

# Highway 4 at 1st Avenue South



## Mini Roundabouts

The two mini-roundabouts will be constructed at the intersection of 1st Ave S. with Armstrong Blvd and 1st Ave S. with 7th St S. Mini-roundabouts are much smaller than traditional roundabouts, allowing for its construction within a physically constrained location. They are an ideal intersection for two-lane urban intersections. They provide better safety, traffic flow, fuel efficiency and air quality.

The mini-roundabouts will contain approach lanes with a median to ensure drivers are slowing down prior to entering the intersection. The center of the mini-roundabouts will contain a central island, which

is surrounded by a continuous travel lane. The mini-roundabout is designed to allow passenger cars to use the travel lanes as they travel around the central island. Buses and trucks may travel over the central island to complete turning movements.

### Quick Facts:

- 1/2 the overall motorist delay of a traffic signal
- 1/3 fewer vehicles stopping than with a traffic signal
- 1/3 less vehicle emissions and fuel consumption
- 1/4 decrease in crashes anticipated
- Shorter pedestrian crossings

## Back-In Angle Parking

Back-in angle parking will be constructed on the south side of 1st Ave S. between 7th Street S and Armstrong Blvd. Back-in angle parking provides a reduced risk of crashes, improves visibility, simplifies parking maneuvers, and improves loading and unloading of vehicles.

### Quick Facts:

- Parking maneuver is similar to but easier than parallel parking
- Vehicle doors and trunk are more readily accessible from sidewalk
- Improved visibility of traffic when leaving the stall

