



The Columbia: America's Greatest Highway

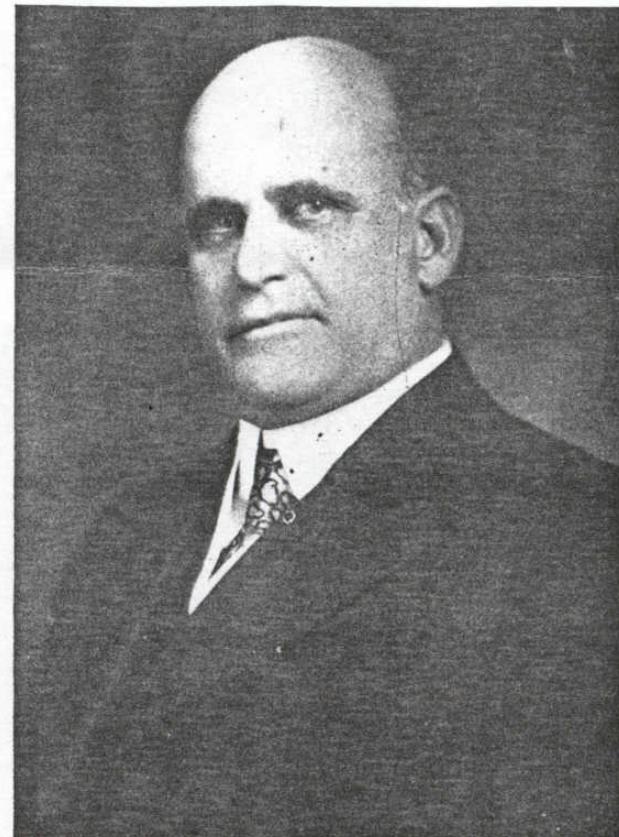
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- ➔ Senior Historian
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23e Congrès mondial de la Route - Paris 2007

Samuel Hill and Samuel Lancaster



Samuel Hill

Samuel O. Lancaster

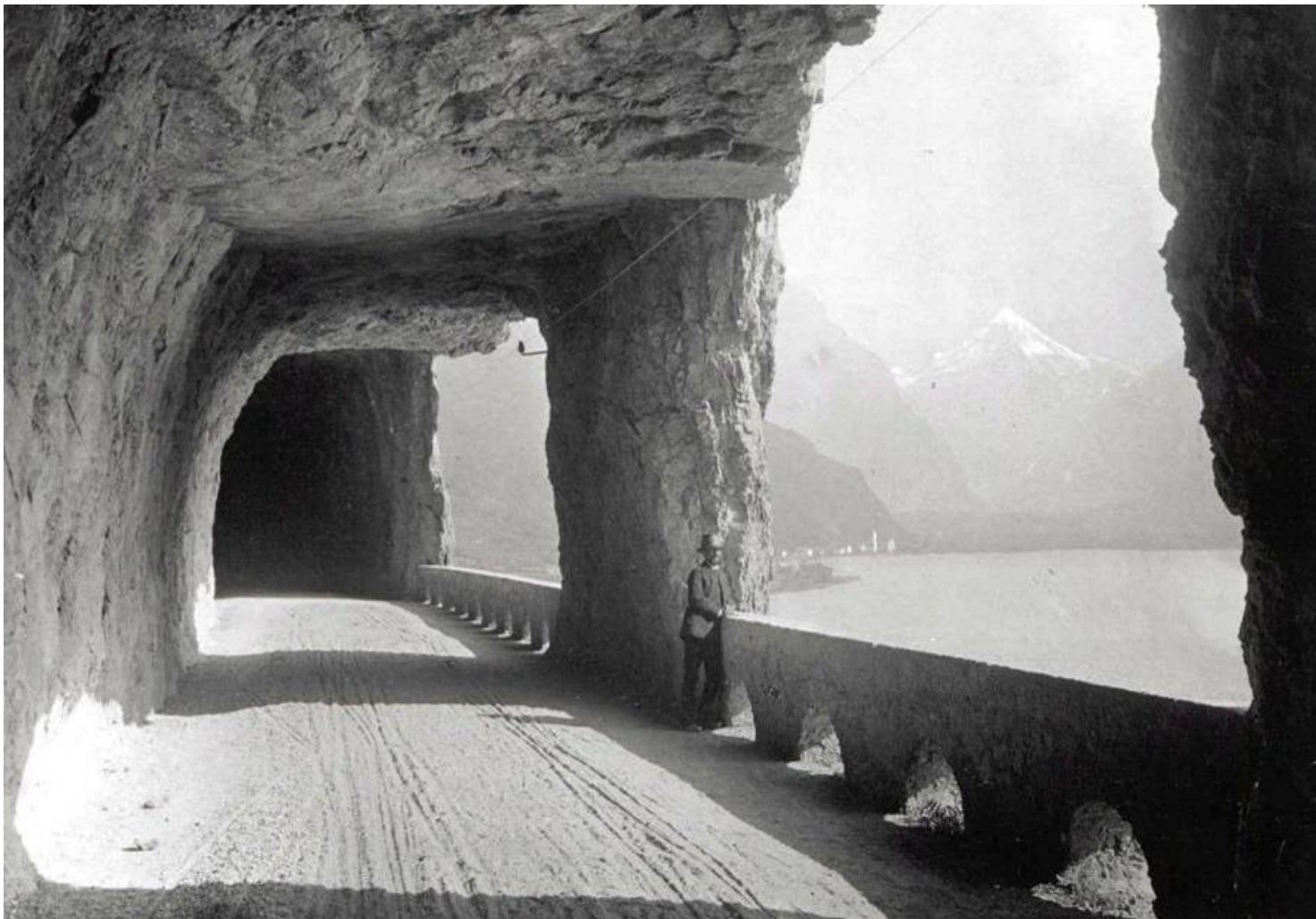
Arc de Triomphe, Paris, 1908, photo by Sam Hill



