

M-5 /  
GRAND  
RIVER  
AVENUE

MDOT  
&  
CITY OF DETROIT  
  
STREETSCAPE  
NEIGHBORHOOD  
FOCUS GROUP

1 May 2019  
CROWELL RECREATION  
CENTER  
6:00-7:30 PM



[www.detroitmi.gov/northwest](http://www.detroitmi.gov/northwest)

# M-5 / GRAND RIVER AVE.

## AGENDA

- Quick Project Overview – 5 min
- Final Design – 10 min
- Construction Phasing Overview – 10 min
- Watermain Project Overview – 20 min
- Q & A – 15 min
- Open House Review – until 7:30pm

# M-5 GRAND RIVER AVENUE MDOT ROADWAY & STREETScape PROJECT

## Project Area

**2.8 Miles**

Berg Rd to Southfield Fwy

## Streetscape Nodes

**1 0.45 Miles**

Cooley to McNichols

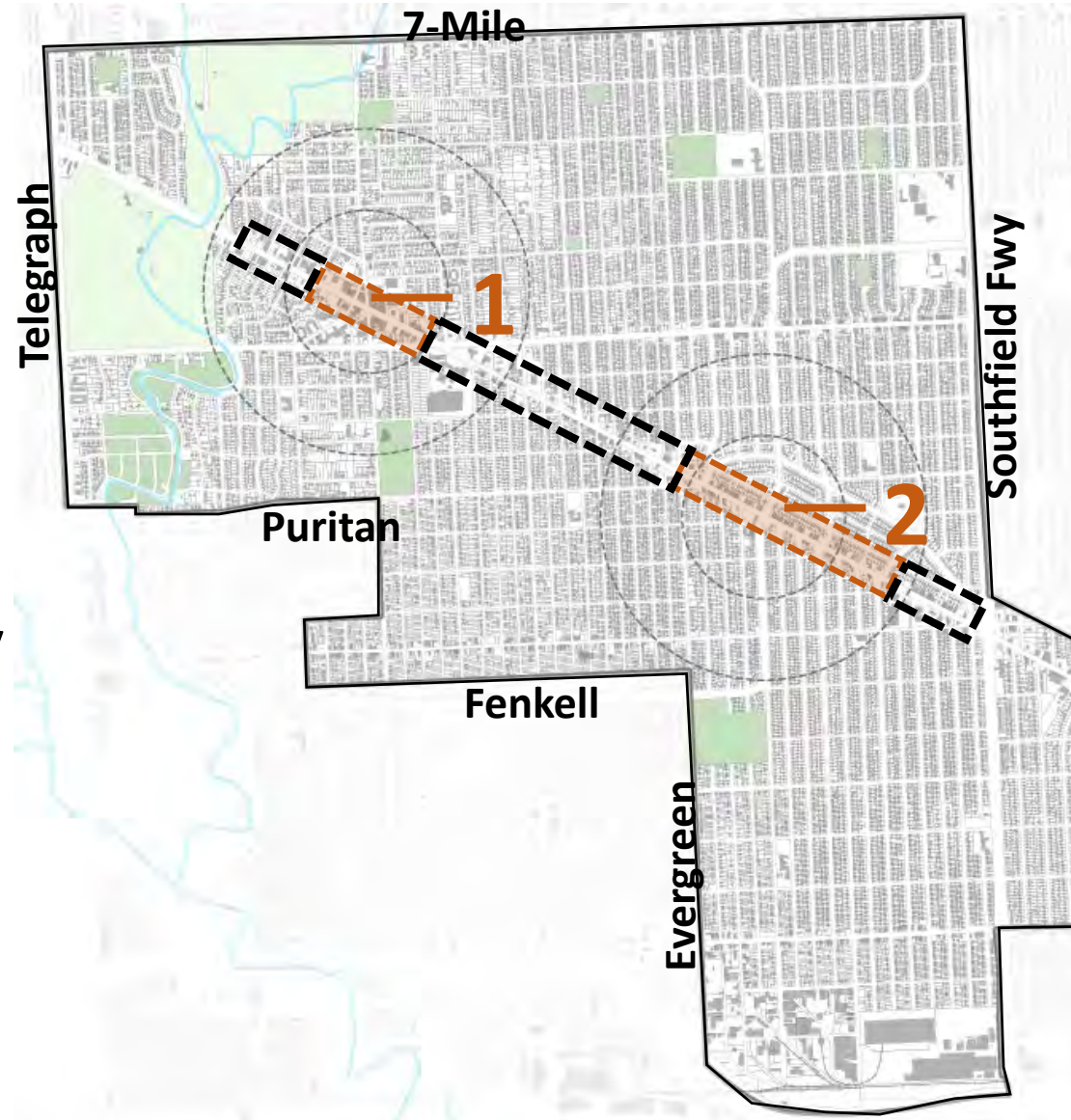
**2 0.75 Miles**

Evergreen to Glastonbury

**\$8 Million Road  
Investment**

**State Contribution: \$7M**

**City Contribution: \$1M**



# SCHEDULE

## DESIGN PROCESS (6 Months)

**Nov. 2018 – Apr. 2019**

## CONSTRUCTION

**2019-2020**

**TODAY**

**Pre-Launch Informational Meeting**  
Oct. 22, 2018  
Oct. 23, 2018

**CONCEPT Design Review**  
**Dec. 13, 2018**

- Road Section Options
- Potential Pedestrian Crossings

**INTERIM Design Review**  
**Feb. 5, 2018**

- Preferred Street Section
- Preferred Pedestrian Crossings
- Streetscape Amenities

**OLD REDFORD Detail Review**  
**March 7th**

**GRANDMONT ROSEDALE Detail Review**  
**March 6th**

**FINAL Design Presentation**  
**May 1, 2018**

- Final Design
- Watermain Replacement Overview
- Construction Management & Staging

**MDOT Contracting**  
**May-June 2019**

**Contractor Award / Pre-Construction Public Meeting**  
**Early July 2019**

**PHASE 1**  
**July 2019 – Nov. 2019**

**PHASE 2**  
**April 2020 – Nov. 2020**





# Neighborhood Planning Pre-Design Feedback



**February 2017 Meeting with 104 Attendees**



**March 2017 Meeting with 80 Attendees**



**April 2017 Open House with 90 Attendees**



**October 2018 Informational: 111 Attendees**



# MDOT Community Feedback Sessions



December 13, 2018

- Street Section & Crossings
- 120 Survey Responses



February 5, 2019

- Crossing Design & Amenities
- 86 Survey Responses

**Pedestrian Crossings:** Additional crossings and safety at existing crossing is a top priority of project

**Streetscape Amenities:** Support pedestrians and transit users, cluster around businesses & transit, allow branding to follow

**Parking:** Minimizing impact to street parking in front of businesses without off-street lots is a priority

**Landscape:** Design needs to consider maintenance & visibility, and be coordinated with businesses & community organizations

