

Marquam Hill Connector
Summary Table
 April 10, 2019



Type	Opportunities	Challenges	Approx. Cost (\$ millions)
Inclined Elevators	<ul style="list-style-type: none"> Experience: Unique new attraction in Portland Access: Overcomes vertical & horizontal distances; provides for dispersal to many destinations at Terwilliger & bus Context: Trackway has relatively low impact 	<ul style="list-style-type: none"> Context: Mechanical & boarding structures will be visible within surroundings; Retaining walls required for undercrossing will have significant visual & construction impact Operational: No precedent in Portland; may include attendants, limited hours, and/or user fee Experience: Unfamiliar mode for many people 	35 – 45
Bridge + Elevators	<ul style="list-style-type: none"> Experience: Creates new view points Access: Provides for dispersal to many destinations at Terwilliger & bus Context: Flexible to design & locate Operational: Relatively simple, predictable to build & operate Budget: Relatively low cost 	<ul style="list-style-type: none"> Access: Physical effort needed to use bridge & connect to uphill destinations Context: Bridge & elevator structures likely to be visible from Terwilliger Parkway & surroundings; difficult to avoid protected view points 	15 – 25
Tunnel + Elevators	<ul style="list-style-type: none"> Experience: Weather protection Context: Minimizes visual impacts on surroundings (after construction); maintains use & identity of Terwilliger Parkway 	<ul style="list-style-type: none"> Budget: Relatively high cost & difficult to build Access: Limited connectivity to Marquam Hill destinations; adds pedestrian traffic to Kohler Pavilion vicinity Context: May have significant disruption during construction Operational: Complex to maintain, may include attendants, limited hours and/or user fee Experience: Challenging environment to make high quality pedestrian experience; safety & security concerns 	55 – 125
Aerial Tram*	<ul style="list-style-type: none"> Context: Maintains use and identity of Terwilliger Parkway (no at-grade crossing) Operational: Familiar system in Portland 	<ul style="list-style-type: none"> Budget: High construction costs and risks Operational: Likely will require attendants; may have limited hours and/or user fee Context: Likely visible support structure(s) from Terwilliger Parkway and surroundings 	50 – 85

* Cost analysis only, not evaluated as a full option