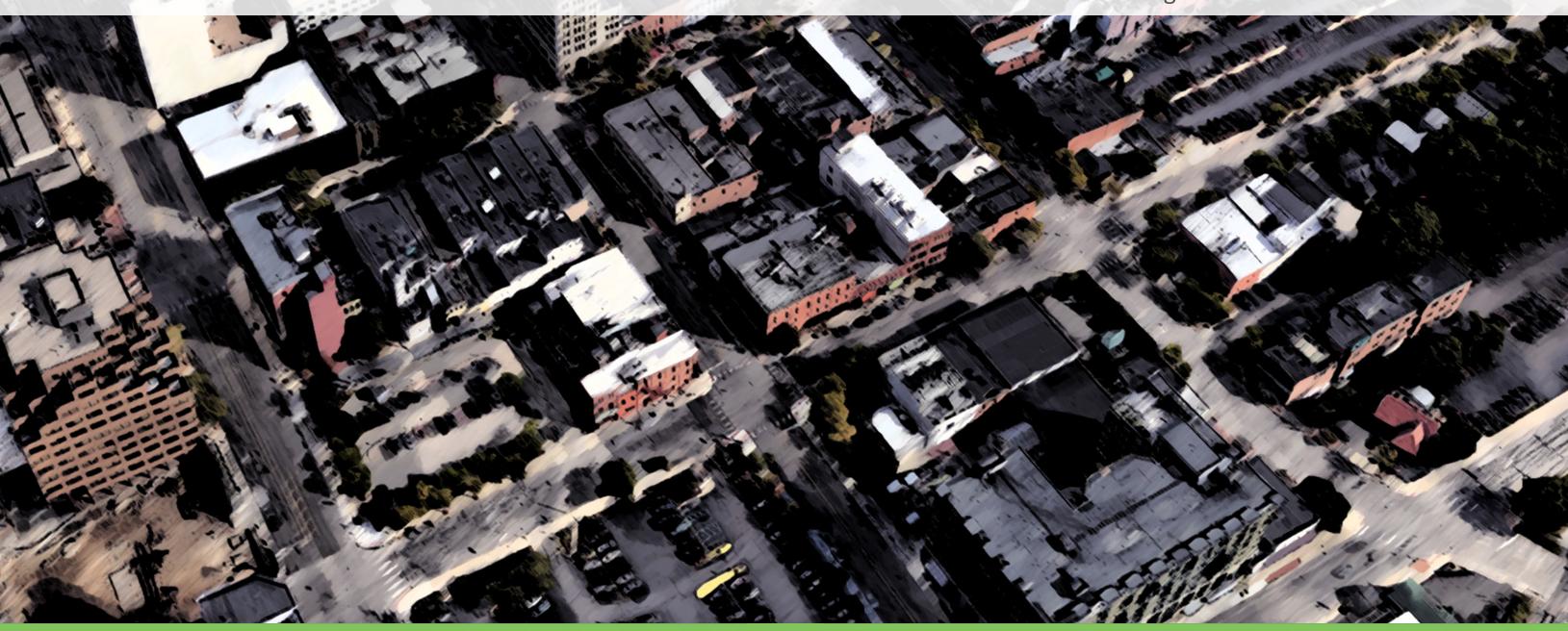


PEOPLE-FRIENDLY STREETS

# FIRST & ASHLEY PROJECT & WILLIAM STREET BIKEWAY

**ENGINEERING PHASE** 

DDA CIC meeting 2019.01.23



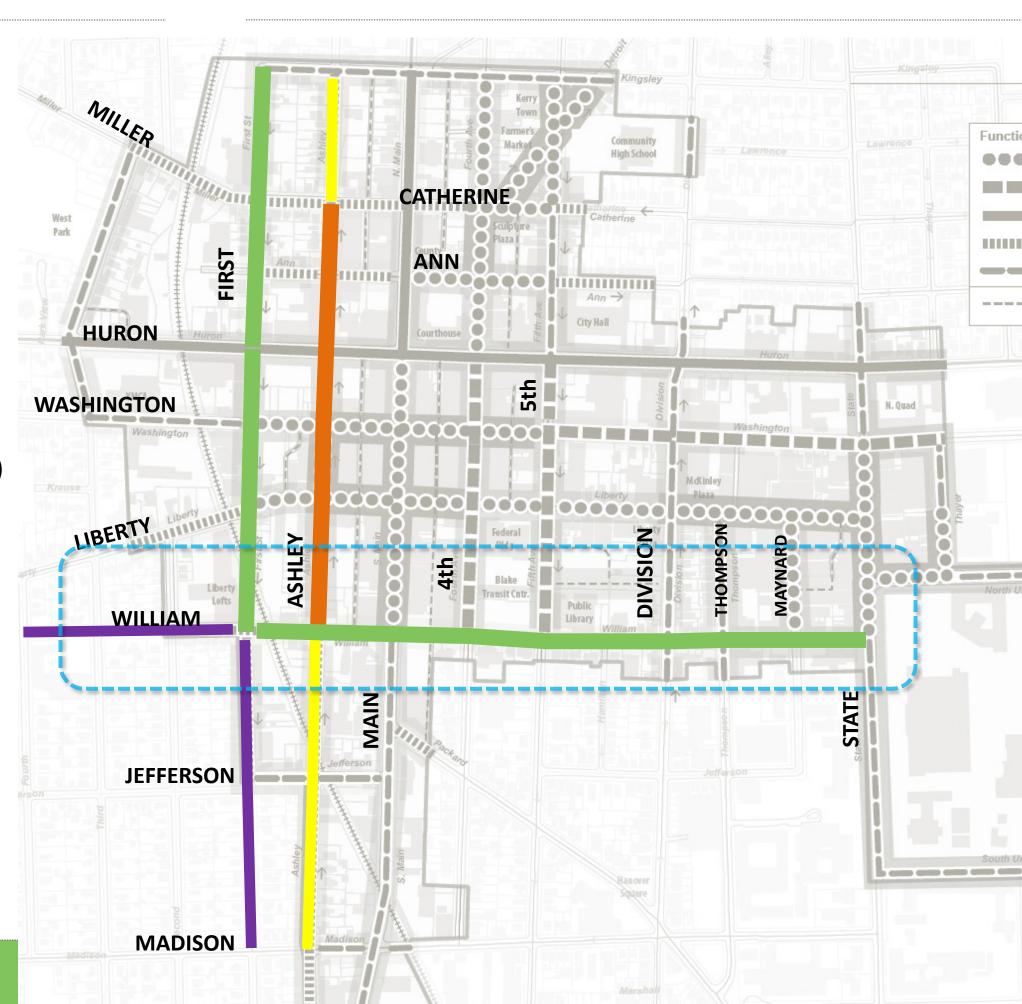
- Bikeway (2-way protected bike lane)
- Commercial Street (high viz sharrows)
- Neighborhood Street with Advisory Bike Lanes
- Neighborhood Street