# FINAL DESIGN



# STREET SECTION: BUMPOUTS & STRIPING

**BIKE  
SIGNAL**

**2-WAY BIKE  
LANE**

**LANDSCAPE CROSSWALK  
ISLAND**

**CURB  
BUMP-OUT**



**REDUCED CROSSING  
DISTANCE: 40 FEET**



# 2-WAY BIKE LANES (CYCLE TRACK)

**BIKE  
SYMBOLS**

**PROTECTED  
BUFFER**

**GREEN  
PAINT**

**BIKE  
BOLLARD**





# DESIGNATED BUS STOP ISLANDS

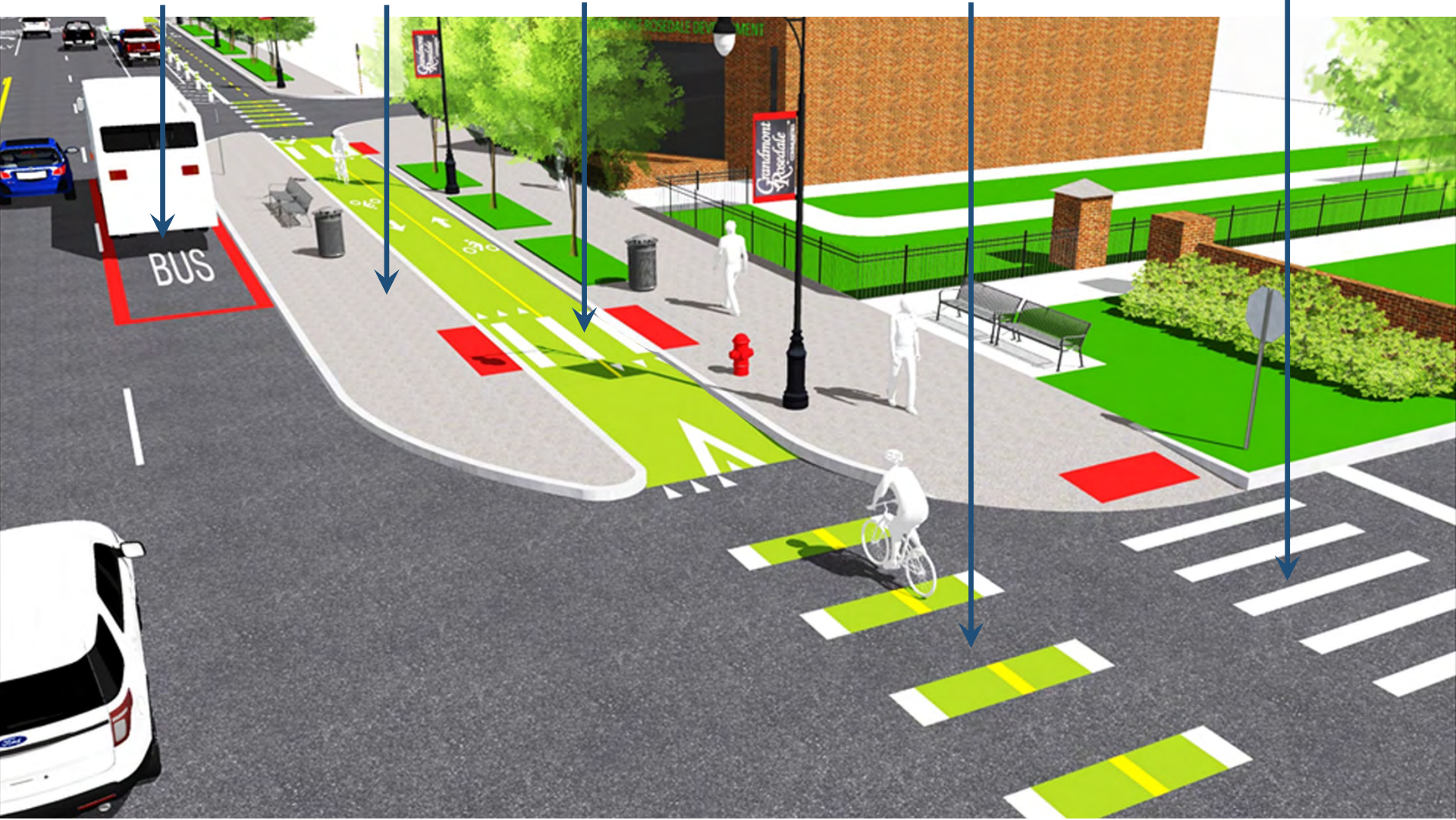
PAVEMENT MARKINGS

BUS ISLAND

PEDESTRIAN CROSSING

2-WAY BIKE LANE

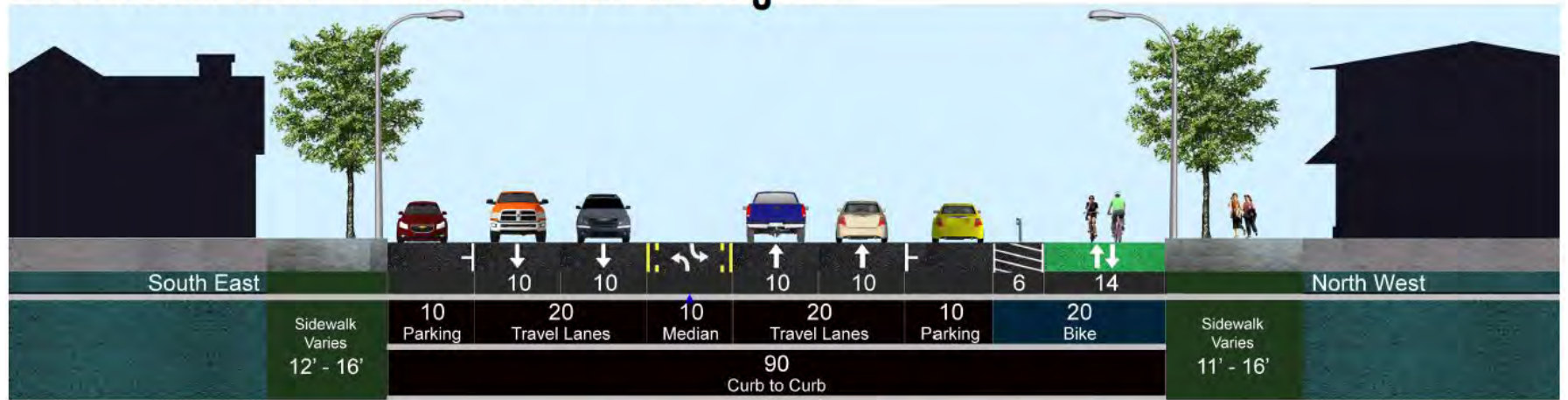
CROSSWALK



▪ Bus Stops on NORTH side of Grand River Ave.

