

# Appendix C: Screening Results



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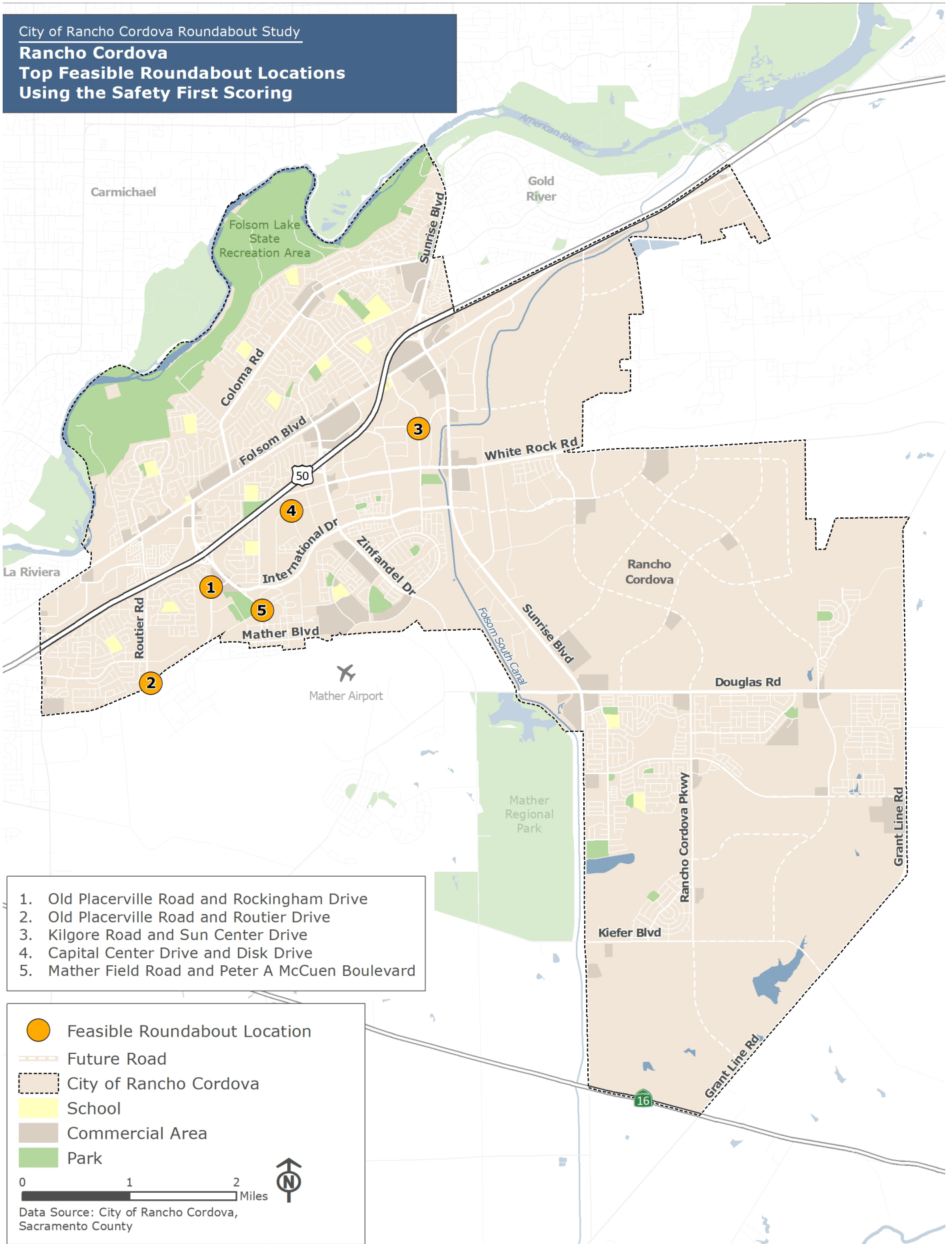
To better understand how a roundabout would fit at each of the five intersections, the project team developed sketch design concepts for each site (see [Figure C1–Figure C6](#)). Drawn over scaled aerial photo base maps, these initial concepts helped the project team and community members envision the potential roundabout at the site and helped the City prepare for project development and future funding opportunities.

