



# Reid Middleton

Civil & Structural Engineering  
Surveying, & Planning

## Roundabouts

Circumventing Gridlock

# Circumventing Gridlock

At Reid Middleton, roundabouts are a pursuit, not just a solution. Our engineers have analyzed, reviewed, or designed more than 250 roundabouts. They are sought-after speakers and instructors who understand the context-sensitive design that is so vital to each roundabout. And they pour this passion into their designs, taking pride in every roundabout designed and in making intersections safer, more efficient, and environmentally friendly.

Our crew has teamed together on more than 250 roundabout projects in the past 15 years. They take pride and ownership in partnering with communities to design roundabout solutions. This team takes a role in establishing current guidelines and contributes to the roundabout design community by developing and sharing tools, theories, and practices. They are supported by technicians and designers who share the team's passion for roundabout design.

*22nd St NE & I St NE Intersection Improvements, Auburn, WA*





# Services

## Peer Review

Our specialists will review your design and provide an "Exhibit of Findings" detailing any recommendations. Subtle changes to a roundabout design often result in significant improvement to performance and safety.

## Community Outreach & Education

Our team is sought after in many venues for their roundabout expertise, passion and conviction. We assist and promote well-designed roundabouts within agencies. We are adept at explaining the "what" of project elements along with the corresponding, and often more important, "whys".

## Intersection Control Evaluation (ICE)

Is a roundabout the best alternative for your intersection? Our team considers many factors when evaluating various intersection controls including safety, surrounding network, site constraints, traffic volumes and patterns, and specific intersection users. Our findings and recommendations are provided in readable reports useful for decision makers.





## Roundabout Design

Our core team has provided final geometry for over 45 constructed roundabouts. Each roundabout with its unique geometrics adds to our proficiency and provides a solid foundation for future designs. Our range of experience allows us to work efficiently compiling roundabout construction plans, and we enjoy the collaborative effort that often evolves as we integrate our roundabout knowledge into your project.

## Roundabout Training

Since 2004, our team has provided roundabout design training to over 1,000 students representing 161 public and private agencies. We have taught the intricacies of roundabout design in Washington, Idaho, Texas, California, and Hawaii. These trainings can be customized to incorporate your specific projects and design needs.

## Roundabout Guidelines

We provide agency-specific guidelines that are tailored to your specific requirements. These documents provide guidance to designers as well as planners and policy makers. They include standard details for specific design elements and criteria for safe and consistent designs.

*Pioneer Highway & Fir Island Roundabout, Skagit County, WA*

# Accolades

## **Pioneer Highway / Fir Island Roundabout, Skagit County, WA – Five-leg, Single Lane Roundabout**

*APWA Washington Chapter – Project of the Year, Transportation Less than \$5 million*

*ACEC Washington – Silver Award for Social, Economic, and Sustainable Design Considerations*

“Skagit County’s engineering consultant, Reid Middleton, did an outstanding job preparing the design and provisions for the project in a short timeframe due to funding requirements.”

*Jennifer Swanson, Project Manager  
Skagit County, WA*

## **Downtown Revitalization Project, Tracy, CA – Two Urban Compact Roundabouts**

*San Joaquin Valley Blueprint Award*

“Way to go Rachel! You are one hard charging project engineer... it was a pleasure working with you. This will stand as a record time for roundabout design that I don’t think anyone can touch.”

*Binh Nguyen, Capital Projects Manager  
City of Tracy, CA*

## **Eleventh Street/Grand Line Road Roundabout, San Joaquin County, CA – Four-leg, Multilane Roundabout**

*Caltrans Excellence in Transportation Award*

## **Rancho California Road/Anza Road, Riverside County, CA – Four-leg, Single Lane Roundabout**

*CMAA Award - Transportation Less than \$10 Million*

## **Tester Road Roundabout, Monroe, WA – Five-leg, Multilane Roundabout**

*ACEC Washington – Silver Award*

*ASCE Seattle Chapter – Outstanding Project Award for Excellence in Civil Engineering*

*APWA Washington Chapter – Project of the Year, Transportation Less than \$2 Million*

## **Sitka Intersection Design, Sitka, AK – Five-leg, Single Lane Roundabout**

“Thank you for completing your work so quickly. Great job. I received almost universal opposition to the roundabout before it went in, and almost universal praise for it now that it’s in.”

*David Longtin*





# About Reid Middleton

WE ARE CIVIL & STRUCTURAL ENGINEERS, SURVEYORS, & PLANNERS. PEOPLE ENGINEERING FOR PEOPLE.

People count on us to look out for their safety and quality of life. We know what we do is important, and we take the responsibility seriously. The great thing about it is that we love doing it & delivering it in an uncommonly personal way.

## Transportation Engineering

Highway Facilities  
Roadways  
Roundabouts  
Traffic Signal Systems  
Public Involvement

## Civil Engineering

Stormwater Management  
Site Development  
Utilities  
Environmental Services

## Waterfront Engineering

Planning  
Piers & Wharves  
Marinas  
Marine Facilities

## Structural Engineering

Buildings  
Seismic Evaluation & Retrofit  
Code Compliance Review  
Tanks, Towers, Walls, & Bridges  
Industrial Facilities

## Airport Engineering

Runways  
Terminals  
Aprons  
Safety Areas

## Survey Services

ALTA/ACSM Surveys  
Cadastral Surveys  
Engineering Base Maps  
UAV & Aerial Mapping  
Design & Construction Surveys  
Tideland & Riparian Surveys



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