

## Project Description

The I-5 Medford Viaduct Planning and Environmental Study will look at the safety, operational, and structural needs of Interstate-5 in the City of Medford between the North and South Medford interchanges, which includes the 3,200-foot viaduct that was built in 1962 and crosses Bear Creek and several local streets.

This study will occur in two phases:

**Phase 1 is a Planning process** that will identify the specific near- and long-term problems with the Viaduct and the local street network and identify potential solutions through:

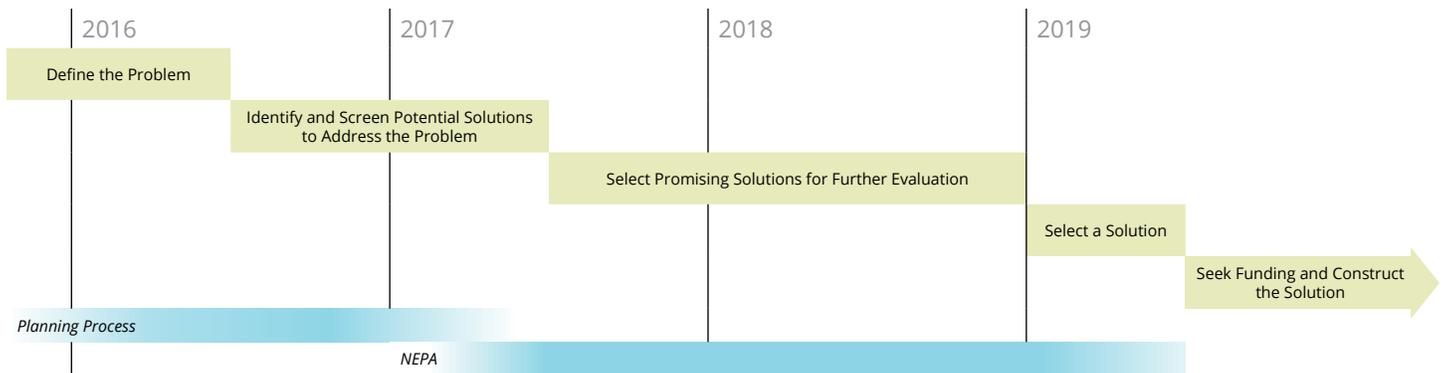
- Obtaining feedback from project stakeholders and the public regarding potential Viaduct problems and solutions
- Evaluating existing and future safety, operational, and seismic conditions of this section of I-5
- Developing a Problem Statement that will guide the development and evaluation of various solutions.
- Identifying solution(s) to carry forward into NEPA process for further detailed evaluation.

**Phase 2 is the NEPA process** that will evaluate the solution(s) from Phase 1 in more detail to determine the environmental impacts of potential solutions. This is required in order to obtain federal funding for construction of improvements and will include the following steps.

- Confirming the Purpose and Need of the Project
- Developing design options within the promising solutions to minimize environmental impacts
- Evaluating the environmental impacts of potential solutions
- Selecting a solution for addressing the Project's Purpose and Need

Following the completion of Phases 1 and 2, the necessary funding will be obtained to implement the Preferred Design Option Solution.

## Preliminary Project Schedule



## Definitions

**Scenarios:** Categories of alternatives to address the Problem Statement.

**Alternatives:** Different approaches within Scenarios to address the Problem Statement.

**Design Options:** Different approaches within Alternatives to address design details.

## Conceptual Scenarios



**RETROFIT**  
Improve the existing viaduct structure to meet current seismic standards.



**REBUILD**  
Construct a new facility along the existing alignment to meet the current seismic standards AND provide operational and safety improvements for I-5 through Medford.



**REROUTE**  
Realign I-5 through Medford to eliminate the need for the existing viaduct structure.



**REDISTRIBUTE**  
Provide alternative options through increased local street connectivity and multi-modal alternatives.