



Access Management

Extending the Useful Life of Grant Road Improvements

What is Access Management?

- Access management strategies will reduce crashes, improve traffic flow, and extend the useful life of Grant Road improvements. To achieve these important benefits, the design team has worked with property owners to implement reasonable access management strategies to reduce the number of driveways along Grant Road but also provide appropriate and more efficient access to properties.

Safety, Mobility and More Benefits of Access Management

- Reduces crashes
- Reduces disruptions to traffic flow
- Enhances bicycle and pedestrian environment
- Improves aesthetics
- Reduces travel times for business customers and deliveries

Access Management Tools

Access Management Tool: Cross Access & Shared Access

Cross Access: Two property owners agree to share a single driveway that accesses both properties.

Shared Access: Two property owners agree to share a single driveway that accesses both properties.

Consolidated and Relocated Driveways: Closely spaced driveways along a roadway create many conflict points between vehicles, bicycles, and pedestrians. The illustration on the right shows how consolidating and relocating driveways reduces the number of driveway openings along the roadway, thus reducing the number of conflict points and increasing driveway, and thus traffic, flow, safety and efficiency along the roadway. Conflict points are areas where the paths of vehicles and pedestrians and/or bicycles intersect. The landscaped median also reduces the number of conflict points by managing left turns to and from driveways.

Unmanaged Access - Existing Condition: Conflict Points Between Vehicles, Bicycles, and Pedestrians = 40 (at each driveway opening)

Consolidated and Relocated Driveways - Possible Future Condition: Conflict Points Between Vehicles, Bicycles, and Pedestrians = 10 (at each driveway opening)

Legend: Vehicle Movement, Driveway, Potential Landscaped Area

Benefits of Cross and Shared Access:

- Reduces the number of conflict points between vehicles, bicycles, and pedestrians
- Reduces congestion by maintaining the flow of traffic along the main roadway
- Provides more space for landscaping
- Makes the bicycle and pedestrian environment safer

Trade-offs of Cross and Shared Access:

- Driveway access to properties from the main road is reduced

Access Management Tool: Consolidated and Relocated Driveways

Unmanaged Access - Existing Condition: Conflict Points Between Vehicles, Bicycles, and Pedestrians = 40 (at each driveway opening)

Consolidated and Relocated Driveways - Possible Future Condition: Conflict Points Between Vehicles, Bicycles, and Pedestrians = 10 (at each driveway opening)

Legend: Vehicle Movement, Driveway, Potential Landscaped Area

Benefits of Improved Driveway Spacing:

- Reduces the number of conflict points between vehicles, bicycles, and pedestrians
- Reduces congestion by maintaining the flow of traffic
- Provides more space for landscaping
- Makes the bicycle and pedestrian environment safer

Trade-offs of Cross and Shared Access:

- Driveway access to properties from the main road is reduced

Access Management Tool: Parking Options

Parking Options: When the roadway improvements result in a significant loss of parking, alternate parking options will be considered. These concepts are presented below to explore parking, near-conveying use or excess loss of parking may result in an offer of all property acquisition and retention.

Reconfiguring Parking: Existing, Proposed

New Off-Street Parking - Proposed

New On-Street Parking - Proposed

Legend: Right of Way, On-Street Parking, Off-Street Parking, Property Line, Existing, Proposed

Benefits of Parking Options:

- Allows for existing business operations and employees
- Reduces congestion by maintaining the flow of traffic
- Provides more space for landscaping
- Makes the bicycle and pedestrian environment safer

Trade-offs of Parking Options:

- In some circumstances, businesses may have reduced parking

Access Management Tool: Local Access Lane

Local Access Lanes: May be used in residential or commercial areas where available right-of-way allows for indirect access to the main roadway. An existing example is Grant Road and Pomeroy Ave. Local access lanes reduce the number of driveways on the main roadway, and the number of conflict points. The example below illustrates how driveways can be retained but the number of access points to the main roadway is reduced from 11 to 2.

