

ROUNABOUT RUPERT ROAD & MEMORIAL AVENUE TOWN OF QUALICUM BEACH



Aerial view of Roundabout looking south. The Roundabout has a 45 m inscribed circle diameter. (Photo courtesy Oceanside Star)

Council and Engineering cooperated with local merchants and the contractor in establishing clear and efficient detours around the project and providing directional signage that minimized the inconvenience to shoppers and tourists moving to and from the downtown.

The project contributes to environmental sustainability by:

- ✓ Significantly reducing impervious surfaces
- ✓ Reduction of fuel/exhaust vis-a-vis traffic lights or stop signs
- ✓ Reduction in energy use from LED lighting

Contractor: Locar Industries Ltd., Nanaimo
Construction Cost: \$520,000
Project Completion: October 2009

The Town of Qualicum Beach wanted to improve the safety of this uncontrolled intersection where traffic from Highway 19 entering the Town crosses a major collector road. A secondary objective was to enhance the appearance of this main entrance to the Town from what was previously a sea of asphalt.

Four leg roundabouts greatly reduce the most severe conflict points compared with conventional intersections.

Design engineering involved the application of the latest design standards and guidelines for roundabout design, including left offset approaches on all four legs to slow traffic to a safe speed for navigating the roundabout while ensuring maximum visibility of approaching traffic and fluid drive paths for effective traffic flow.

Provision for non-vehicular users incorporated multi-user sidewalks separated from traffic by landscaping, directing pedestrians towards the cross walks while including bicycle and scooter on and off ramps.



Roundabout functioning as designed. Note the low profile landscaping (in progress) to provide an attractive entrance and good visibility.