated this _____ day of _____, _____ Federal Tax ID Number or Social Security Number _____

Authorization to Occupy Only If Approved Below

The Washington State Department of Transportation referred to as the "Department," hereby grants this document (Permit or Franchise as applicable) subject to the terms and conditions stated in the General Provisions, Special Provisions, and Exhibits attached hereto and by this reference made a part hereof. Construction facilities proposed under this application shall begin within one year and must be completed within three years from date of approval.

For Department Use Only

Exhibits Attached 	Department Approval By: _____ _____ Title: _____ Date: _____ Expiration Date: _____
---	---

DOT Form 224-699 EF
Revised 1/2010

General Provisions Applicable to United States Government Agencies

1. This permit/franchise is subject to the applicable provision of WAC 468-34 and amendment there to, except that any provision in this permit/franchise not consistent with Chapter 468-34 WAC shall be controlling.
2. No excavation shall be made or obstacle placed within the limits of the State highway in such a manner as to interfere with the travel over said road unless authorized by the Department.
3. If the work done under this permit/franchise interferes in any way with the drainage of the state highway, the Utility shall wholly and at its own expense, make such provision as the Department may direct to take care of said drainage.
4. On completion of this work, all rubbish and debris shall be immediately removed and the roadway and roadside shall be left neat and presentable and satisfactory to the Department.
5. All of the work herein contemplated shall be done to the satisfaction of the Department.
6. The Department hereby reserves the right to order the change of location or the removal of any structure or structures authorized by this permit/franchise at any time, said change or removal to be made at the sole expense of the Utility or their successors and assigns. Any changes, reconstruction or relocation by the Utility shall be done in such manner as will cause the least interference with any of the State's work and the State of Washington shall in no wise be held liable for any damage to the Utility by reason of any such work by the State of Washington, its agents or representatives, or by the exercise of any rights by the State upon roads, streets, public places or structures.
7. This document shall not be deemed or held to be an exclusive one and shall not prohibit the Department from granting rights of like or other nature or other public or private utilities, nor shall it prevent the Department from using any of its roads, streets, or public places, or affect its right to full supervision and control over all or any part of them, none of which is hereby surrendered.
8. The Department may for violation for any of the terms revoke, amend or cancel this permit or any of the provisions hereof after 60 days written notice to the Utility. The Utility shall then remove all facilities from the right of way. Any facilities remaining upon the right of way 30 days after cancellation of this permit shall be removed by the Department at the expense of the Utility.
9. The Utility shall maintain at its sole expense the structure or object for which this permit/franchise is granted in a condition satisfactory to the Department.
10. The Utility shall be responsible for any loss or damage to property or injury to persons resulting from any acts or omissions in accordance with the provisions of the Federal Tort Claims Act 62 Stat. 982, as amended.
11. All installations placed upon the right of way by the Utility shall be and remain the property of the Utility and may be removed any time by the Utility upon prior notification to the Department.
12. Whenever it is deemed necessary for the benefit and safety of the traveling public, the Department hereby reserves the right to attach and maintain upon any facility by the Utility under this document any required traffic control devices, such as traffic signals, luminaires, and overhead suspended signs, when the use of such devices or attachments does not interfere with the use for which the facility was constructed. The Department shall bear the cost of attachment and maintenance of such traffic control devices, including the reasonable cost of any extra construction beyond normal; such extra cost to be determined jointly by the Department and the Utility of this document. It is not to be construed that the Department is to share in the normal cost of installation, operation, or maintenance of any of the facilities installed under this document.
13. All expenditures to be made by the Utility under the provisions of this permit/franchise shall be subject to appropriations being available for the purpose.
14. On or before the termination of this permit/franchise, the Utility will remove all installations and appurtenances from the premises of the Department and restore said premises to the conditions existing at the time of entering upon the same under this permit/franchise, reasonable and ordinary wear and tear and damage by the elements or by circumstances over which the Utility has no control excepted.
15. No member of or delegate to Congress, or resident commissioner, shall be admitted to any share or part of this permit/franchise or to any benefit to arise therefrom, but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.
16. No assignment or transfer of this franchise in any manner whatsoever shall be valid nor vest any rights hereby granted until the Department consents thereto and the assignee accepts all terms of this franchise. Attempting to assign this franchise without Department consent shall be cause for cancellation as herein provided.
17. The Utility hereby certifies that the facilities described in this document are either (1) in compliance with the Control Zone Guidelines, or (2) any existing Location I or Location II utility objects will be corrected in accordance with Control Zone Guidelines.

DOT Form 224-699 EF
Revised 1/2010

Application for Utility Permit or Franchise for United States Government Agencies DOT Form 224-699 EF (Page 2 of 2)



Inspector's Daily Report

IDR Sheet _____ of _____ Sheets	
Contract _____	SR Nos. _____ Day _____ Date _____
Weather (See Instructions) AM _____ PM _____	
Prime Contractor A. _____	Representative / Title _____
Subcontractor or Lower Tier Sub	Appr'd DBE Representative / Title
B. _____	_____
C. _____	_____
D. _____	_____
E. _____	_____

Work Activity Summary Description and Location 	Pay Note Made Today? <input type="checkbox"/> No - Work not complete. Will complete Paynote on completion or at estimate cutoff. <input type="checkbox"/> No - LS Item. Work is not completed. Will complete paynote on completion or percentage at estimate cutoff. NOTE: Any "No" below will be explained in Diary. Required Backup Samples Taken Matis Documentation Approved Matis Source Approved
--	--

Item, Description, and Location of Work (NOTE: Any "NO" is to be explained in Diary)							
Item No.	Contract Item Description	Location	Y/N	Y/N	Y/N	Y/N	Y/N

Contractor's Equipment						
Operating Contractor's ID (A-E, see above)						
No.	Equipment - ID No. and Description	Opr	Stdbly	Down	Idle	

Contractor's Workforce													
Operating Contractor's ID (A-E, see above)													
	Laborers	Carpenters	Operators	Number / Total Hours					Number				
				Teamsters	Ironworkers	Masons	Flaggers	Electricians	Male	Female	Appr	Trnee	
	/	/	/	/	/	/	/	/	/				
	/	/	/	/	/	/	/	/	/				
	/	/	/	/	/	/	/	/	/				
	/	/	/	/	/	/	/	/	/				
	/	/	/	/	/	/	/	/	/				

Was Traffic Control Required Today? <input type="checkbox"/> Yes <input type="checkbox"/> No	Was WZTC according to approved TCP? <input type="checkbox"/> Yes <input type="checkbox"/> No
Photos/Videos taken Today? <input type="checkbox"/> Yes <input type="checkbox"/> No	Do all Flaggers and Spotters have current flagging card? <input type="checkbox"/> Yes <input type="checkbox"/> No

Inspector's On Site Hours From _____ To _____	Inspector _____ Reviewed By _____
---	--

DOT Form 422-004 EF
Revised 03/2008

Inspector's Daily Report DOT Form 422-004 EF



Inspector's Daily Report

	IDR Sheet	of	Sheets
Contract	Day		Date

DIARY - Including but not limited to: a report of the day's operations, time log (if applicable), orders given and received, discussions with contractor, and any applicable statements for the monthly estimate.

DOTForm 422-004A EF
Revised 07/2008

Inspector

Inspector's Daily Report – Diary Page DOT Form 422-004A EF



**Washington State
Department of Transportation**

Region _____

Project Engineer _____

If Found Drop in any mail box
Return Postage Guaranteed

**Washington State Department of Transportation
P.O. Box 47300
Transportation Building
Olympia, WA 98504**

Construction Project Diary

SR _____

Section _____

F. A. No. _____

County _____ Region _____

CS _____ Contract _____

Region Administrator Project Engineer

This Diary Book from _____ to _____

Book _____ of _____

DOT Form 422-014
Revised 03/2007

Construction Project Diary
DOT Form 422-014 (Page 1 of 5)

Instructions

1. Read Chapter 10-3.6 of the Construction Manual.
2. Record all matters of Importance not covered by the routine reports or of routine matters if the circumstances are unusual, conferences with the Contractor or the Contractor's field representative, agreements made, special notes regarding equipment or organization, labor conditions, weather or other causes for delays if of any consequence, and any other matters that have a bearing on the completion of the project.
3. Start a new page for every day there is information.
4. **Stick to facts.** If an opinion is considered essential to explain project conditions, it **must** be identified as such.
5. The author of each day's entry must be identified by placing their signature or initials immediately under the last diary entry. If entries are made by more than one person, each must clearly identify the portions of the record which they have entered.
6. Subsequent entries may be made for pertinent information but must be properly identified and dated.

In the event this book is found, return to this address:

Phone No. _____

All entries must be signed or initialed; if more than one person makes entries, each must sign.

(award date)
(date of execution)
(working days)

DOT Form 422-014
Revised 03/2007

Construction Project Diary
DOT Form 422-014 (Page 2 of 5)

F.A. No.	SR No.	Contract No.
M.P. Station		M.P. to Station
<p>Use the space below to record information that increases the efficient administration of a contract by being readily accessible. Suggested items would include pertinent dates (bid opening, award, and execution date of the contract), number of working days, list of prime and subcontractors with telephone numbers, and contracts with any government body and public or private entity affected by the contract.</p>		

DOT Form 422-014
Revised 03/2007

Construction Project Diary
DOT Form 422-014 (Page 3 of 5)

Variance Type	Access Type	Approval Authority	FHWA
Longitudinal Utility Installations			
Interstate median		HQ Utilities	Yes
Within full limited access		HQ Utilities	
Within partial or modified limited access highways		Region	
Medians		HQ Utilities	
Uncased Installations			
Involving transmitting material that is flammable, corrosive, expansive, energized, or unstable	Interstate	HQ Utilities	
Longitudinal open trench method involving transmitting material that is flammable, corrosive, expansive, energized, or unstable	All others	Region	
Note: Applies to all crossings except those requiring an Access Break			
Access Breaks			
From property adjacent to freeway right of way			
Interstate		HQ Access & Hearings	Yes
Non-Interstate	Full Limited	HQ Access & Hearings	ASDE*
	All others	Region	
Site access from freeway ramps or main line			
Interstate		HQ Access & Hearings	Yes
Non-Interstate	Full Limited	HQ Access & Hearings	ASDE
	All others	Region	
Open Cuts of Pavement			
	Interstate	HQ Utilities	Yes
	All others	Region	
Shallow Depth			
	Interstate	HQ Utilities	
	All others	Region	
Scenic Class			
Overhead installations, Scenic Classes C & D		Region	
Overhead installations, Scenic Classes AX & BX, with no variances		Region	
Overhead installations scenic Classes A & B		HQ Utilities	
Documents that include control zone object that comply with the 5115 Rule (See Utilities Manual, Chapter 9, Page 27, Section 900.16)		Region	
Control Zone Location			
Location I Utility Object Variances		Region	
Location II Utility Object Variances		Region	
Location III Utility Objects Aboveground Installations		Region	
Acceptance Assignment for Franchises			
Within a single region		Region	HQ Notification
For which HQ holds a Blanket Surety and the utility is in more than one region			HQ Utilities
Individual Bonds for Permits and Franchises per Utilities Manual, Chapter 1, Section 110.04			
Blanket Bonds for Permits or Franchises			HQ Utilities
General Permits		Region	