The project team also prepared scorecards to summarize each location’s screening results according to safety, social equity, hazard risk, modal priority, opportunities and constraints, intersection volume and capacity, and crash history.

The following pages present an overview of each priority location and include the concept sketch and score results.



**Figure C1. Rancho Cordova Roundabout Priority Locations**



# Old Placerville Road and Rockingham Drive

## LEGEND

— Parcel Boundary

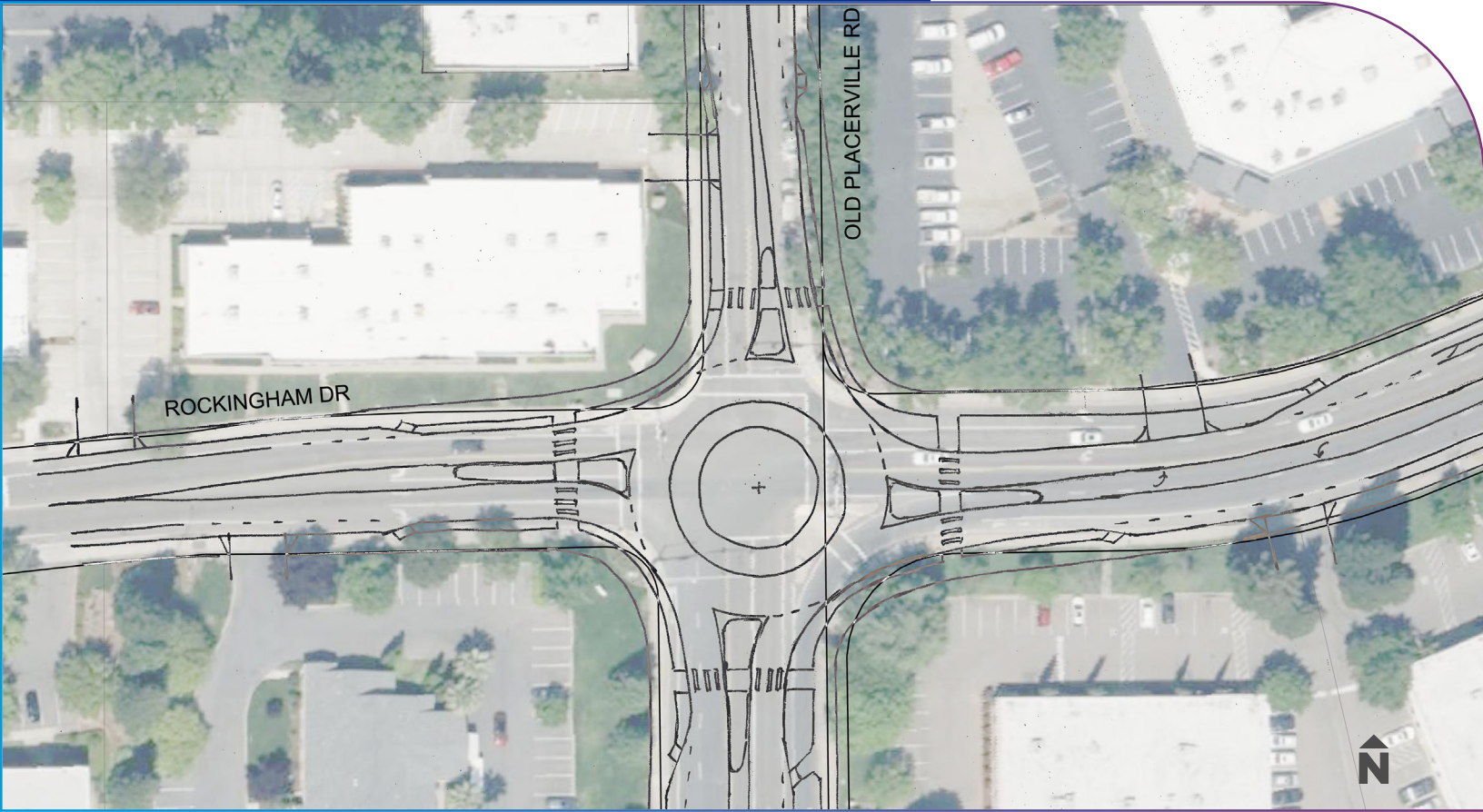
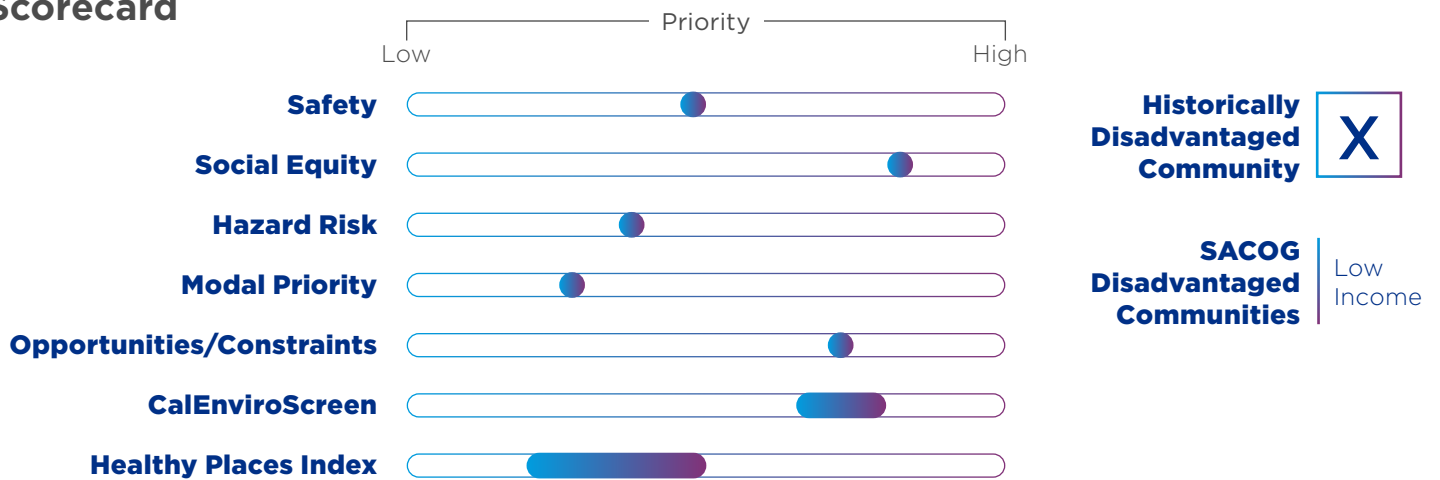