Rowway Without a Local Access Lane - Existing Condition: 11 driveways on the main roadway

Rowway With a Local Access Lane - Proposed: 2 driveways on the main roadway

Legend: Vehicle Movement, Driveway, Potential Landscaped Area

Benefits of Local Access Lanes:

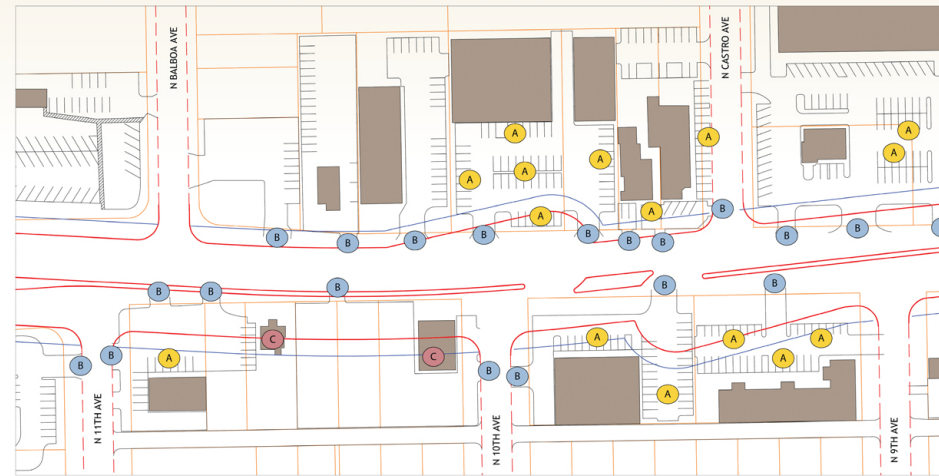
- Reduces the number of conflict points between vehicles, bicycles, and pedestrians
- Reduces congestion by maintaining the flow of traffic
- Provides more space for landscaping
- Makes the bicycle and pedestrian environment safer

Trade-offs of Local Access Lanes:

- Residents lose direct access to the main roadway

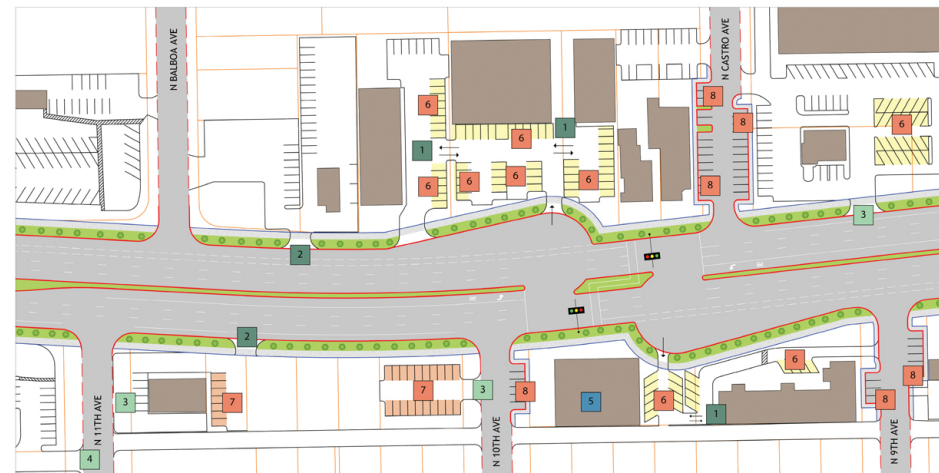
How Access Management Tools Can be Applied to Grant Road

Grant Road Improvement Plan Impacts to Access and Parking



- A Parking and Circulation Impacts
- B Driveway Impacts
- C Demolition

Potential Future Access and Parking



Access Management Tools

- 1 Cross Access - property uses driveway on adjacent property to gain site access
- 2 Shared Access - 2 properties sharing 1 driveway
- 3 Consolidated Driveway - 1 or more driveways on a property combined
- 4 Relocated Driveway
- 5 Utilize Existing Rear Ally Access

Parking Options

- 6 Reconfigured Parking
- 7 New Off-Street Parking
- 8 New On-Street Parking

Fewer Driveways = Better Mobility and Safety

- There are over 400 existing driveways on Grant Road
- The new Grant Road will have fewer than 150 driveways
- This will lead to improved mobility and safety for all users