#### **William Street = 2019 Construction**

- 2-way bikeway
- Road resurfacing
- Intersection improvements
- Watermain consolidation (city funded)

#### First & Ashley = 2020 Construction

- Two-way street restoration
- 2-way bikeway
- Streetscape improvements
- Resurfacing
- Watermain upsizing

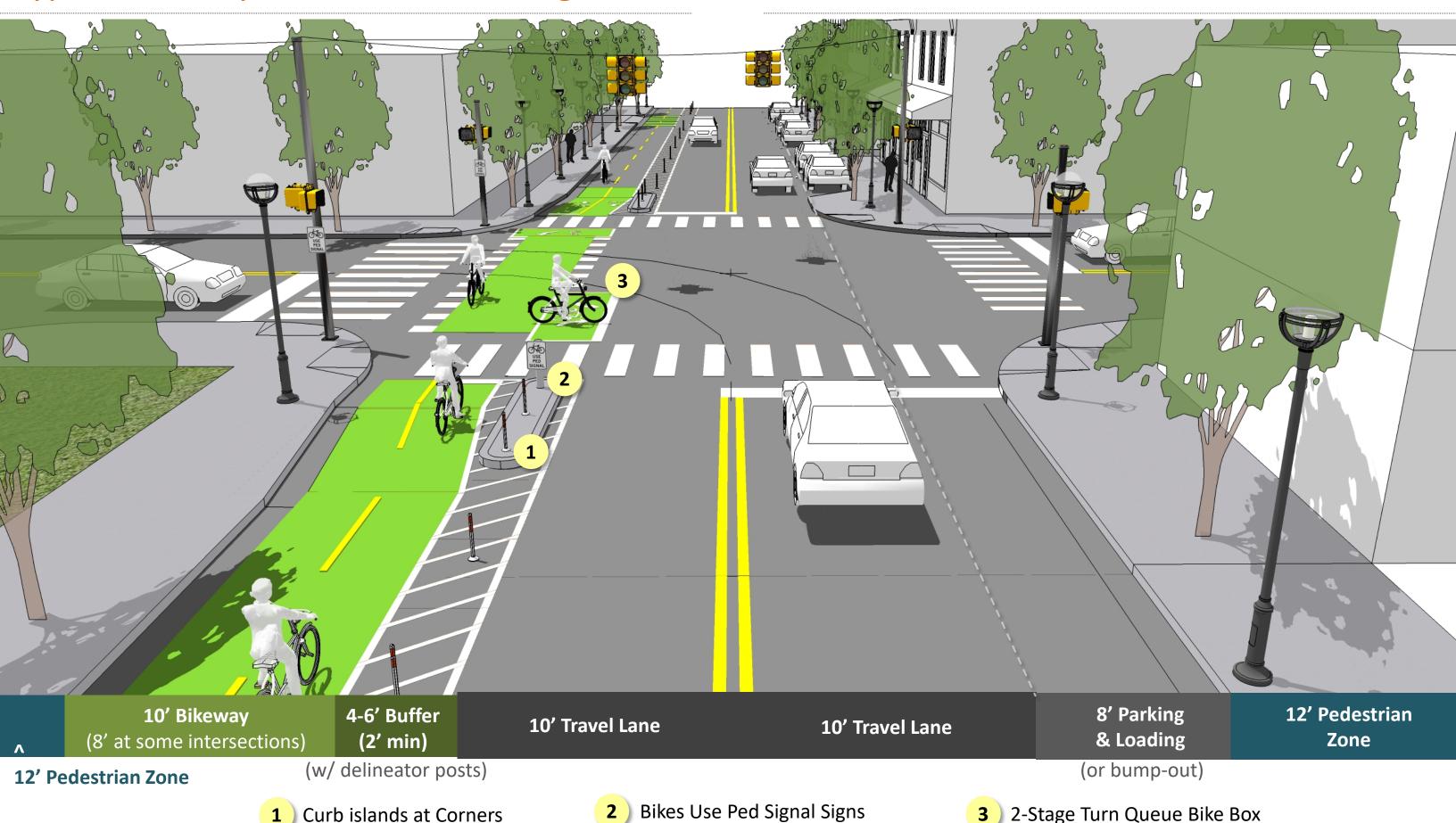


## William Street Bikeway

- February 18, 2019: Out for bid
- March 15th: Bid opening
- March 20 / April 3<sup>rd</sup>: CIC approval / Board approval
- Spring 2019 (May 1st): Construction begins
- 12-16 week construction period (estimated completion in September).