Figure C2. Old Placerville Road and Rockingham Drive Concept Sketch

## Scorecard



**Volume to Capacity Ratio**

**24%**  
below capacity with roundabout

**Number of Crashes (2017-2021)**

**15**  
3 injury + 12 property damage

# Old Placerville Road and Routier Drive

**LEGEND**  
 — Parcel Boundary

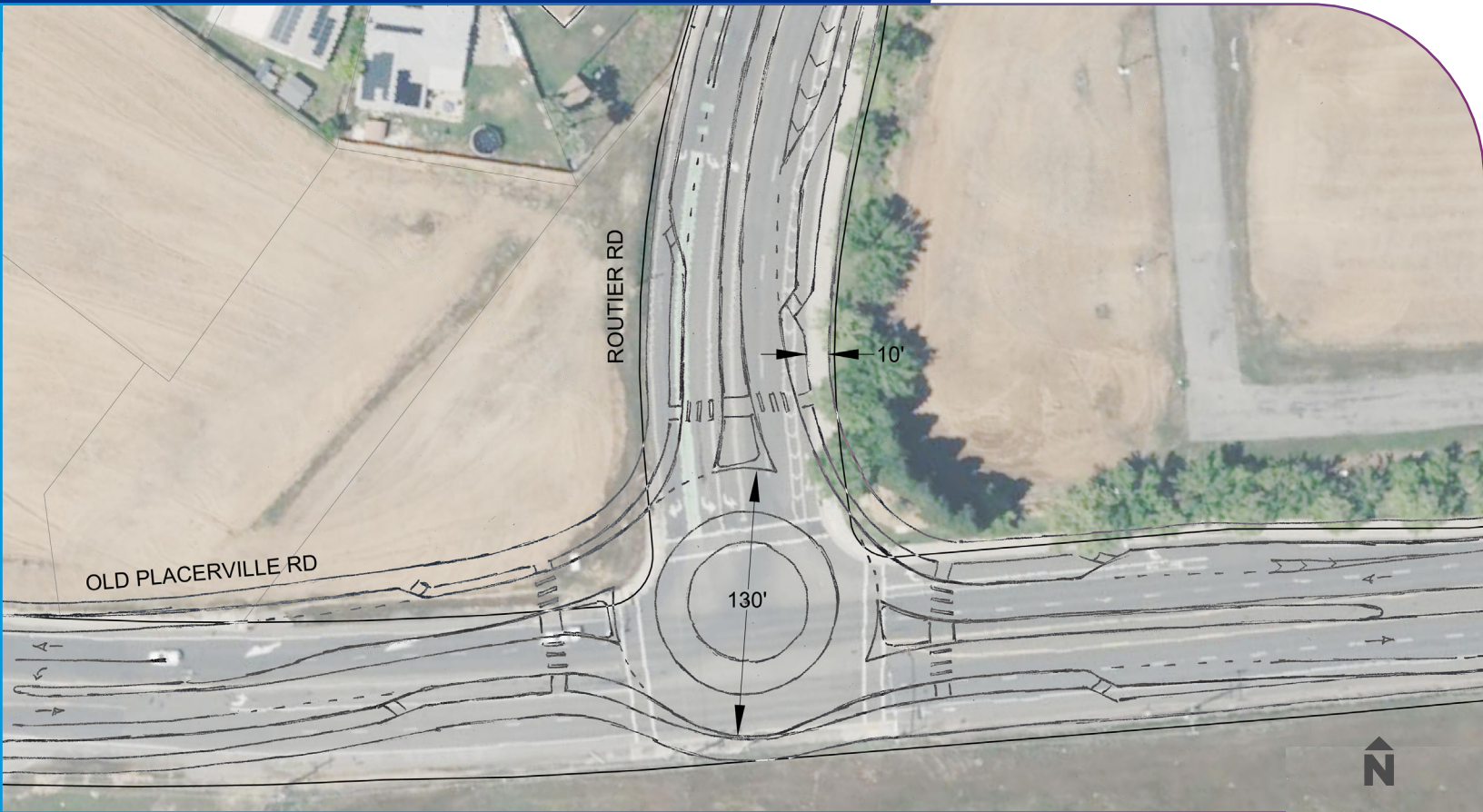
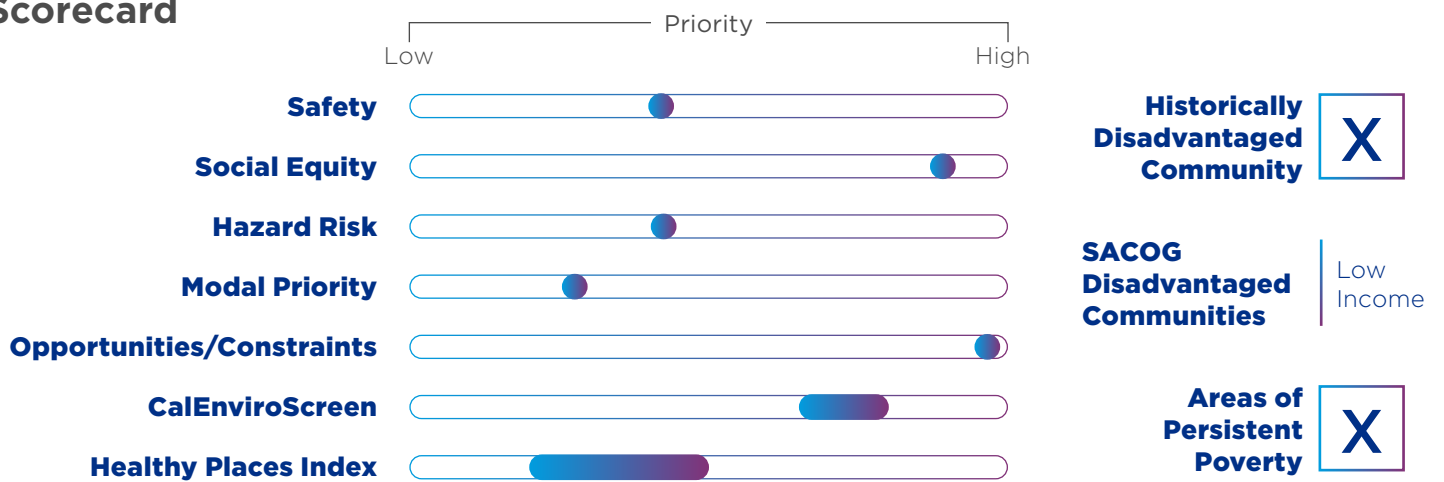


