

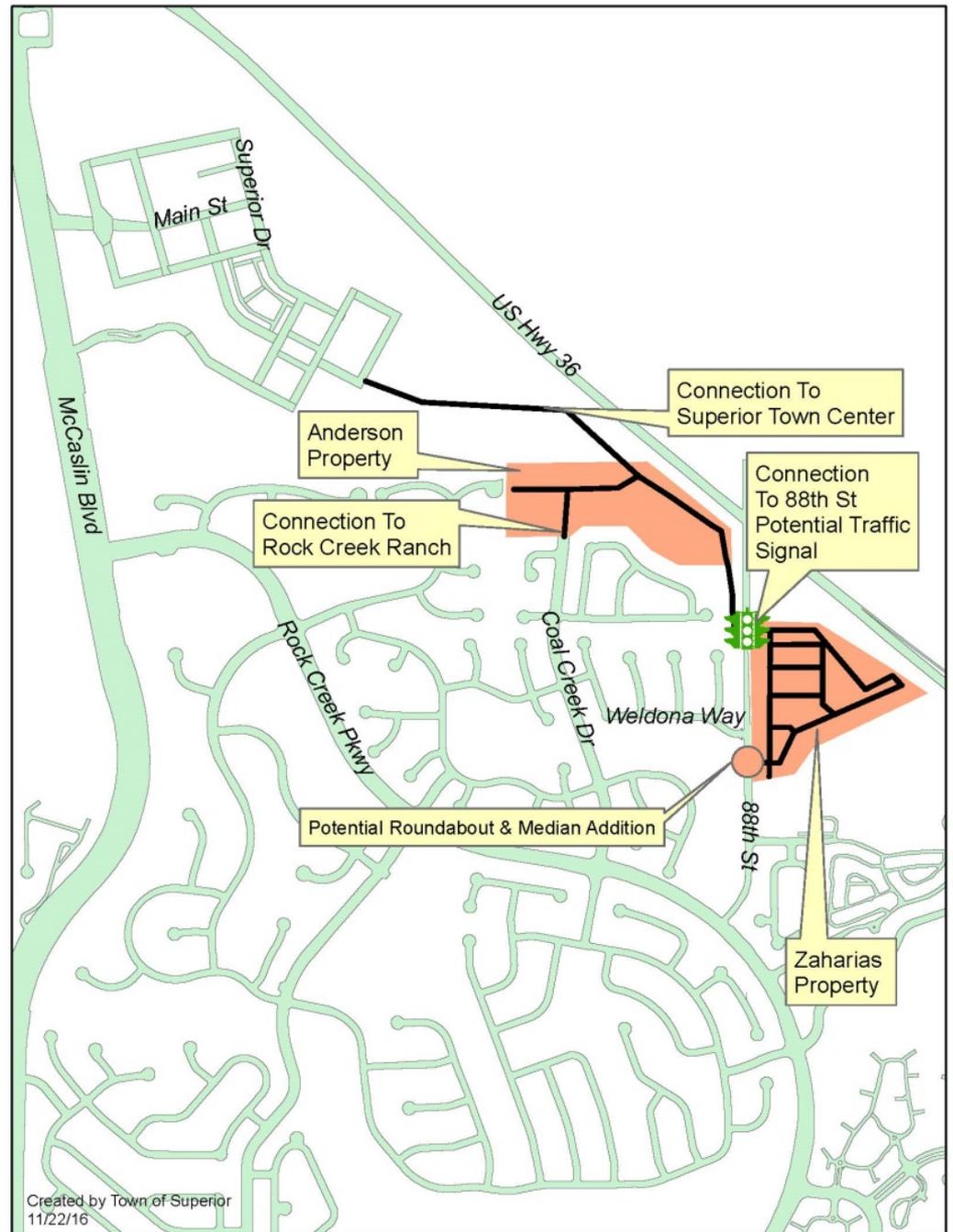
TRANSPORTATION & SAFETY COMMITTEE

December 5, 2016

Agenda

- ▣ Items from the Public not on the Agenda
- ▣ 88th Street Access Options
- ▣ South Coal Creek Drive Extension
- ▣ Potential Items for Future Meetings