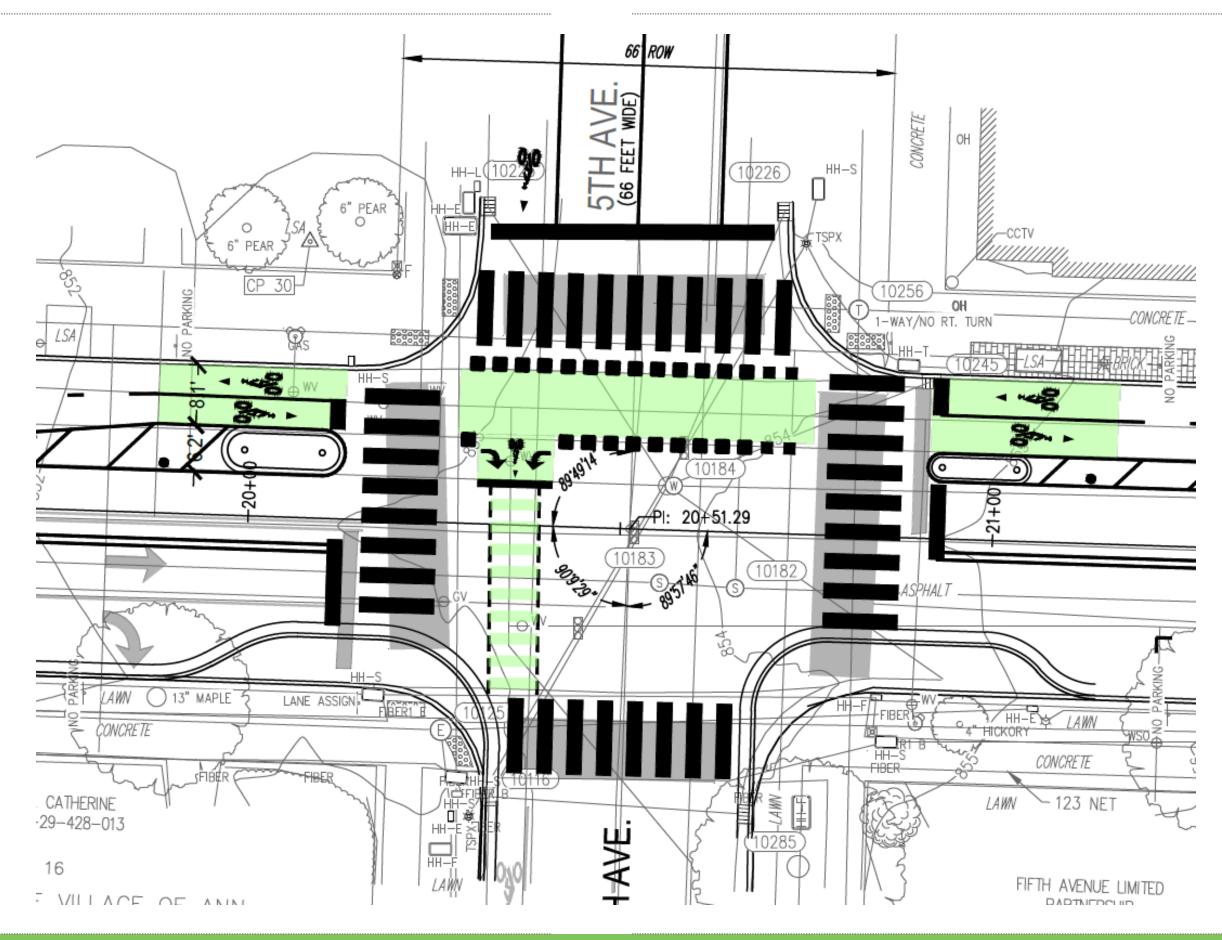
### Coordination

- AAATA / The Ride bus stop location adjustments
- Communication & Educational Program
- UM for bikeway connection onto campus
  - \* Shared concept design with UM
- MDOT railroad (for rail crossings)
  - \* Diagnostic meeting in January
- City Maintenance
  - \* Solid Waste & Snow Removal
- Ann Arbor District Library
- Adjacent neighbors, businesses, and stakeholders
- Other City Units / Street Design Team



1 Curb islands at Corners

**3** 2-Stage Turn Queue Bike Box



- Midblock = Delineator posts
  - Available in different colors depending on make (yellow, white, orange most common)
  - Could use different color at corner vs. at midblock locations
  - Curbed islands at corners will protect
    delineators from turning cars & snow plows
- At Corners = 10-15' section of raised curb island (width varies, 3'-4' typically) with delineator posts.

