

Reconstruction strategy: concepts



I-81 existing conditions, view south



I-81 reconstruction viaduct concept, view south

RECONSTRUCTION CONSIDERATIONS

- Interchange Layout
 - Fully directional interchange includes missing links between I-81 south to I-690 west and I-690 east to I-81 north
 - Ramp spacing considers interstate and local access
 - Increases posted speed limit from 45 MPH to 55 MPH with more stringent design requirements
 - Reuses existing right-of-way; minimizes complexity, weaving and community impacts
- Highway Viaduct
 - A new viaduct would conform to current design standards
 - Many cities have built new viaducts that are aesthetically pleasing

MODERN VIADUCT EXAMPLES



Modern steel bridge
Hammersmith flyover, West London



Seattle viaduct rendering
Seattle, WA



Modern concrete bridge
U.S. Route 83, TX