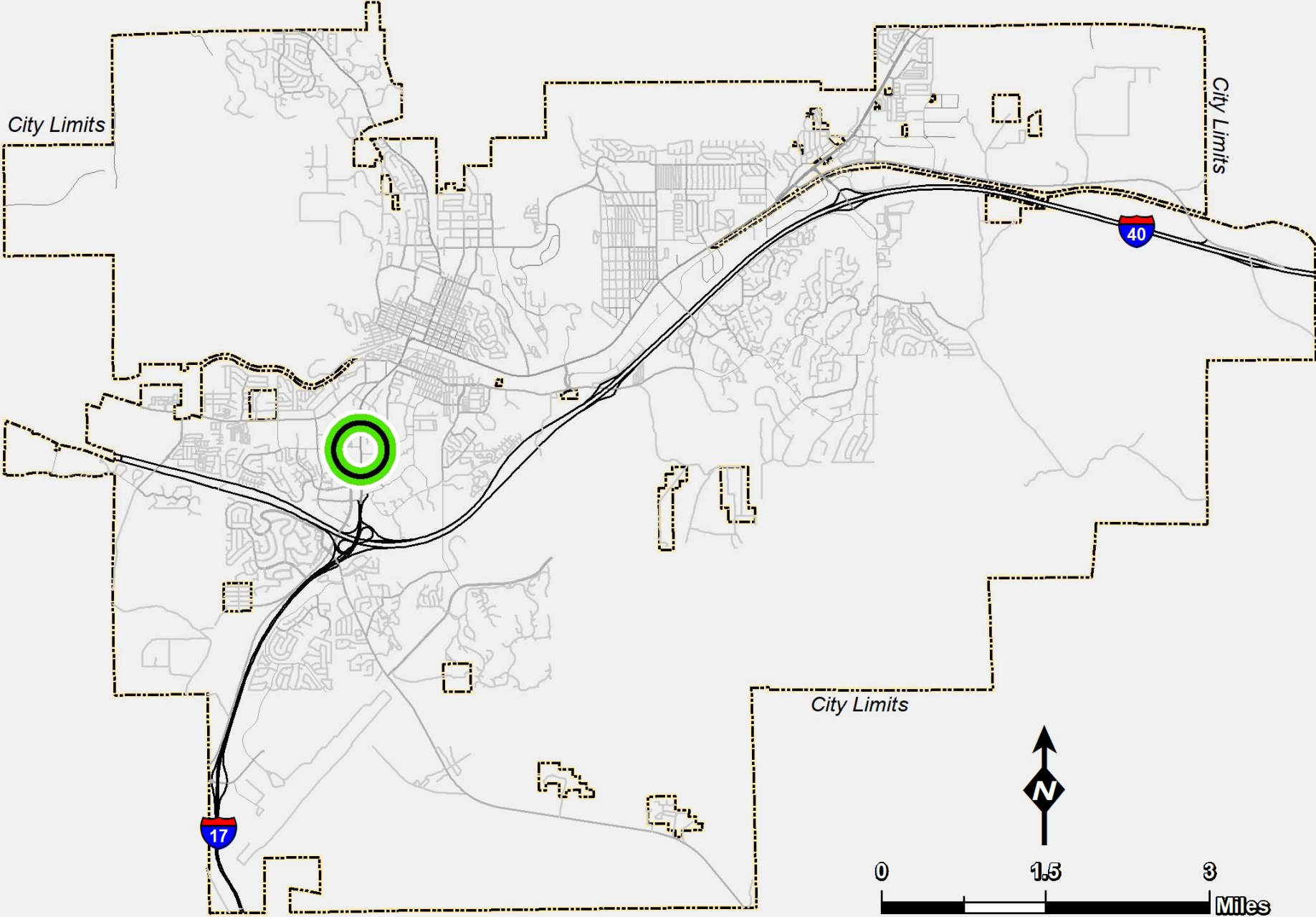


An aerial photograph of a town nestled in a valley. The foreground is dominated by a dense forest of tall, green pine trees. In the middle ground, a residential and commercial area is visible, featuring various houses, buildings, and streets. The background consists of a range of rugged, brown mountains under a blue sky with scattered white clouds.

Beulah/University Roadway Project

**Bike and Pedestrian Design Discussion
5 October 2021**

Beulah/University Roadway Project



NORTH →

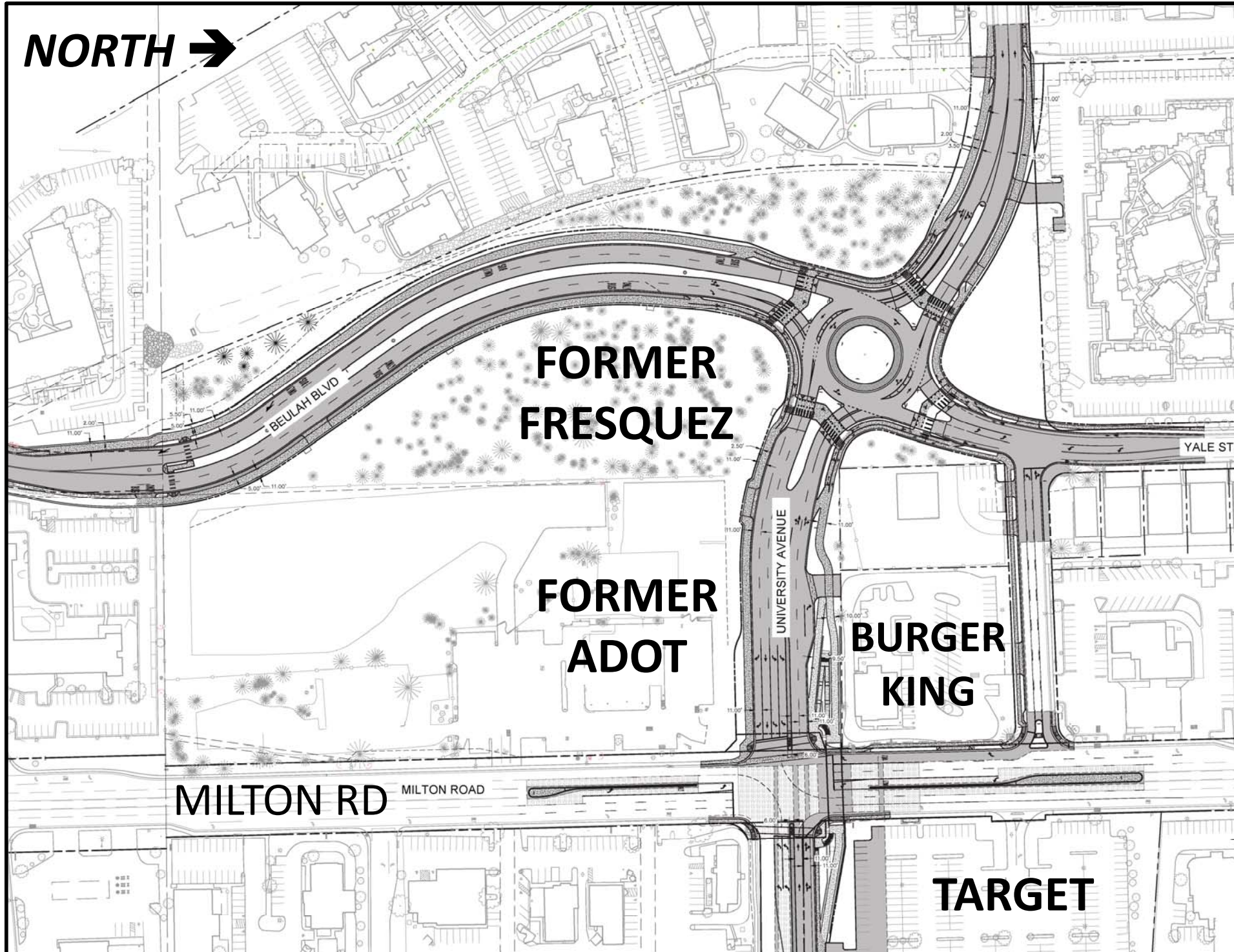
**FORMER
FRESQUEZ**

**FORMER
ADOT**

**BURGER
KING**

MILTON RD MILTON ROAD

TARGET





The Design Team

Shephard-Wesnitzer Inc. (SWI) → *Design Engineer*

- Contributing Stakeholders
 - Kimley-Horn - *Roundabout Expertise*
 - COF Staff
 - AZ Dept of Transportation (ADOT)
 - Vintage Partners
 - Mountain Line
 - Northern Arizona University
 - Eagle Mountain Construction – CMAR Contractor