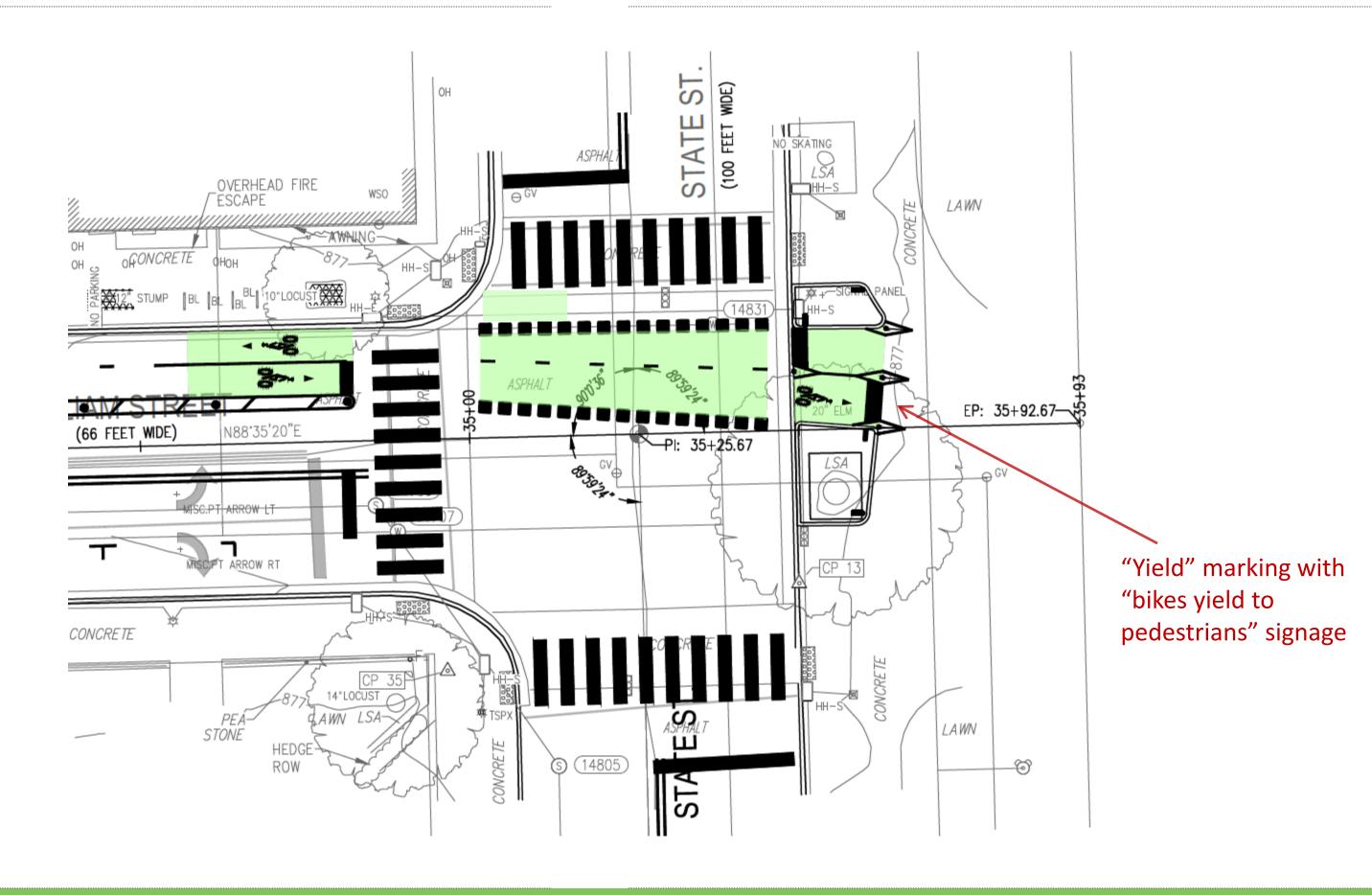






Screw-in delineator posts with cap (when posts removed)





#### **Planned Treatments**

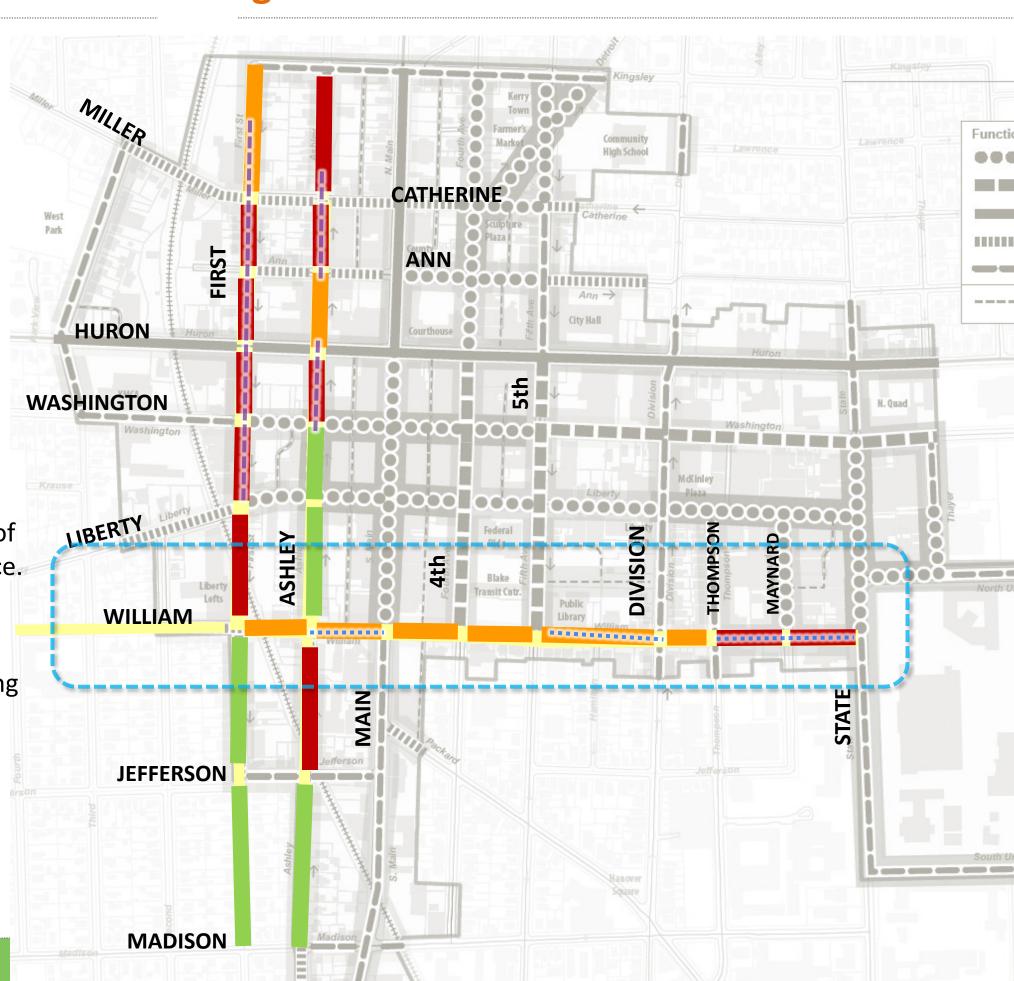
Mill & Resurface (3" typical)