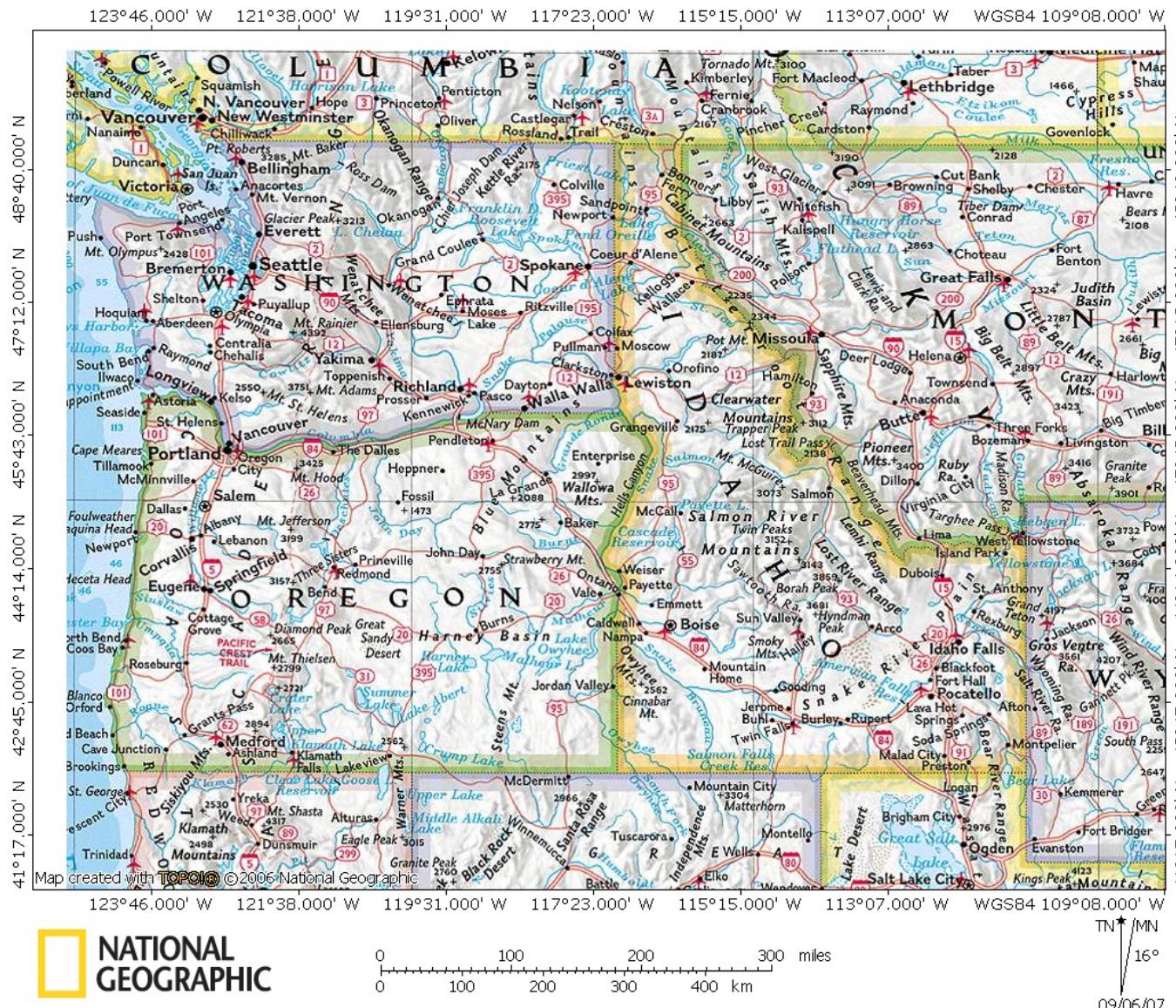
E. Purnell Hooley, England, 1908, photo by Sam Hill