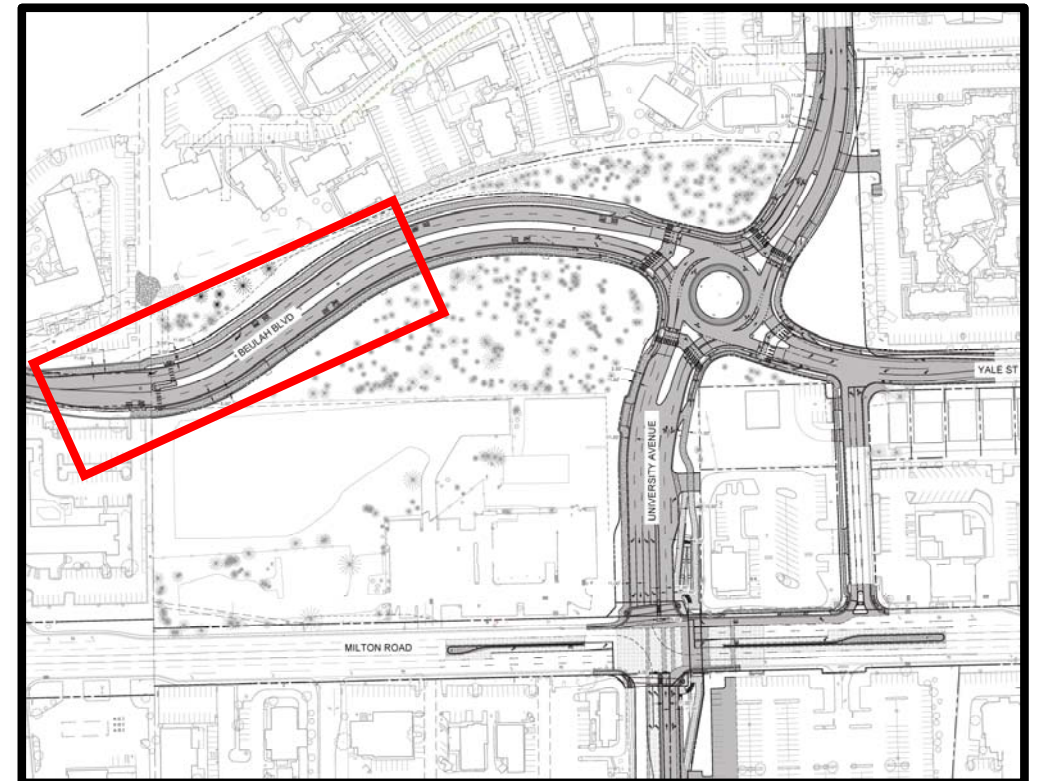


Beulah Blvd – *Southern Section 1*

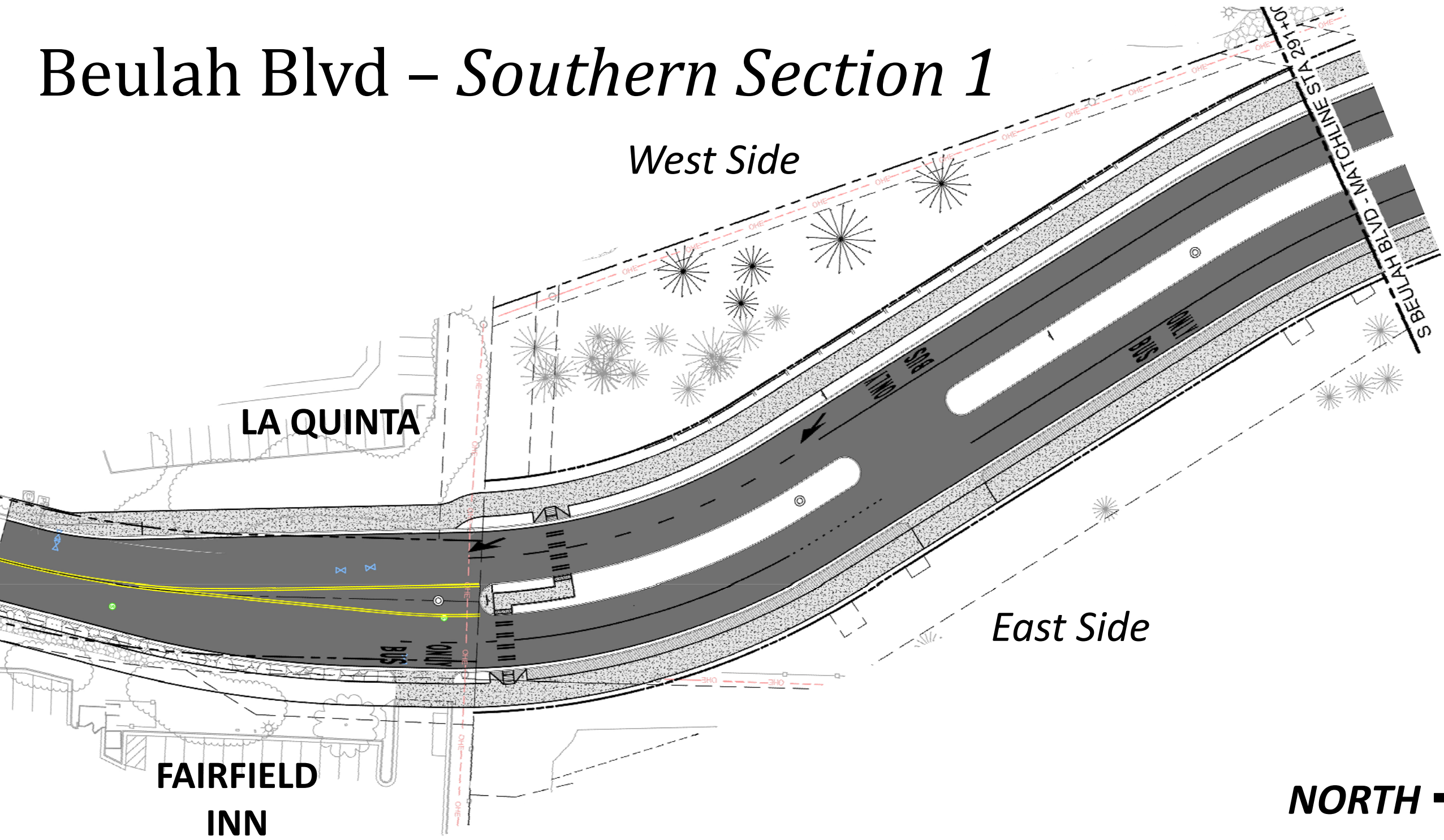


Features:

- 11-Foot Sidewalk & 5-Foot Parkway (West Side)
- 11-Foot Sidewalk & 5-Foot Concrete Parkway (East Side)
- Bus Only Lane
 - Northbound “NB” & Southbound “SB”
- On-Street Bike Lanes removed (NB & SB)
- Signalized Pedestrian Crossing (south end)
- 15-Foot Landscaped Medians



Beulah Blvd – Southern Section 1



NORTH →

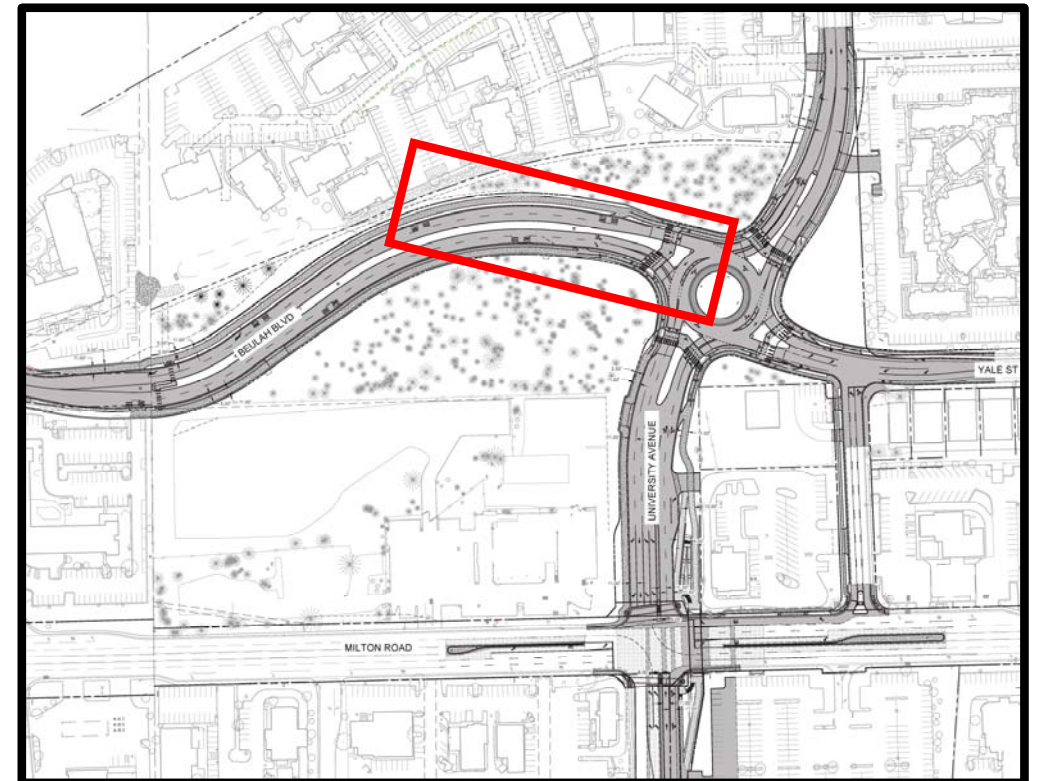


Beulah Blvd – *Southern Section 2*



Features:

- 11-Foot Sidewalk & 5-Foot Parkway (West Side)
- 11-Foot Sidewalk & 5-Foot Concrete Parkway (East Side)
- Bus Only Lane (Not in Roundabout)
- On-Street Bike Lanes Removed
- 15-Foot Landscaped Medians