Rehab

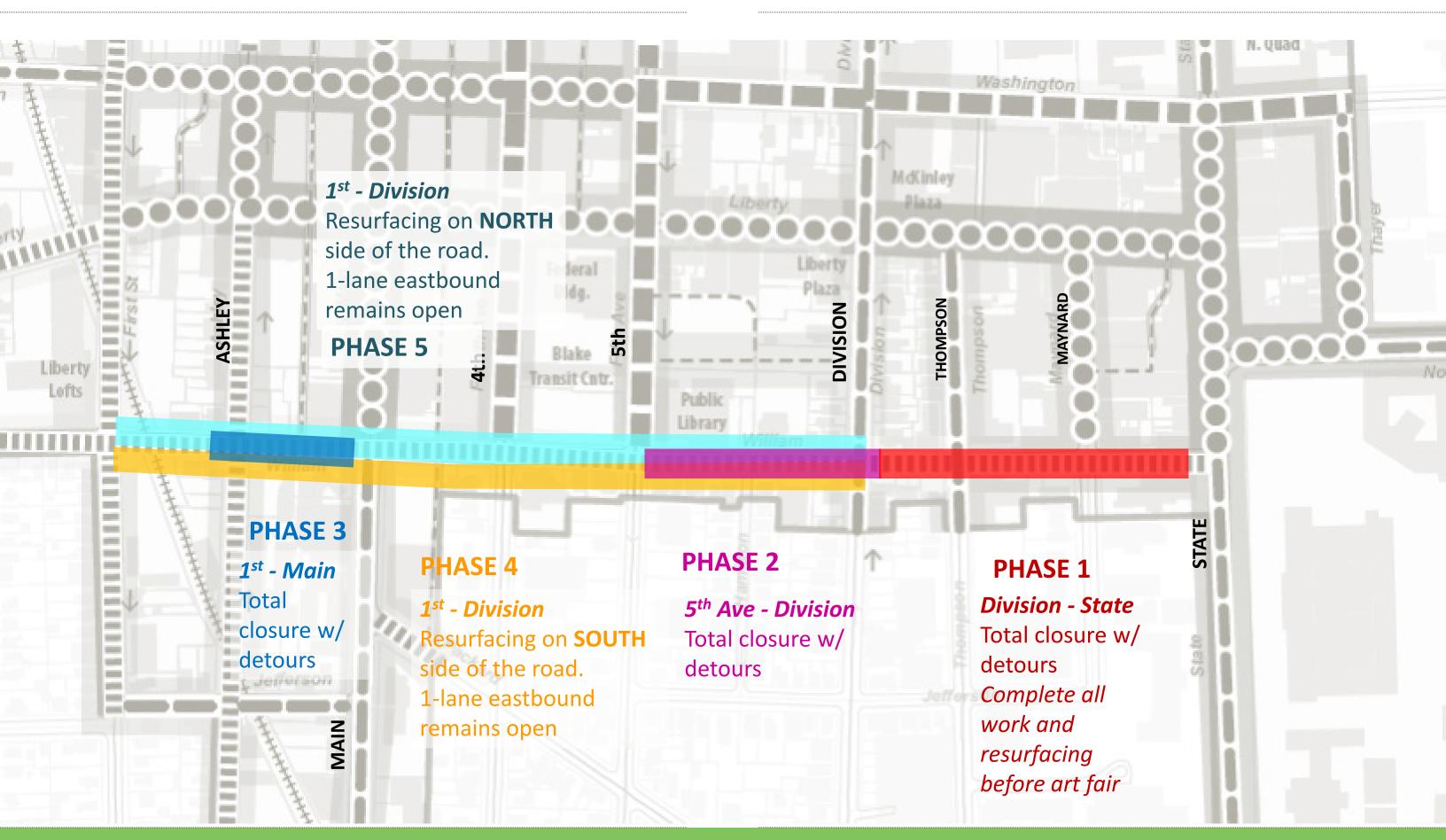
Cape Seal

Watermain Consolidation (William)

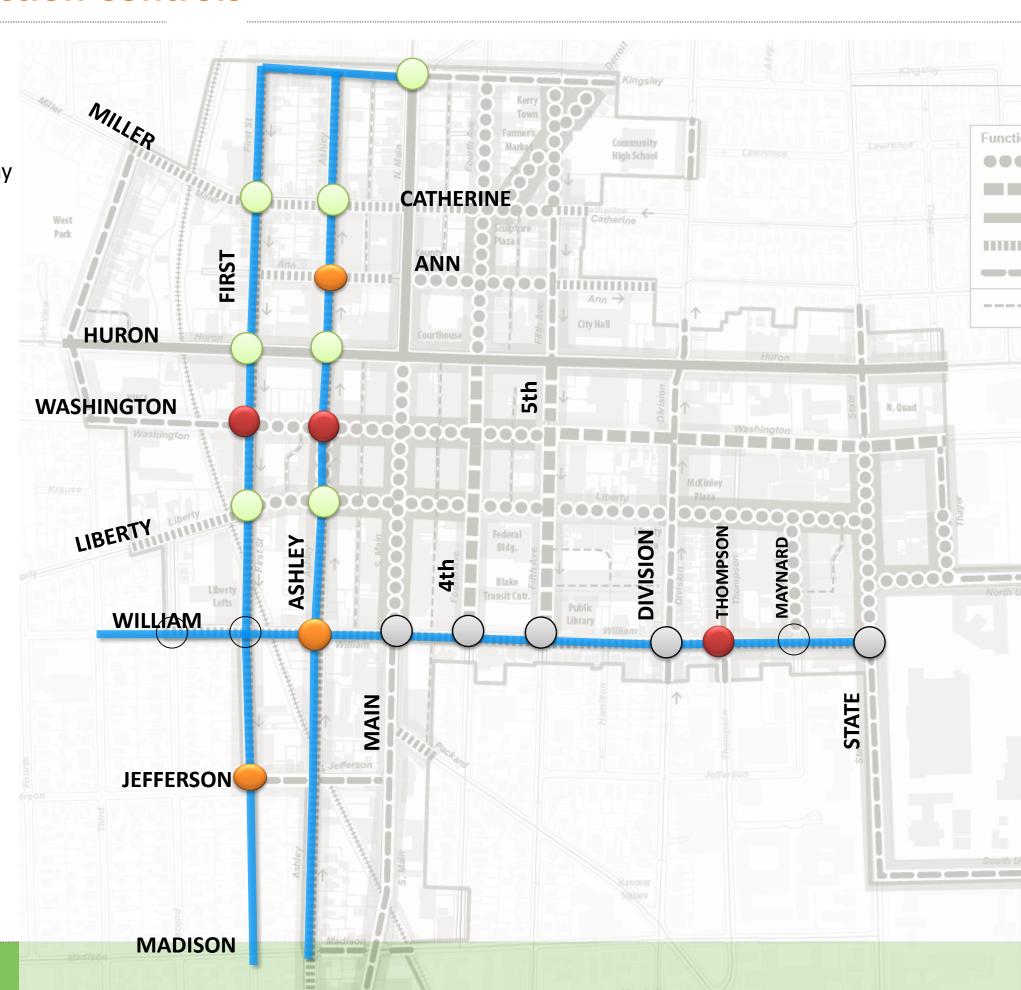
- Repaving is important due to creation of bikeway and desire for a smooth surface.
- Pavement marking durability better on newly paved streets
- DDA is coordinating w/ City's resurfacing program to share costs for repaving.