* Assistant State Design Engineer

Authority Matrix

BLANKET CROSSING AGREEMENT
with U.S.B.R.
State contract no. GC-1020-B
USBR contract no. 14-06-100-2193
(Administered by UTILITIES ENGINEER)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

AGREEMENT WITH STATE OF WASHINGTON
AS TO CROSSINGS

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Contract No.
14-06-100-2193

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

AGREEMENT WITH STATE OF WASHINGTON
AS TO CROSSINGS

THIS CONTRACT, made this 14th day of June, 1961,
pursuant to the Act of June 17, 1902 (32 Stat. 388) and all acts
amendatory thereof or supplementary thereto, including without limita-
tion by this enumeration the Act of August 4, 1939 (53 Stat. 1187), as
amended, referred to hereinafter as the Federal Reclamation Laws, by
and between THE UNITED STATES OF AMERICA (hereinafter styled the United
States), acting solely through the Bureau of Reclamation and represented
by the officer executing this contract, and the STATE OF WASHINGTON
(hereinafter styled the State), a body politic and corporate, acting
by and through its Governor, its Director of Highways (the latter being
hereinafter styled the Director), and its State Highway Commission,

WITNESSETH, THAT:

2. WHEREAS, the United States is and will be engaged in the con-
struction, reconstruction, operation and maintenance, under the Federal
Reclamation Laws, within the State of Washington, of irrigation, drain-
age, water delivery, and reclamation projects (hereinafter called pro-
jects), and the works of the projects include and will include networks

of waterways and water conduits, telephone, telegraph, and electric transmission lines, and other irrigation and power works, for which the United States has acquired or will acquire lands in fee simple or rights of way of various kinds, or for which it claims rights of way under Section 90.40.050, Revised Code of Washington, the Act of Congress of August 30, 1890 (26 Stat. 391), or other acts of Congress; and

3. WHEREAS, the State now has a network of highways adjacent to and within the projects' areas and may from time to time relocate or add to these highways, and for these highways it now owns, or may hereafter acquire, lands in fee simple or rights of way of various kinds; and

4. WHEREAS, the activities of each party in and adjacent to the projects' areas will require the construction, reconstruction, modification, and operation and maintenance of mutual crossing facilities and the parties wish to avoid the burden and expense of negotiating separate contracts or arranging for and issuing franchises or permits, and to confirm by contract the understandings heretofore had with respect to crossing highway works designated or established by the State as limited access facilities; and

5. WHEREAS, the State, in most instances, desires to place on its roads the upper surfacing courses and the wearing surface whenever those are necessary in connection with the crossing of its highways by facilities of the United States under this contract, and it has been mutually

determined to be in the best interests of both parties to have the State perform such work:

NOW THEREFORE, in consideration of the grants and agreements herein contained, the parties hereto grant and agree as follows:

DEFINITIONS

6. The following terms, wherever used in this contract, shall have the following respective meanings:

"Waterway works" shall mean any canal, ditch, lateral, sublateral, drain, spillway, wasteway, siphon, pipeline, or other waterway or water conduit, and any road required in connection with the construction or operation of such works, built or to be built as part of the projects works.

"Transmission line" shall mean any telephone, telegraph, or electric transmission line or other power works, and any road required in connection with the construction or operation of such works, built or to be built as part of the projects' works.

"Project waterway" shall mean any land owned in fee or any right of way, excluding "reserved ways", designated by the United States as the site for any waterway works.

"Transmission way" shall mean any land owned in fee or any right of way, excluding "reserved ways", designated by the United States as the site for any transmission line.

"Reserved way" shall mean any right of way reserved to the United States under Section 90.40.050, Revised Code of Washington, the Act of August 30, 1890 (26 Stat. 391), or other acts of Congress, and which has been or is to be designated for use in the construction, operation and maintenance of project works as permitted by law.

"Highway works" shall mean any highway and appurtenant works built or to be built in connection with the highway system of the State.

"Highway" shall mean any land owned in fee or any right of way designated by the State as the site for its highway works.

"Project Officer" shall mean that employee of the United States in charge of a Bureau of Reclamation project in which is located a crossing to be handled pursuant to the provisions of this agreement.

"Regional Director" shall mean the Regional Director, Region 1, Bureau of Reclamation, or his duly authorized representative.

RIGHTS OF WAY GRANTED TO THE STATE

7. The United States hereby grants to the State, subject to the provisions of this contract, perpetual rights to construct, reconstruct, modify, operate and maintain highway works upon or across any project waterway, transmission way, and reserved way. The rights in each instance shall be effective from the date of the approval of the State's application made under the provisions of Article 9 hereof or provisions

similar thereto in contracts referred to in Article 20 hereof. In any instance where the grant herein made is with respect to land in which the United States has only a right of way or easement, the State will obtain any additional grants or consents from the owners of such other interests in the land as may be necessary to permit full use of the land by the State for its purposes.

RIGHTS OF WAY GRANTED TO THE UNITED STATES

8. The State hereby grants to the United States, subject to the provisions of this contract, perpetual rights to construct, reconstruct, modify, operate and maintain waterway works and transmission lines upon or across any highway, and hereby ratifies and confirms the reservation under and by virtue of the Act of August 30, 1890 (26 Stat. 391), or other acts of Congress, and Section 90.40.050, Revised Code of Washington, of the reserved way across, along, or under any highway on land subject to such reserved way. The rights in each instance shall be effective from the date of the approval of the application of the United States made under the provisions of Article 9 hereof or provisions similar thereto in contracts referred to in Article 20 hereof or from the date of any highway use franchise or permit issued by the State. In any instance where the grant herein made is with respect to land in which the State has only a right of way or easement, the United States will obtain any additional grants or consents from the owners of such interest in the land as may be necessary to permit full use of the land by the United States for its purposes.

NOTICE OF EXERCISE OF RIGHTS OF WAY

9. The party desiring to exercise the rights granted under Articles 7 and 8 shall notify the other party in writing prior to the beginning of construction. Such notice shall be given immediately before the rights are to be utilized by the construction of a crossing, and, in the case of the United States, the notice shall be given to the Project Officer, if any, otherwise the Regional Director, and, in the case of the State, to the Director. The notice shall be accompanied by a location map showing the proposed crossing and by plans for the facilities proposed to be constructed. The party receiving the notice shall promptly initiate action, including insofar as the United States is concerned consultation with the irrigation district, if any, operating its waterway works and transmission lines, on approval or disapproval of the proposed crossing, indicating in the latter instance the reasons therefor. The State will not refuse approval of reasonable plans submitted by the United States if such plans provide for a class of construction equal or superior to the standard of construction used by the State itself for similar purposes; and the United States will not refuse approval of reasonable plans submitted by the State, if such plans provide for a class of construction equal or superior to the standard of construction used by the United States for similar purposes. Approval of the plans shall be made by the execution and dating of the location map; approval of the

United States shall be given by the Regional Director; and approval of the State shall be given by the Director.

COST OF CROSSINGS INITIATED BY STATE

10. (a) Where the State's exercise of the rights granted under Article 7 has been approved under the provisions of Article 9 hereof, and at the time of that approval, waterway works or transmission lines at the point of crossings are in existence, or are being built by Government forces or are under contract to be built for the United States, the State shall, at its sole expense, construct and install whatever facilities are required and do whatever work is necessary to effect the crossing in accordance with the plans approved under Article 9 hereof. The words "are being built by Government forces", as used herein, shall not be construed to mean that which is confined solely to the clearing of rights of way and/or the building of haul or pioneer roads.

(b) Where the State's exercise of the rights granted under Article 7 has been approved under the provisions of Article 9 hereof, and at the time of that approval no waterway works or transmission lines are in existence at the point of crossing or are being built or are under contract to be built, the State, when building its highway works at the place of crossing, will (1) provide, at the request of the United States, if the latter has funds available to pay therefor, facilities necessary to accommodate the waterway works or transmission lines to be built later by the United States; or (2) construct, at the

request of the United States, if practicable, its highway works in a manner that will enable the United States, within a reasonable time after the completion thereof, to construct the facilities necessary to accommodate its waterway works or transmission lines without added undue expense or inconvenience on account thereof. The added cost to the State of providing facilities under (1) and (2) of this subarticle will be borne by the United States. In determining these costs, there shall be included all costs of materials and labor directly chargeable to the facilities as approved under subarticle (c) hereof, and in addition an amount equal to ten per cent (10%) of said costs to cover supervision, engineering, inspection, and general overhead. Promptly on the completion of the facilities in any case under (1) and (2) of this subarticle, the State shall submit to the United States an itemized bill of the added cost required to be paid by the United States hereunder. Payment of such cost shall be made promptly after the presentation of such bill.

(c) Whatever facilities are required to be constructed by the State for the United States under this article shall be constructed in accordance with plans and specifications therefor approved by the Regional Director.

COST OF CROSSINGS INITIATED BY UNITED STATES

11. (a) Where the United States' exercise of the rights granted under Article 8 has been approved under the provisions of Article 9 hereof, and at the time of that approval highway works are

in existence or are being built by State forces or are under contract to be built for the State, the United States shall, at its sole expense, construct and install whatever facilities are required and do whatever work is necessary to effect the crossing in accordance with the plans approved under Article 9 hereof. The words "are being built by State forces", as used herein, shall not be construed to mean that which is confined solely to the clearing of rights of way and/or the building of haul or pioneer roads.

(b) Where the United States' exercise of the rights granted under Article 8 has been approved under the provisions of Article 9 hereof, and at the time of that approval no highway works are in existence at the place of crossing or are being built or under contract to be built, the United States, when building its waterway works or transmission lines at the place of crossing, will (1) provide, at the request of the State, if the latter has funds available to pay therefor, facilities necessary to accommodate the highway works to be built later by the State; or (2) construct, at the request of the State, if practicable, its waterway works or transmission lines in a manner that will enable the State, within a reasonable time after the completion thereof, to construct the facilities necessary to accommodate its highway works without added undue expense or inconvenience on account thereof. The added cost to the United States of providing facilities under (1) and (2) of this subarticle will be borne by the State. In determining these costs, there shall

be included all costs of materials and labor directly chargeable to the facilities as approved under Subarticle (c) hereof, and in addition an amount equal to ten per cent (10%) of said costs to cover supervision, engineering, inspection, and general overhead. Promptly on the completion of the facilities in any case under (1) and (2) of this subarticle, the United States shall submit to the State an itemized bill of the added cost required to be paid by the State hereunder. Payment of such cost shall be made promptly after the presentation of such bill.

(c) Whatever facilities are required to be constructed by the United States for the State under this article shall be constructed in accordance with plans and specifications therefor approved by the Director.

CONSTRUCTING CROSSINGS BY UNITED STATES

12. (a) The United States, in performing work pursuant to a grant under the provisions of Article 8 of this contract, shall observe the following conditions:

(1) Such work shall be conducted in a proper and workmanlike manner;

(2) Such work shall be conducted so that the highway works will be closed to traffic for as brief a period as possible.