Axenstrasse in Switzerland



Pacific Northwest of the United States



NATIONAL
GEOGRAPHIC

Columbia River Gorge, east of Portland, Oregon

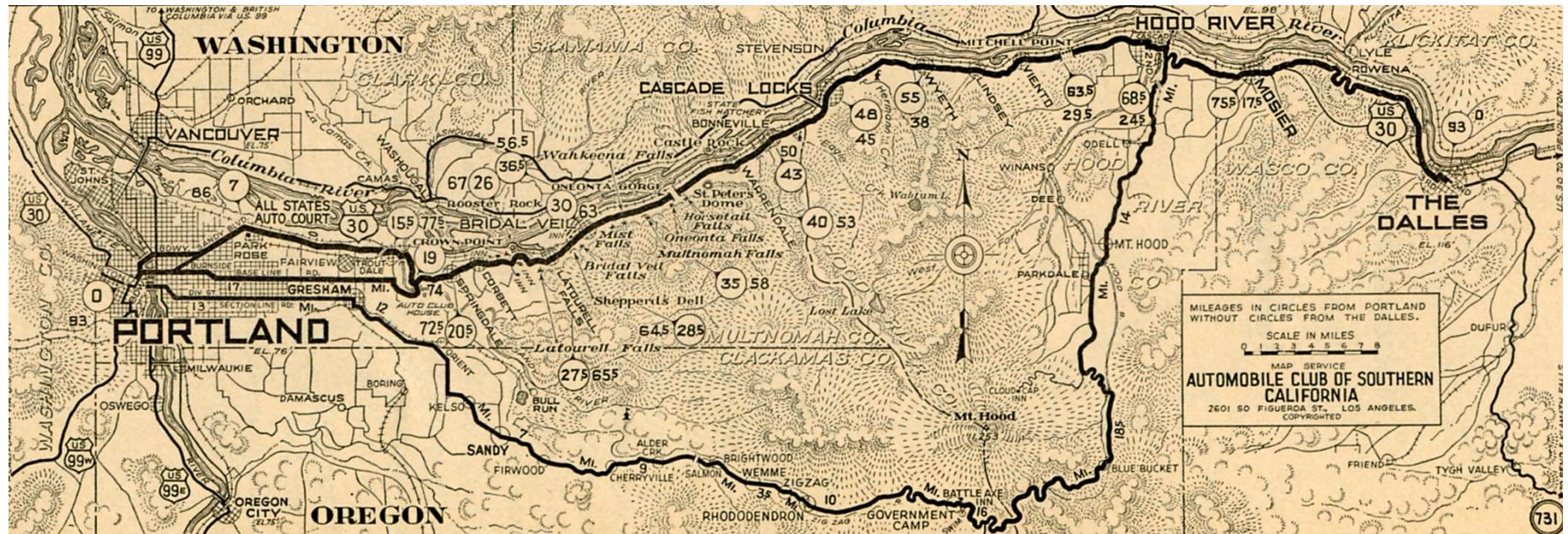


1st American Congress of Road Builders, 1909



Road building, Maryhill Ranch, 1911





Lancaster's Design Standards

--Maximum 5 percent grade

--Minimum 60 meter turning radius on curves

--Road width 7.3 meters

(5.3 meter macadam travel way and two 1.0 meter shoulders)