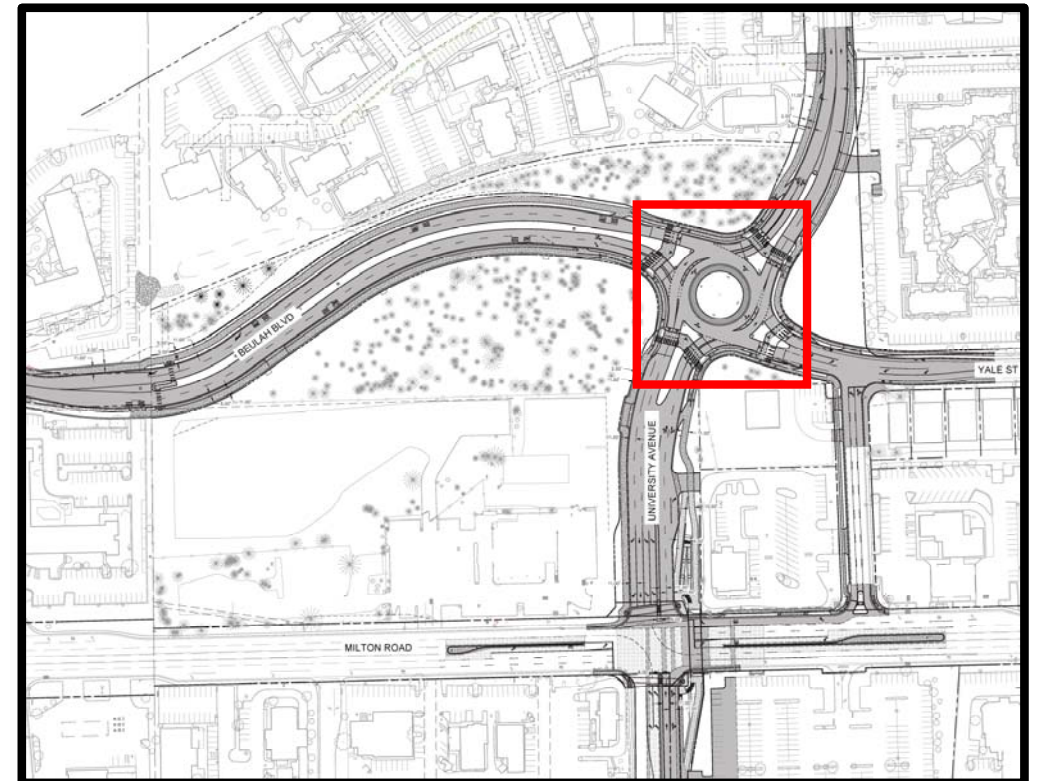


Roundabout



Features:

- Separated Bike and Pedestrian Crosswalks
- Signalization of the Roundabout for Bikes and Pedestrians
- Raised Crosswalks
- Colors Shown are for Reference Only not Necessarily the Color “On the Ground”



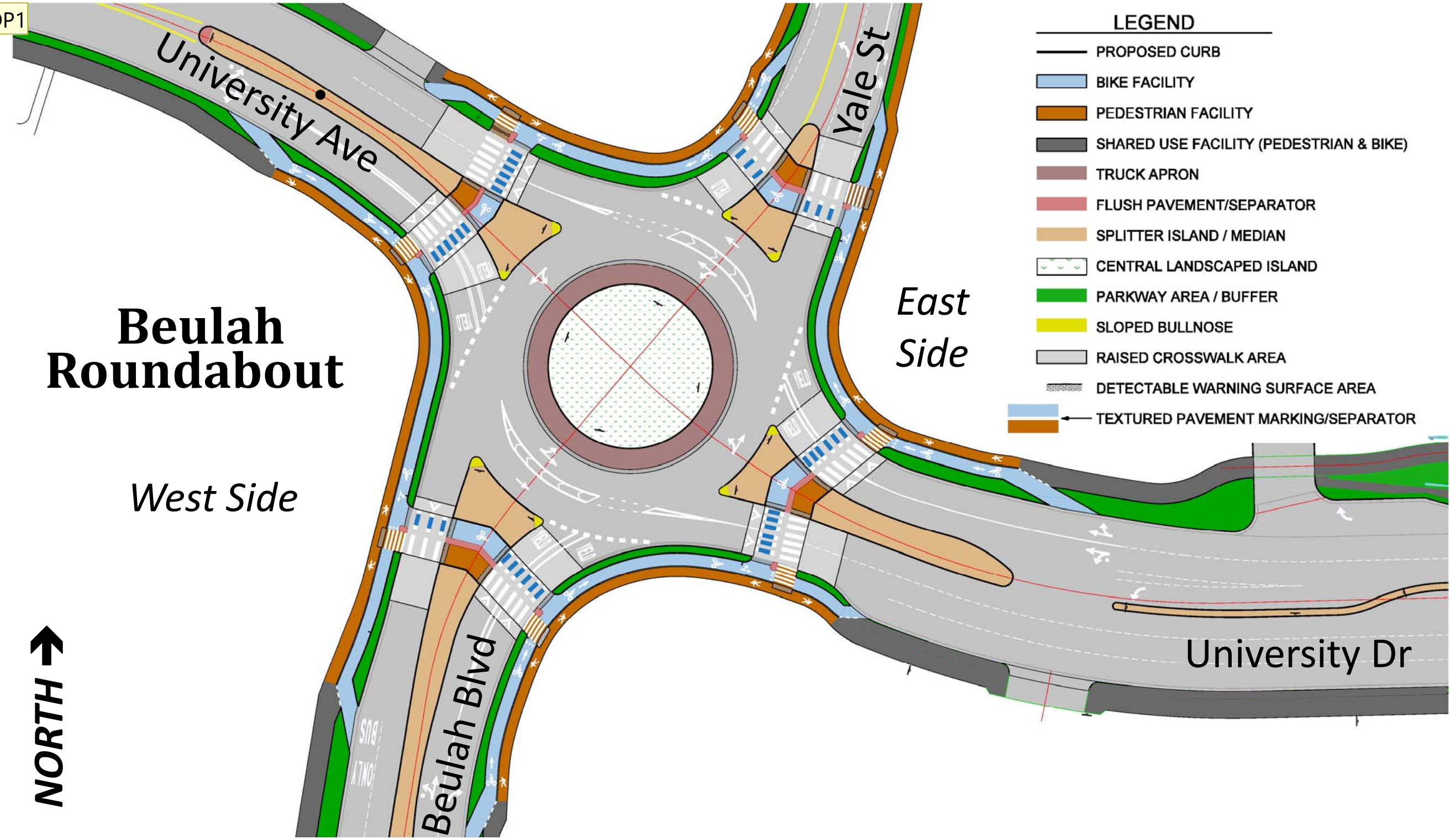
DP1

Beulah Roundabout

West Side

East Side

NORTH →



LEGEND

- PROPOSED CURB
- BIKE FACILITY
- PEDESTRIAN FACILITY
- SHARED USE FACILITY (PEDESTRIAN & BIKE)
- TRUCK APRON
- FLUSH PAVEMENT/SEPARATOR
- SPLITTER ISLAND / MEDIAN
- CENTRAL LANDSCAPED ISLAND
- PARKWAY AREA / BUFFER
- SLOPED BULLNOSE
- RAISED CROSSWALK AREA
- DETECTABLE WARNING SURFACE AREA
- TEXTURED PAVEMENT MARKING/SEPARATOR

Beulah Blvd

University Ave

Yale St

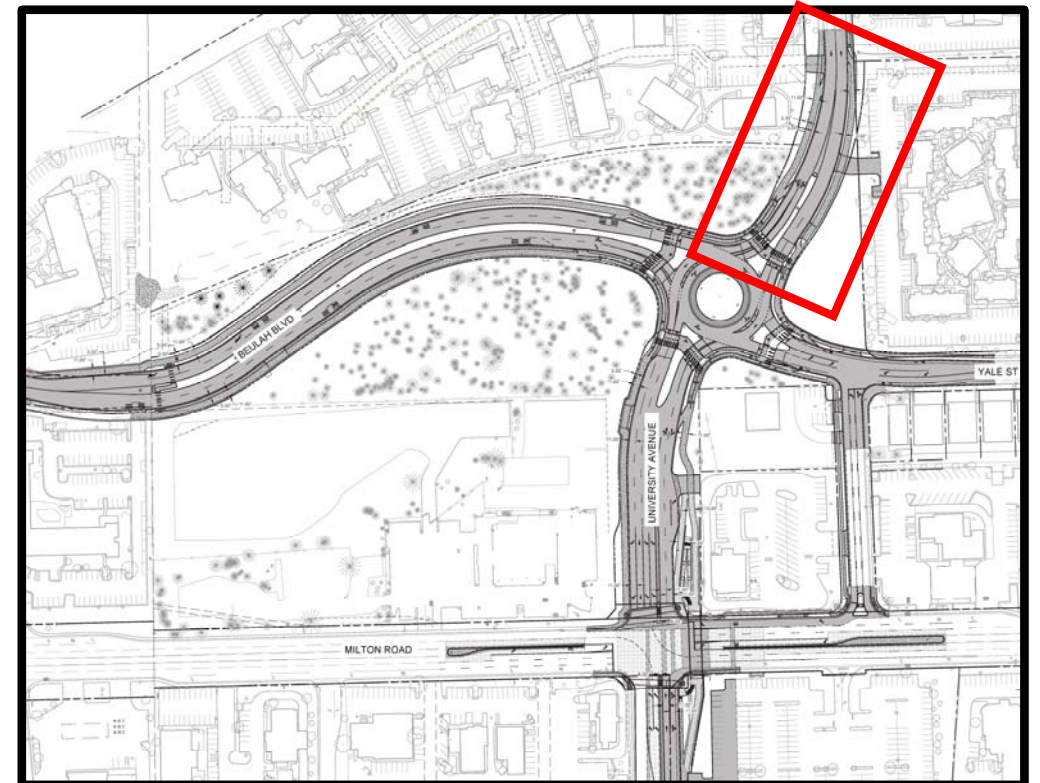
University Dr



West University Avenue

Features:

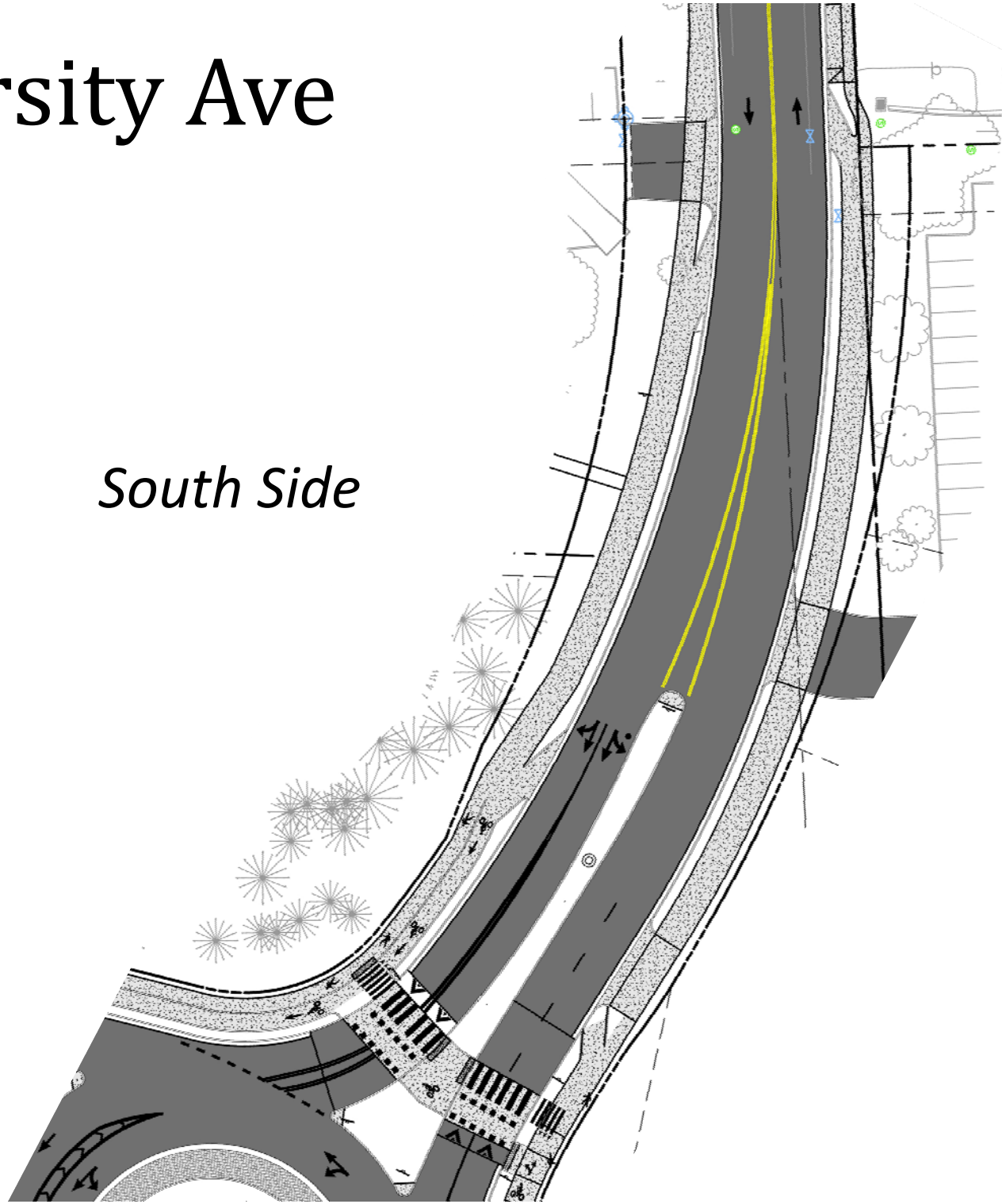
- 11-Foot Sidewalk; 3.5-Foot Parkway (South Side)
- 11-Foot Sidewalk; 3.5-Foot Parkway (North Side)
- On-Street Bike Lanes Removed
- On-Street Bike Lanes Resume at Project Limits



West University Ave

South Side

North Side



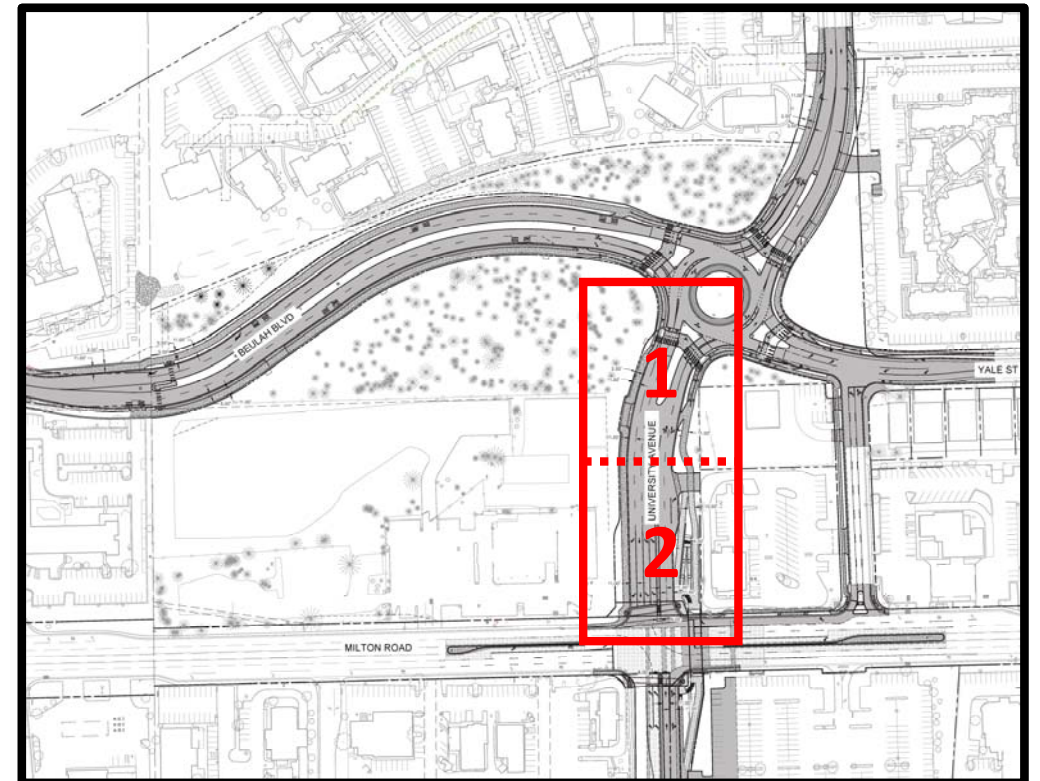
NORTH →



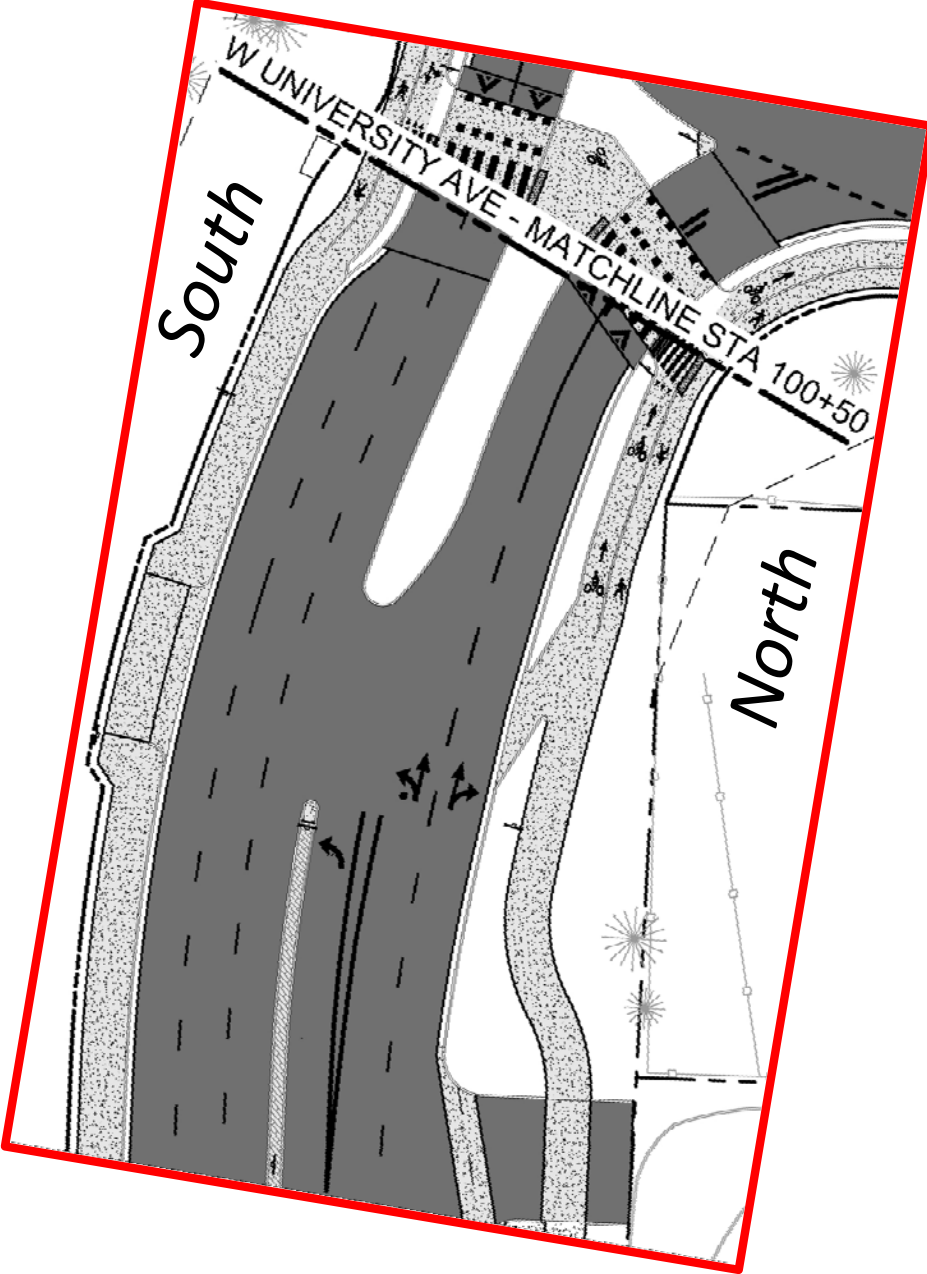
West University Avenue (New)

Features:

