



Bridge and Roadway Deficiencies

Critical Bridge Deficiencies

Load Limitations

- Bridge closed to transit vehicles and heavy trucks to preserve existing structure from further damage

West Approach

- Cracks in concrete girders, deck and columns
- Significant deterioration in sidewalk and railings
- Corrosion of steel girders
- Girders inadequate for transit vehicles and large trucks
- Not designed to resist collapse in a major earthquake

Main River Crossing

- Floor beams inadequate for transit vehicles and large trucks
- Cracks in concrete deck
- Corrosion in steel stringers and floor beams
- Corrosion in steel truss
- Significant deterioration in sidewalk and railings
- General failure of lead paint system
- Collision damage to bridge piers
- Not designed to resist collapse in a major earthquake

East Approach

- Cracks in concrete, girders, decks and columns
- Corrosion of steel girders
- Significant deterioration in sidewalk and railings

- Potential damage to structure and possible collapse under major earthquake

Critical Roadway Deficiencies

Bicycle and Pedestrian Facilities

- No bicycle lanes on Sellwood Bridge
- Narrow sidewalks on north side of Sellwood Bridge
- No south side sidewalk on the Sellwood Bridge
- Inadequate space for safe sharing of bicycle/pedestrian facilities
- Poor connectivity with local and regional bicycle and pedestrian network
- Facilities not compliant with Americans with Disabilities Act requirements

Stopping Sight Distance

- Horizontal or vertical curves in some segments of Highway 43 Interchange not adequate to allow vehicles traveling at normal speeds to stop

Lane, Shoulder, and Median Widths

- Narrow travel lanes and narrow or nonexistent shoulders and medians throughout the study area increase potential for vehicle collisions
- No shoulder area to accommodate emergency parking, disabled vehicles, and emergency response vehicles on bridge

Horizontal Curvature

- Radius of the southbound loop ramp curve on the west side interchange with Highway 43 (Macadam) substantially tighter than state standard. Restricts size of vehicle that can use the loop ramp, lowers vehicle speeds, lowers capacity, and decreases sight distance.
- The turning radius at the intersection of Highway 43 and the Sellwood Bridge is inadequate to allow semi-trailer trucks turning from northbound Highway 43 to eastbound Tacoma Street.