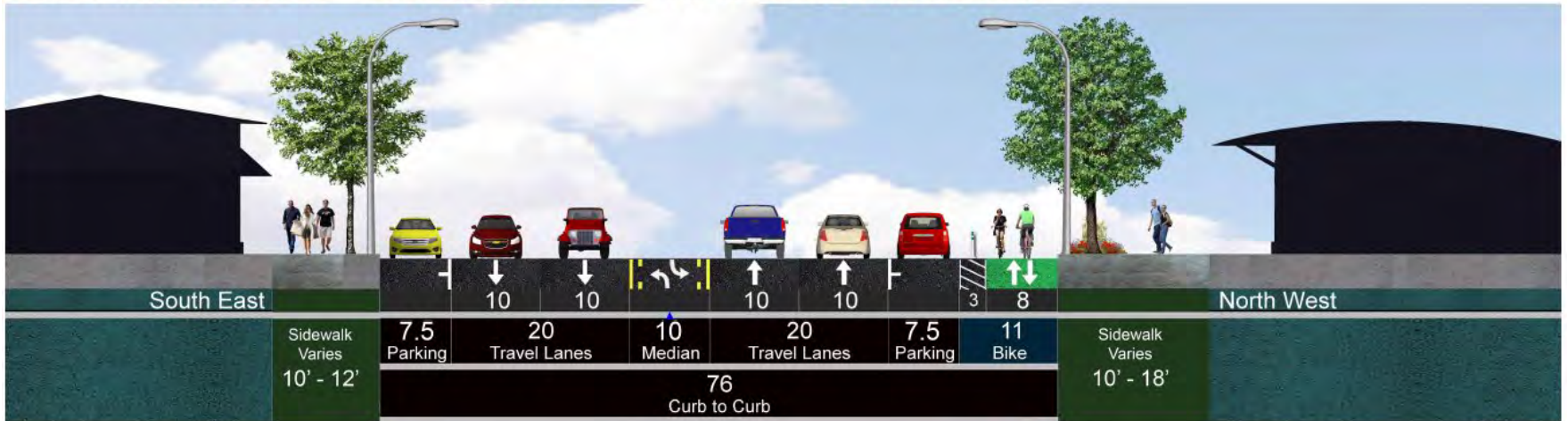


# West Grand River - McNichols Rd. to Berg Rd.





# West Grand River - Southfield / M-39 to McNichols Rd.



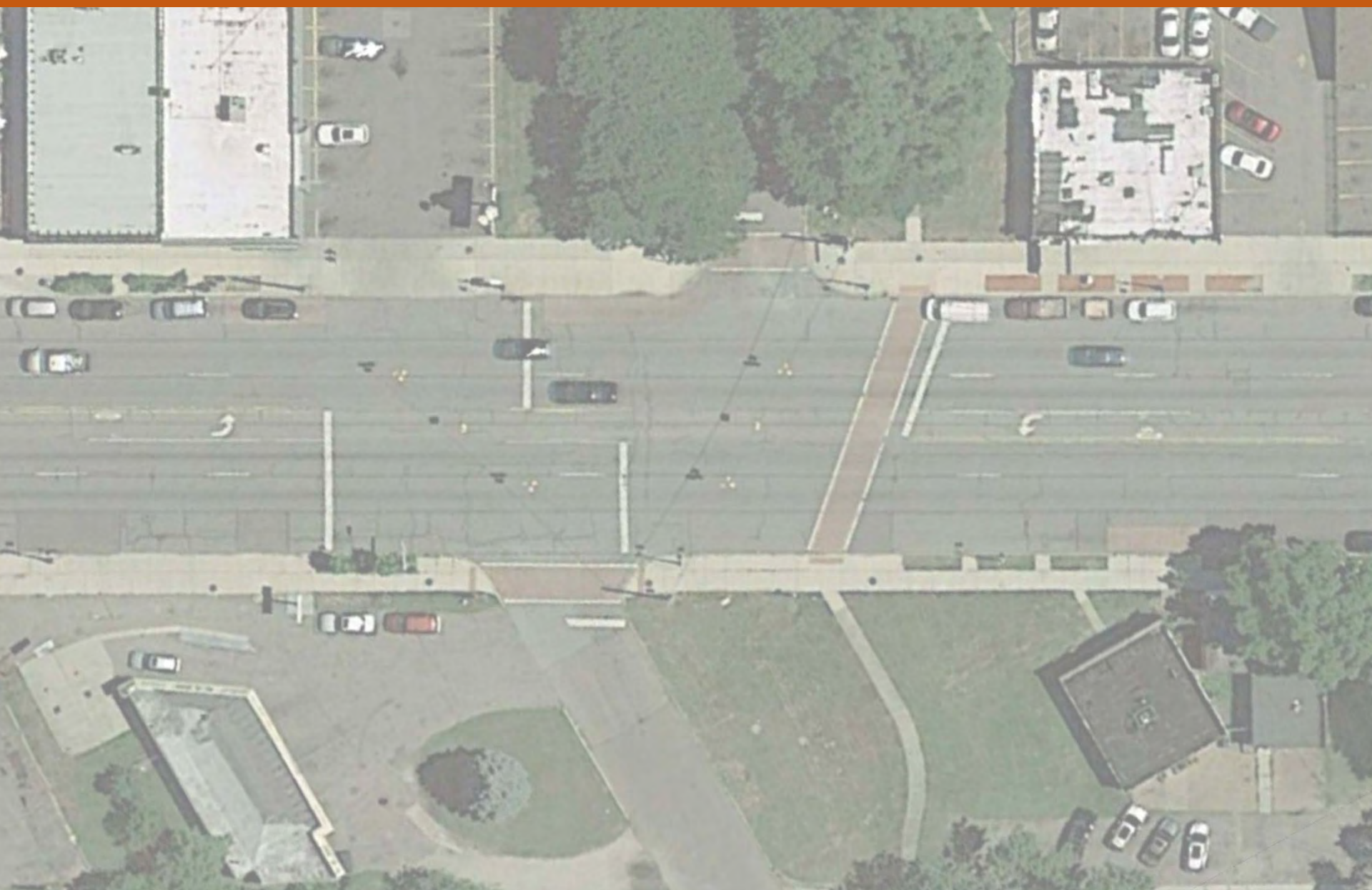


