

# Garden Valley Road at Melrose Road Roundabout

Douglas County

## Project Description

This project will construct a partial multilane roundabout at the intersection of Garden Valley Road and Melrose Road about a half mile northwest of the Roseburg city limits in Douglas County.

## Purpose and Need

Garden Valley Road meets Melrose Road at a high-speed rural intersection that has experienced several serious crashes in recent years. There is an opportunity to reduce the number and severity of crashes with modified traffic control.

## Proposed Solutions

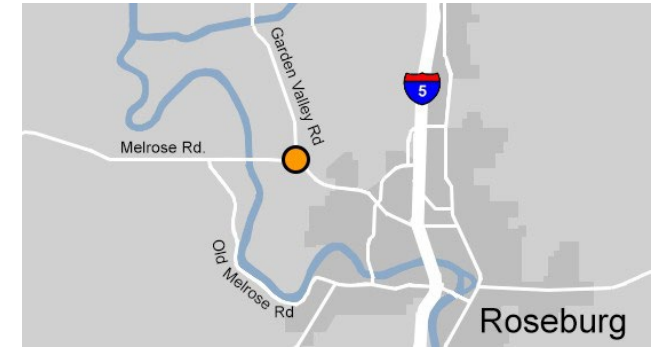
Two options to improve safety were reviewed for this intersection, either installing traffic signals or a roundabout. A partial multilane roundabout is the preferred option at rural high-speed intersections because they have been shown to reduce crash severity relative to other available solutions.

## Anticipated Benefits

- Reduce the number and severity of crashes at this intersection.
- Encourage motorists to slow down through the intersection.
- Improve safety for beginner and elderly drivers.
- Avoid delays related to waiting at stops signs and signals.
- Reduce fuel consumption and pollution because vehicles do not have to stop.
- Save operational costs since traffic signals require more maintenance.
- Increase traffic capacity through intersection.
- Provide traffic control during power outages.

## Estimated Project Cost

Total estimated cost: \$9,014,727



*The intersection of Garden Valley Road and Melrose Road is located a half mile northwest of Roseburg.*



*Melrose Road (left) meets Garden Valley Road at a high-speed rural intersection northwest of Roseburg.*