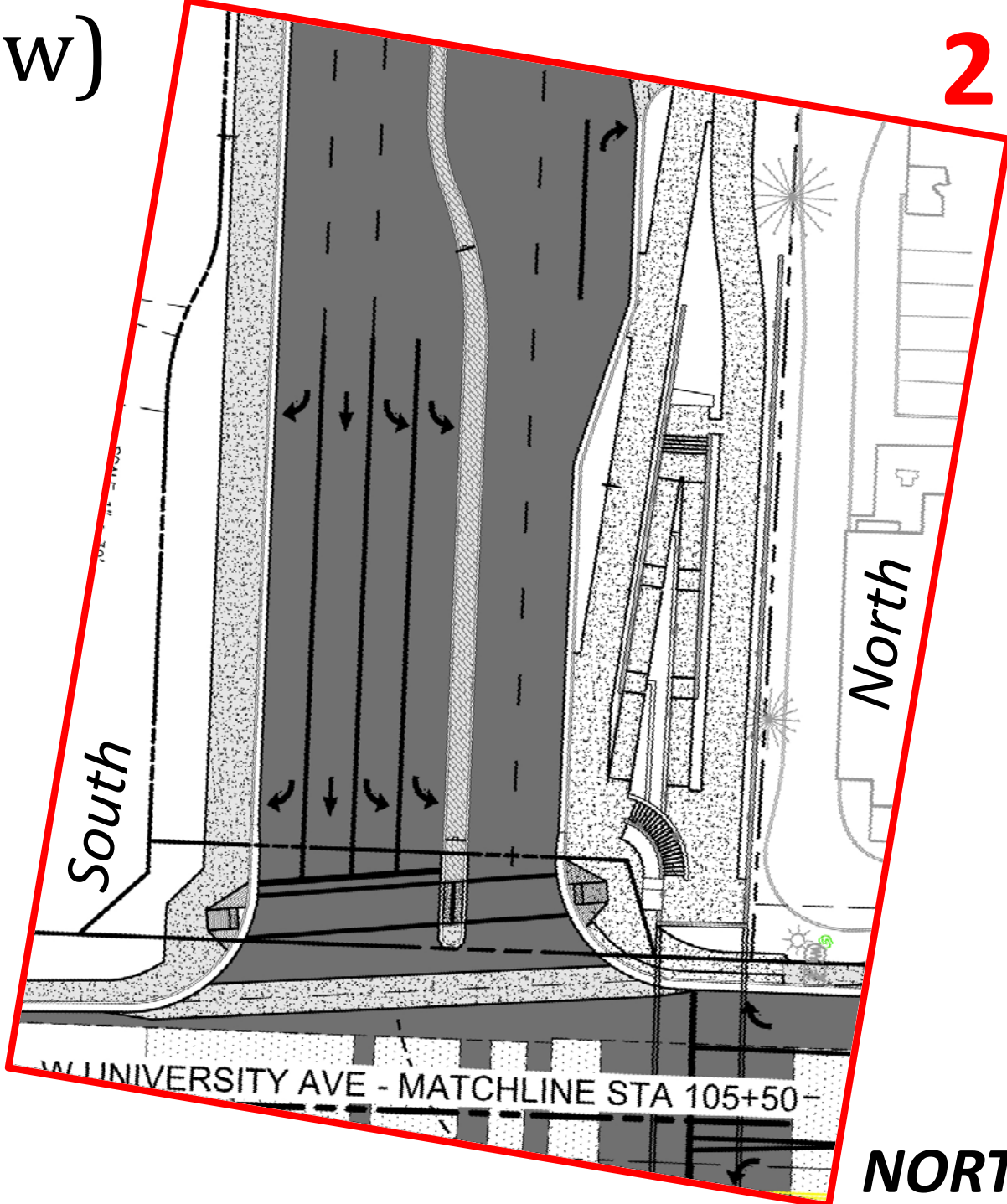
- 11-Foot Sidewalk (North Side)
- 11-Foot Sidewalk (South Side)
- Removed On-Street Bike Lanes
- 10-Foot Sidewalk Approach to Pedestrian Underpass (Western Portal)
- No Surface Crossing of Milton Road
- Surface Crosswalk for W. University Avenue
 - 5-Foot Pedestrian Refuge (in Median)



W. University Avenue (New)



1



2

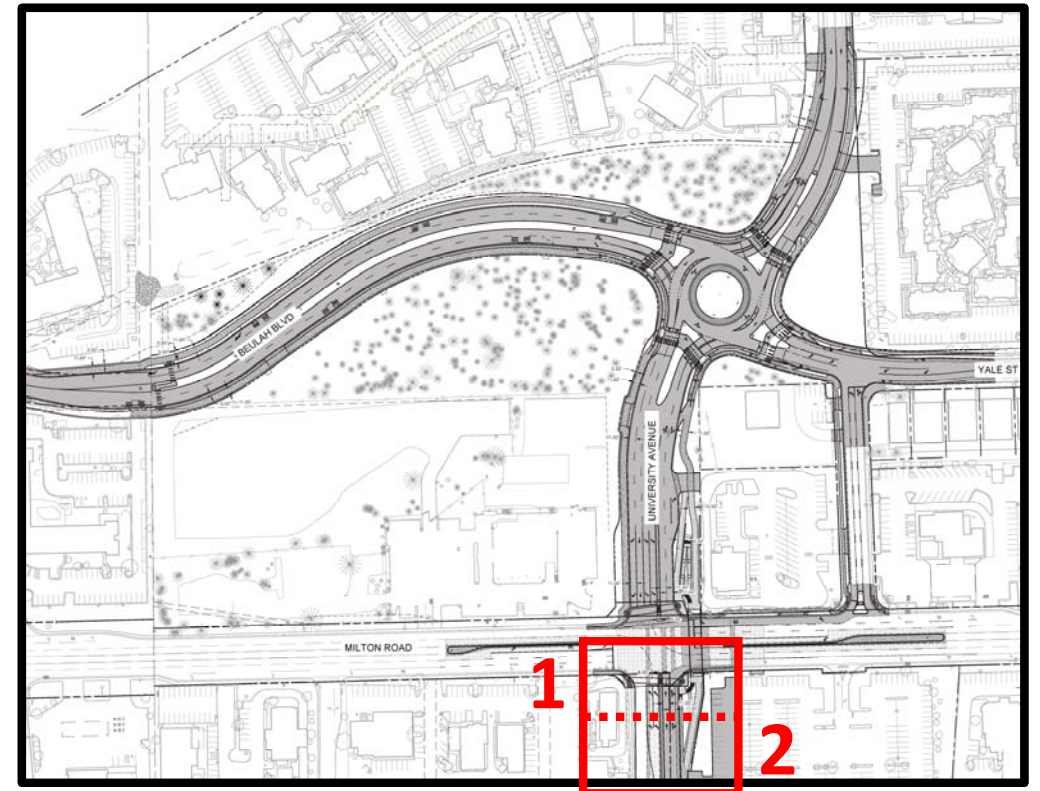
NORTH →



University Drive

Features:

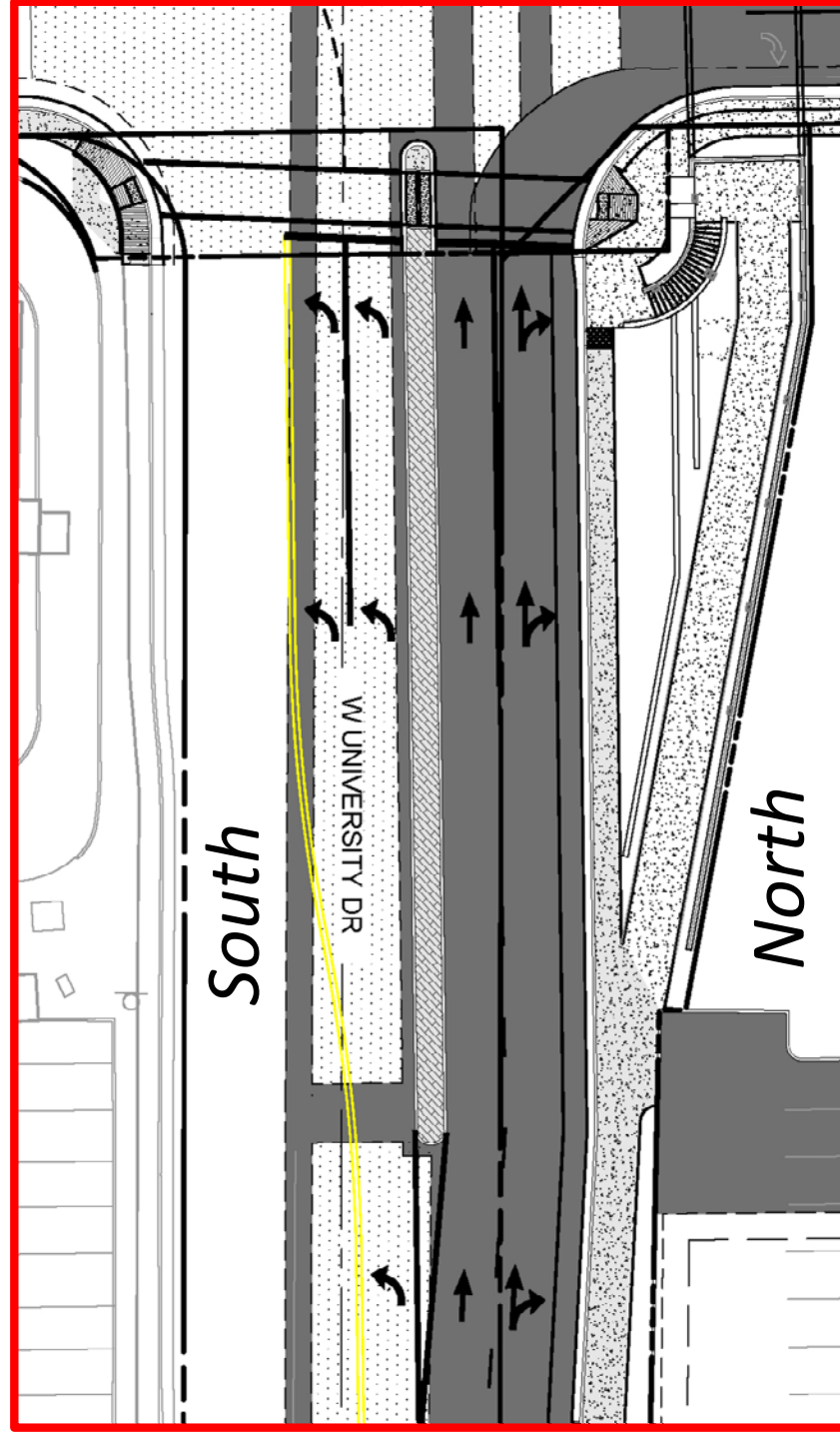
- 10-Foot Sidewalk Transitions to 8-Foot Sidewalk (North Side)
- Existing Sidewalk to Remain (South Side)
- Pedestrian Underpass (Eastern Portal)
- No Surface Crossing of Milton
- Surface Crosswalk for Crossing University Dr.
 - 5-Foot Pedestrian Refuge (in Median)