# PEDESTRIAN CROSSINGS: EXISTING





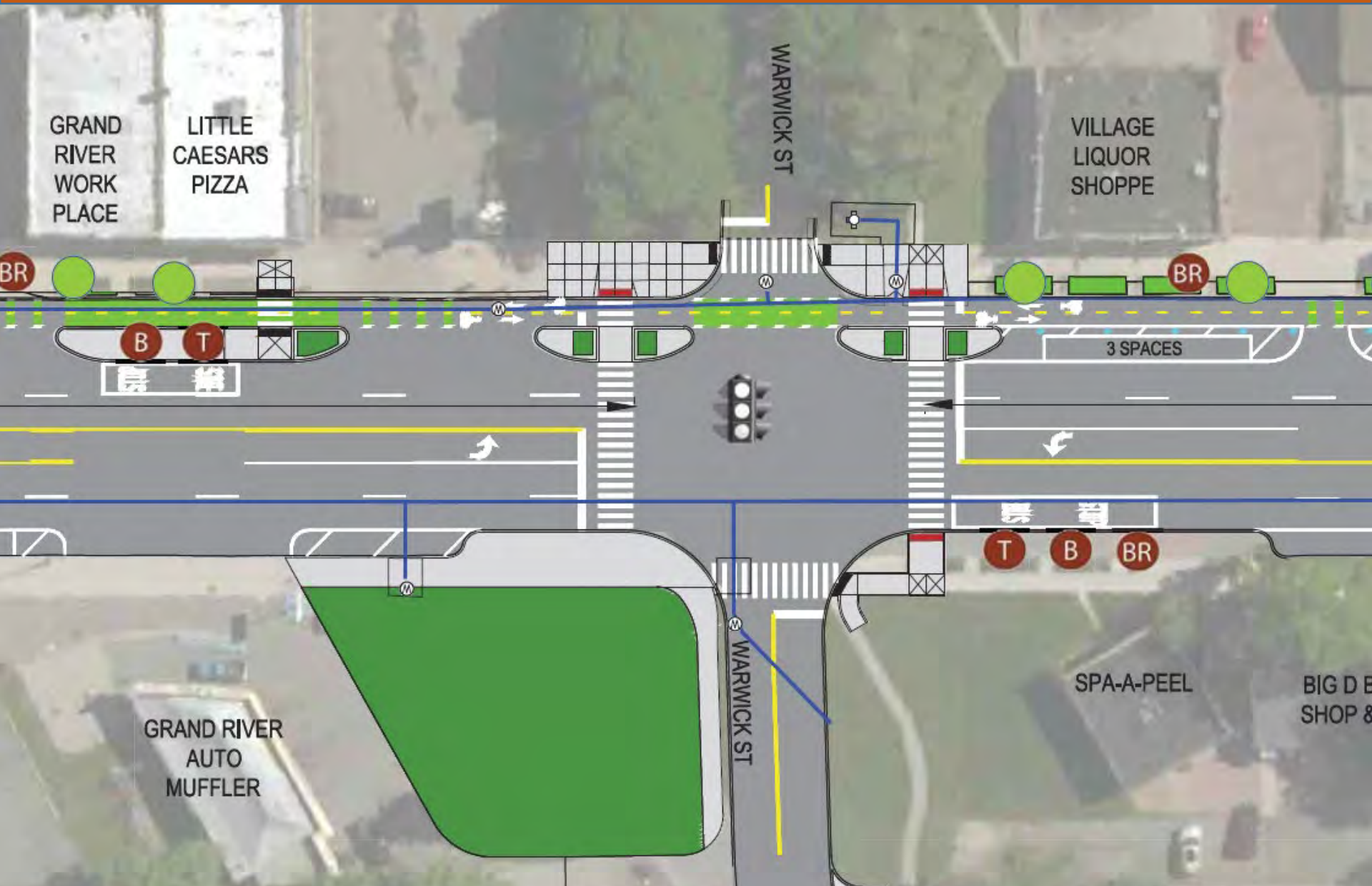
# MODIFIED INTERSECTIONS



WARWICK STREET RE-ALIGNMENT

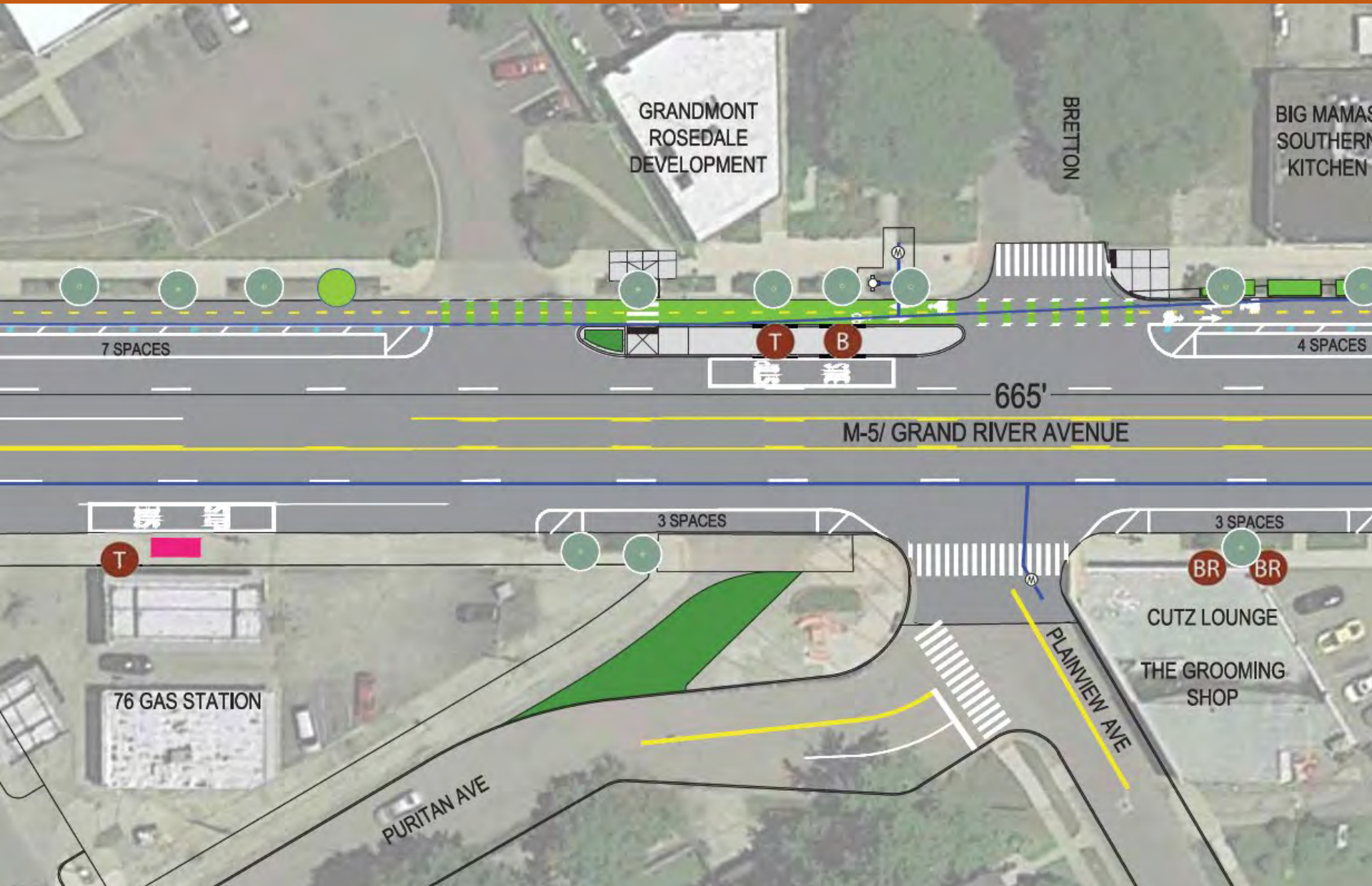


# MODIFIED INTERSECTIONS



WARWICK STREET RE-ALIGNMENT