- PLANNED signal to 4-way stop
- PLANNED 2-way to 4-way stop sign
- Signalized intersection adjustment to two-way traffic
- Signalized intersection unchanged
- All-way Stop sign controlled intersection unchanged



Curb adjust: widen roadway (for bikeway accommodation)

**Curb adjust:** narrow roadway (for more sidewalk/streetscape space)

Streetscape enhancement A (street trees, street lighting, sidewalk rehab)

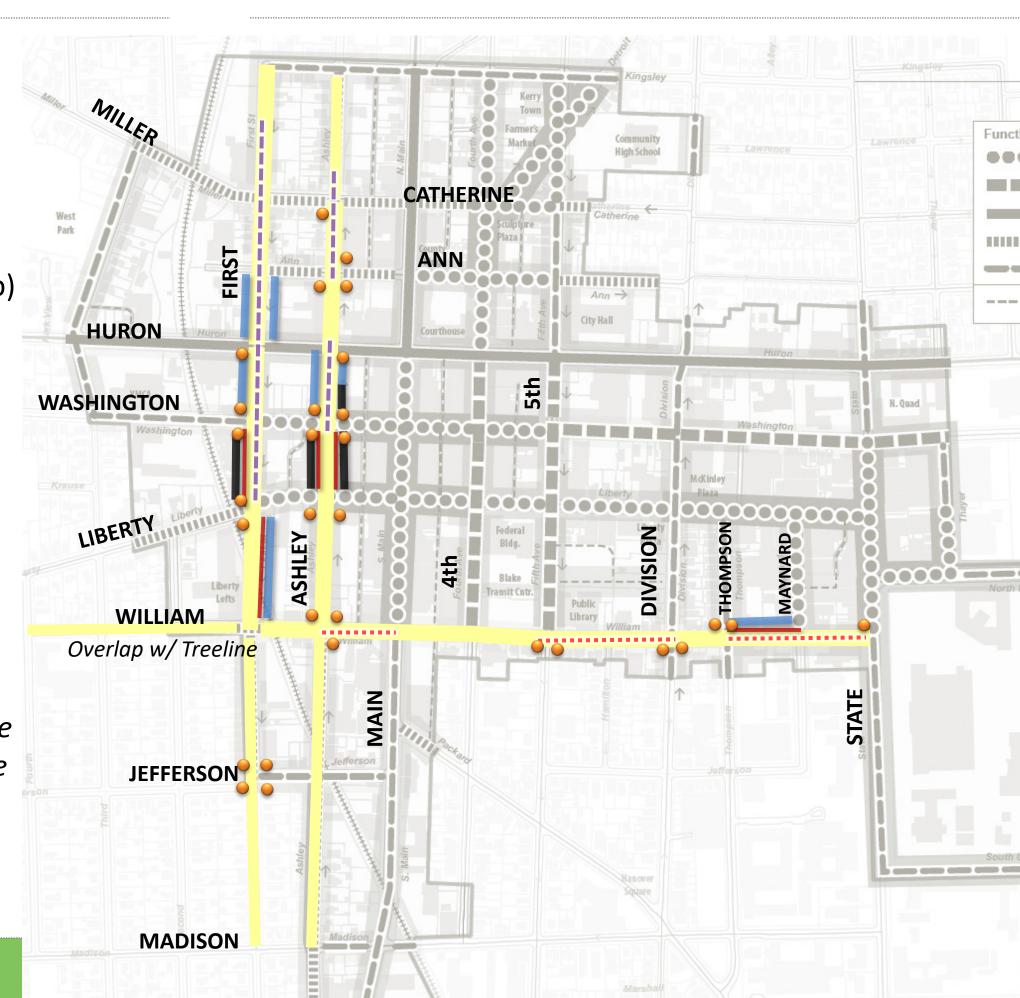
Streetscape enhancement B (tree replacement as needed, street lighting, sidewalk repair as needed)