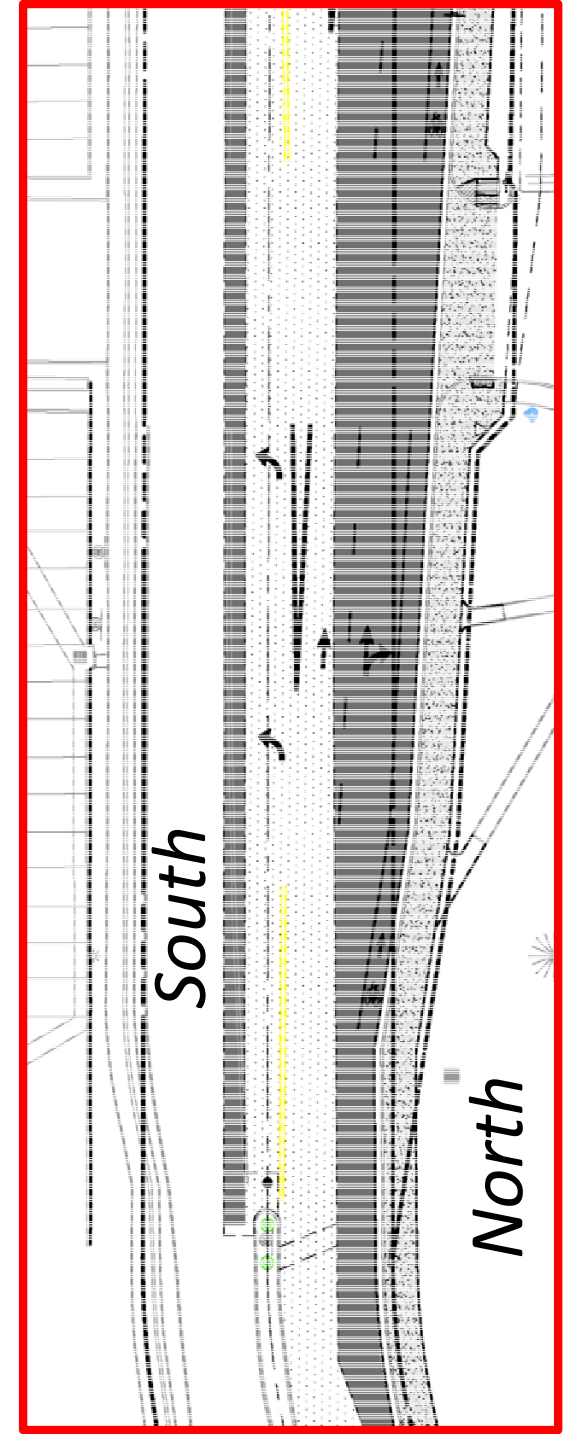
University Drive

NORTH →

1



2

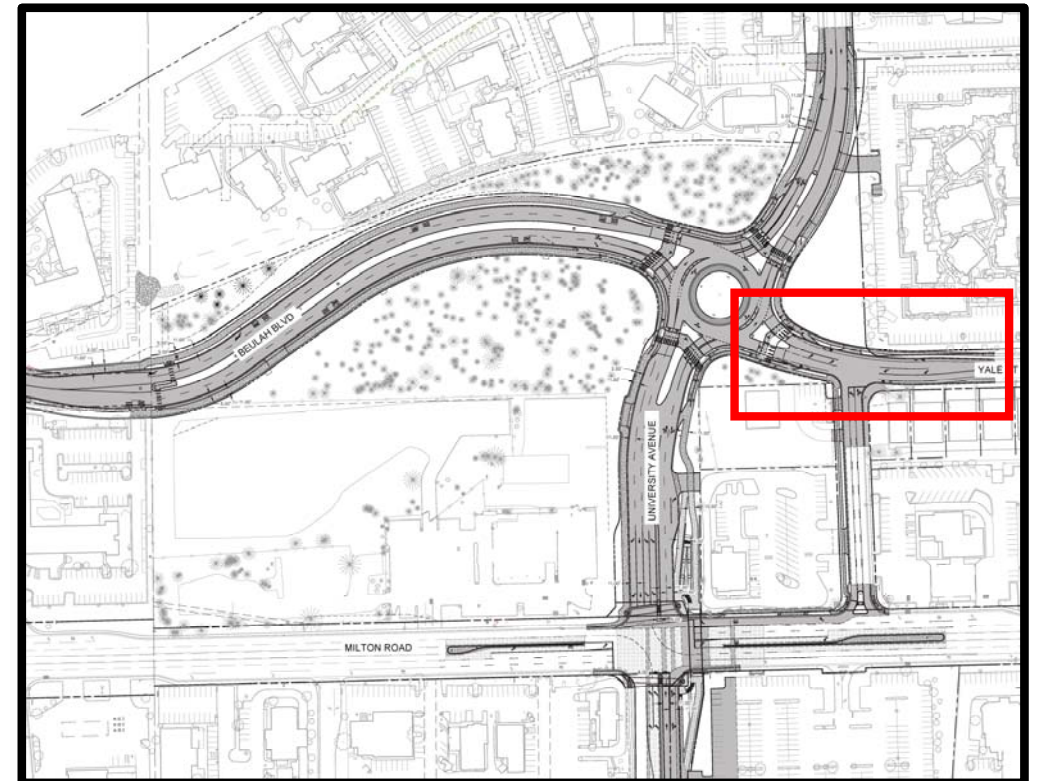




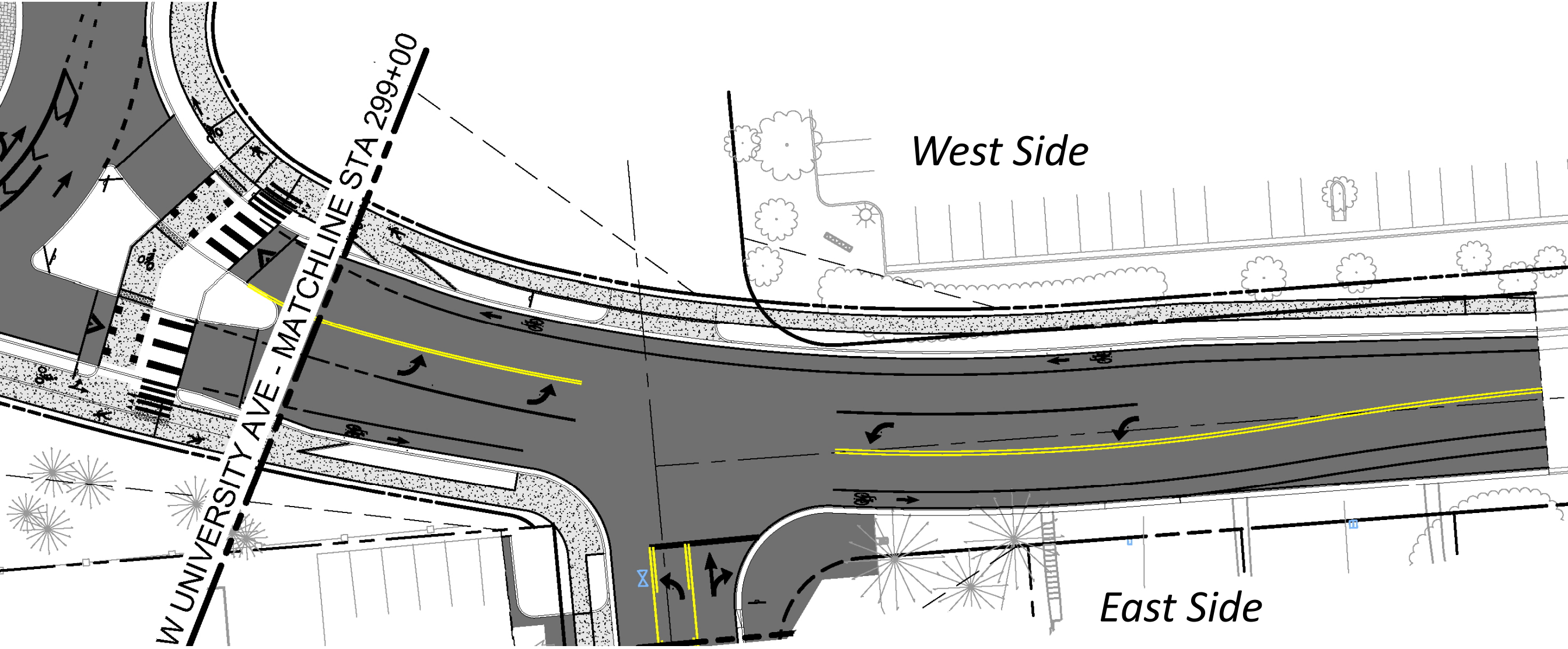
Yale Street

Features:

