

I-90/Barker Road to Harvard Road Conceptual Interchange Designs

With the large amount of growth in Liberty Lake, coupled with increased freight and commuter traffic across the nearby state line, WSDOT is examining the current freeway system and looking at ideas for the future. Concurrently, the city of Liberty Lake is contemplating revised access points in the Henry Road/Harvard Road area as part of their LIFT development. WSDOT is working with the community on an Interchange Justification Report (IJR) for changes at the Harvard Road Interchange and addition of the Henry Road Interchange. When completed, the IJR will be submitted to the Federal Highway Administration for consideration.



- New roundabout ramp intersections and revised westbound off-ramp at the Barker Road Interchange.
- New interchange at Henry Road.
- Revised eastbound off-ramp and intersection improvements at Harvard Road Interchange.
Possible design improvements for the Harvard Road eastbound on-ramp.

**PRELIMINARY DESIGN
Subject to Revision**

History



Interstate 90 in 1965, looking to the east. The Barker Road interchange is in the middle of the photo.

This section of Interstate 90 was constructed in the mid 1950's.

Since 1997 WSDOT has completed nine miles of I-90 widening from Havana Street to Barker Road.

This provides a continuous six lane facility for 13.8 miles, from the US 2/Airport Interchange through the urban core of the City of Spokane and a portion of the City of Spokane Valley, accommodating peak average daily traffic volumes of over 100,000 vehicles.

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Interstate 90 Corridor-Spokane to Idaho

- Interstate 90 (I-90) is a major commute and travel route for eastern Spokane County and north Idaho with traffic volumes exceeding 100,000 vehicles per day.
- I-90 is designated a Strategic Freight Corridor, carrying more than 10 million tons annually. Freight traffic through this corridor is expected to increase by over 30% by 2020.
- I-90 in the vicinity of Greenacres has an above average accident history. This project will address this "high accident area."
- I-90 passes through the rapidly growing areas of Liberty Lake, WA (13.4% in 2007), Post Falls, Idaho (5.1% in 2007) and Kootenai County, Idaho (4% in 2005 and a 21% population increase between 2000 and 2006).
- Kootenai County/the Idaho Panhandle is projected to experience an 82% increase in population between 2000 and 2030.
- WSDOT has completed the I-90 section from Sprague Avenue to Barker Road.

Corridor Website:

www.wsdot.wa.gov/projects/I90/SpokaneIdahoStLine/

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I-90/Barker Road to Harvard Road

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This section of Interstate 90 is located east of Spokane within the cities of Liberty Lake and Spokane Valley. The project is the next step in the series of jobs that widens the freeway, updates interchange connections, and addresses congestion choke points from the Spokane city limits to the Idaho border.

Although construction funding is not yet available, WSDOT is developing plans for the next series of improvement projects based on the recent studies, discussions with local officials and public input. Some of this construction (specifically the interchange work at Henry Road and Harvard Road) will likely be accomplished through funding partnerships with the City of Liberty Lake and developers.



The existing Barker Road and Harvard Road Interchanges will be reconfigured to improve access to, from, and across I-90.

A new interchange near Henry Road could be added to work in conjunction with Harvard Road and better serve the planned development in the area. This would result in the removal of the Country Vista/Appleyway overcrossing and associated ramps.

Roadway geometrics will be improved and low bridge clearances will be eliminated within this section. No major environmental issues are expected.

Estimated cost for design, right of way, and construction is \$45 million (2014 estimate). No construction funding has yet been appropriated for this project, although the City of Liberty Lake does have access to a portion of the needed funds through the Local Infrastructure Financing Tool (LIFT), made available by the Washington legislature.

The existing section of I-90 inclusive of the interchanges experiences peak hour congestion, especially at the ramp terminals. There is a large tract of undeveloped land between these two interchanges that is being developed as a LIFT demonstration project. The city of Liberty Lake may contribute up to \$20 million towards I-90 improvements associated with their River District LIFT project.

The original scope of this project included a complete reconstruction of I-90, widening it from 4 lanes to 6 lanes, and complete reconstruction of the interchanges. By using the practical design strategy and focusing on just solving the core problems, the scope of this project has shrunk down to ramp terminal intersection improvements, addressing bridge height restrictions, adding the new crossing for the LIFT development area, and reconfiguring some of the ramps to better serve the land use. Reconstruction and expansion of I-90 is no longer part of the scope. An \$89 million project has been reduced to \$45 million.



Harvard Road (Liberty Lake) Interchange in 1965.