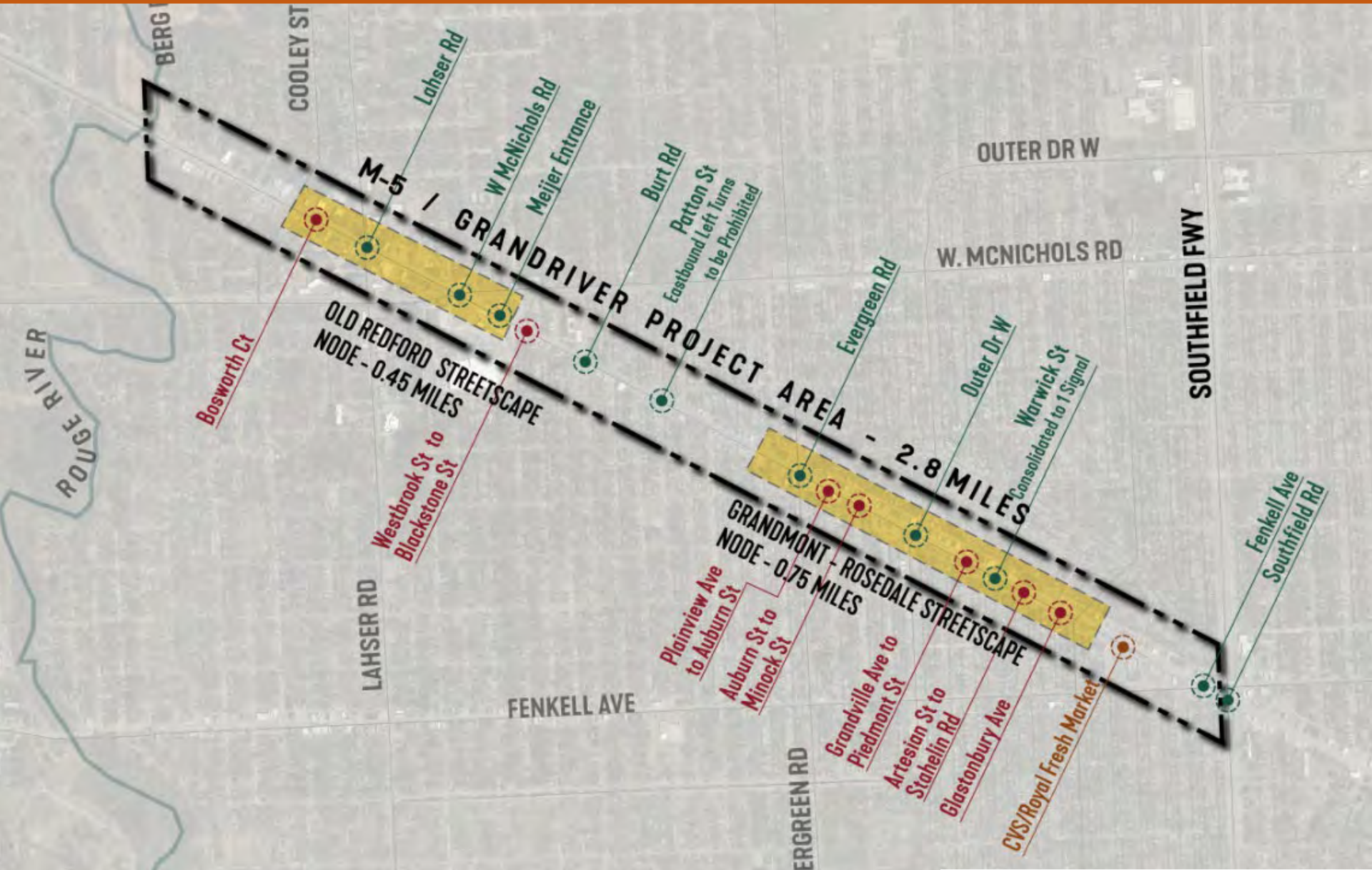
# MODIFIED INTERSECTIONS



PURITAN STREET CLOSURE - Future Grand Parklet



# PEDESTRIAN CROSSINGS: Overview












- EXISTING SIGNALIZED INTERSECTION
- PROPOSED CROSSING - WITH SIGNAL (1 LOCATION)