Location Map



2014 Transportation Plan

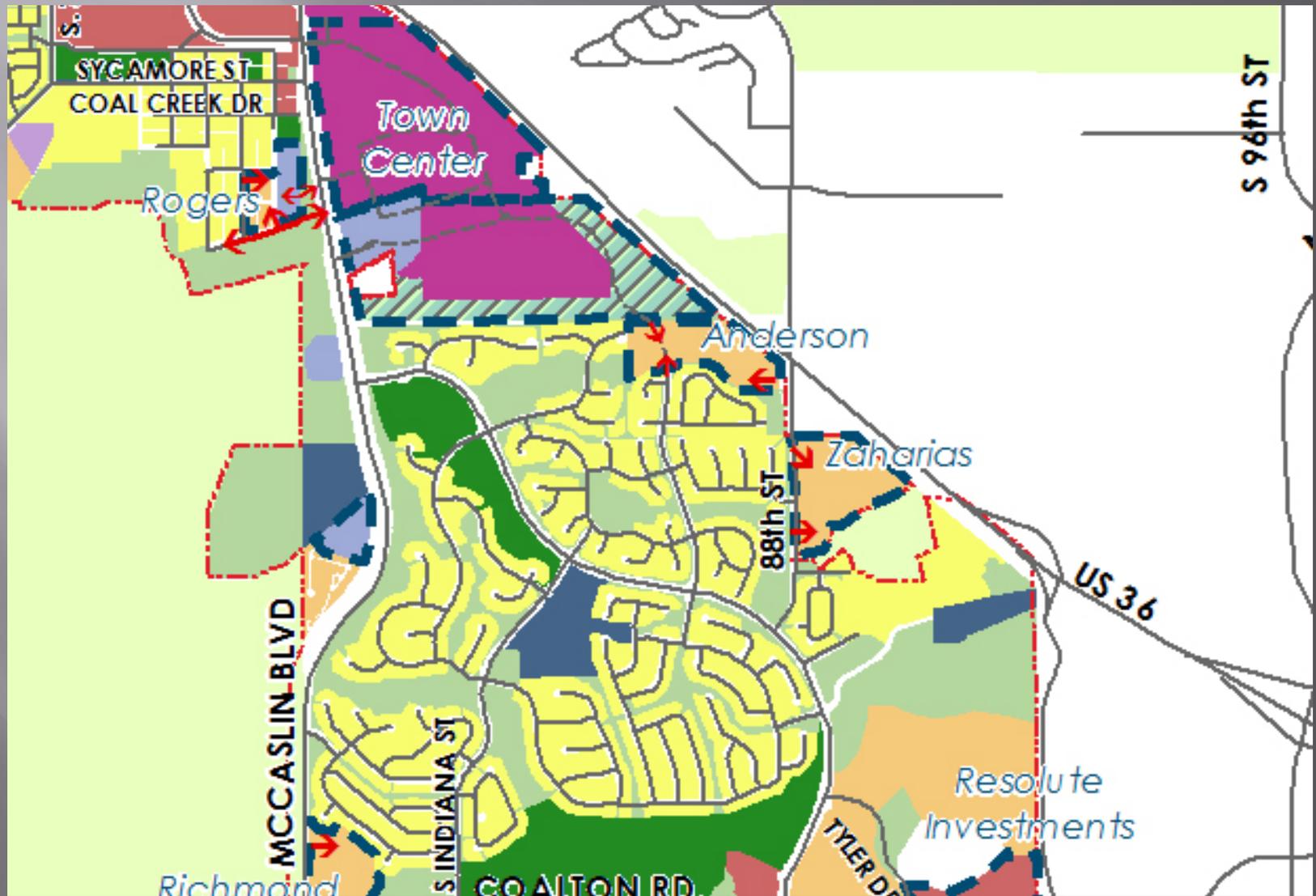
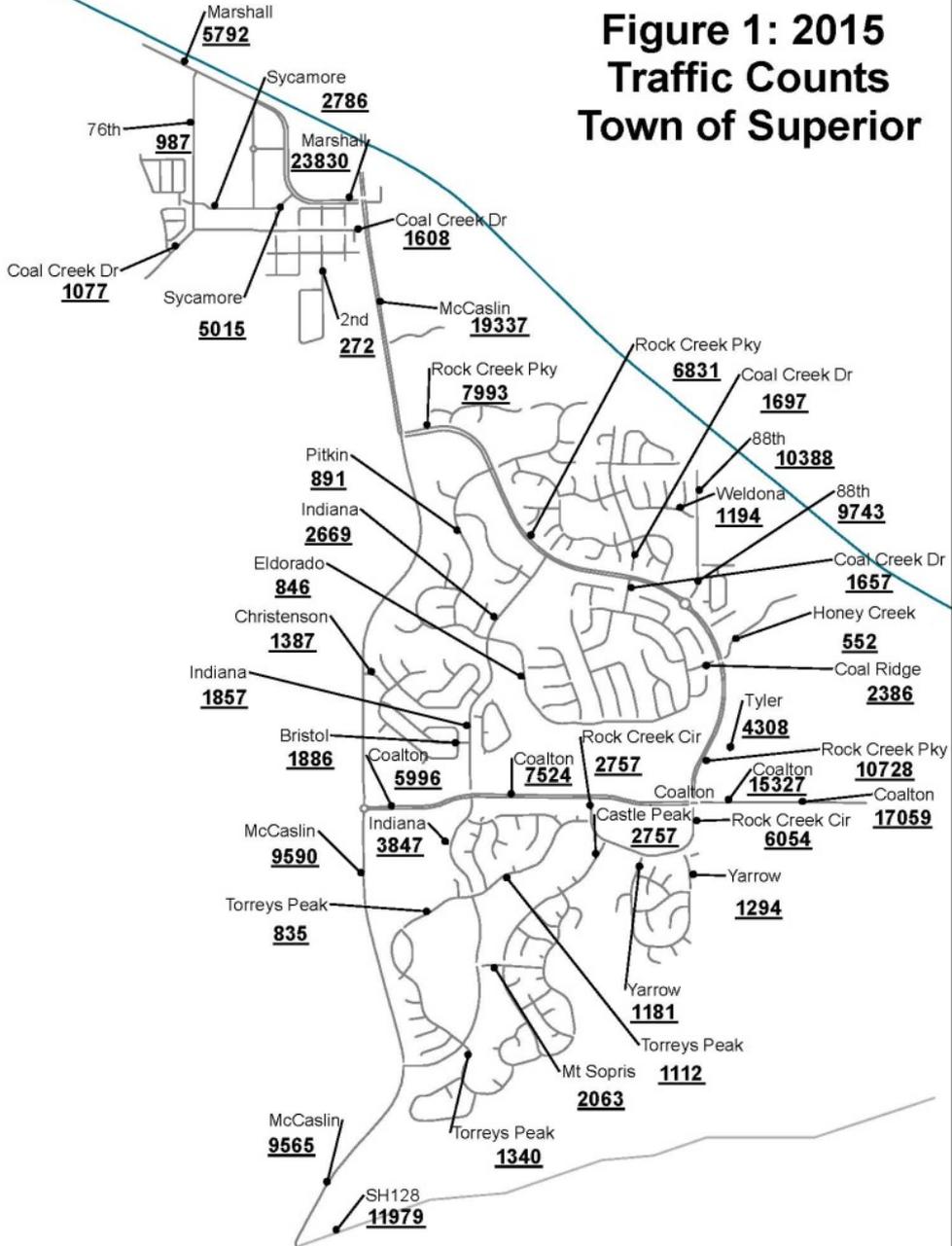
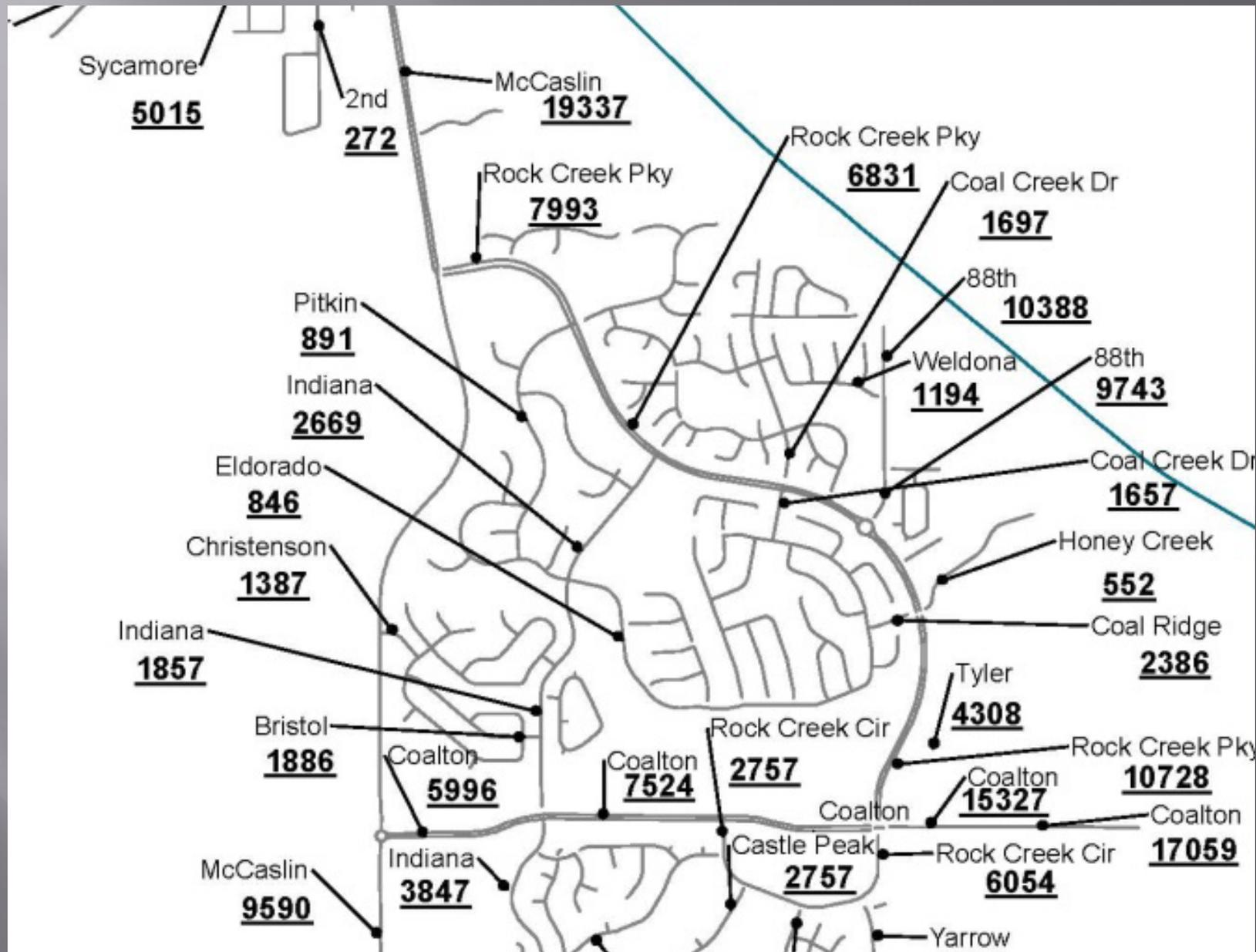