Upon request of the State, a suitable detour shall be constructed, at the sole cost and expense of the United States, around or over such construction so that traffic may pass freely at all times,

and such detour shall be maintained by the United States at its sole cost and expense; and

(3) The material removed from the highway shall be replaced or renewed so that, upon completion of the crossing, the highway and highway works will be in as good condition as they were prior to such work by the United States.

(b) With respect to highway surfacing work which the State desires to perform in connection with the crossing of its highways by facilities of the United States, the State will notify the Project Officer, prior to beginning such work, of its desire to perform the surfacing work. The notice shall specify the work that the State proposes to perform and shall include an itemized estimate of the cost thereof. The Project Officer shall promptly forward the notice with his recommendation to the Regional Director for approval or disapproval of the proposed work in connection with the crossing and the cost estimate therefor. The Regional Director shall indicate in case of disapproval the reasons therefor, and shall notify the representative of the State giving the notice. Upon approval of the work and estimate in behalf of the United States, the State shall furnish, lay, and finish the upper surfacing courses and the wearing surface required in connection with the crossing of its highways by facilities of the United States and shall perform all necessary work in connection therewith. The State, upon completion of the surfacing work, will submit to the United States a record of the actual costs and

expenditures incurred by the State, supported by such information as may be required by the United States, and officers of the United States shall be permitted to check the work records pertaining to any such work and all other books, accounts and records of the State to determine the correctness of the statement. Payment by the United States to the State of the portion of the cost for which the United States is liable under the terms of this subarticle, not to exceed the estimated amount approved in behalf of the United States as hereinbefore provided, shall be made after verification and approval of the cost statement by the Regional Director.

CONSTRUCTING CROSSINGS BY THE STATE

13. The State, in performing work pursuant to a grant under the provisions of Article 7 of this contract, shall observe the following conditions:

(a) Such work shall be conducted in a proper and workmanlike manner.

(b) The State shall not in any case or circumstance stop, impede, or interfere with the flow of water in any waterway works, and in the event that the State performs such work during an irrigation season, which for the purpose of this contract shall ordinarily be considered to be from the 15th day of March to the 15th day of October of each year, or while the waterway works are being used for the generation of electric power, or such work is carried into an irrigation season, the State shall provide such temporary ditch,

siphon, or other structure as may be necessary and as directed and as approved by the Project Officer, to assure the continued flow of water in the waterway works along the regular course thereof without waste or loss.

(c) The material removed from the project waterway shall be replaced or renewed so that, upon completion of the work, the project waterway and waterway works will be in as good condition as they were prior to the work by the State.

ABANDONMENT OF STATE STRUCTURES

14. In the event the State abandons any of its highway works over a project waterway, the State shall, at its sole cost and expense, remove the structure or structures constructed by or for it and restore the project waterway to its condition prior to the construction of such structure or structures by or for the State, or do whatever is required by the United States to leave the project waterway in a condition satisfactory to the United States: Provided, however, That any highway works abandoned by the State and turned over to a county or municipality shall be exempt from the provisions of this article, and the United States will deal directly with the county or municipality with respect to such highway works.

ABANDONMENT OF UNITED STATES STRUCTURES

15. In the event the United States abandons any of its waterway works or transmission lines upon or across any highway, the United

States shall, at its sole cost and expense, remove the structure or structures constructed by or for it and restore the highway to its condition prior to the construction of such structure or structures by or for the United States, or do whatever is required by the State to leave the highway in a condition satisfactory to the State.

TITLE TO AND MAINTENANCE OF CROSSING FACILITIES

16. (a) Promptly upon the completion of any facilities constructed under the terms of this contract, the party doing the construction shall give written notice to the other party announcing the completion of the facilities and indicating, according to the nature and purpose thereof, which portion or portions of the facilities, hereinafter referred to as structures, shall be deemed to comprise a part of the highway works and which portion or portions shall be deemed a part of the waterway works or transmission lines. The party receiving the notice shall indicate promptly its acceptance of title as set out in the notice or its objections thereto. Such notices shall be issued and accepted on behalf of the United States by the Regional Director, and on behalf of the State by the Director.

(b) The United States and the State shall replace their respective structures at their own expense with new structures approved by the other party from time to time as the necessity arises, and make such repairs as may be necessary to protect waterway works, transmission

lines, or highway works from damage or interference from said structures. It shall be the duty of the United States and of the State in this regard to maintain their respective structures in such a manner as to be deemed safe and in repair, consistent with customary management practices.

(c) All work done by the United States or the State in maintaining or replacing their respective structures shall be done in a good workmanlike manner.

(d) In the event the United States or the State shall fail, refuse, or neglect to maintain their respective structures as in this article provided, the other party may, after thirty (30) days' written notice, replace, reconstruct, repair, or change any of said structures, forming a part of the waterway works, transmission lines, or highway works, in such manner as it shall determine: Provided, however, That in the event of an emergency, one party may, with the written assent of the owning or responsible party, perform necessary maintenance work at the expense of the party who has the obligation to pay therefor; and the party whose structures have been replaced, reconstructed, repaired, or changed shall reimburse the other party for the entire cost and expense thereof within ninety (90) days after submission of a written statement or statements showing in detail the items of expense included in the cost of the same. The party who has to pay the cost may, at its sole cost and expense, make whatever audits are necessary to verify the correctness of such statement or statements.

UNITED STATES DOES NOT ASSUME LIABILITY

17. The United States does not, by reason of this contract, or by reason of any grants made pursuant to Article 7 of this contract, assume any liability for injury or damage to any person or property incident to or arising during and in consequence of (a) the use, occupancy, and enjoyment by the State, pursuant to this contract, of any project waterway, transmission way, or reserved way; or (b) the operation and maintenance of any highway works across any project waterway, transmission way, or reserved way, pursuant to grant under Article 7 of this contract.

STATE DOES NOT ASSUME LIABILITY

18. The State does not, by reason of this contract, or by reason of any grants made pursuant to Article 8 of this contract, assume any liability for injury or damage to any person or property incident to or arising during and in consequence of (a) the use, occupancy, and enjoyment by the United States, pursuant to this contract, of any highway; or (b) the operation and maintenance of any waterway works or transmission lines across any highway pursuant to grant under Article 8 of this contract.

RIGHT TO ENTER ON OTHER'S RIGHT OF WAY

19. The United States and the State, and their respective officers, agents, contractors and employees, shall at any and all times have the right to enter upon the rights of way of the other, granted

as provided herein, for the purpose of doing anything necessary in connection with the construction, replacing, repairing, operation or maintenance of any portion or part of their respective waterway works, transmission lines, or highway works, including all structures and crossings which may be built in pursuance of the provisions of this contract, except that, as regards the State limited access highways or State highways which may, by proper act of State Legislature or by resolution of the Washington State Highway Commission, become limited access highways, the United States and its respective officers, agents, contractors and employees, shall have the right to enter upon the right of way of the State only in accordance with the plan for ingress and egress designed for such limited access highways, which plan shall include reasonable provisions to meet the needs of the United States and its operating districts in connection with the operation and maintenance of its projects.

REVOCATIONS

20. The following agreements with respect to crossings between the State and the United States and all supplements thereto are revoked and superseded by this contract:

1. Contract No. I74r-856, dated November 9, 1948, covering highway crossings in the Columbia Basin Project, Washington;

2. Contract No. I74r-1480, dated March 25, 1950, covering highway crossings in the Roza Division of the Yakima Project, Washington.

3. Contract No. 14-06-100-45, dated December 4, 1952, covering highway surfacing at waterway crossings, in the Columbia Basin Project, Washington; and

4. Contract No. 14-06-100-355, dated January 2, 1954, covering highway crossings in the Kennewick Division of the Yakima Project, Washington.

Provided, however, That any rights, privileges or grants by and between the parties thereto pursuant to the documents revoked and superseded by this article or pursuant to various franchises or permits issued to or in favor of the United States, and which are effective or in force on the date of this contract shall continue in force and effect on terms and conditions as if made under this contract.

CONDITIONS OF LABOR

21. (a) No laborer or mechanic doing any part of the work contemplated by Subarticle 10(b) of this contract on structures constituting a part of the waterway works or transmission lines of the United States, in the employ of the contractor or any subcontractor contracting for any part of said work contemplated, shall be required or

permitted to work more than eight (8) hours in any one (1) calendar day upon such work at the site thereof, except upon the condition that compensation is paid to such laborer or mechanic in accordance with the provisions of this article. The wages of every laborer and mechanic employed by the contractor or any subcontractor engaged in the performance of this contract shall be computed on a basic day rate of eight (8) hours per day, and work in excess of eight (8) hours per day is permitted only upon the condition that every such laborer or mechanic shall be compensated for all hours worked in excess of eight (8) hours per day at not less than one and one-half (1½) times the basic rate of pay. For each violation of the requirements of this article, a penalty of five dollars (\$5) shall be imposed upon the contractor for each laborer or mechanic for every calendar day in which such employee is required or permitted to labor more than eight (8) hours upon said work without receiving compensation computed in accordance with this article, and all penalties thus imposed shall be withheld for the use and benefit of the Government: Provided, That this stipulation shall be subject in all respects to the exceptions and provisions of UNITED STATES CODE, Title 40, Sections 321, 324, 325, 325a, and 326, relating to hours of labor and compensation for overtime.

(b) All contracts awarded by the State covering work under Sub-article 10(b) of this contract on structures constituting a part of the waterway works or transmission lines of the United States shall

contain the following provision, to wit: The contractor shall not employ any person undergoing sentence of imprisonment at hard labor.

CONTINGENT ON APPROPRIATIONS

22. The expenditure of any money or the performance of any work by the United States or the State, herein provided for, which may require appropriations of money by Congress or the Legislature or the allotment of Federal funds, shall be contingent on such appropriations or allotments being made. The failure of Congress or the Legislature to appropriate funds, or the failure of any allotment of funds, shall not, however, relieve the State or the United States from any obligation theretofore accrued under this agreement, nor give the State or the United States the right to terminate this agreement as to any of its executory features. No liability shall accrue against the United States or the State in case such funds are not so appropriated or allotted.

DISCRIMINATION AGAINST EMPLOYEES OR
APPLICANTS FOR EMPLOYMENT PROHIBITED

23. In connection with the performance of work under this contract on structures constituting a part of the waterway works or transmission lines of the United States, the State, referred to hereinafter in this article as the contractor, agrees as follows:

(a) The contractor will not discriminate against any employee or applicant for employment because of race, creed, color, or national origin. The contractor will take affirmative action to ensure that

applicants are employed, and that employees are treated during employment, without regard to their race, creed, color, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.

(b) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, or national origin.

(c) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(d) The contractor will comply with all provisions of Executive Order No. 10925 of March 6, 1961, and of the rules, regulations, and

relevant orders of the President's Committee on Equal Employment Opportunity created thereby.

(e) The contractor will furnish all information and reports required by Executive Order No. 10925 of March 6, 1961, and by the rules, regulations, and orders of the said Committee, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Committee for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(f) In the event of the contractor's noncompliance with the nondiscrimination clause of this contract or with any of the said rules, regulations, or orders, this contract may be cancelled in whole or in part and the contractor may be declared ineligible for further government contracts in accordance with procedures authorized in Executive Order No. 10925 of March 6, 1961, and such other sanctions may be imposed and remedies invoked as provided in the said Executive Order or by rule, regulation, or order of the President's Committee on Equal Employment Opportunity, or as otherwise provided by law.