- 5-Foot Sidewalk (West & East Sides)
- Transition to 11-Foot Sidewalks nearing Roundabout
- 5-Foot Parkway (West Side)
- On-Street Bike Lanes Remain (NB & SB)



Yale Street



NORTH →

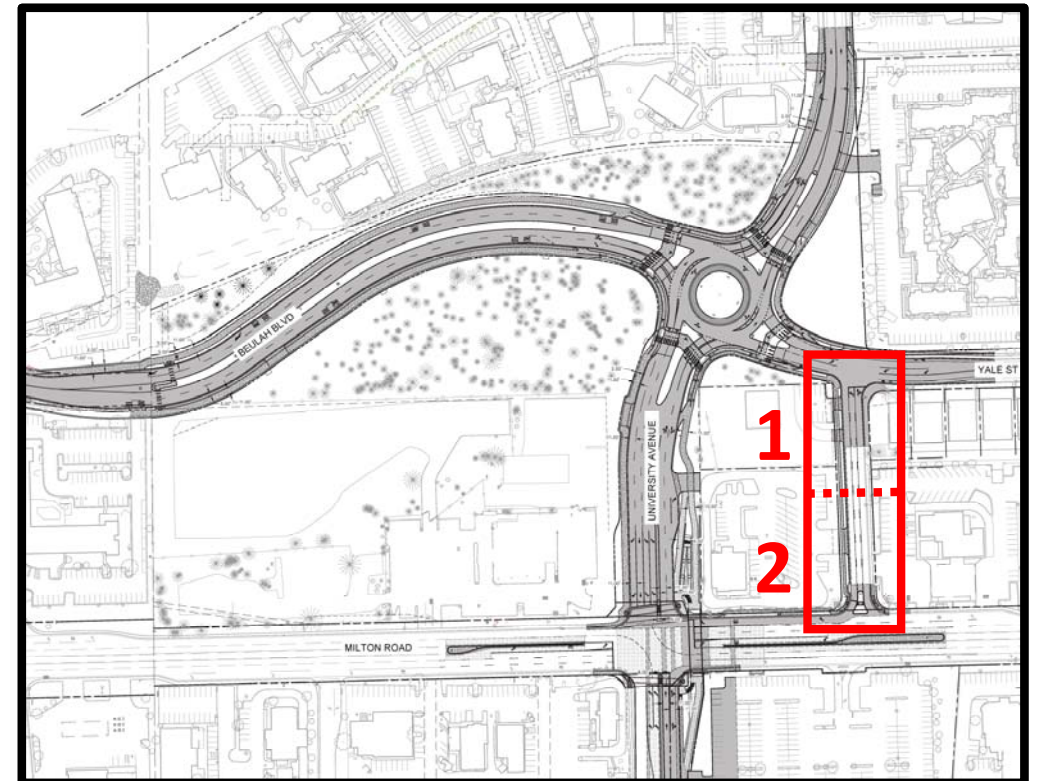


University Avenue (Current)

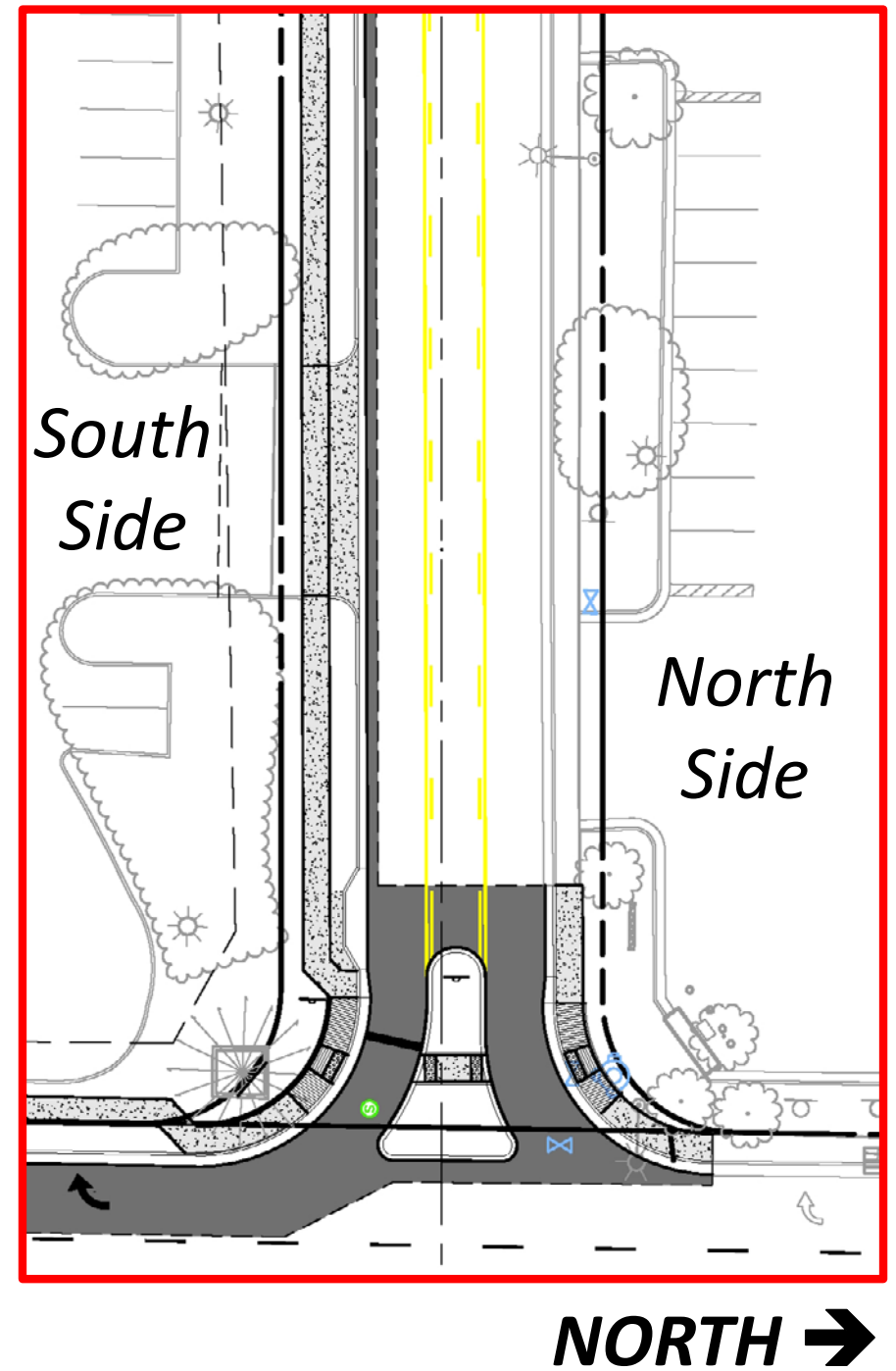
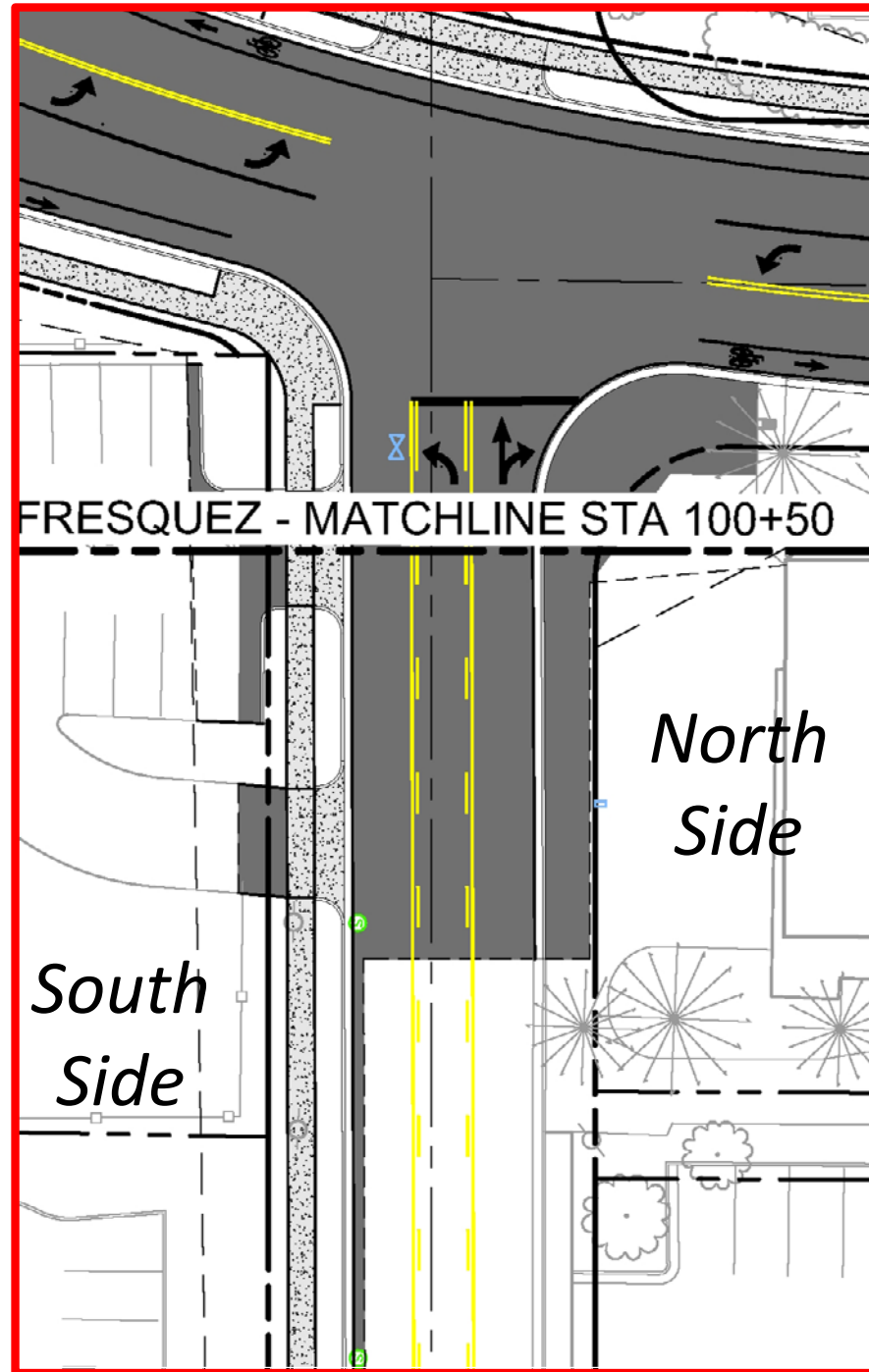