Figure 1: 2015 Traffic Counts Town of Superior





Weldona Traffic Issues

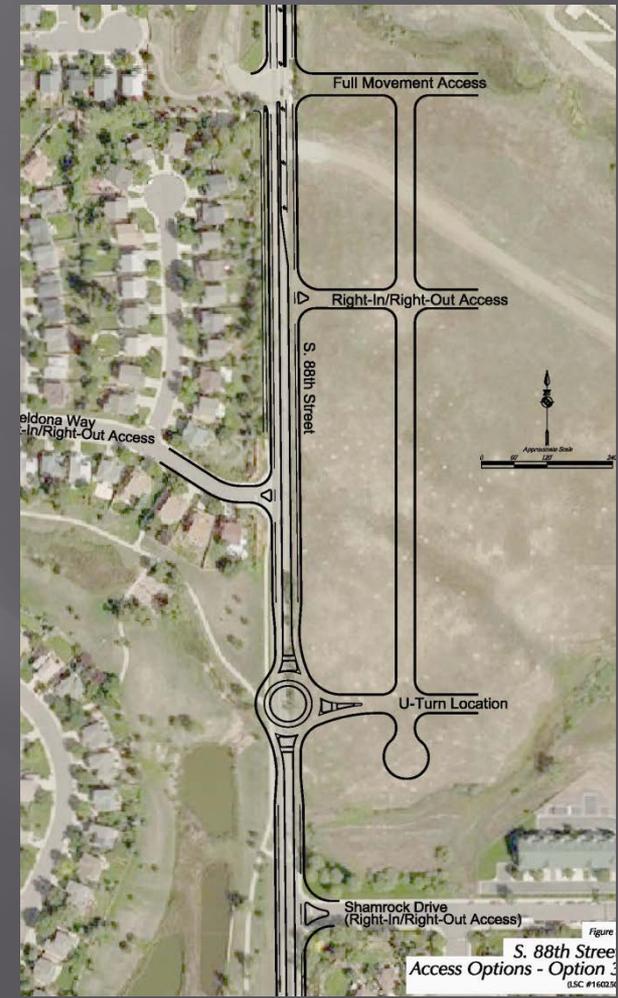
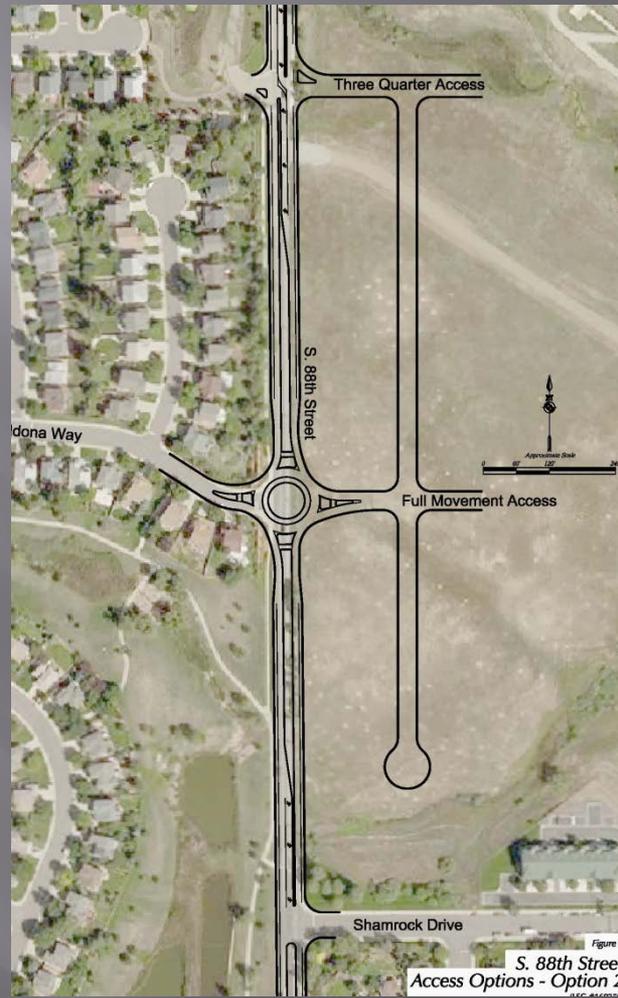
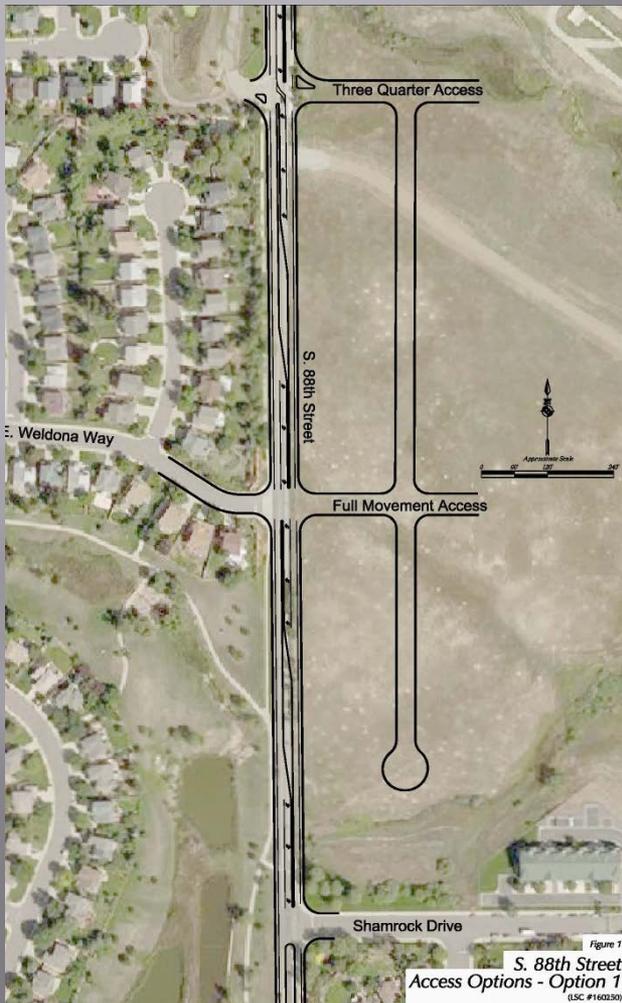
- ▣ Speeding & Cut Through Traffic
- ▣ Several Studies & Meetings in late 1990's
- ▣ Stop Signs installed on Weldona at
 - Elmore Ct
 - Idalia Ct
- ▣ Temporary Closure in 2006
- ▣ Opened after Public Opposition

88th Street Design Concepts

- Reconstruct Roadway
- Bury Power Line
- Add 8 ft.-wide walk along east side
- Include 5 ft. wide bike lanes on both sides
- Include painted or raised median
- Provide turn lanes where needed
- Design for 35 mph Posted Speed



88th Access Options



88th Access Option 1

- ¾ Access (left-turns out restricted) serving Zaharias/ Anderson
- New Zaharias Access Opposing Weldon
- Include Left-turn Lanes at
 - New ¾ Access
 - Weldon/Zaharias Access
 - Shamrock Dr.