(g) The contractor will include the provisions of the foregoing paragraphs (a) through (f) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the President's Committee on Equal Employment Opportunity issued pursuant to Section

303 of Executive Order No. 10925 of March 6, 1961, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, That in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States, with the understanding that, in the event of noncompliance with the above provisions, this contract may only be cancelled under (f) thereof insofar as it relates to the State's doing work on structures constituting a part of the waterway works and transmission lines of the United States under this contract.

DOMESTIC PREFERENCES

24. In the performance of the work covered by Subarticle 10(b) of this contract on any facility constituting a part of the waterway works or transmission lines of the United States, the State, subcontractors, material men, or suppliers, shall use only such unmanufactured articles, materials, and supplies as have been mined or produced in the United States, and only such manufactured articles, materials, and supplies as have been manufactured in the United States substantially all from articles, materials, or supplies mined, produced, or manufactured,

as the case may be, in the United States. The foregoing provision shall not apply to such articles, materials, or supplies of the class or kind to be used, or such articles, materials, or supplies from which they are manufactured, as are not mined, produced, or manufactured, as the case may be, in the United States in sufficient and reasonably available commercial quantities and of a satisfactory quality, or to such articles, materials, or supplies as may be excepted by the head of the Department under the proviso of Title III, Section 3, of the Act of March 3, 1933, 47 Stat. 1520 (UNITED STATES CODE, Title 41, Section 10b).

OFFICIALS NOT TO BENEFIT

25. No Member of or Delegate to Congress, or Resident Commissioner shall be admitted to any share or part of this contract or to any benefit that may arise herefrom, but this restriction shall not be construed to extend to this contract if made with a corporation or company for its general benefit.

COVENANT AGAINST CONTINGENT FEES

26. The State warrants that no person or agency has been employed or retained to solicit or secure this instrument upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial agencies maintained by the State for the purpose of securing business. For breach or violation of this warranty, the

United States shall have the right to annul this instrument without liability or in its discretion to require the State to pay the full amount of such omission, percentage, brokerage, or contingent fee.

IN WITNESS WHEREOF, the parties hereto have signed their names the day and year first above written.

THE UNITED STATES OF AMERICA

By: /s/ M. B. Austin
Acting Regional Director
(Title)

STATE OF WASHINGTON

By: /s/ Albert D. Rosellini
Governor

/s/ W. A. Bugge
State Director of Highways

/s/ Ernest J. Ketcham
Washington State Highway Commission Chairman

(SEAL)

Attest:

/s/ Lorenz Goetz
Secretary

APPROVED:

/s/ John C. O'Rourke
State Attorney General

STATE OF IDAHO)
 : ss
County of Ada)

On this 14th day of June, 1961, personally

appeared before me M. B. Austin, to me known to be the official of the United States of America that executed the within and foregoing instrument and acknowledged said instrument to be the free and voluntary act and deed of said United States, for the uses and purposes therein mentioned, and on oath stated that he was authorized to execute said instrument.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

/s/ John H. Welch
Notary Public in and for the
State of Idaho
Residing at Boise

(SEAL) My commission expires: 6-10-63

- - - -

STATE OF WASHINGTON)
 : ss
County of Thurston)

On this 31st day of May, 1961, personally

appeared before me Albert D. Rosellini, to me known to be the Governor of the State of Washington that executed the within and foregoing instrument and acknowledged said instrument to be the free and voluntary act and deed of said State of Washington, for the uses and purposes therein mentioned, and on oath stated that he was authorized to execute said instrument.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

/s/ V. B. Otis
Notary Public in and for the
State of Washington
Residing at Olympia

(SEAL) My commission expires: Mch. 9, 1962

**CATEGORY 4 UTILITY INSTALLATION AUTHORIZATION
SAME-SIDE SERVICE CONNECTION**

(NOT TO BE USED IN LIMITED ACCESS CONTROLLED AREAS, WAC 468-110 (53)(d))

ACTIVE Franchise/Permit No. _____ **Franchise Expiration Date:** _____

UTILITY

UTILITY'S CONTRACTOR

Company: _____ Company: _____

Contact: _____ Contact: _____

Phone: _____ Phone: _____

Cell: _____ Cell: _____

FAX: _____ FAX: _____

Email: _____ Email: _____

LOCATION OF WORK: State Route _____ Milepost _____ *Right or Left _____
(*Determined by facing the increasing milepost direction)

CONSTRUCTION START: Date _____ Time _____

PROPOSED CONSTRUCTION: Buried Aerial

- Power Size: _____ (15 kv or less)
- Telephone Size: _____ (25 pair or less)
- Gas Size: _____ (1-1/4" I.D. or less)
- Gravity Sewer Size: _____ (4" I.D. or less)
- Forced Sewer Size: _____ (2" I.D. or less)
- Water Size: _____ (1½" I.D. or less)
- CATV Size: _____ (½" O.D. or less)
- Fiber Optic Communication Size: _____ (Serves 4 or fewer residential units)

Category 4 installations must originate at an active Franchised or Permitted Facility and **DOES NOT** allow open cutting of the highway lanes or paved shoulders. **Ownership of the facilities authorized within the Department right of way is limited to the Utility.** Meters or other controls shall be located off of Department right of way.

This installation will conform to the Utilities Accommodation Policy (M 22-86) requirements.

UTILITY Authorized Signature

WSDOT Authorized Signature

Printed Name

Printed Name

This notice is to be **EMAILED** or **FAXED** to the (*fill- in*) Region Utility Office at (*fill in FAX, email*) no less than 3 working days prior to commencing work indicated in this Category 4 Installation Authorization. **Work within the WSDOT right of way shall not commence until this form is returned by Email or FAX from the Department Representative.**

Working days are defined as Monday through Friday, excluding Washington State holidays per RCW 1.16.050.

EXISTING FRANCHISE/PERMIT NO.: _____ **Expiration Date:** _____

SKETCH:

Category 4 Installation Authorization (Notice of Compliance)



Utility Permit or Franchise Application
**Control Zone
 Variance Request
 Justification Questionnaire**

Permit/Franchise #:		Amendment #:	Date:
SR:	MP Limits:		
Applicant:			
Installation Description:			

INSTRUCTIONS: Answer each question thoroughly, providing detailed answers. Unanswered questions or vague, incomplete justifications will delay the review of your utility Permit or Franchise Application.

SECTION 1 – REASON FOR VARIANCE REQUEST (to be completed by applicant)

Check those that apply:

- The state-owned operating highway right of way is not adequate to accommodate utility objects outside the Control Zone.
- Due to terrain or other features, segments of the utility facility do not warrant being located beyond the Control Zone boundary (include photos, plans, or other information supporting this claim).

SECTION 2 – VARIANCE JUSTIFICATION (to be completed by applicant)

1. Reason(s) the utility cannot be located as a Location III Object: _____
2. What makes installation of the facility outside the Control Zone limits difficult or impossible? _____
3. If cost is a factor in making installation outside the Control Zone limits unreasonable, explain why. Provide sufficient information to support justification request based on a cost impact, such as cost analyses or cost comparisons for the alternative options: _____
4. Describe the alternate routes, construction methods, and alternatives considered but rejected in favor of the current proposal: _____
5. What alternative countermeasures were considered? _____

Alternative Measures include:

- Locating on private easement outside the highway right of way. Documentation that a good faith effort was made to obtain property rights outside of highway right of way is required. At a minimum, such documentation must include proof that an offer was made to the adjoining property owner based on fair market value, and that the offer was not accepted. Specific documentation for this purpose may vary depending on the nature of the proposal and at the discretion of the region utilities engineer.
- Putting utility line underground.
- Reducing the number of utility objects through joint use, increasing span lengths, and/or placing utility objects on only one side of the road.
- Increasing the lateral offset of utility objects from the edge of the traveled way.

-
- Mitigating utility objects by locating to an inaccessible area such as toward the top or on the top of cut slopes; installing protective devices such as berms, guardrails, traffic barriers, or impact attenuators; or using a breakaway design
 - Other identified location-specific measures
-

Provide the following items to substantiate your justification request:

- Photos of area of installation.
- Roadway cross sections (from right of way to right of way, where feasible), slope areas, and terrain features.
- Illustrations of the alternative designs or routes considered.
- To illustrate efforts made in obtaining easements outside of the highway right of way, include letter(s) of offer and rejection for any easement requests.

SECTION 3 – CONTROL ZONE CALCULATIONS (to be completed by applicant)

Consideration of this Variance will take place after calculations for all impacted objects have been provided. Include complete calculations showing the limits of the Control Zone and the location of each aboveground utility object within the operating highway right of way. These calculations are to be based on actual field measurements at each proposed aboveground utility location.

Basis for Control Zone Calculations

The Control Zone distance is the distance found in the Clear Zone Distance Table (see [Figure 1](#)). The Control Zone distance varies according to three factors: (1) the posted speed, (2) traffic volumes expressed as Average Daily Traffic (ADT) volumes, and (3) the highway sideslope ratio. Control Zone distance is measured in feet normal or perpendicular to the highway centerline, beginning at the edge of the traveled way (fog line) and extending outward from the highway.

Traveled Way

The portion of the roadway intended for the movement of vehicles, exclusive of shoulders and lanes for parking, turning, and storage for turning. The beginning point for measuring the Control Zone, the traveled way does not include shoulders, parking lanes, turning lanes, storage for turning lanes, bike lanes, or adjacent pedestrian paths. It is generally described as the area between the outer edge stripes (also known as fog lines).

Control Zone Conditions

The Control Zone distance is determined by using the Clear Zone Distance Table (see [Figure 1](#)) and/or the conditions (4 for cut sections and 2 for fill sections of the roadway) in the area of the aboveground utility object. For linear utility installations, the Control Zone distance may vary if any of the three factors (speed, volume, or slope) change. If so, multiple Control Zone distance calculations may be required.

Cut section with no ditch or fill section:

Condition 1: No ditch – Backslopes of 3H:1V or flatter

Condition 5: Sideslope is 4H:1V or flatter – Slope averaging, when slope varies

Condition 6: Sideslope is 3H:1V or steeper*

The Control Zone Distance is read directly from the Clear Zone Distance Table, based on the posted speed and ADT. Use the 10H:1V column when no slope is apparent at the aboveground utility object location.

Condition 2: Ditch foreslopes of 4H:1V or flatter – For all ditch backslopes, use 10H:1V cut section in calculations

The Control Zone distance is the greater of:

- The Control Zone distance for a 10H:1V cut section based on speed and ADT.
- Five feet horizontally beyond the bottom of ditch.

When a backslope steeper than 3H:1V continues for a horizontal distance of 5 feet beyond the beginning of the backslope, it is not necessary to use the 10H:1V cut slope criteria.

Condition 3: Ditch foreslope is steeper than 4H:1V – Ditch backslope is steeper than 3H:1V

The Control Zone distance is 10 feet horizontally beyond the bottom of ditch.

Condition 4: Ditch foreslope is steeper than 4H:1V, but not steeper than 3H:1V* – Ditch backslope is 3H:1V or flatter

The Control Zone distance is established using the Recovery Area Formula (see [Figure 2](#)).