Figure C3. Old Placerville Road and Routier Drive Concept Sketch

## Scorecard



**Volume to Capacity Ratio**

**37%**  
 below capacity with roundabout

**Number of Crashes (2017-2021)**

**10**  
 3 injury + 7 property damage

# Kilgore Road and Sun Center Drive

**LEGEND**  
 — Parcel Boundary



Figure C4. Kilgore Road and Sun Center Drive Concept Sketch

## Scorecard



**Volume to Capacity Ratio**

**67%**  
 below capacity with roundabout

**Number of Crashes (2017-2021)**

**5**  
 4 injury + 1 property damage

# Capital Center Drive and Data Drive

**LEGEND**  
 — Parcel Boundary

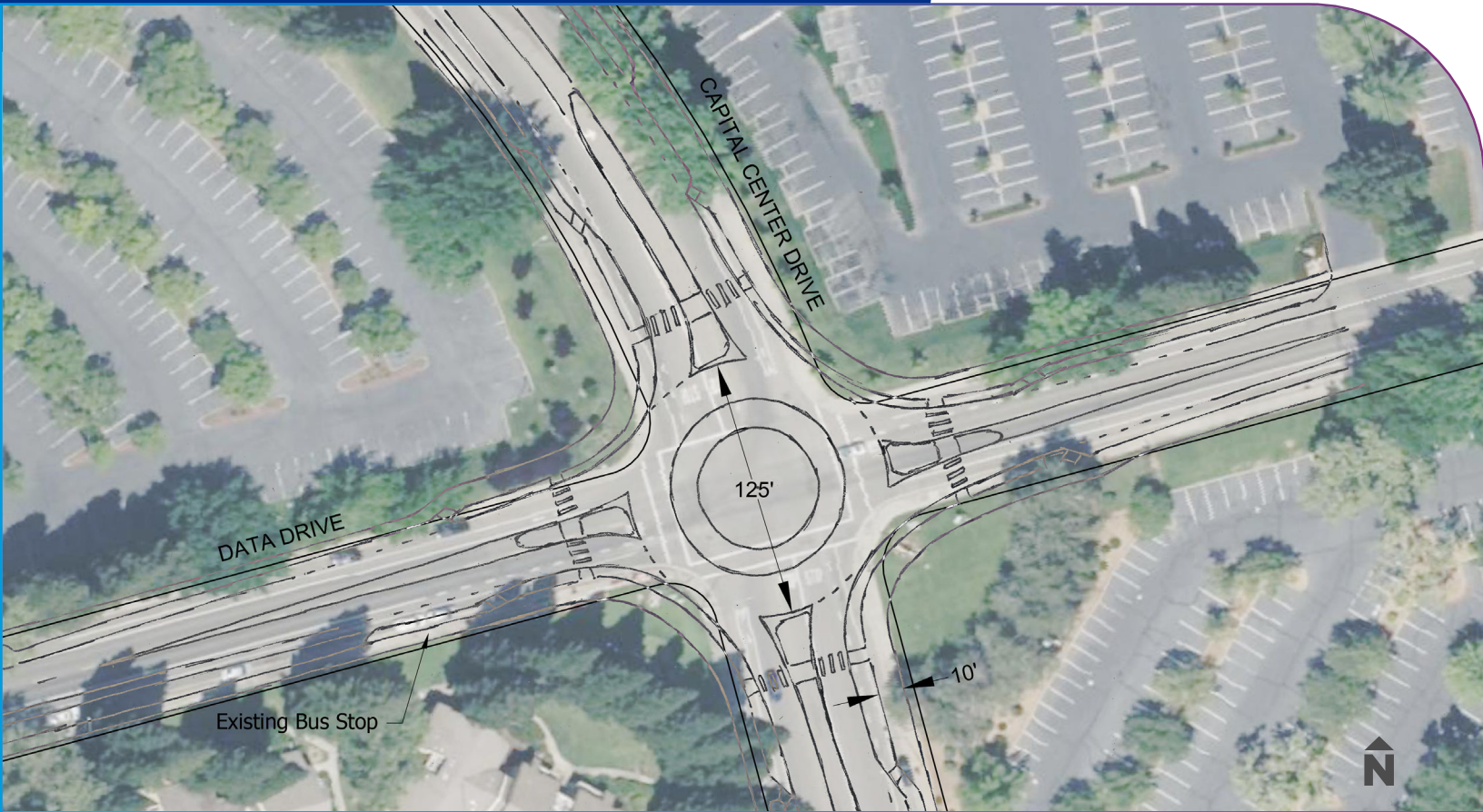
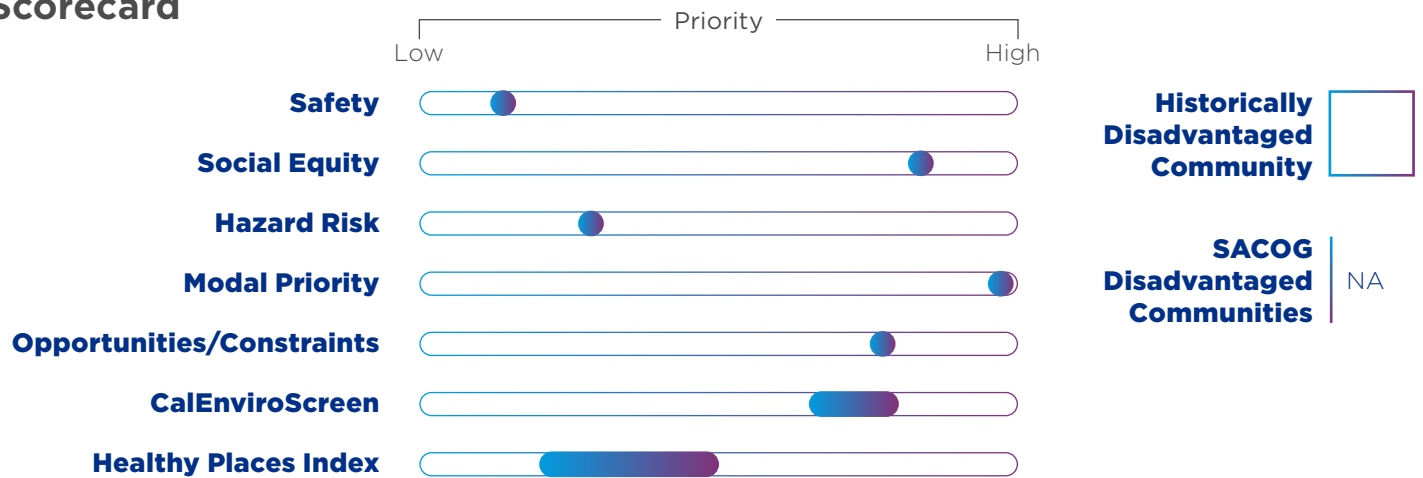