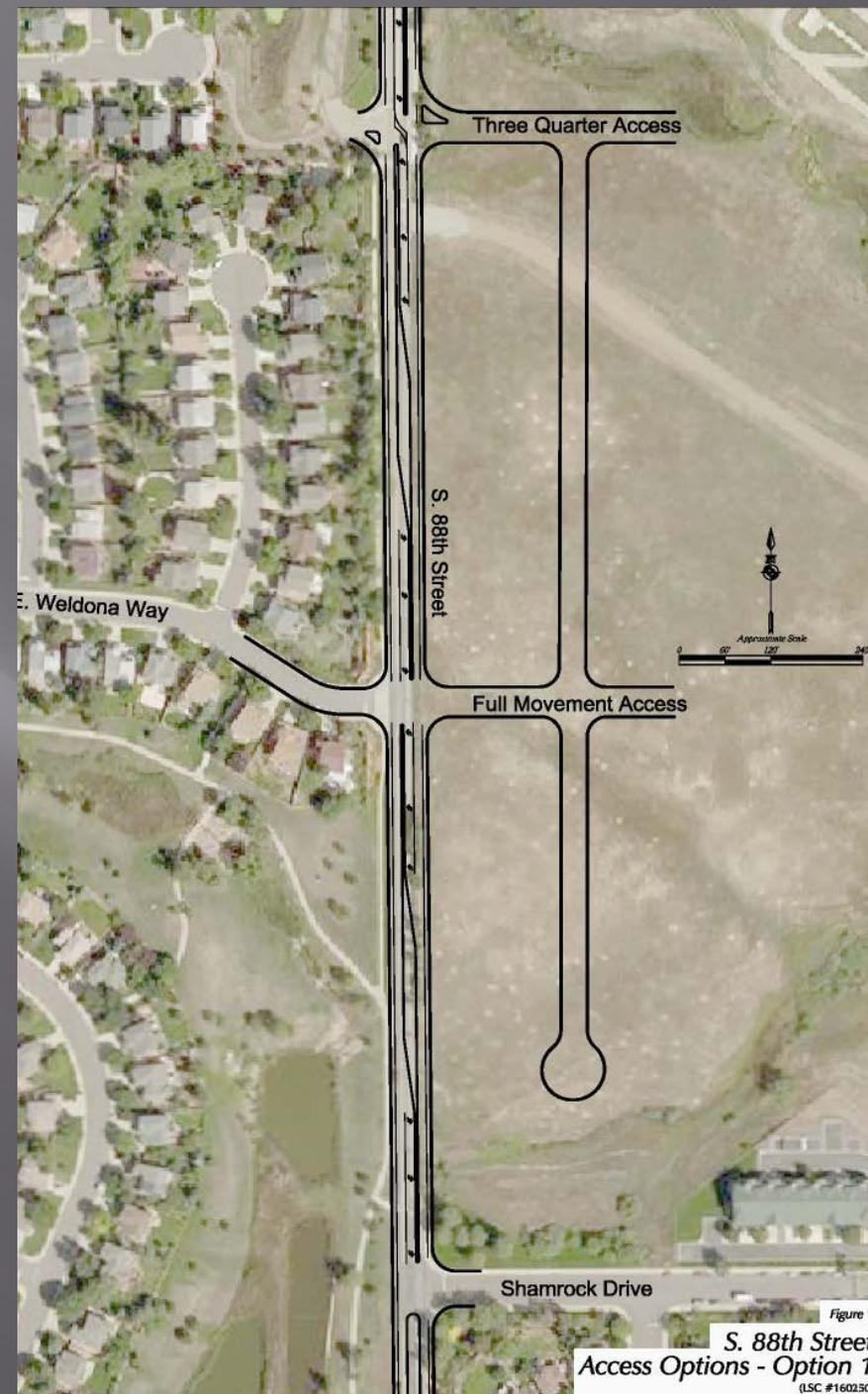


Figure 1
S. 88th Street
Access Options - Option 1
(LSC #160250)

88th Access Option 1

Pros

- Safety improved with left-turn lanes

Cons

- Weldona/Zaharias intersection may require traffic signal
- May encourage more traffic on Weldona

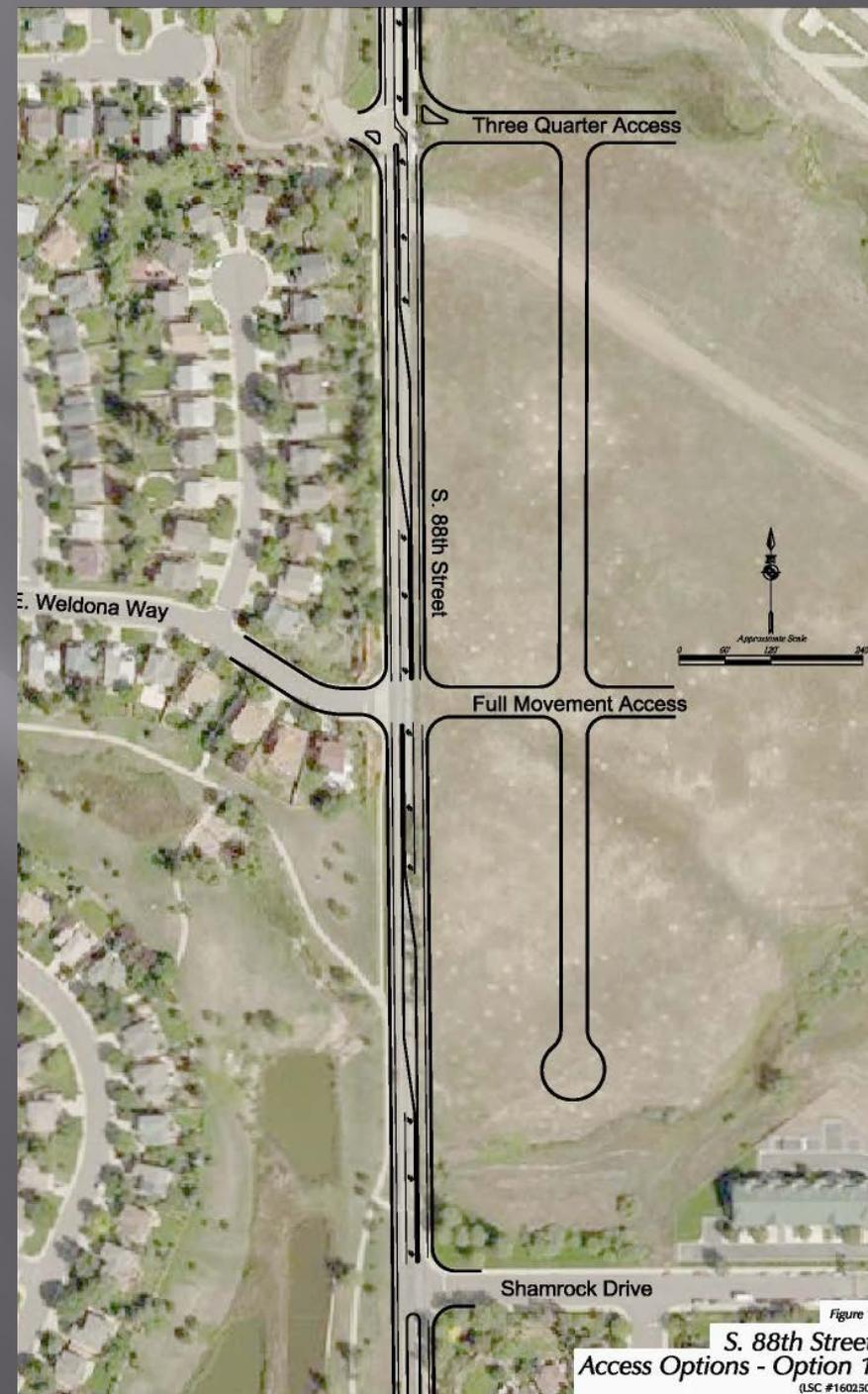


Figure 1
S. 88th Street
Access Options - Option 1
(LSC #160250)

88th Access Option 2

- $\frac{3}{4}$ Access (left-turns out restricted) serving Zaharias/ Anderson
- New Zaharias Access Opposing Weldona controlled by a roundabout
- Include Left-turn Lanes at
 - New $\frac{3}{4}$ Access
 - Shamrock Dr.