*Note: The Recovery Area Formula normally applies to slopes steeper than 4H:1V, but not steeper than 3H:1V. For steeper slopes, the Recovery Area Formula may be used as a guide if the embankment height is 10 feet or less.

Clear Zone Distances for State Highways Outside Incorporated Cities*

Posted Speed (mph)	Average Daily Traffic	Cut Section (Backslope) (H:V)					Fill Section (H:V)						
		3:1	4:1	5:1	6:1	8:1	10:1	3:1	4:1	5:1	6:1	8:1	10:1
35 mph or less – Control Zone distance = 10 feet													
40	Under 250	10	10	10	10	10	10	***	13	12	11	11	10
	251-800	11	11	11	11	11	11	***	14	14	13	12	11
	801-2000	12	12	12	12	12	12	***	16	15	14	13	12
	2001-6000	14	14	14	14	14	14	***	17	17	16	15	14
	Over 6000	15	15	15	15	15	15	***	19	18	17	16	15
45	Under 250	11	11	11	11	11	11	***	16	14	13	12	11
	251-800	12	12	13	13	13	13	***	18	16	14	14	13
	801-2000	13	13	14	14	14	14	***	20	17	16	15	14
	2001-6000	15	15	16	16	16	16	***	22	19	17	17	16
	Over 6000	16	16	17	17	17	17	***	24	21	19	18	17
50	Under 250	11	12	13	13	13	13	***	19	16	15	13	13
	251-800	13	14	14	15	15	15	***	22	18	17	15	15
	801-2000	14	15	16	17	17	17	***	24	20	18	17	17
	2001-6000	16	17	17	18	18	18	***	27	22	20	18	18
	Over 6000	17	18	19	20	20	20	***	29	24	22	20	20
55	Under 250	12	14	15	16	16	17	***	25	21	19	17	17
	251-800	14	16	17	18	18	19	***	28	23	21	20	19
	801-2000	15	17	19	20	20	21	***	31	26	23	22	21
	2001-6000	17	19	21	22	22	23	***	34	29	26	24	23
	Over 6000	18	21	23	24	24	25	***	37	31	28	26	25
60	Under 250	13	16	17	18	19	19	***	30	25	23	21	20
	251-800	15	18	20	20	21	22	***	34	28	26	23	23
	801-2000	17	20	22	22	23	24	***	37	31	28	26	25
	2001-6000	18	22	24	25	26	27	***	41	34	31	29	28
	Over 6000	20	24	26	27	28	29	***	45	37	34	31	30
65	Under 250	15	18	19	20	21	21	***	33	27	25	23	22
	251-800	17	20	22	22	24	24	***	38	31	29	26	25
	801-2000	19	22	24	25	26	27	***	41	34	31	29	28
	2001-6000	20	25	27	27	29	30	***	46	37	35	32	31
	Over 6000	22	27	29	30	31	32	***	50	41	38	34	33
70	Under 250	16	19	21	21	23	23	***	36	29	27	25	24
	251-800	18	22	23	24	26	26	***	41	33	31	28	27
	801-2000	20	24	26	27	28	29	***	45	37	34	31	30
	2001-6000	22	27	29	29	31	32	***	50	40	38	34	33
	Over 6000	24	29	31	32	34	35	***	54	44	41	37	36

(In feet, from edge of traveled way**)

*This figure also applies to limited access state highways in cities and median areas on managed access state highways in cities. (See the *Design Manual* for guidance on managed access state highways within incorporated cities.)

**Traveled way: The portion of the roadway intended for the movement of vehicles, exclusive of shoulders and lanes for parking, turning, and storage for turning.

***When the fill section slope is steeper than 4H:1V, but not steeper than 3H:1V, the Control Zone distance is modified by the Recovery Area Formula and is referred to as the recovery area. The basic philosophy behind the Recovery Area Formula is that a vehicle can traverse these slopes but cannot recover (control steering); therefore, the horizontal distance of these slopes is added to the Control Zone distance to form the recovery area.

Clear Zone Distance Table
Figure 1

Recovery Area Formula

The Recovery Area Formula accounts for variable factors in the area adjacent to the traveled way, including shoulder width, ditch and fill slopes, speed, and traffic volumes. Use the following formula to determine the errant vehicle recovery area as defined in Section 3, Control Zone Calculations.

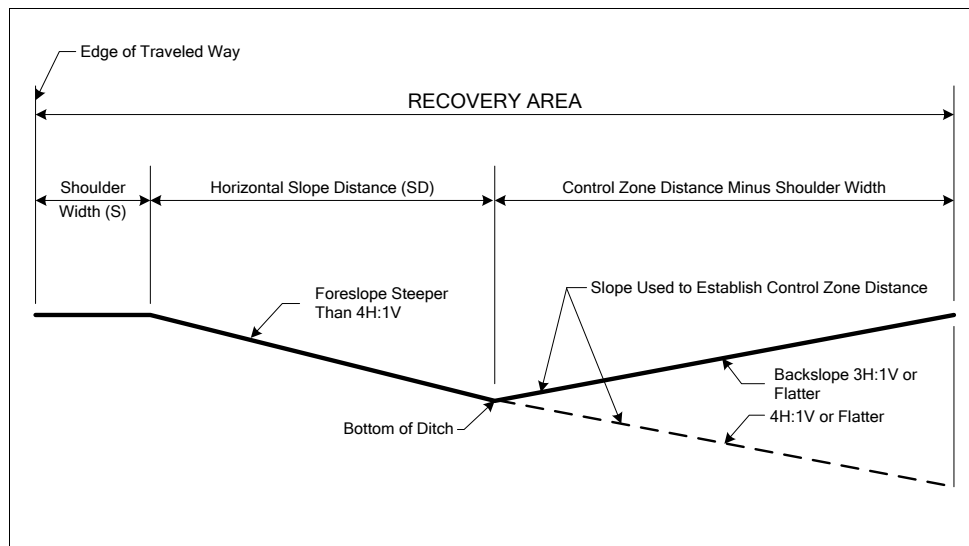
Recovery Area = (shoulder width) + (horizontal distance) + (Control Zone distance – shoulder width)

Where:

S = shoulder width

SD = horizontal slope distance

CZ = Control Zone distance from Control Zone Distance Table (see Figure 1)



Recovery Area Elements
Figure 2

Applicant Certification and Signature

To the best of my knowledge, the information provided herein by me, employees under my supervision, or consultants hired by me is complete and accurate and factually represents all aspects of the proposed utility installation.

Signature _____

Date _____

Print name _____

Title _____

SECTION 4 – REGIONAL CONSIDERATIONS (for Department use, informational only.)

Variance Assessment

Justification denied Justification considered for approval

If alternatives were **not** provided and the Region is considering approval of the request, clearly document any reasons for not requiring alternative investigations and file with the application.

Background

If this is an Amendment, is the parent Franchise current (not expired)? Yes No

If it is not current, has the utility been advised that the Franchise will need to be renewed? Yes No

What is the renewal timeframe and mitigation plan, if required?

Administrative Assessment and Coordination

If a Notice of Filing is necessary, explain why:

Are the proposed location, installation methods, and embankment materials adequate to meet Department requirements?

If this utility installation will impact future design or construction of any currently programmed projects, list the projects and explain the effects of the proposed utility installation:

If there is a probability of this installation affecting currently programmed projects, (1) have appropriate design and construction offices been given an opportunity to review and comment on the proposed installation, and (2) what steps will be taken to coordinate the utility installation with affected projects?

Region Utility Office Recommendation

What is the region's recommendation regarding approval of this Permit/Franchise Application? Application Approved
 Application Denied

Explain the reason(s) for approval or denial:



Utility Permit or Franchise Application
**Limited Access Encroachment
 Variance Request
 Justification Questionnaire**

Permit/Franchise #:		Date:
SR:	MP Limits:	
Applicant:		
Installation Description:		

INSTRUCTIONS: Please read each question carefully and provide thorough and complete answers in all sections. Unanswered questions or vague, incomplete justifications will delay review of your utility permit or franchise application. The WSDOT Region Utilities Office must complete Section 2, *Regional Considerations*. (It is attached for your information only.)

SECTION 1 – VARIANCE DESCRIPTION AND JUSTIFICATION (to be completed by applicant)

Part A – Conditions, Alternatives, and Preferred Route Selection

1. Reason for Installation Inside Limited Access Right of Way

Explain why it is unusually difficult or impossible to install the proposed utility outside limited access right of way:

2. Alternative Routes Considered

Identify all other route and/or installation alternatives considered, and explain why they were rejected. Attach a plan or sketch showing all routes considered:

3. Basis for Selection of Proposed Route

Explain the basis for selection of the chosen route and why it is critical to the alignment of the utility:

4. Cost Justification

If cost is a basis for justification, explain in detail what elements make the alternative locations cost-prohibitive. Attach a complete, detailed estimate of the costs.

5. Utility Maintenance

Will utility maintenance be necessary during the life of this utility? Yes No

If yes, explain the nature, frequency, duration, and management of maintenance operations, including proposed access to the utility, traffic control methods, and other aspects of maintenance operations:

6. Existing Conditions

Provide photographs showing existing conditions at the location of the proposed installation. Include vegetated areas, slope treatment, guardrail, drainage facilities, existing utilities, geologic or other natural features, and other items that will be impacted by this proposal:

7. Additional Information

Provide additional information in support of this Variance Request:

Part B – Variance Justification Submittal Requirements

All accommodation applications that include a variance proposal to occupy access controlled right of way must include:

- This Limited Access Encroachment Variance Request Justification Questionnaire.
- Plan showing all alternative routes considered.
- Engineering plans, profiles, and details for the chosen route.
- Roadway cross section of the entire right of way at regular intervals (maximum 300-foot spacing and at all changes in terrain and topography). Show details relating to width of travel lanes, turn lanes, shoulders, and widened areas, and location of existing and proposed utilities.
- Open trench cross section showing pipe and casing (if applicable), trench width, pipe zone bedding material, backfill material, and existing and replacement surfacing material, width, depth, and specification.
- Utility Maintenance Plan (if necessary).
- Cost estimate (if cost is the reason for rejection of alternatives).
- Additional supporting information.

Applicant Certification and Signature

To the best of my knowledge, the information provided herein by me, employees under my supervision, or consultants hired by me is complete and accurate and factually represents all aspects of the proposed utility installation.

Signature

Date

Print name

Title

SECTION 2 – REGIONAL CONSIDERATIONS (to be completed by WSDOT)**Background**

Is the proposed installation a Franchise Amendment? Yes No

If yes, what is the franchise number that authorizes the parent utility?

Is the parent franchise expired? If yes, process the application using the Franchise Consolidation process. Yes No

Administrative Assessment and Coordination

Is there a need for a Notice of Filing? Yes No

If yes, explain why:

Will the proposal have adverse effects on the design, construction, stability, structural integrity, maintenance, appearance, or operation of the limited access facility or its appurtenances due to the proposal? Yes No

If yes, explain the adverse effects and how their impacts will be mitigated:

Will the proposal have negative impacts or potentially adverse effects on traffic and/or pedestrian movements or on the overall operation of the limited access facility that may occur in the future due to the proposed installation? Yes No

If yes, explain the negative impacts and how they will be mitigated:

Will the utility installation affect design or construction of currently programmed projects? Yes No

If yes, list the projects and explain the effects of the proposed utility installation:

Have appropriate design and construction offices been given an opportunity to review and comment on the proposed installation? Yes No

If so, what steps will be taken to coordinate utility installation with affected projects?