Masonry Guard Wall, 2006



Shepperds Dell Pedestrian Trail



Rowena Loops

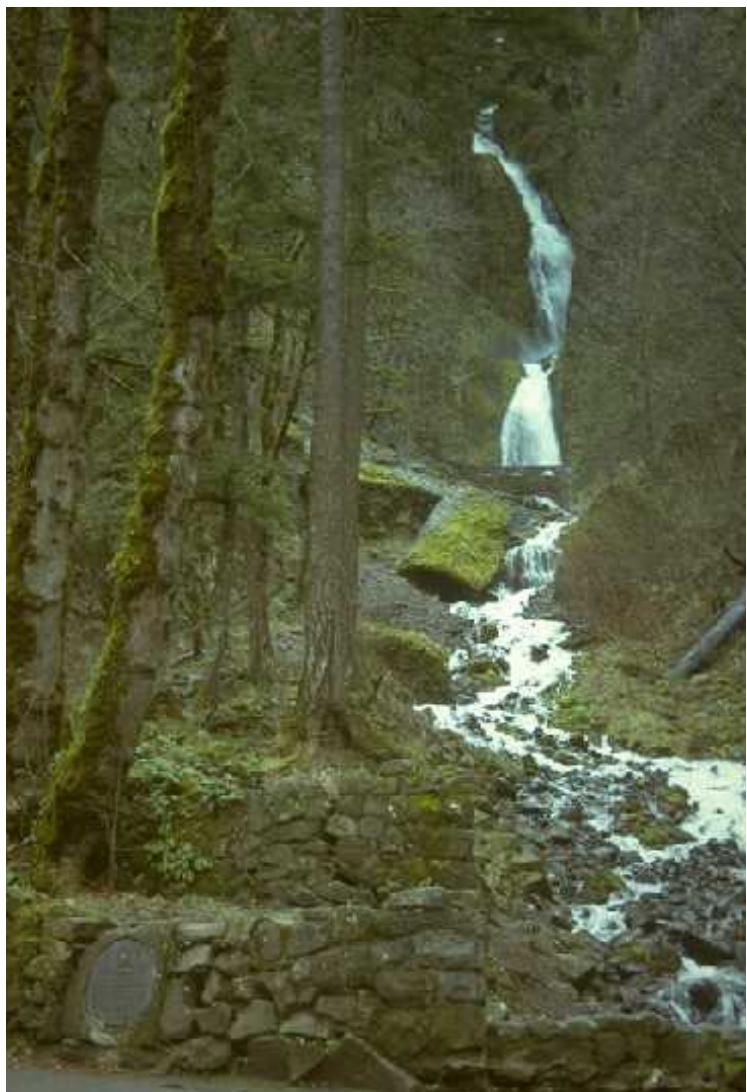


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Latourell Falls, 1920 and 2007



Wahkeena Falls, 1914 and 2007



Latourell Falls Bridge (1914)