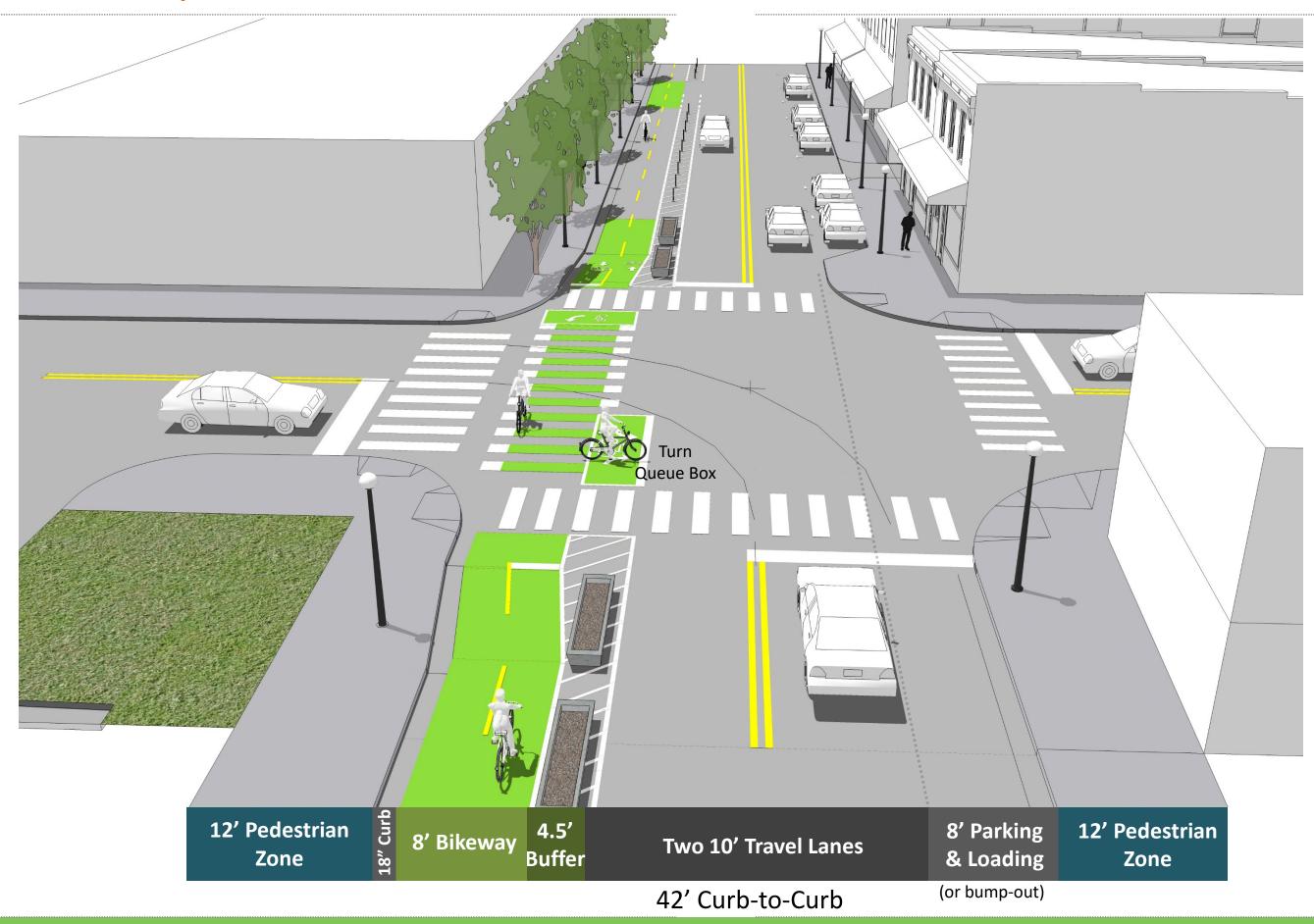
Water main upsizing

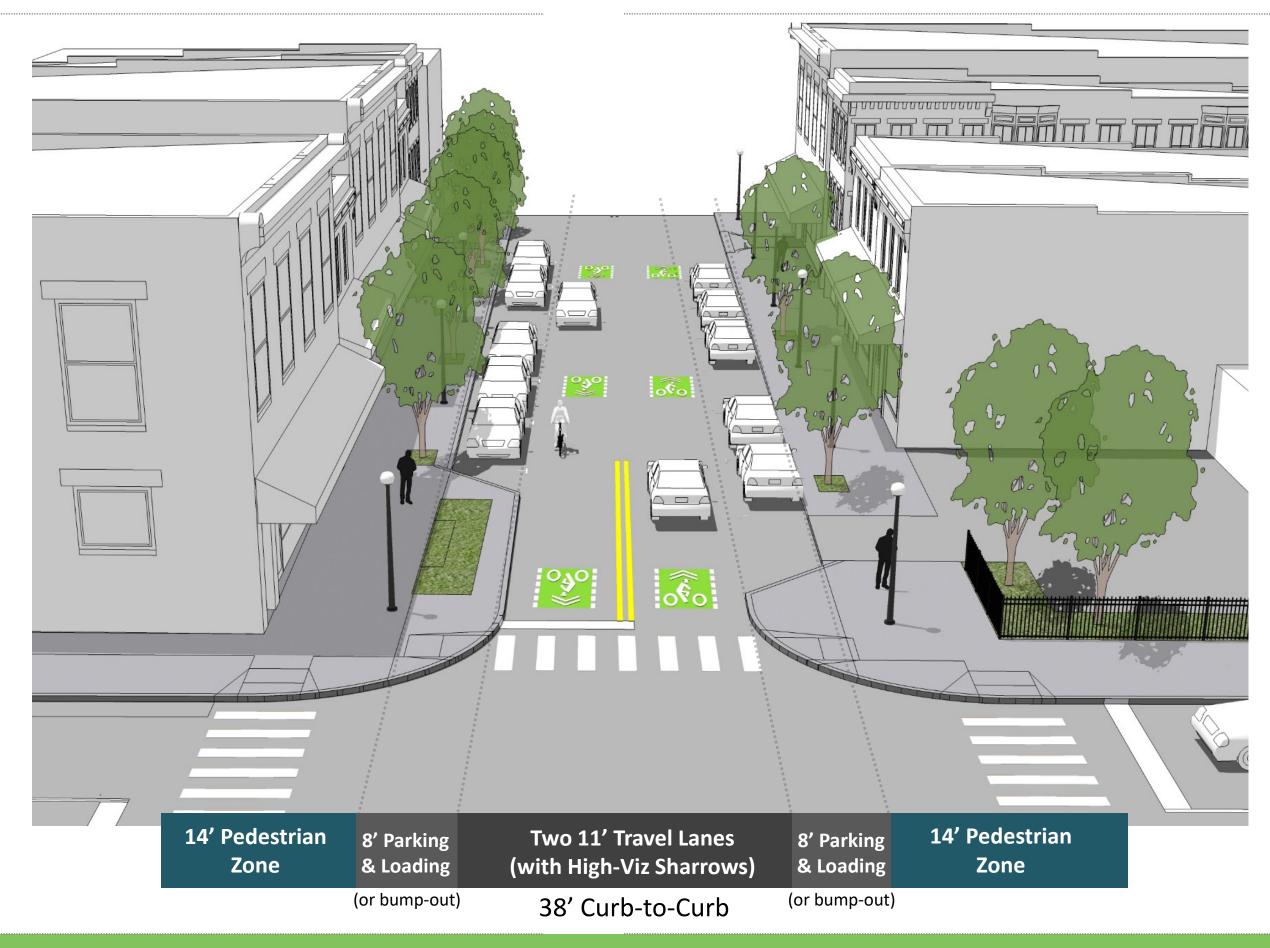
Water main consolidation (city funded)