Region Utility Office Recommendation

What is the region's recommendation regarding approval of this application? Application Approved Application Denied

Explain the reason(s) for approval or denial:



Utility Permit or Franchise Application
**Longitudinal Median Installation
Variance Request
Justification Questionnaire**

Permit/Franchise #:		Date:
SR:	MP Limits:	
Applicant:		
Installation Description:		

INSTRUCTIONS: Please read each question carefully and provide thorough and complete answers in all sections. Unanswered questions or vague, incomplete justifications will delay review of your utility permit or franchise application. The WSDOT Region Utilities Office must complete Section 2, *Regional Considerations*. (It is attached for your information only.)

SECTION 1 – VARIANCE IDENTIFICATION AND JUSTIFICATION (to be completed by applicant)

Part A – Conditions, Alternatives, and Preferred Route Selection

1. Reason for Installation Within Highway Median

Explain why it is unusually difficult or impossible to install the proposed utility at a location other than within the highway median:

2. Alternative Routes Considered

Identify all other route alternatives considered and explain why they were rejected. Attach a plan or sketch showing all routes considered:

3. Basis for Selection of Proposed Route

Explain the basis for selection of the chosen route and why it is critical to the alignment of the utility:

4. Cost Justification

If cost is a basis for justification, explain in detail what elements make the cost prohibitive and why. Attach a complete, detailed estimate of the costs:

5. Existing Material and Highway Appurtenances

Identify existing embankment material and roadway surfacing material adjacent to the trench and highway facilities (rock-lined ditches, guardrail or barrier, signs, other utilities, and so on) on or near the proposed open cut route:

6. Existing Conditions

Provide photographs showing existing conditions along the proposed route. Include anticipated or potential impacts to vegetated areas, geologic features, guardrail, drainage features, or other items adjacent to the open cut route.

7. Additional Information

Provide additional information in support of this Variance Request:

Part B – Variance Justification Submittal Requirements

All accommodation applications that include a variance proposal to install longitudinally in the median must include:

- This Longitudinal Median Installation Variance Request Justification Questionnaire.
- Plan showing all alternative routes considered.
- Engineering plans, profiles, and details for the chosen route.
- Roadway cross sections at regular intervals along the route of the longitudinal installation. Show details relating to width of travel lanes, turn lanes, shoulders, widened areas, drainage facilities, signing, and location of existing utilities.
- Trench cross section showing pipe and casing (if applicable); trench width; pipe zone bedding and material; backfill material; and existing and replacement surfacing material, width, depth, and specification.
- Utility Maintenance Plan (if necessary).
- Cost estimate (if cost is reason for rejection of alternatives).
- Additional supporting information.

Applicant Certification and Signature

To the best of my knowledge, the information provided herein by me, employees under my supervision, or consultants hired by me is complete and accurate and factually represents all aspects of the proposed utility installation:

Signature

Date

Print name

Title

SECTION 2 – REGIONAL CONSIDERATIONS (to be completed by WSDOT)

Background

Is the proposed installation a Franchise Amendment? Yes No
 If yes, what is the franchise number that authorizes the parent utility?

Is the parent franchise expired? If yes, process the application using the Franchise Consolidation process. Yes No

Administrative Assessment and Coordination

Is there a need for a Notice of Filing? Yes No
 If yes, explain why:

Will the proposed utility have an adverse effect on the safety, structural integrity, maintenance, appearance, or operation of the highway? Yes No
 If yes, explain why:

Is the proposed installation at a location where WSDOT agrees the proposed embankment materials and installation methods are adequate? Yes No

Will the utility installation affect design or construction of currently programmed projects? Yes No
 If yes, list the projects and explain the effects of the proposed utility installation:

Have appropriate design and construction offices been given an opportunity to review and comment on the proposed installation? Yes No
 If so, what steps will be taken to coordinate utility installation with affected projects?

Region Utility Office Recommendation

What is the region's recommendation regarding approval of this application? Application Approved Application Denied
 Explain the reason(s) for approval or denial:

NOTICE OF FILING

Franchise Application No. _____

(Utility's name), a (private corporation, municipality, etc.), has filed with the Washington State Department of Transportation, under the provisions of Chapter 47.44 RCW and amendments thereto, an application for a franchise to construct, operate, and maintain (short description of facilities) upon a portion of State Route No. _____, in (county in which facilities are located) County, Washington, at the following locations:

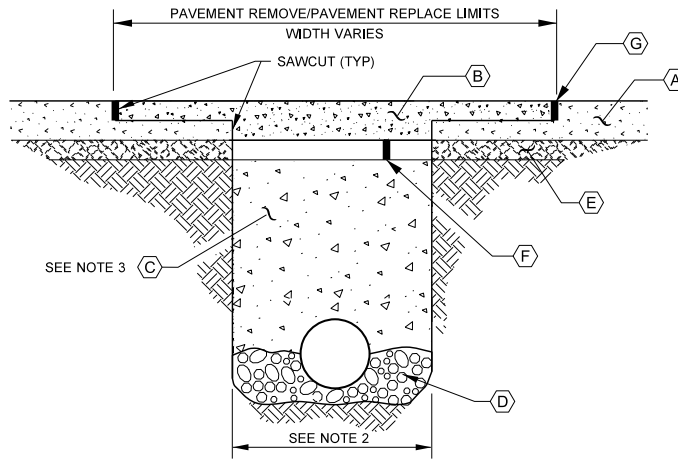
(Legal description showing beginning milepost and legal description) thence northerly (easterly, etc.) to a point opposite approximate (ending milepost and legal description).

NOTICE IS HEREBY GIVEN that this franchise application may be granted by the Secretary of Transportation or his/her designee, with or without hearing, in the absence of receipt by the department of any written inquiries or objections within 14 days after posting and publishing of this notice.

DATED at (region office location), Washington, this _____ day of (Month), 20____.

Regional Administrator

Notice of Filing

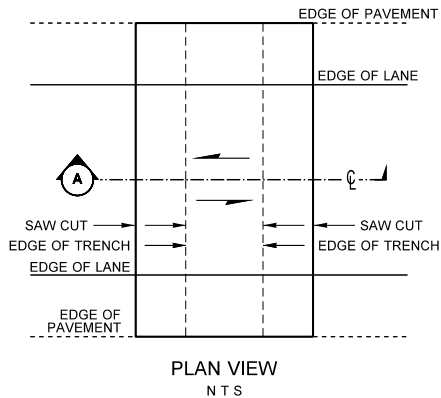


OPEN CUT CROSS SECTION
NTS

LEGEND

- (A) EXISTING HMA (HOT MIX ASPHALT) OR PCCP (PORTLAND CEMENT CONCRETE PAVEMENT).
- (B) HMA CLASS 1/2 INCH OR PCCP; DEPTH AND MATERIAL SHALL MATCH EXISTING PAVEMENT. REMOVAL AND REPLACE-
MENT LIMITS OF PAVEMENT TO BE DETERMINED AT THE TIME OF UTILITY PERMIT/FRANCHISE REVIEW.
- (C) APPROVED BACKFILL MATERIAL OR CDF (CONTROL DENSITY BACKFILL) OR AS SPECIFIED BY WSDOT.
- (D) BEDDING MATERIAL DEPTH BENEATH PIPE / CASING SHALL BE SIX (6) INCHES. ADDITIONAL PIPE BEDDING
SHALL BE PLACED EQUAL TO HALF THE DIAMETER OF PIPE / CASING OR SIX (6) INCHES WHICHEVER IS LESS.
- (E) EXISTING CRUSHED SURFACING BASE COURSE.
- (F) CRUSHED SURFACING BASE COURSE DEPTH SHALL MATCH DEPTH OF EXISTING CRUSHED
SURFACING BASE COURSE.
- (G) HMA BUTT JOINT REQUIRES TACK, SEAL AND SAND. FOR PCCP REFER TO GENERAL NOTE 5.

GENERAL NOTES



1. TRENCHING AND PIPE INSTALLATION SHALL MEET THE REQUIREMENTS OF WSDOT STANDARD SPECIFICATION 7-08.
2. MAXIMUM TRENCH WIDTH SHALL NOT EXCEED CASING / PIPE DIAMETER PLUS AN ADDITIONAL ONE (1) FOOT ON EITHER SIDE OF THE CASING / PIPE.
3. COMPACTION SHALL BE METHOD C PER STANDARD SPEC. SECTION 2-03.3 (14)C.
4. MINIMUM DEPTH SHALL BE SIXTY (60) INCHES FROM THE FINISHED SURFACE TO TOP OF CASING/ PIPE.
5. PCCP SHALL BE REPLACED TO THE NEXT PANEL JOINT IN EACH DIRECTION AS APPROVED BY WSDOT. ALL WORK SHALL BE AS SPECIFIED IN WSDOT STANDARD SPECIFICATION SECTION 5-01.3(4).
6. WHEN CONNECTING TO AN EXISTING FACILITY UNDER THE PAVEMENT, PAVEMENT RESTORATION MAY, AT THE DEPARTMENT'S DISCRETION, INCLUDE THE FULL LANE WIDTH AND ENCROACHED SHOULDER.
7. CASING PIPES SHALL EXTEND A MINIMUM OF SIX (6) FEET BEYOND THE TOE OF FILL SLOPES, BOTTOM OF DITCHLINE, OR OUTSIDE OF CURB.
8. TACK ASPHALT PER WSDOT STANDARD SPECIFICATION 5-4.3(5)A.

APPLICATION:	OPEN CUT CROSSING UTILITY TRENCH BACKFILL DETAIL	 Washington State Department of Transportation WSDOT Utility Accommodation
APPROVALS:		
REVISID: March 2012		

Open Cut Crossing Utility Trench Backfill Detail

Date _____

(applicant's name)
XYZ Telecommunications
1234 W. Utility Lane
Seattle, WA 98133-9710

Subject: SR 000 CS 0000
MP xx to MP xy
Utility Permit/Franchise Application No. _____
Open Cut Pavement Variance Justification Request

Dear (applicant's name):

Thank you for your utility permit/franchise application. Your application to (describe installation) has been determined to be a variance from the Utilities Accommodation Policy, WAC 468-34-190(4). Specifically, you have requested to use a construction method that involves open cutting the existing paved roadway surface.

You must thoroughly justify any request to open cut the existing paved surface by explaining why an open cut construction method is the only reasonable installation alternative available for placement of your utility within the public right of way. Attached for your convenience is an Open Cut Pavement Justification Questionnaire to assist you in complying with this justification requirement.

Please complete the Open Cut Pavement Justification Questionnaire in its entirety. Unanswered questions or vague, incomplete information may cause a delay in the review.

If you need further assistance or have any questions, please call (phone number) or e-mail at (e-mail address).