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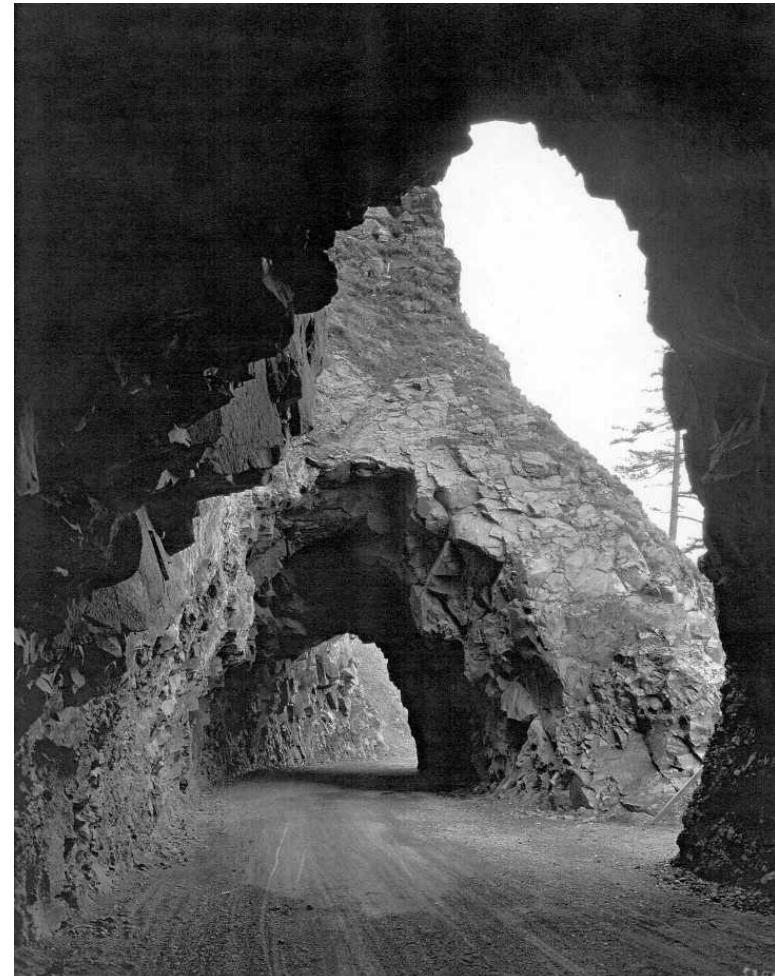
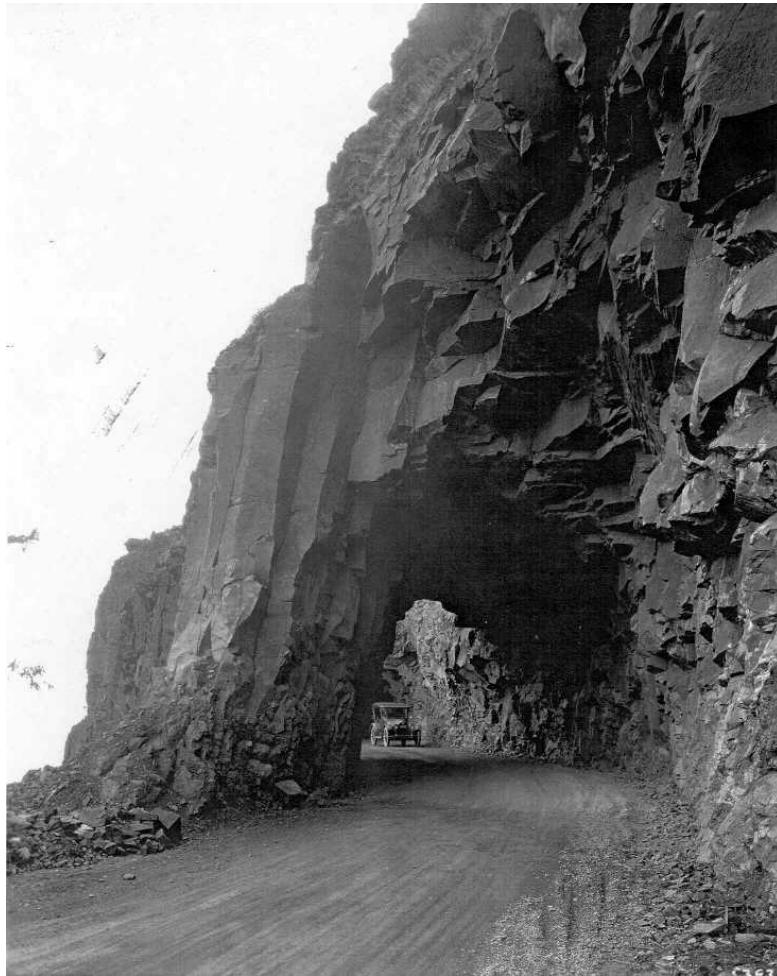
Moffett Creek Bridge, restored 1999