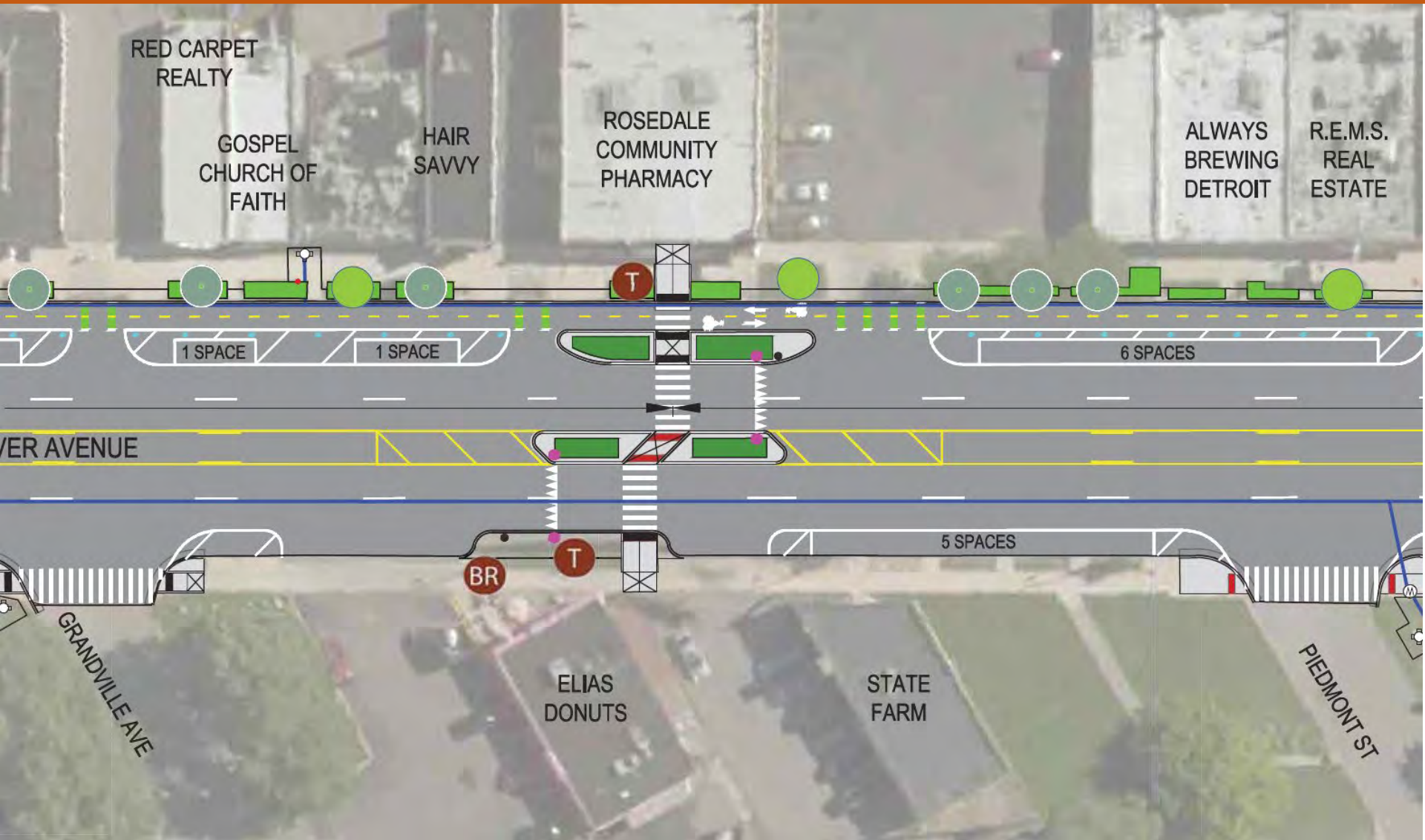


# NEW SIGNALIZED INTERSECTION: 1



-  TREES IN GRATES
-  EXISTING TREES
-  EXISTING TREES TO REMOVE
-  PROPOSED TREES IN LAWN PANELS
-  POTENTIAL LANDSCAPE ISLANDS OR TURF ISLANDS
-  19 BIKE RACKS
-  10 BENCHES
-  23 TRASH RECEPTACLES
-  BUS SHELTERS

# NEW PEDESTRIAN CROSSINGS



- RAPID FLASHING BEACON CROSSING SIGNS** (Pink circle)
- STOP FOR PEDESTRIAN SIGNS** (Black circle)
- BIKE LANE BOLLARDS** (Blue circle)
- EXISTING FIRE HYDRANTS** (Red circle)
- WATER MAIN** (Blue line)





# NEW PEDESTRIAN CROSSING: RAPID FLASHING BEAC





# LANDSCAPING & AMENITIES



-  TREES IN GRATES
-  PROPOSED TREES IN LAWN PANELS
-  EXISTING TREES
-  EXISTING TREES TO REMOVE
-  POTENTIAL LANDSCAPE ISLANDS OR TURF ISLANDS
-  19 BIKE RACKS
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DE'S PIZZA \$9.99  
4-5555

OLD  
REDFORD

BEER  
LOT

LIQUOR  
PIZZA SLICES  
LOTTO

BEER 5-1-0

ONLY

BUS



# STREETSCAPE DESIGN ELEMENTS



# ROAD STRIPING



**ZEBRA CROSSWALKS  
& STRIPED PARKING**



**PROTECTED BIKE  
LANES**



# NEW BUS SHELTERS



- LAHSER (WB)
- MCNICHOLS (EB)



- EVERGREEN (EB /WB)
- ASHTON (EB)



# STREETSCAPE FURNITURE



**TRASH CANS**

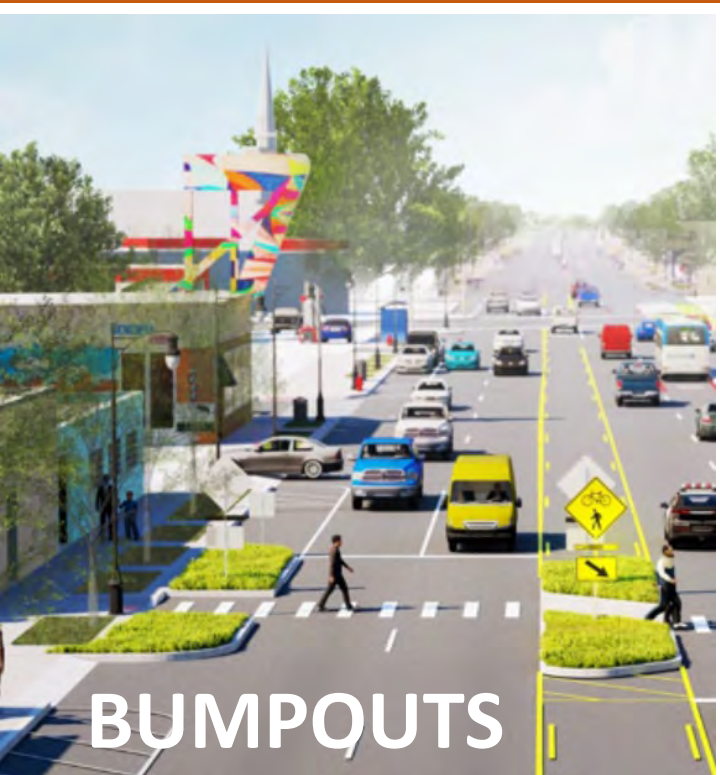


**BENCHES**



**BIKE RACKS**

# LANDSCAPING & STREET TREE: LOCATIONS



**BUMPOUTS**



**SIDEWALKS**



**LAWN PANELS**



# LANDSCAPING: OPTIONAL PLANTINGS



*Panicum virgatum*  
'Shenandoah'



*Panicum virgatum*  
'Rehbraun'

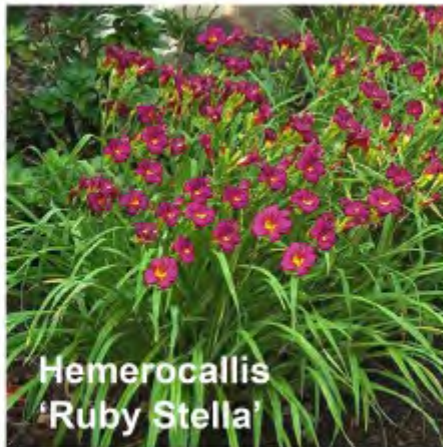


In Winter

## Switch Grass



*Hemerocallis*  
'Happy Returns'



*Hemerocallis*  
'Ruby Stella'



*Hemerocallis*  
'Orange Smoothie'

## Daylilies



*Spiraea japonica* 'Gold Mound'



*Spiraea japonica*  
'Anthony Waterer'



*Calamagrostis x acuti-*  
*flora* 'Karl Foerster'