Sincerely,

Name (upper/lower case)
Title

SIGNATORY INITIALS: typist's initials

Enclosure
cc: File

Open Cut Pavement Request Letter



Utility Permit or Franchise Application
**Open Cut Pavement
 Variance Request
 Justification Questionnaire**

Permit/Franchise #:		Date:
SR:	MP Limits:	
Applicant:		
Installation Description:		

INSTRUCTIONS: Please read each question carefully and provide thorough and complete answers in all sections. Unanswered questions or vague, incomplete justifications will delay review of your utility permit or franchise application. The WSDOT Region Utilities Office must complete Section 2, *Regional Considerations*. (It is attached for your information only.)

SECTION 1 – JUSTIFICATION OF VARIANCE PROPOSAL (to be completed by applicant)

1. Reason for Open Cut Installation

Explain why it is unusually difficult or impossible to employ subsurface (trenchless) installation techniques to install the proposed utility beneath the pavement structure:

2. Alternative Routes Considered

Identify all other route and/or installation alternatives considered, and explain why they were rejected. Attach a plan or sketch showing all routes considered:

3. Basis for Selection of Proposed Route

Explain the basis for selection of the chosen route and why it is critical to the alignment of the utility:

4. Cost Justification

If cost is a basis for justification, explain in detail what elements make the alternative locations cost-prohibitive. Attach a complete, detailed estimate of the costs.

5. Utility Maintenance

Will utility maintenance be necessary during the life of this utility? Yes No

If yes, explain the nature, frequency, duration, and management of maintenance operations, including proposed access to the utility, traffic control methods, and other aspects of maintenance operations:

6. Existing Surface Material

Identify existing surface material of traveled lanes, shoulders and widened areas, embankments, and special construction details (such as rock-lined ditch or slope treatment) at open cut location:

7. Existing Conditions

Provide photographs showing the existing conditions on both sides of highway at location of open cut. Include vegetated areas, geologic features, guardrail, drainage features, or other items that will be impacted by this open cut proposal:

8. Profile of Proposed Open Cut Installation

Provide a roadway cross section showing a profile of the proposed open cut installation across the entire WSDOT right of way at the proposed open cut location. This information should include (1) the location of all existing utilities, (2) the width of traveled lanes, turn lanes, shoulders, and widened areas outside of shoulders, and (3) the angle and depth of the proposed utility installation in relation to the existing roadway surface, ditching and/or embankments. Dimension all information from the centerline of the highway horizontally and depth information from appropriate points vertically.

9. Proposed Open Cut Trench Cross Section

Provide a proposed open cut trench cross section showing pipe and casing ID and OD (if applicable); typical trench construction width; typical pipe zone bedding depth and material; typical trench backfill depth and material; and existing and replacement surfacing depth and material and the width and method of repair of roadway surface.

10. Additional Information

Provide additional information in support of this Variance Request:

SECTION 2 – REGIONAL CONSIDERATIONS (to be completed by WSDOT)

Background

Is the proposed installation a Franchise Amendment? Yes No
If yes, what is the franchise number that authorizes the parent utility?

Is the parent franchise expired? If yes, process the application using the Franchise Consolidation process. Yes No

Administrative Assessment and Coordination

Is there a need for a Notice of Filing (WAC 468-34-030)? Yes No
If yes, explain why:

Will the proposal have adverse effects on the structural integrity, maintenance, appearance, or operation of the highway? Yes No
If yes, explain the adverse effects:

Will the proposal have negative impacts or potentially adverse effects on traffic and/or pedestrian movements or on the overall operation of the limited access facility that may occur in the future due to the proposed installation? Yes No
If yes, explain the adverse effects:

Will the utility installation affect design or construction of currently programmed projects? Yes No
If yes, list the projects and explain the effects of the utility installation:

What is the schedule of the proposed utility installation and WSDOT projects identified above and are there potential conflicts?

Have appropriate design and construction offices been given an opportunity to review and comment on the proposed installation? Yes No
If so, what steps will be taken to coordinate utility installation with affected projects?

Region Utility Office Recommendation

What is the region's recommendation regarding approval of this application? Application Approved Application Denied
Explain the reason(s) for approval or denial:

After recording return document to:

State of Washington
Department of Transportation
Real Estate Services Office
P O Box 47338
Olympia WA 98504-7338

Document Title: Quitclaim Deed
Reference Number of Related Document: { }
Grantor(s): { }
Grantee(s): State of Washington, Department of Transportation
Legal Description: { }
Additional Legal Description is on Page(s) { } of Document.
Assessor's Tax Parcel Number(s): { }

QUITCLAIM DEED

State Route { }

The Grantor, { utility company name }, { type of entity }, for and in consideration of TERMS SET FORTH IN UTILITY AGREEMENT NO. UT _____, hereby conveys and quitclaims to the **State of Washington, Department of Transportation**, the following described real property, and any after acquired interest therein, situated in { } County, State of Washington, under the imminent threat of the Grantee's exercise of its right of Eminent Domain:

For legal description and additional conditions,
see Exhibit A attached hereto and made a part hereof.

It is understood and agreed that delivery of this deed is hereby tendered and that the terms and obligations hereof shall not become binding upon the State of Washington

RES-306
Revised 09/05

Page { page } of { numpages } pages

FA No. F-{ } ()
Project No. { }
Parcel No. { }

After recording return document to:

State of Washington
Department of Transportation
Real Estate Services Office
P O Box 47338
Olympia WA 98504-7338

Document Title: Quitclaim Deed
Reference Number of Related Document: { }
Grantor(s): { }
Grantee(s): State of Washington, Department of Transportation
Legal Description: { }
Additional Legal Description is on Page(s) { } of Document.
Assessor's Tax Parcel Number(s): { }

QUITCLAIM DEED

State Route { }

The Grantor, { utility company name }, { type of entity }, for and in consideration of TERMS SET FORTH IN UTILITY AGREEMENT NO. UT _____, hereby conveys and quitclaims to the **State of Washington, Department of Transportation**, the following described real property, and any after acquired interest therein, situated in { } County, State of Washington, under the imminent threat of the Grantee's exercise of its right of Eminent Domain:

For legal description and additional conditions,
see Exhibit A attached hereto and made a part hereof.

It is understood and agreed that delivery of this deed is hereby tendered and that the terms and obligations hereof shall not become binding upon the State of Washington

RES-306
Revised 09/05

Page { page } of { numpages } pages

FA No. F-{ } ()
Project No. { }
Parcel No. { }

QUITCLAIM DEED

unless and until accepted and approved hereon in writing for the State of Washington,
Department of Transportation, by the Director of Real Estate Services.

Date: _____, {year}

{ utility company }

By: _____
{ officer }

Its: _____
{ name }

By: _____
{ officer }

Its: _____
{ name }

Accepted and Approved

STATE OF WASHINGTON,
Department of Transportation

By: _____
Gerald L. Gallinger
Director, Real Estate Services

Date: _____

RES-306

Page { page } of { numpages } pages Parcel No. { }

After recording return document to:

State of Washington
Department of Transportation
Real Estate Services Office
P O Box 47338
Olympia WA 98504-7338

Document Title: Quitclaim Deed
Reference Number of Related Document: { }
Grantor(s): { }
Grantee(s): State of Washington, Department of Transportation
Legal Description: { }
Additional Legal Description is on Page(s) { } of Document.
Assessor's Tax Parcel Number(s): { }

QUITCLAIM DEED

State Route { }

The Grantor, { utility company name }, { type of entity }, for and in consideration of TERMS SET FORTH IN UTILITY AGREEMENT NO. UT _____, hereby conveys and quitclaims to the **State of Washington, Department of Transportation**, the following described real property, and any after acquired interest therein, situated in { } County, State of Washington, under the imminent threat of the Grantee's exercise of its right of Eminent Domain:

For legal description and additional conditions,
see Exhibit A attached hereto and made a part hereof.

It is understood and agreed that delivery of this deed is hereby tendered and that the terms and obligations hereof shall not become binding upon the State of Washington

RES-306
Revised 09/05

Page { page } of { numpages } pages

FA No. F-{ } ()
Project No. { }
Parcel No. { }



Utility Permit or Franchise Application
**Roadway Prism Open Trench
 Variance Request
 Justification Questionnaire**

Permit/Franchise #:		Date:
SR:	MP Limits:	
Applicant:		
Installation Description:		

INSTRUCTIONS: Please read each question carefully and provide thorough and complete answers in all sections. Unanswered questions or vague, incomplete justifications will delay review of your utility permit or franchise application. The WSDOT Region Utilities Office must complete Section 2, *Regional Considerations*. (It is attached for your information only.)

SECTION 1 – VARIANCE IDENTIFICATION AND JUSTIFICATION (to be completed by applicant)

Part A – Conditions, Alternatives, and Preferred Route Selection

1. Reason for Use of Open Trench Installation Method at or Along the Chosen Route

Explain why it is unusually difficult or impossible to install the proposed utility using trenchless construction methods in lieu of open trenching the roadway prism outside the pavement structure:

2. Alternative Routes Considered

Identify all other route and/or installation alternatives considered, and explain why they were rejected. Attach a plan or sketch showing all routes considered:

3. Basis for Selection of Proposed Route

Explain the basis for selection of the chosen route and why it is critical to the alignment of the utility:

4. Cost Justification

If cost is a basis for justification, explain in detail what elements make the alternative locations cost-prohibitive. Attach a complete, detailed estimate of the costs:

5. Existing Material and Roadside Appurtenances

Identify existing embankment material and roadway surfacing material adjacent to the trench and highway facilities (such as rock-lined ditches, slope treatment, drainage facilities, vehicular barriers, signs, guideposts, mileposts, or other utilities) on or near the proposed open cut route:

6. Existing Conditions

Provide photographs showing existing conditions at the location and in the vicinity along the proposed route. Include anticipated or potential impacts to vegetated areas, geologic features, guardrail, drainage features, or other items adjacent to the open cut route:

7. Utility Maintenance

Will utility maintenance be necessary during the life of this utility? Yes No

If yes, explain the nature, frequency, duration, and management of maintenance operations, including proposed access to the utility, traffic control methods, and other aspects of maintenance operations:

8. Additional Information

Provide additional information in support of this Variance Request:

Part B – Variance Justification Submittal Requirements

All accommodation applications that include a variance proposal to use open trench construction methods within the roadway prism must include:

- This Roadway Prism Open Trench Variance Request Justification Questionnaire.
- Plan showing all alternative routes considered.
- Engineering plans, profiles, and details for the chosen route.
- Roadway cross section of the entire right of way if open cut is normal to centerline; or at regular intervals if a longitudinal open cut. Show details relating to width of travel lanes, turn lanes, shoulders, and widened areas, and location of existing and proposed utilities.
- Open trench cross section showing pipe and casing (if applicable), trench width, pipe zone bedding material, backfill material, and existing and replacement material, width, depth, and specification.
- Utility Maintenance Plan (if necessary).
- Cost estimate (if cost is reason for rejection of alternatives).
- Additional supporting information.

Applicant Certification and Signature

To the best of my knowledge, the information provided herein by me, employees under my supervision, or consultants hired by me is complete and accurate and factually represents all aspects of the proposed utility installation.

Signature

Date

Print name

Title

SECTION 2 – REGIONAL CONSIDERATIONS (to be completed by WSDOT)**Background**

Is the proposed installation a Franchise Amendment? Yes No

If yes, what is the franchise number that authorizes the parent utility?