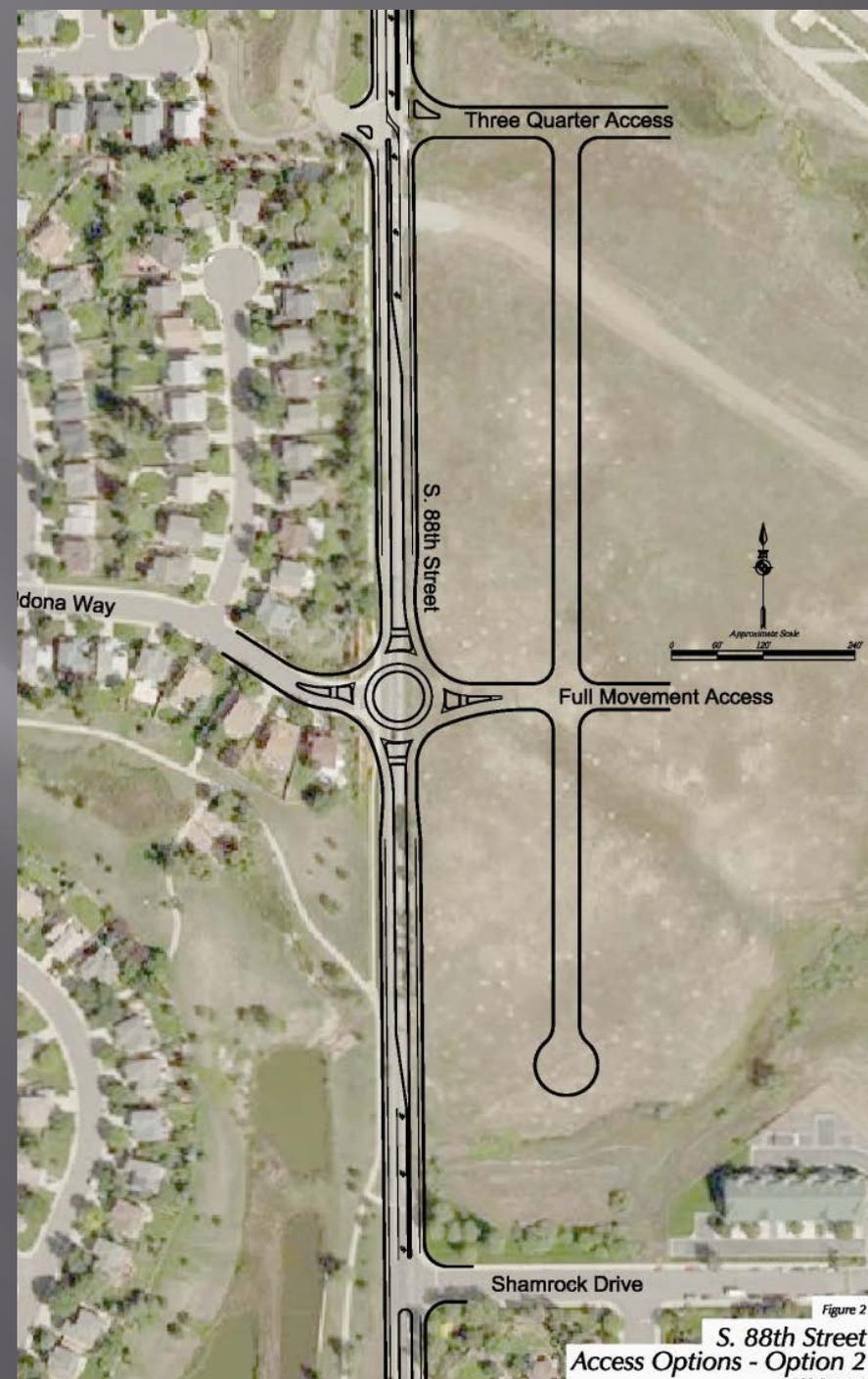


Figure 2
S. 88th Street
Access Options - Option 2

88th Access Option 2

Pros

- Safety improved with left-turn lanes
- Roundabout safer than traffic signal and provides pedestrian refuges
- Roundabout provides traffic calming feature on 88th

Cons

- May encourage more traffic on Weldona
- Roundabout could have right-of-way impacts at Weldona

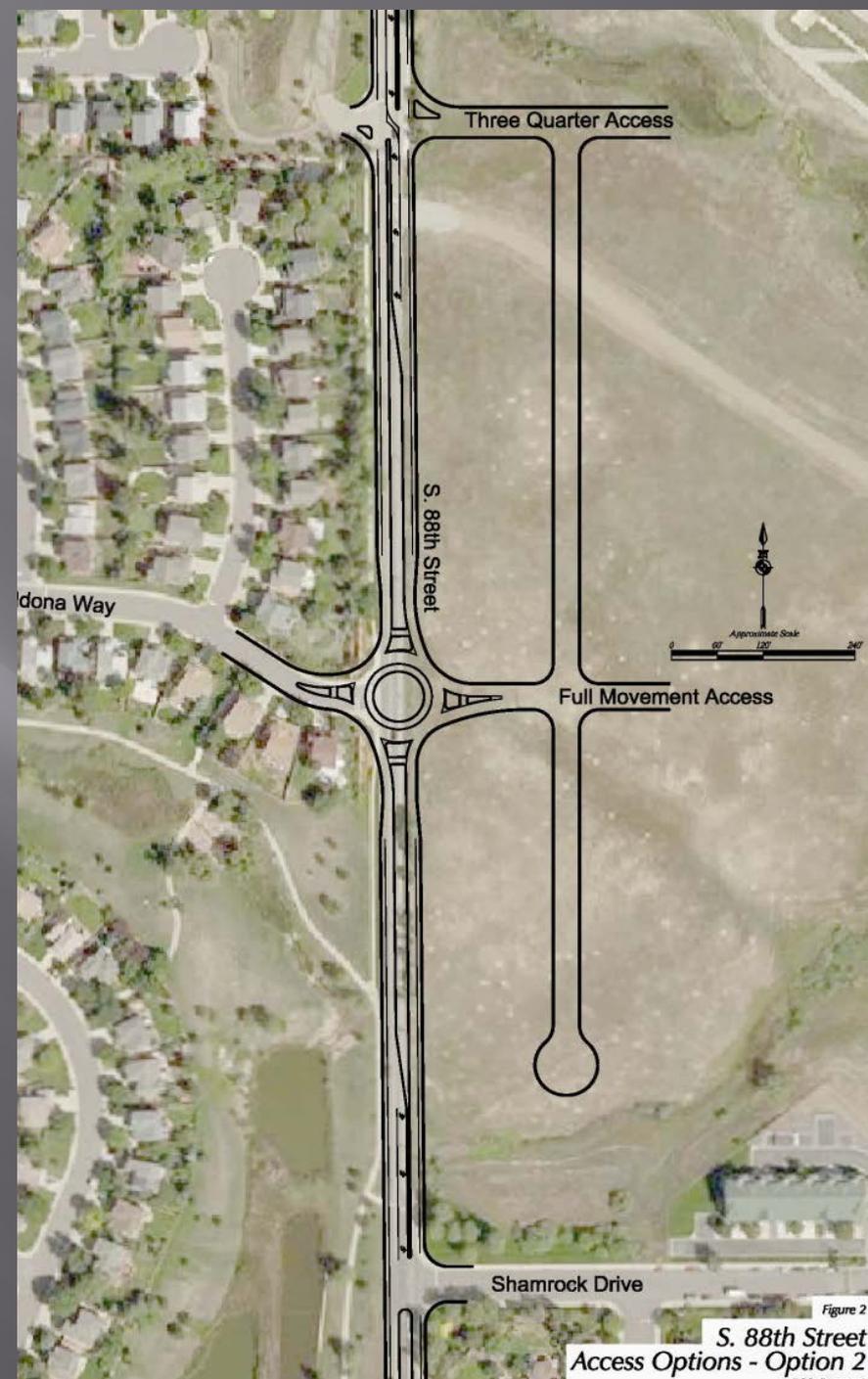
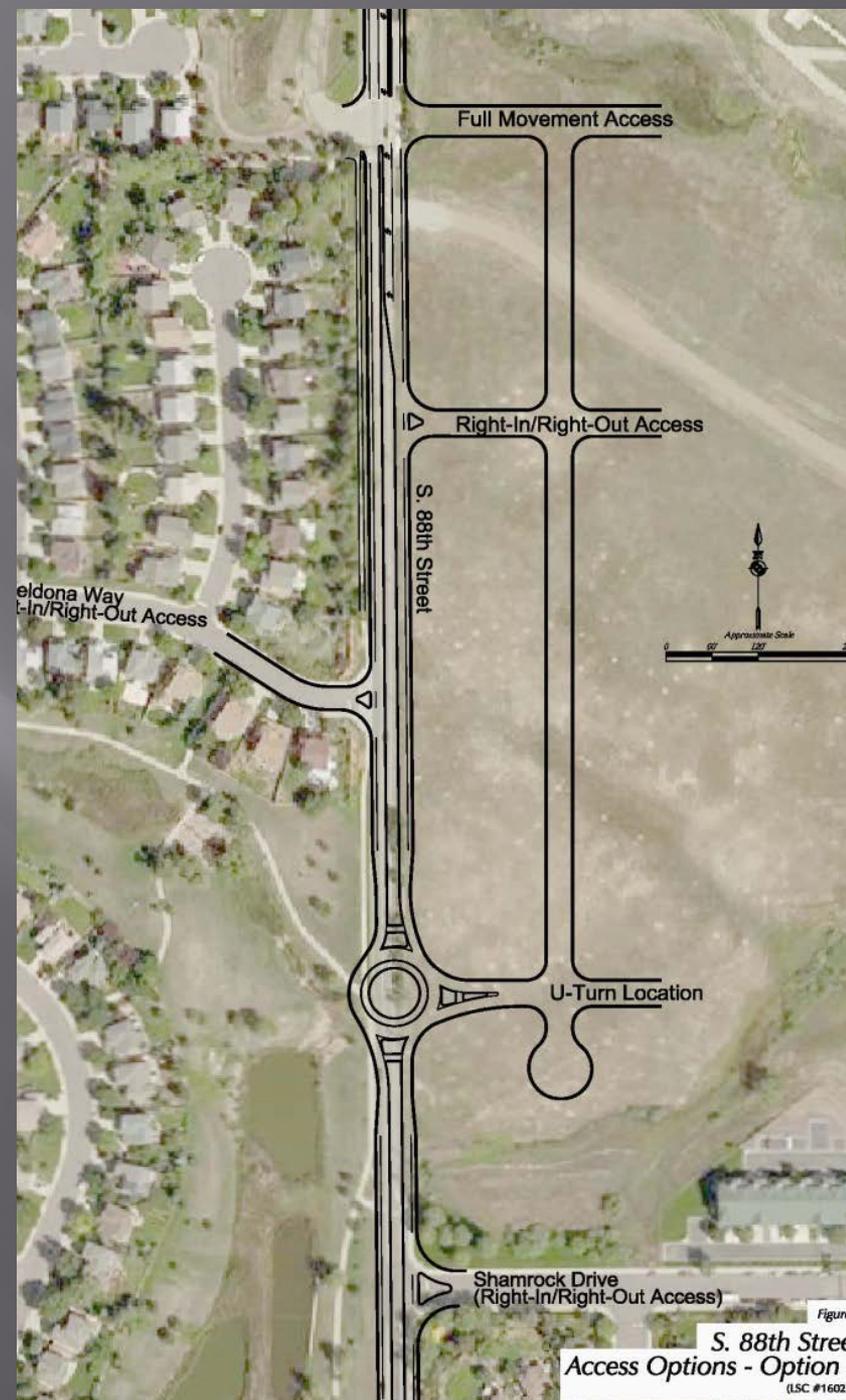