Figure C5. Capital Center Drive and Data Drive Concept Sketch

## Scorecard



**Volume to Capacity Ratio**

**85%**  
 below capacity with roundabout

**Number of Crashes (2017-2021)**

**2**  
 1 injury + 1 property damage

# Mather Field Road and Peter A McCuen Boulevard

**LEGEND**  
— Parcel Boundary

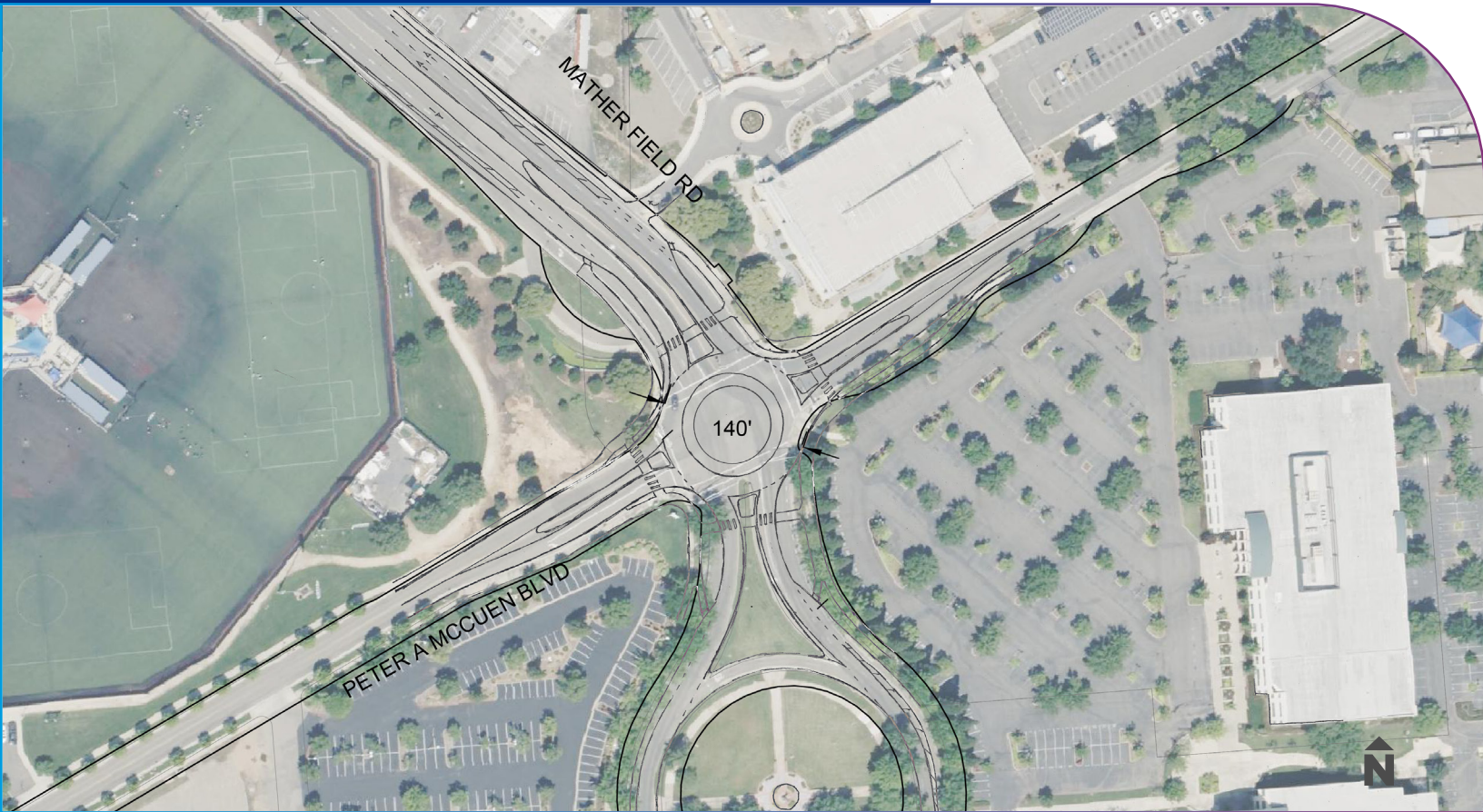
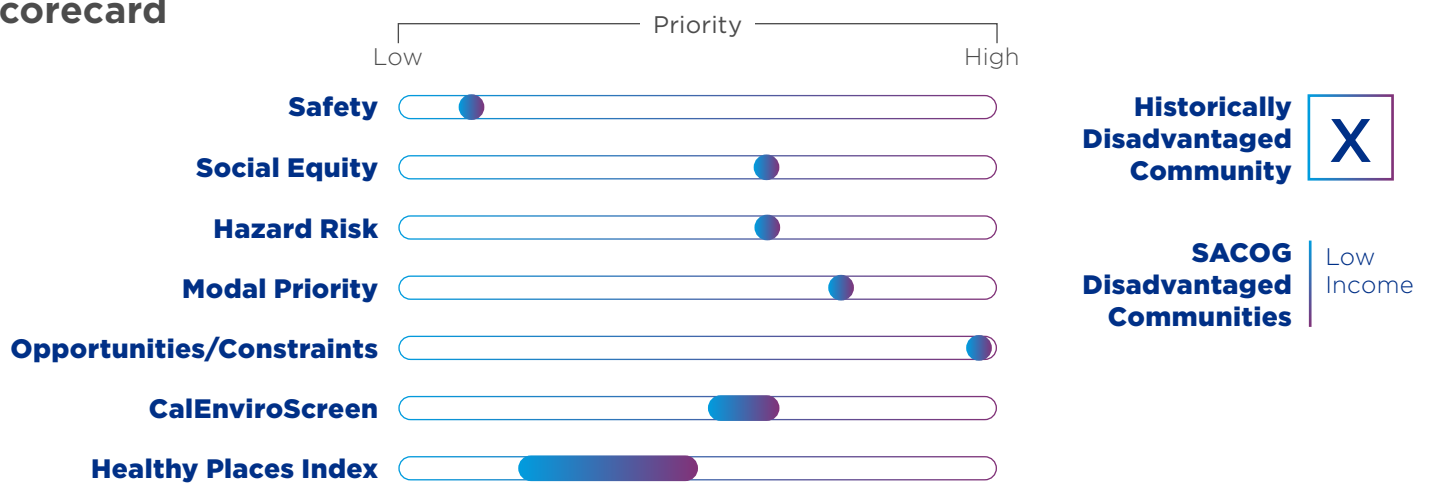


Figure C6. Mather Field Road and Peter A McCuen Boulevard Concept Sketch

## Scorecard



**Volume to Capacity Ratio** **38%**  
below capacity with roundabout

**Number of Crashes (2017-2021)** **1**  
1 injury + 0 property damage