Is the parent franchise expired? If yes, process the application using the Franchise Consolidation process. Yes No

Administrative Assessment and Coordination

Is there a need for a hearing (WAC 468-34-030)? Yes No

If yes, explain why:

Will the proposed utility have impacts or adverse effects on the design, construction, safety, stability, structural integrity, maintenance, appearance, or operation of the highway? Yes No

If yes, explain the impacts or adverse effects:

Is the proposed installation at a location where WSDOT agrees the proposed embankment materials and installation methods are adequate? Yes No

Will the proposal have negative impacts or potentially adverse effects on traffic and/or pedestrian movements or on the overall operation of the limited access facility that may occur in the future due to the proposed installation? Yes No

If yes, explain the negative impacts and how they will be mitigated:

Will the utility installation affect design or construction of currently programmed projects? Yes No

If yes, list the projects and explain the effects of the proposed utility installation:

Have appropriate design and construction offices been given an opportunity to review and comment on the proposed installation? Yes No

If so, what steps will be taken to coordinate utility installation with affected projects:

Region Utility Office Recommendation

What is the region's recommendation regarding approval of this application: Application Approved

Application Denied

Explain the reason(s) for approval or denial:



Utility Permit or Franchise Application
**Scenic Classification
 Variance Request
 Justification Questionnaire**

Permit/Franchise #:		Date:
SR:	MP Limits:	
Applicant:		Scenic Classification:
Installation Description:		

INSTRUCTIONS: As defined in WAC 468-34-330, aerial facilities along highways in Scenic Classes A and B are considered a variance from WSDOT policy and must be installed underground. Proposed installations contrary to this policy require reasonable and acceptable justification for doing so.

Please read each question carefully and provide thorough and complete answers in all sections. Unanswered questions or vague, incomplete justifications will delay review of your utility permit or franchise application. Questions requiring further clarification should be answered on a separate sheet and attached to this questionnaire. The WSDOT Region Utilities Office must complete Section 2, *Regional Considerations*. (It is attached for your information only.)

SECTION 1 – JUSTIFICATION OF VARIANCE PROPOSAL (to be completed by applicant)

1. Variance Request Description

Please explain the nature of your Variance Request and why the installation is a variance:

2. Existing Right of Way Conditions

Provide photographs showing the existing conditions and scenic vistas on both sides of highway at or along the location of the proposed installation. Include any vegetated areas, wetlands, geologic features, guardrail, drainage features, or other items that may be considered valuable to the scenic quality of this section of highway.

3. Special Exceptions Consideration

Does the proposed utility installation have power lines in excess of 35 Kv? Yes No

If yes, explain the special design features that will be incorporated into the project to minimize the visual impact of the proposed facility (if approved):

Are alternative routes or locations available for installation of the proposed utility? Yes No

If no, please explain why no alternative routes are available. Provide aerial photographs, mapping, or other evidence to support this claim:

 If alternative routes are available, describe the number and location of the alternative routes considered for the proposed facility (alternative routes *must* be considered in order to obtain justification approval):

Explain why these alternative routes were not selected:

 Is this facility proposed to be installed upon existing utility poles or other facilities within Class A or B? Yes No

 Are the alternative locations visually more undesirable? Yes No
 If yes, please explain. Support your explanation with photographic evidence and other documentation:

 Is undergrounding the proposed utility technically feasible? Yes No
 If no, please explain. Support your claim with geotechnical reports or similar evidence obtained during your research:

 Will the cost of undergrounding adversely affect utility consumer rates? Yes No
 If yes, please explain. Provide detailed calculations or analyses to support your claim:

 Will the cost of undergrounding have an adverse affect on the long-term economics of the utility? Yes No
 If yes, please explain. Provide detailed data supporting your claim:

4. Additional Information

Provide additional information in support of this Variance Request:

SECTION 2 – REGIONAL CONSIDERATIONS (to be completed by WSDOT)

Background

Is the utility proposing to use existing utility poles as part of this installation? Yes No

If yes, who is the owner of the poles?

Are the existing poles properly franchised or permitted? Yes No

If yes, what is the permit/franchise number that permits the poles?

If a franchise, has it been renewed at least once? Yes No

If the franchise has not been renewed, is it expired? Yes No

If renewed, in what year is the current renewal due to expire?

Has the utility been informed that the franchise will need to be undergrounded at the next renewal? Yes No

If no, explain why not:

Administrative Assessment and Coordination

Is there a need for a Notice of Filing? Yes No

If yes, explain why:

Will the proposal have any adverse effects on the structural integrity, maintenance, appearance, or operation of the highway? Yes No

If yes, explain adverse effects:

Will the utility installation affect design or construction of currently programmed projects? Yes No

If yes, list the projects and explain the effects of the proposed utility installation:

Have appropriate design and construction offices been given an opportunity to review and comment on the proposed installation? Yes No

If so, what steps will be taken to coordinate utility installation with affected projects:

Region Utility Office Recommendation

What is the region's recommendation regarding approval of this application? Application Approved Application Denied

Explain the reason(s) for approval or denial:



Utility Permit or Franchise Application
**Shallow Depth Installation
 Variance Request
 Justification Questionnaire**

Permit/Franchise #:		Date:
SR:	MP Limits:	
Applicant:		
Installation Description:		

INSTRUCTIONS: Please read each question carefully and provide thorough and complete answers in all sections. Unanswered questions or vague, incomplete justifications will delay review of your utility permit or franchise application. The WSDOT Region Utilities Office must complete Section 2, *Regional Considerations*. (It is attached for your information only.)

SECTION 1 – VARIANCE IDENTIFICATION AND JUSTIFICATION (to be completed by applicant)

Part A – Conditions, Alternatives, and Preferred Route Selection

1. Reason for Shallow Depth Installation

Explain why it is unusually difficult or impossible to install the proposed utility at the minimum required depth:

2. Alternative Routes Considered

Identify all other route and/or installation alternatives considered, and explain why they were rejected. Attach a plan or sketch showing all routes considered.

3. Basis for Selection of Proposed Route

Explain the basis for selection of the chosen route and why it is critical to the alignment of the utility:

4. Cost Justification

If cost is a basis for justification, explain in detail what elements make the alternative locations cost-prohibitive. Attach a complete, detailed estimate of the costs.

5. Existing Material and Highway Appurtenances

Identify existing subgrade and embankment material and roadway surfacing material above the proposed utility installation and any highway facilities (such as rock-lined ditches, vehicular barriers, signs, guideposts, mileposts, or other utilities) on or near the shallow depth route:

6. Existing Conditions

Provide photographs showing existing conditions along the proposed route. Include any anticipated or potential impacts to vegetated areas, geologic features, guardrail, drainage features, or other items adjacent to the shallow depth route.

7. Additional Information

Provide additional information in support of this Variance Request:

Part B – Variance Justification Submittal Requirements

All accommodation applications that include a variance proposal to use open cut construction methods must include the following:

- This Shallow Depth Installation Variance Request Justification Questionnaire.
- Plan showing all alternative routes considered.
- Engineering plans, profiles, and details for the chosen route.
- Protective Measures Plan detailing protective measures installation and construction.
- Roadway cross section of the entire right of way where the shallow installation is normal to centerline, or at regular intervals if a longitudinal installation. Show details relating to width of travel lanes, turn lanes, shoulders, and widened areas, and location of existing and proposed utilities.
- Utility Maintenance Plan (if necessary).
- Cost estimate (if cost is the reason for rejection of alternatives).
- Additional supporting information.

Applicant Certification and Signature

To the best of my knowledge, the information provided herein by me, employees under my supervision, or consultants hired by me is complete and accurate and factually represents all aspects of the proposed utility installation.

Signature

Date

Print name

Title

SECTION 2 – REGIONAL CONSIDERATIONS (to be completed by WSDOT)**Background**

Is the proposed installation a Franchise Amendment? Yes No
 If yes, what is the franchise number that authorizes the parent utility?

Is the parent franchise expired? Yes No
 If yes, process the application using the Franchise Consolidation process.

Administrative Assessment and Coordination

Is there a need for a Notice of Filing? Yes No
 If yes, explain why:

Will the proposed utility have an adverse effect on the safety, structural integrity, maintenance, appearance, or operation of the highway? Yes No

Is the proposed installation at a location where WSDOT agrees the proposed embankment materials and installation methods are adequate? Yes No

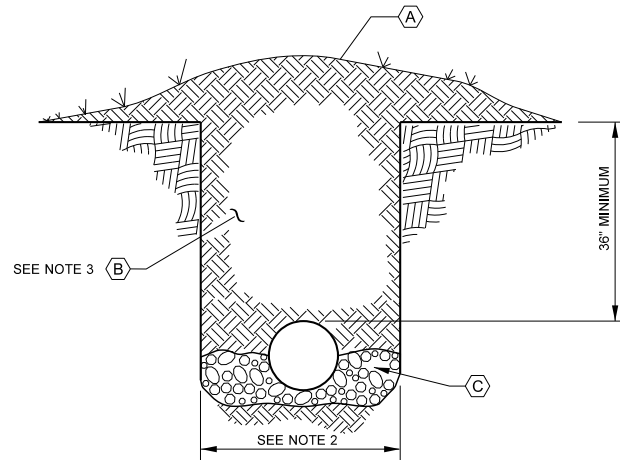
Will the utility installation affect design or construction of currently programmed projects? Yes No
 If yes, list the projects and explain the effects of the proposed utility installation:

Have appropriate design and construction offices been given an opportunity to review and comment on the proposed installation? Yes No
 If so, what steps will be taken to coordinate utility installation with affected projects?

Region Utility Office Recommendation

What is the region's recommendation regarding approval of this application? Application Approved
 Application Denied

Explain the reason(s) for approval or denial:



TRENCH CROSS SECTION
NTS

LEGEND

- (A) SURFACE RESTORATION WILL MATCH EXISTING ADJACENT TREATMENT (SEEDING, BARK, ETC.)
- (B) NATIVE MATERIAL OR AS DIRECTED BY WSDOT.
- (C) BEDDING MATERIAL DEPTH BENEATH THE PIPE CASING SHALL BE SIX (6) INCHES. ADDITIONAL PIPE BEDDING SHALL BE PLACED EQUAL TO HALF THE DIAMETER OF PIPE CASING OR SIX (6) INCHES WHICHEVER IS LESS.

GENERAL NOTES

1. TRENCHING AND PIPE INSTALLATION SHALL MEET THE REQUIREMENTS OF WSDOT STANDARD SPECIFICATION 7-08
2. MAXIMUM TRENCH WIDTH SHALL NOT EXCEED THE CASING / PIPE DIAMETER PLUS AN ADDITIONAL ONE FOOT ON EITHER SIDE OF THE CASING / PIPE.
3. COMPACTION SHALL BE METHOD C PER SECTION 2-03.3 (14)C
4. CASING PIPES SHALL EXTEND A MINIMUM OF SIX (6) FEET BEYOND THE TOE OF FILL SLOPES, BOTTOM OF DITCHLINE, OR OUTSIDE OF CURB.

APPLICATION:	UTILITY TRENCH BACKFILL DETAIL	 Washington State Department of Transportation WSDOT Utility Accommodation	
APPROVALS:			
REVISSED: March 2012			DATE:

Utility Trench Backfill Detail

