

# NWR Project Utility Relocation Scoping Estimate Worksheet

Section to be filled out by organization responsible for scope development

State Route: \_\_\_\_\_ MP Limits: \_\_\_\_\_

Project Title: \_\_\_\_\_

Project Description:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Exhibit showing probable footprint of project attached: \_\_\_\_\_

Section below to be filled out by NWR Utilities Office

## Document Review

A search of the WSDOT Permit and Franchise Data Base found the following utility permits and franchises within the project limits:

\_\_\_\_\_

A search of the WSDOT Utility Agreement Data Base found the following commitments:

\_\_\_\_\_

A search of City/County utility data bases where available found the following utility information:

\_\_\_\_\_

A review of Right of Way plans and other real estate documents found the following utility easements:

\_\_\_\_\_

## Field Review

Evidence of Utilities (Describe the Utility Facility)

Gas \_\_\_\_\_ Drainage/Irrigation \_\_\_\_\_

Electric Power \_\_\_\_\_ Fiber Optic \_\_\_\_\_

Telephone \_\_\_\_\_ Sewer \_\_\_\_\_

Cable TV \_\_\_\_\_ Water \_\_\_\_\_

Others \_\_\_\_\_

Determine whether or not a utility facility will likely require relocation. The assessment should be as accurate as possible. The assessment should be based on the probable worst case and highest cost assumptions. The Utility Section should consult with project staff to verify the assessment, especially when significant financial impacts are likely. Reasons why a utility may need to be relocated include alignment changes, roadway widening, profile changes, new ramps, installation of new drainage facilities, and installation of aerial facilities such as signal and illumination poles.

Responsibility determination is the process of analyzing the occupancy rights of the owner of the utility facility. Who has the prior or superior right in the area of the impacted facility is the basis for determining the responsibility for payment of relocation costs. For the purpose of scoping it is appropriate to assume that utility facilities located beyond the existing right of way line are there by a legitimate property right and will be the state's responsibility to relocate. There are instances where the utility owner is located on WSDOT right of way under franchise agreement, but actually had a previous property right. In these instances the state may have issued a joint use agreement committing the state to pay for future utility relocations.

Cost Responsibility Matrix		State						Utility Owner			
Utility Type	Utility Owner	Fee Ownership	Easement	City Utility on City R/W per RCW 47.24.020	Overhead City Utility on Limited Access Facility Per RCW 47.52.090	Agreement	Prescriptive Right	Franchise	Permit	Underground City Utility on Limited Access Facility Per RCW 47.52.090	Trespass
Electric Power											
Telephone											
Cable TV											
Gas											
Sewer											
Water											
Fiber Optic											
Other											

Once potential utility relocations and responsibility have been identified, scoping level estimates for the work should be prepared. These estimates are typically made using cost per linear foot and/or costs per pole. Estimates should include both engineering and construction costs. Estimates should also include a cost for replacement property or easements if relocation off WSDOT right of way will be involved. Environmental and schedule impacts should be considered. Also, consider whether the city has an under-grounding policy that needs to be addressed. A strategy for accomplishing the relocations (such as joint trench/utilidor concepts) should be developed and noted on the form. For significant relocations utility owners should be contacted for their perspective.

It may be possible to avoid utility relocation by accurately locating below ground facilities using Subsurface Utility Engineering (SUE). Costs for SUE beyond the customary Levels C and D should be included in the scoping estimate if the project meets the criteria set forth in the NWR's SUE Utilization Matrix.