Figure 2
S. 88th Street
Access Options - Option 2

88th Access Option 3

- New Full Movement Access serving Zaharias/ Anderson
- New Roundabout located between Weldona and Shamrock Dr.
- Construct median to convert 88th/Weldona and 88th/Shamrock to right-turn-only intersections



88th Access Option 3

Pros

- Safety improved with left-turn lanes and right-turn-only intersections
- Roundabout safer than traffic signal and provides pedestrian refuges
- Roundabout provides traffic calming feature on 88th
- May reduce traffic on Weldonia

Cons

- Left-turns out at Weldonia and Shamrock served by U-turns at new roundabout
- More out of direction travel
- New full movement intersection located at bottom of hill.

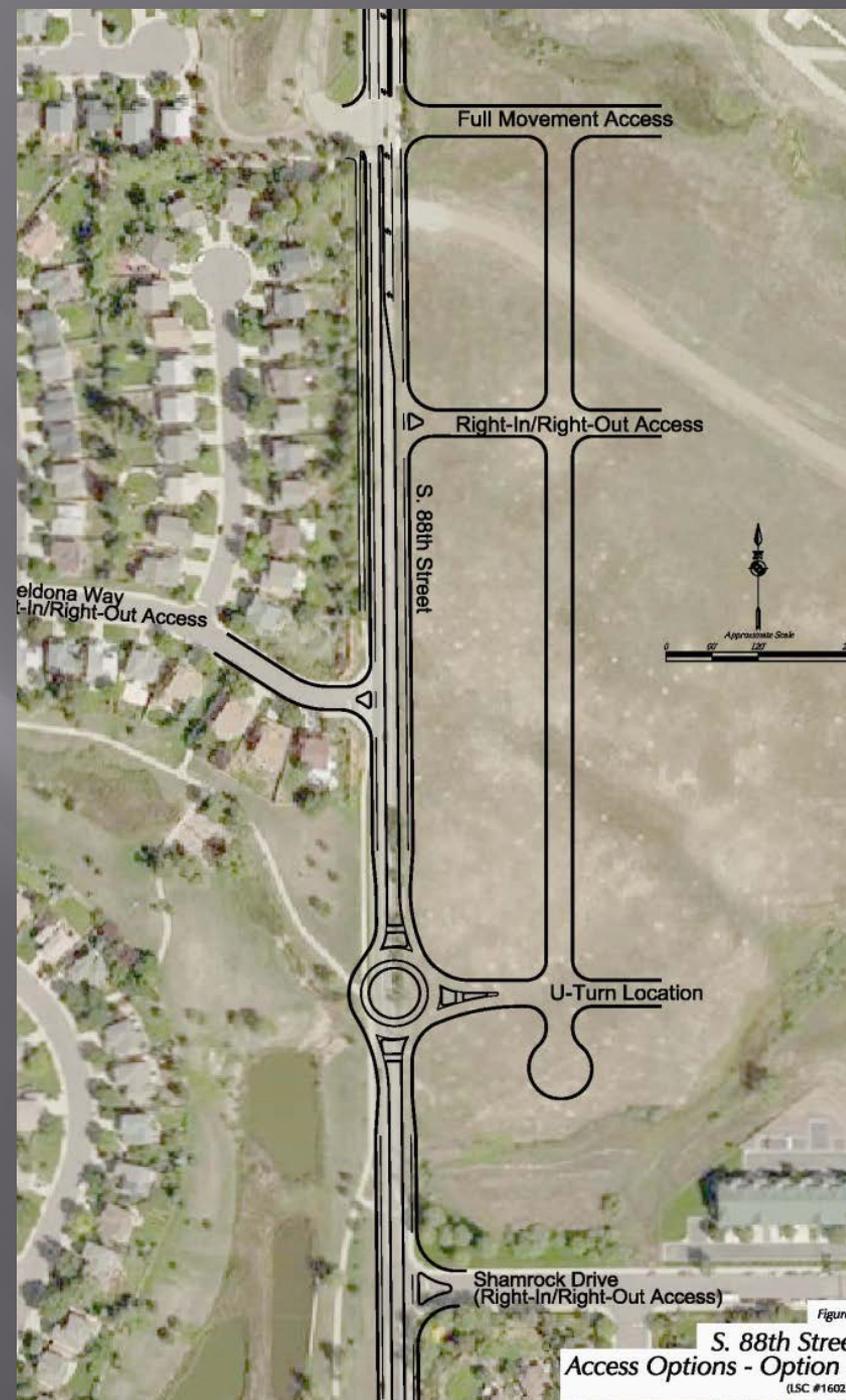
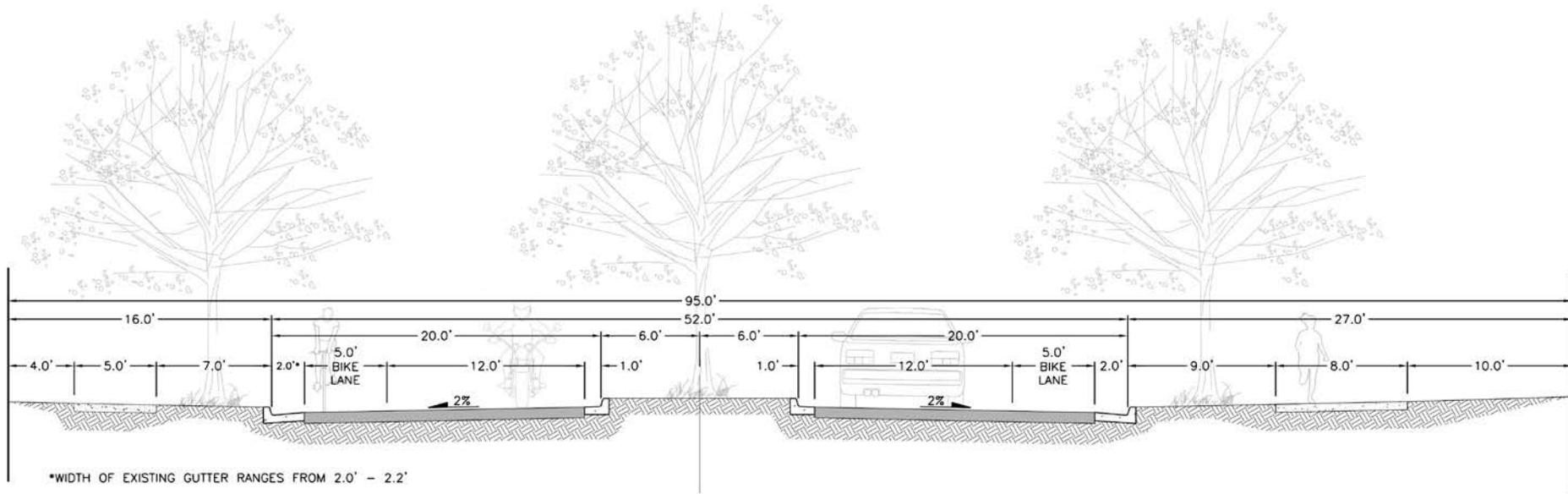