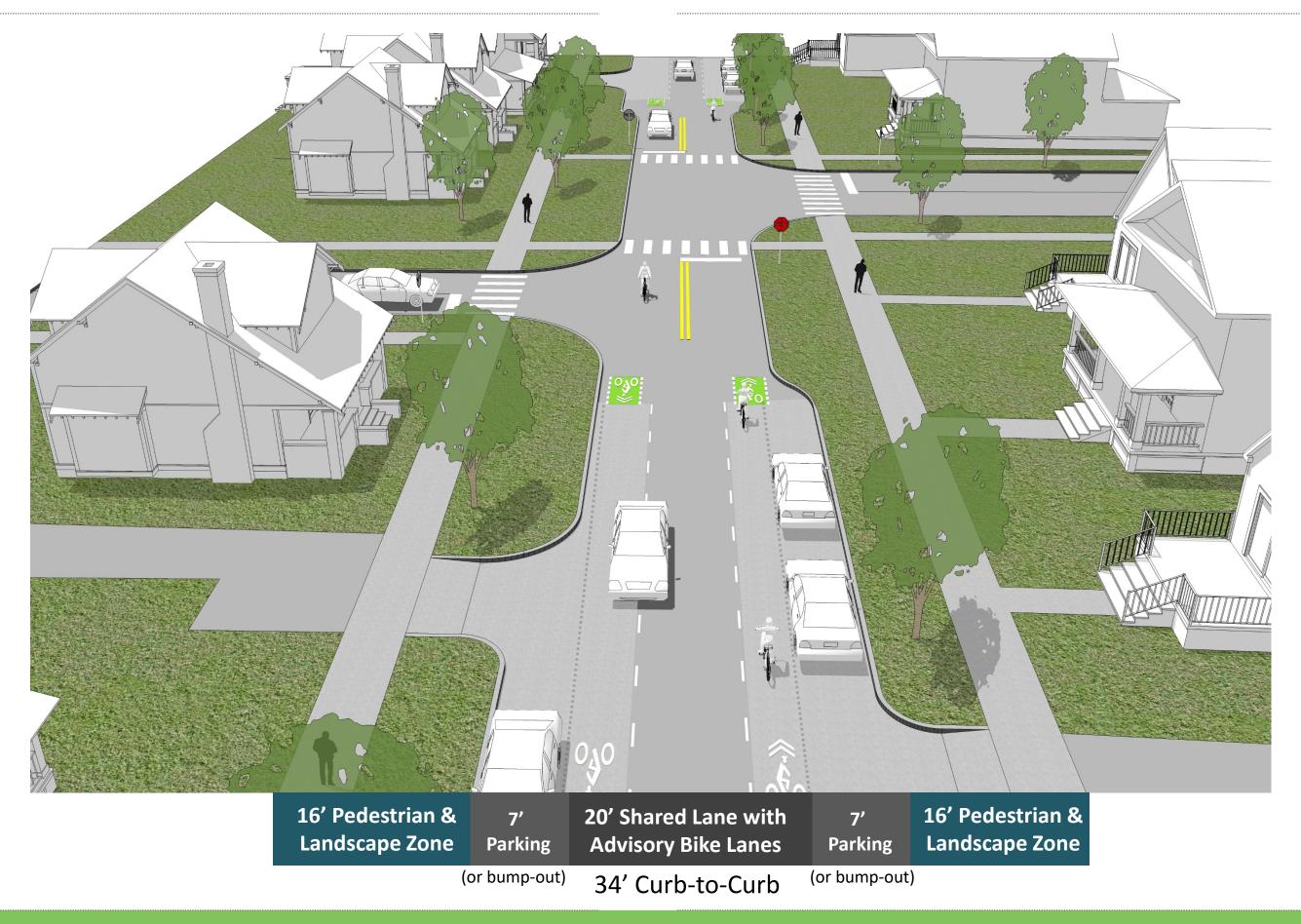
Corner Bumpouts

The exact extend/limit of streetscape enhancement will continue to evolve as the budget allows.









#### • Refuse Service

- Buffer widths of 3' or more can accommodate hand carts within the buffer zone
- Narrow buffers will require staging carts behind the curb. Very little of this condition present.





## Snow Clearing

- Snow can be piled on buffer and/or behind the curb.
- Minimum bikeway width = 8' throughout corridor, with a 4-6' wide buffer.
- Plowing sequence (roadway first then bikeway with smaller plows