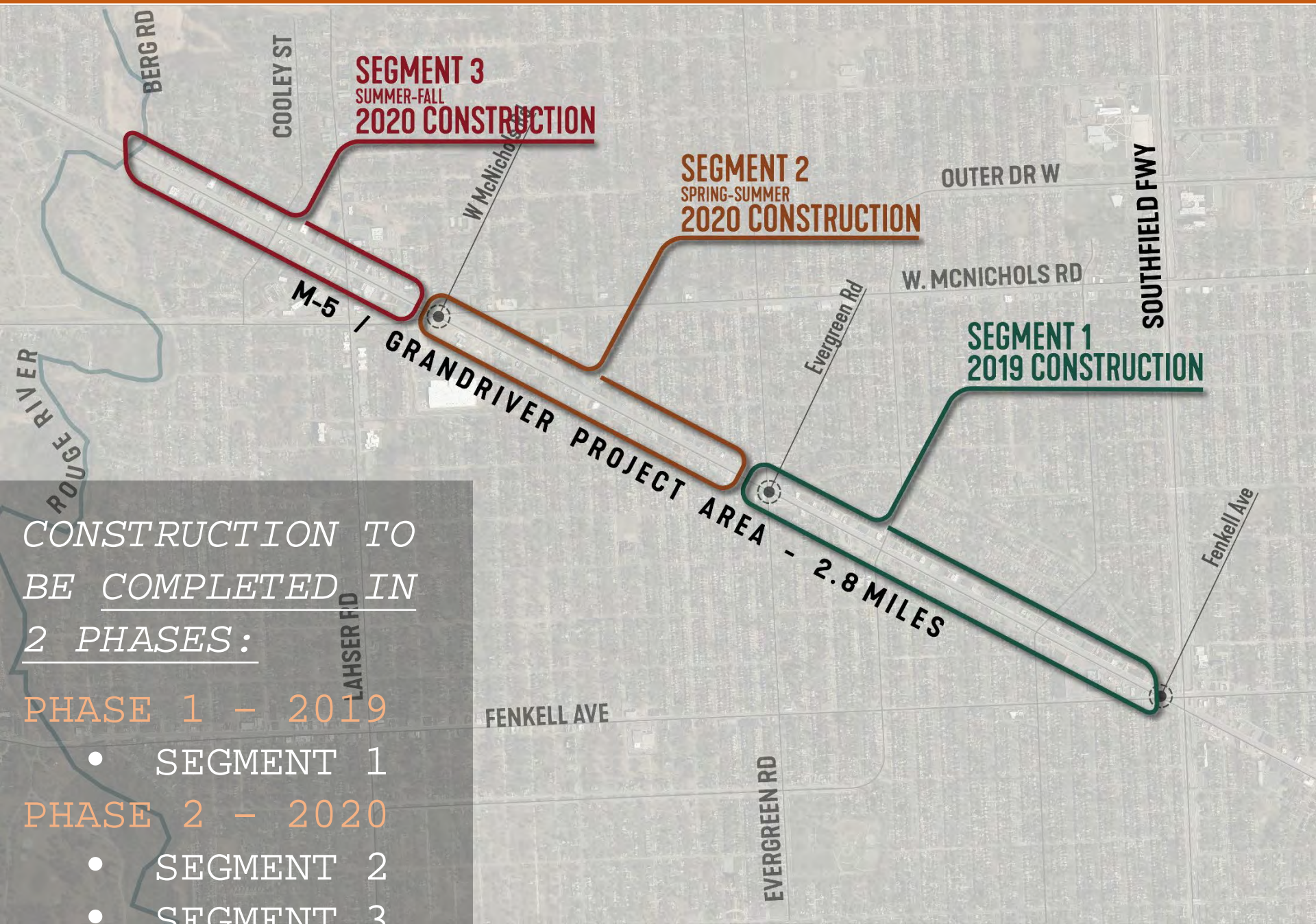
## Spirea

## Feather Reed Grass

# CONSTRUCTION PHASING & SCHEDULE



# CONSTRUCTION PHASING: OVERALL SCHEDULE



CONSTRUCTION TO  
BE COMPLETED IN  
2 PHASES:

PHASE 1 - 2019

- SEGMENT 1

PHASE 2 - 2020

- SEGMENT 2

- SEGMENT 3



# CONSTRUCTION PHASING: FINAL STAGE





# CONSTRUCTION PHASING: PRIMARY STAGES

*EACH SEGMENT WILL BE CONSTRUCTED IN THREE (3) STAGES*

-  STAGE 1A - NORTH SIDE
-  STAGE 1B - SOUTH SIDE
-  STAGE 1C - CENTER





# CONSTRUCTION PHASING: STAGE 1A

## STAGE 1A

### TRAFFIC FLOW

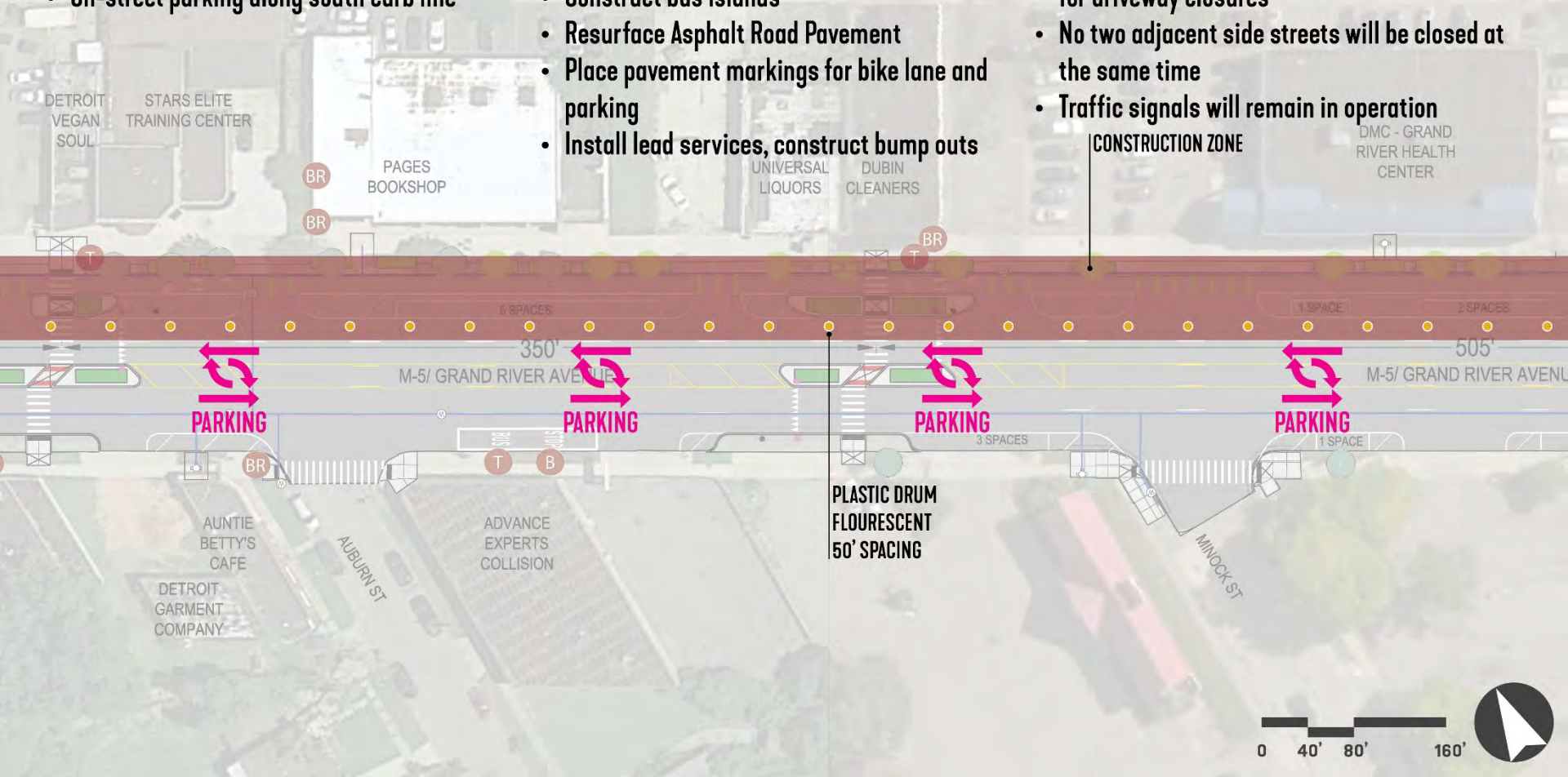
- Shift traffic lanes to south side of Grand River
- One travel lane in each direction
- Center turn lane
- On-street parking along south curb line