Figure
S. 88th Street
Access Options - Option 3
(LSC #16025)

Recommended 88th St. Plan



88th Street Proposed Cross Section



View looking north

88th Access Plan

Neighborhood Feedback

- ▣ 88th Street Design Concepts
- ▣ Access near Weldona
 - Oppose Weldona or Offset
 - Roundabout or Traffic Signal
 - If offset, at Weldona:
 - ▣ Right-turn only or
 - ▣ $\frac{3}{4}$ access with left-turns out restricted
- ▣ Shamrock Drive
 - ▣ Right-turn only or
 - ▣ $\frac{3}{4}$ access with left-turns out restricted
 - ▣ Maintain full-movement access with new SB left-turn lane

South Coal Creek Drive

- ▣ Major Collector
 - No back-out Driveways
 - 54 ft.-wide
 - Painted Median
 - Bike Lanes



Coal Creek Drive Connection

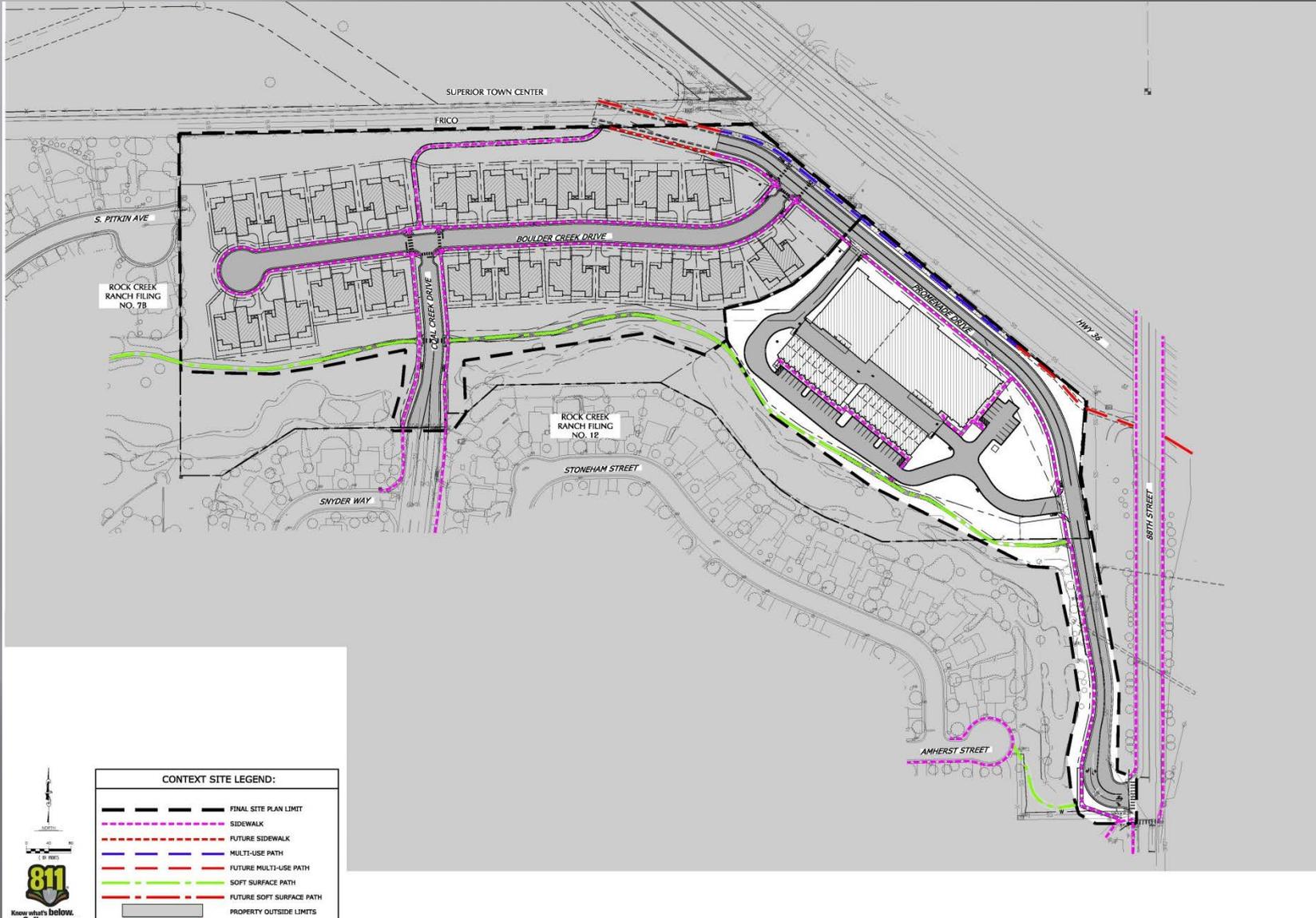
- ▣ Policy from 2006 & 2014 Comprehensive Plans
 - Ensure neighborhood connections between the Town Center and S. 88th St and S. Coal Creek Drive that respond to projected traffic counts for the proposed Land Uses as depicted on the 2012 Comprehensive Plan's Community Framework and Land Use Plan.