Features:

- 5-Foot Sidewalk & 5-Foot Parkway (South Side)
- Existing Sidewalk Remains (North Side)
- One Westbound Lane; One Eastbound Lane
- 10-Foot Center Turning Lane
- Milton Road will have a Raised Median
- No NB Left Turns from Milton Road
 - Right-in, Right-out for Vehicular Traffic at Intersection with Milton

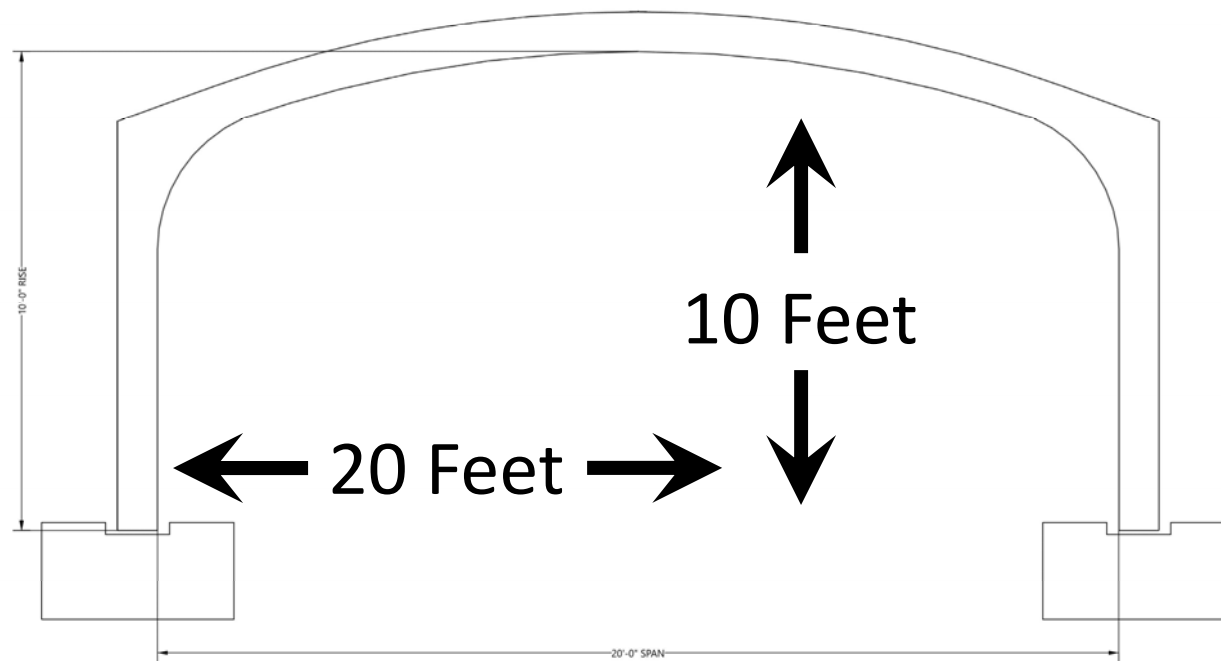
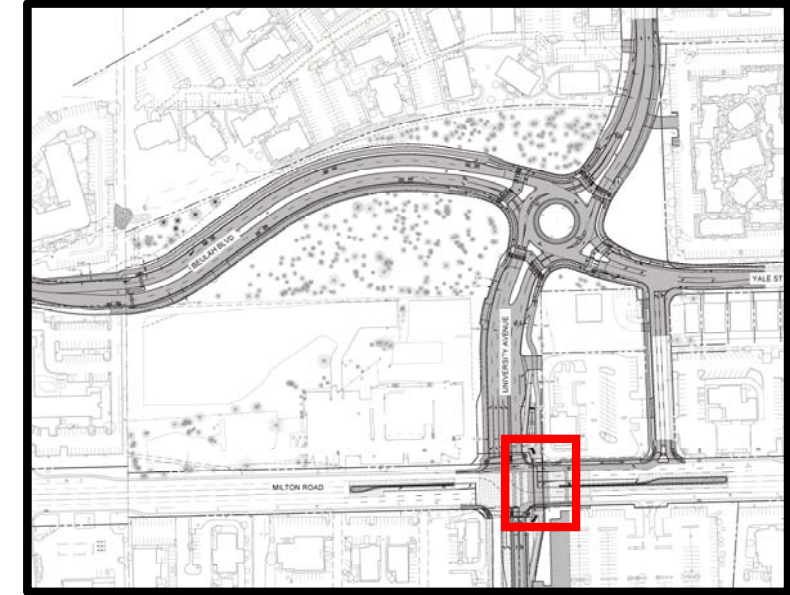


University Avenue (Current)



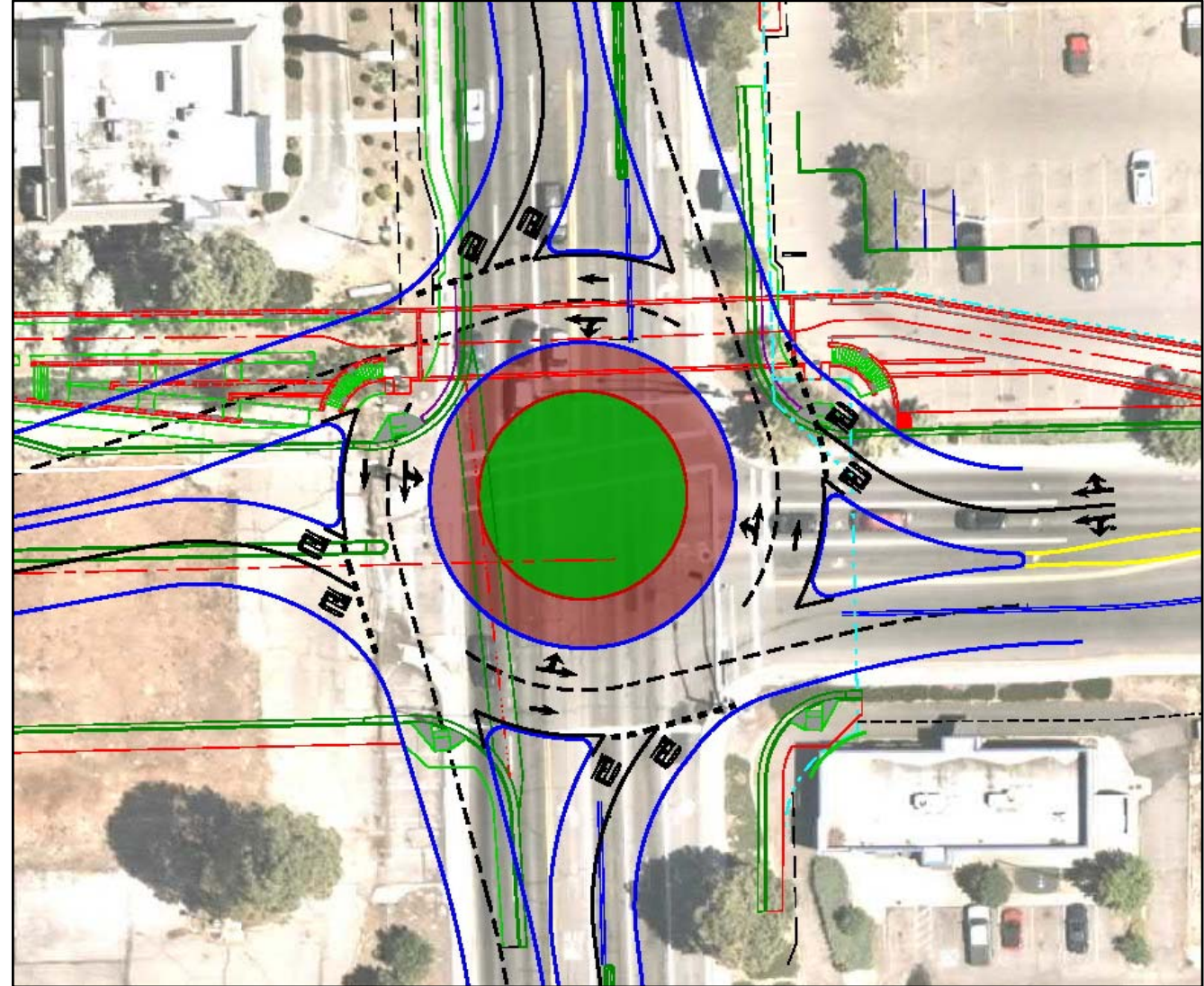
Pedestrian Underpass

- 20-Foot Width by 10-Foot Tunnel Height
- 114-Foot Tunnel Length
- Tunnel is Precast Concrete Sections
- Tunnel will have Lighting and Pump for Drainage



Milton/University Roundabout Study

- Looked at Four Scenarios
 - All Bike/Ped Traffic in Tunnel with No Surface Crossings
 - Surface Crossings on All Legs with HAWK Signals
 - Tunnel on the North with Three Other Legs having Surface Crossings
 - Tunnel on the North with Surface Crossings on the East and West Legs
- ADOT Currently Reviewing Report and in Talks with City Staff
- Due to Significant Project Impacts this is Excluded from Current Design



Comments and Questions

*A Special Thanks to
the Design Team
& Project Stakeholders*