Mitchell Point Tunnel



Mosier Twin Tunnels, 1919



Crown Point and Vista House, 2000



Multnomah Falls and Lodge, 2006





Decline and Obsolescence, 1930s-1980s

Shepperds Dell Bridge, 1915



Crown Point, late 1930s



New Columbia River Highway, 1950s



Awareness, Rebirth, 1980s

Masonry Guard Wall failures



Parapet Wall failures





Preservation/Rehabilitation Projects

1990s—present

Masonry/Bridge Railing Restoration

Masonry Guard Wall repairs



Moffett Creek Bridge railing repairs



Mile Posts



Two-Rail Wooden Guard Rail Replication

Obsolete Metal Guardrails



Steel-backed Wooden Guard Fence, 1996

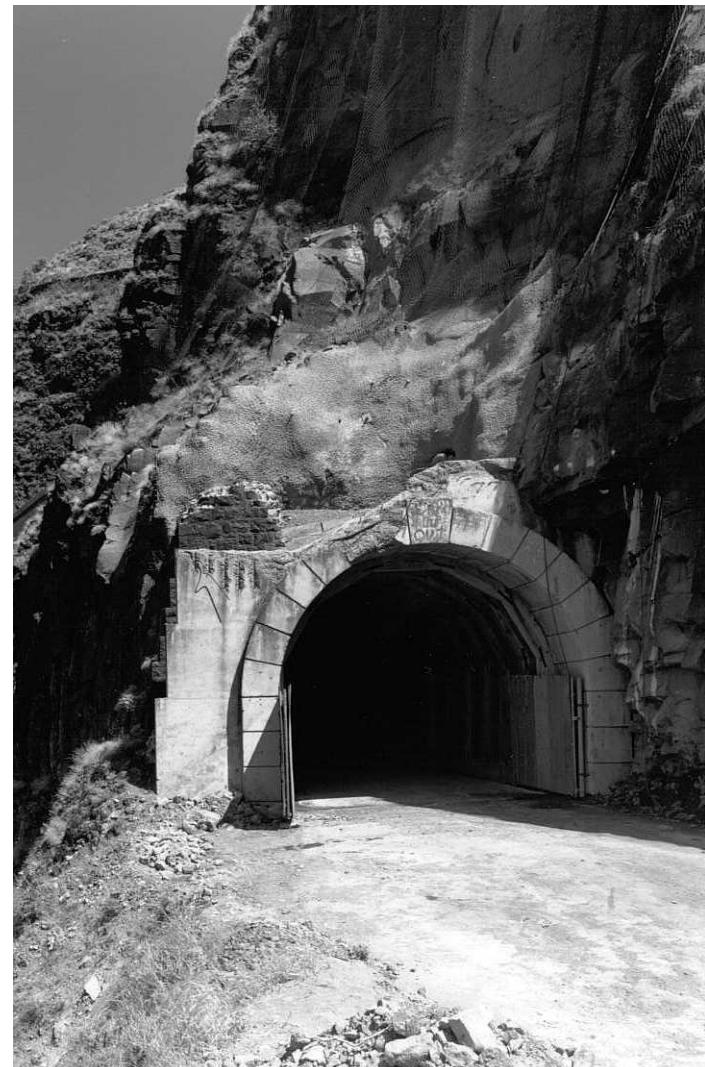
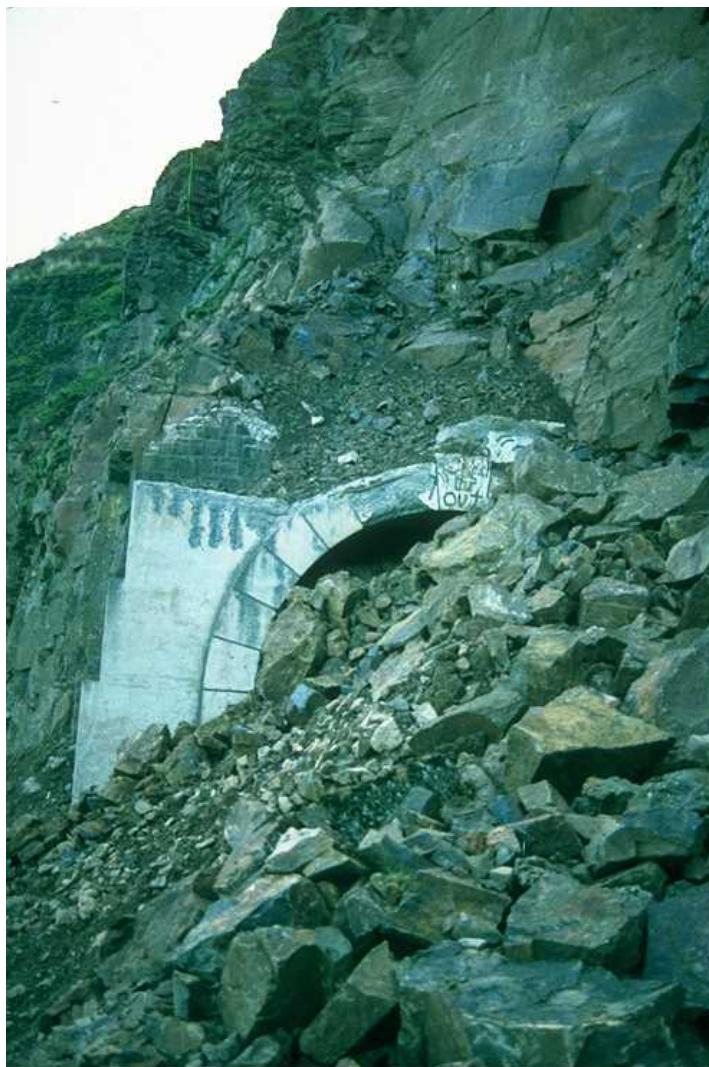


