

Meinecke Road and Highway 99

Sherwood,
Oregon



The project scope included designing one mile of arterial roadway and two roundabouts. A typical section of Meinecke Road included two vehicle lanes, a landscaped median and separated pedestrian and bike paths.

Two roundabouts were designed to provide capacity for existing and future needs. HDJ prepared traffic volume studies to warrant construction of a signal on Highway 99. The impact of queuing at the new Highway 99 signal on the operation of the roundabouts on the Meinecke/Highway 99 intersection was studied.

HDJ designed the landscape along the roadway using native and ornamental plants that comply with ODOT standards.



The design featured concrete pavement with a cobblestone texture and decorative retaining walls and a water feature that is the dominant focus of the roundabout. The central waterfall was enhanced by stonework and plantings that are attractive, low-maintenance and provide vibrant seasonal colors year round.

Other services provided by HDJ include: public outreach, street lighting design, state permitting coordination, construction contract administration, construction inspection, irrigation systems, electric power and utility line layouts. Three stormwater treatment facilities were designed to Clean Water Service standards.

SERVICES

- Civil Engineering
- Landscape Architecture
- Traffic Engineering
- Construction Inspection Services
- Final Hydrology Report

DESIGN FEATURES

- Over 1 Mile of New Roadway (Major Arterial)
- Three Stormwater Treatment Facilities Meeting Clean Water Services' Standards
- Stormwater Design

AWARDS

- 2005 Oregon Concrete Association, 3rd Place in Craftsmanship Category
- 2004 Oregon Concrete Association, 3rd Place in Craftsmanship Category