Coal Creek Drive Connection

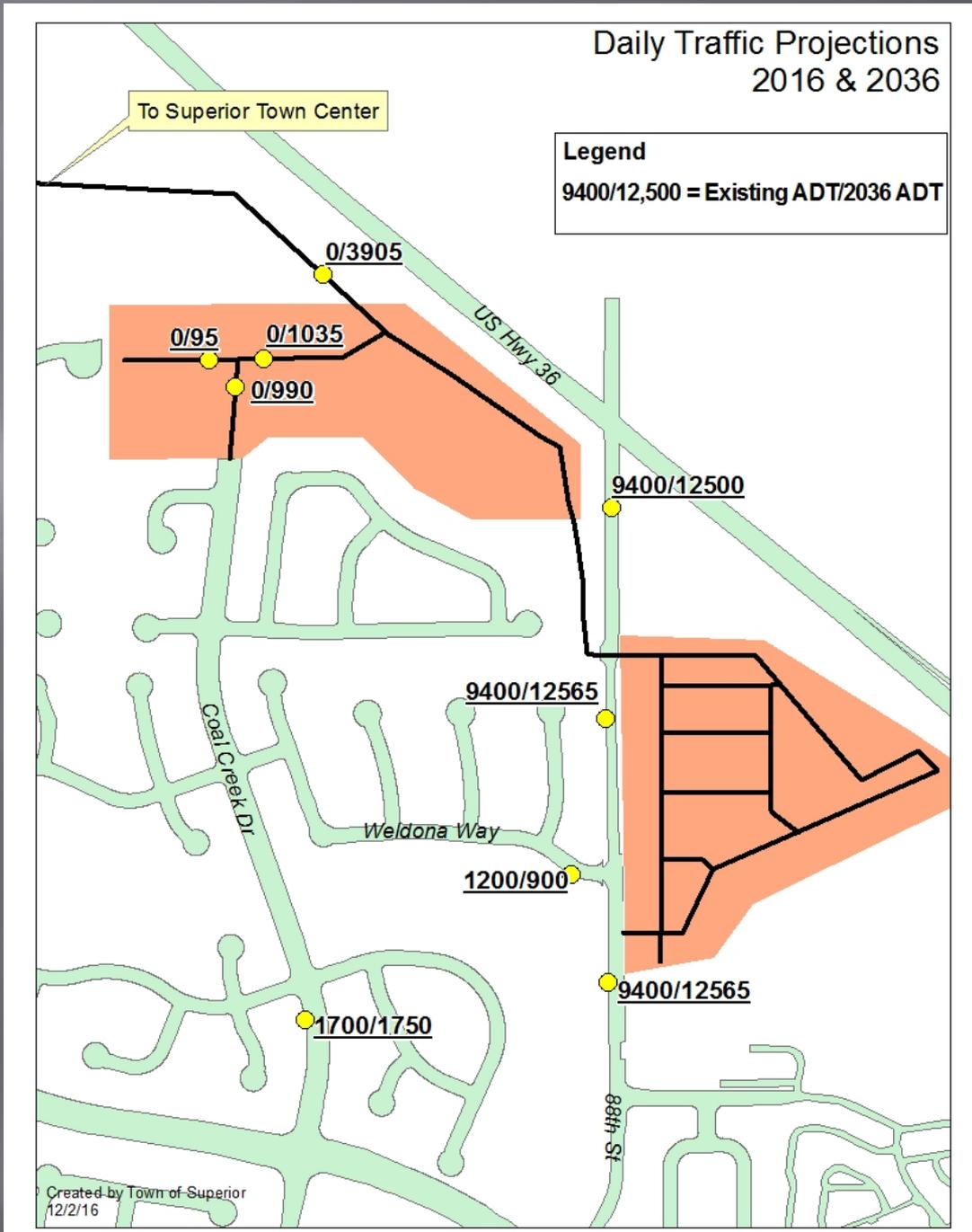
Design Objectives

- ▣ Connect Neighborhoods
- ▣ Discourage Cut-Through Traffic
- ▣ Minimize Traffic Volume
- ▣ Control Speeds

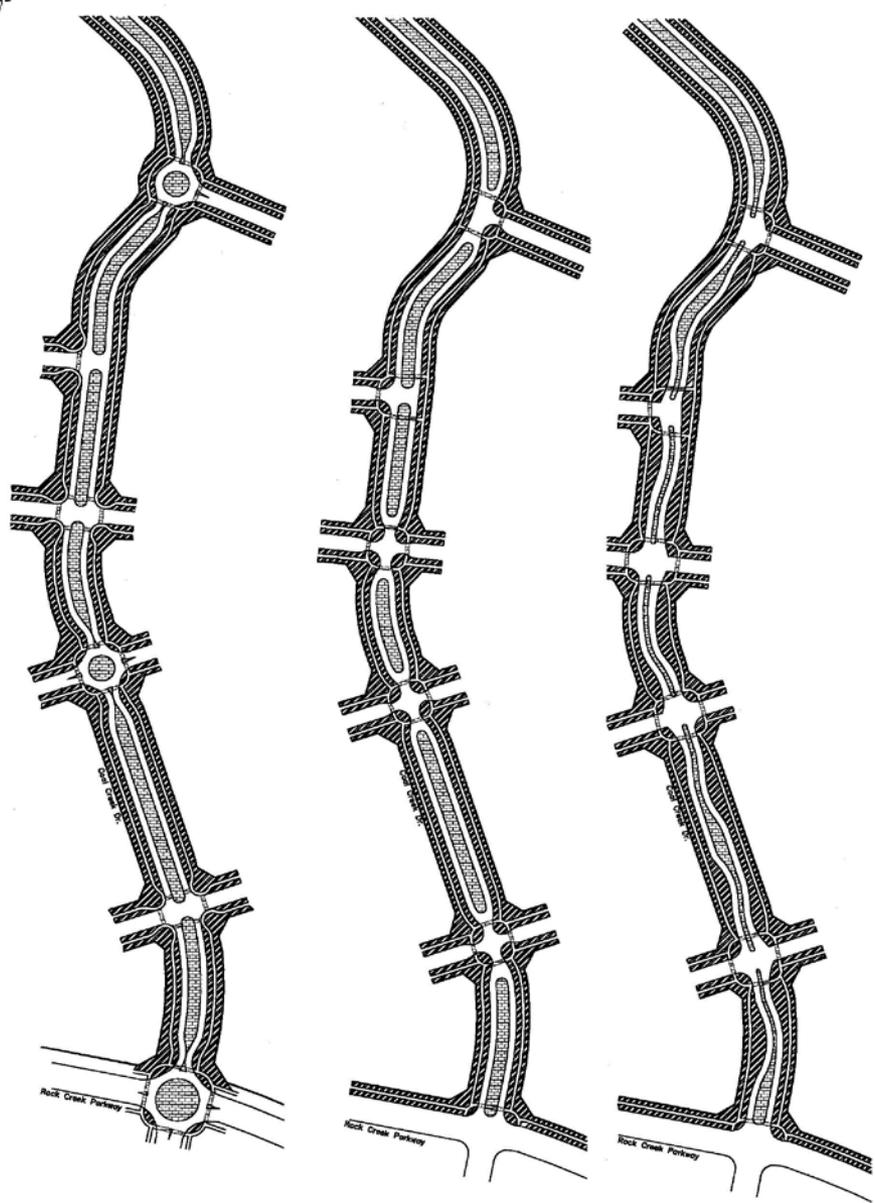
Coal Creek Drive Connection



Daily Traffic Projections



Coal Creek Drive Traffic Calming Options (developed years ago)



Roundabouts
Option 1

Bulbouts
Option 2

Chicanes
Option 3