Hood River—Mosier Segment

Hood River to Mosier Segment



Mosier Twin Tunnels, 1987 and 1995



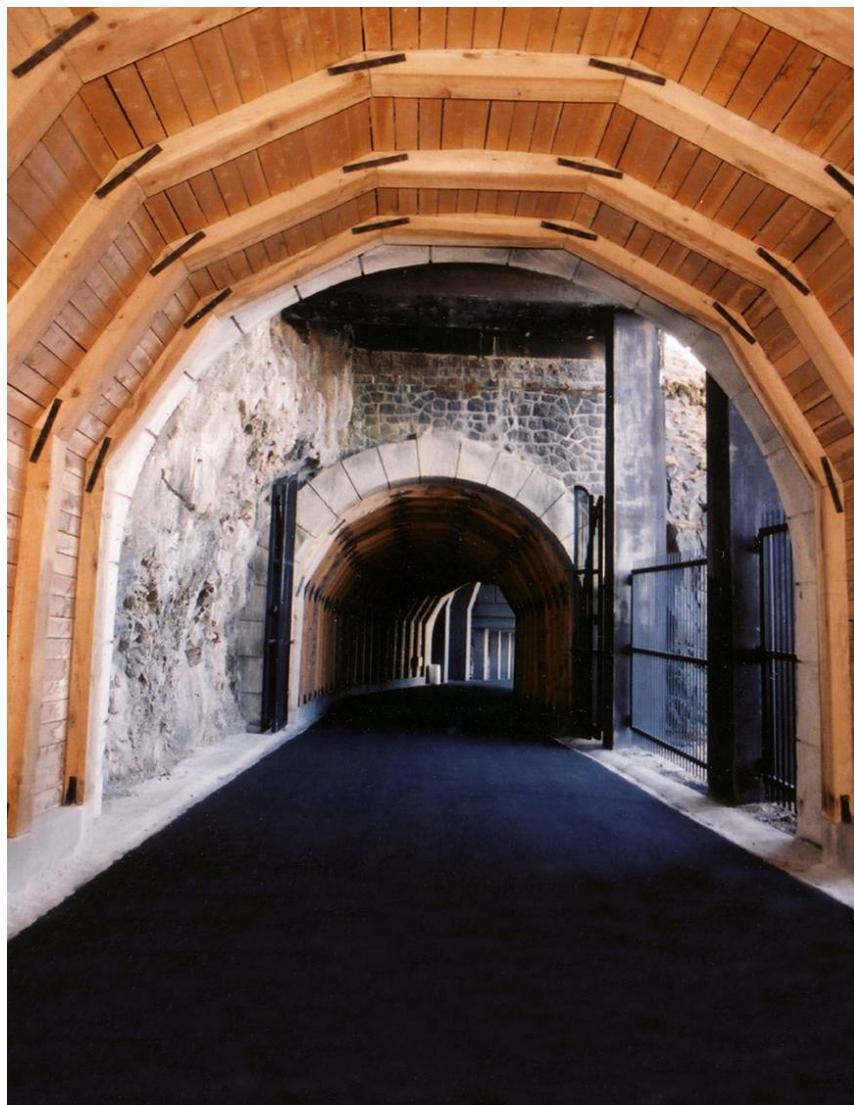
Rock Catchment Structure, Mosier, 1999





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Mosier Twin Tunnels, 2000



Vista House Restoration

Vista House rededication, 2006



Gutter Restoration and Wall Rebuilding

Gutter Restoration Project, 2006



Rebuilding a retaining wall, 2006



Conclusion