### CONSTRUCTION

- Install watermain
- Utility structure adjustments
- Sidewalk replacements in limited areas
- Construct bus islands
- Resurface Asphalt Road Pavement
- Place pavement markings for bike lane and parking
- Install lead services, construct bump outs

### NOTES

- Maintain access to businesses and private properties
- 5 business day notice given to the businesses for driveway closures
- No two adjacent side streets will be closed at the same time
- Traffic signals will remain in operation





# CONSTRUCTION PHASING: STAGE 1B

## STAGE 1B

### TRAFFIC FLOW

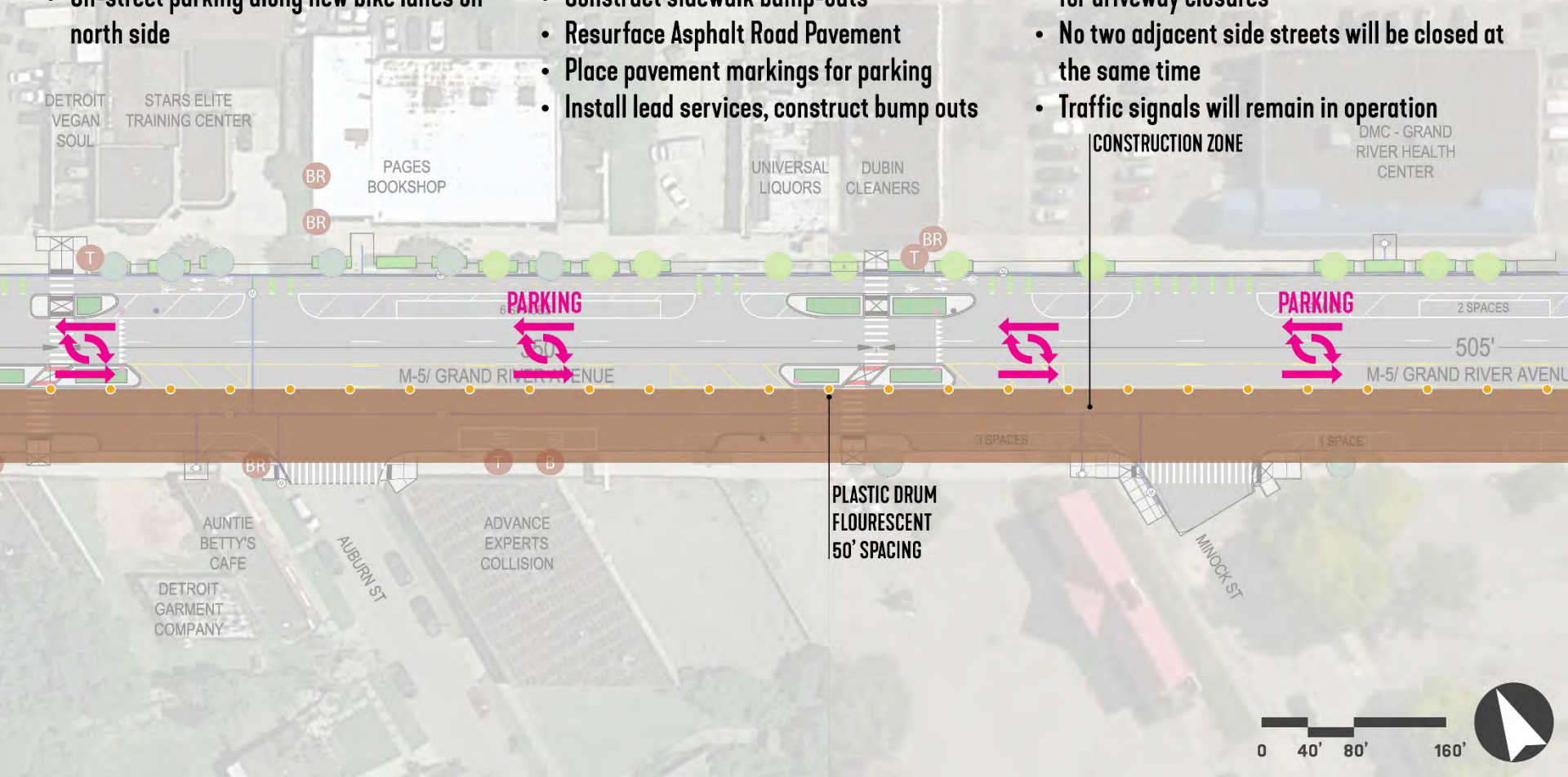
- Shift traffic lanes to north side of Grand River
- One travel lane in each direction
- Center turn lane
- On-street parking along new bike lanes on north side

### CONSTRUCTION

- Install watermain
- Utility structure adjustments
- Sidewalk replacements in limited areas
- Construct sidewalk bump-outs
- Resurface Asphalt Road Pavement
- Place pavement markings for parking
- Install lead services, construct bump outs

### NOTES

- Maintain access to businesses and private properties
- 5 business day notice given to the businesses for driveway closures
- No two adjacent side streets will be closed at the same time
- Traffic signals will remain in operation





# CONSTRUCTION PHASING: STAGE 1C

## STAGE 1C

### TRAFFIC FLOW

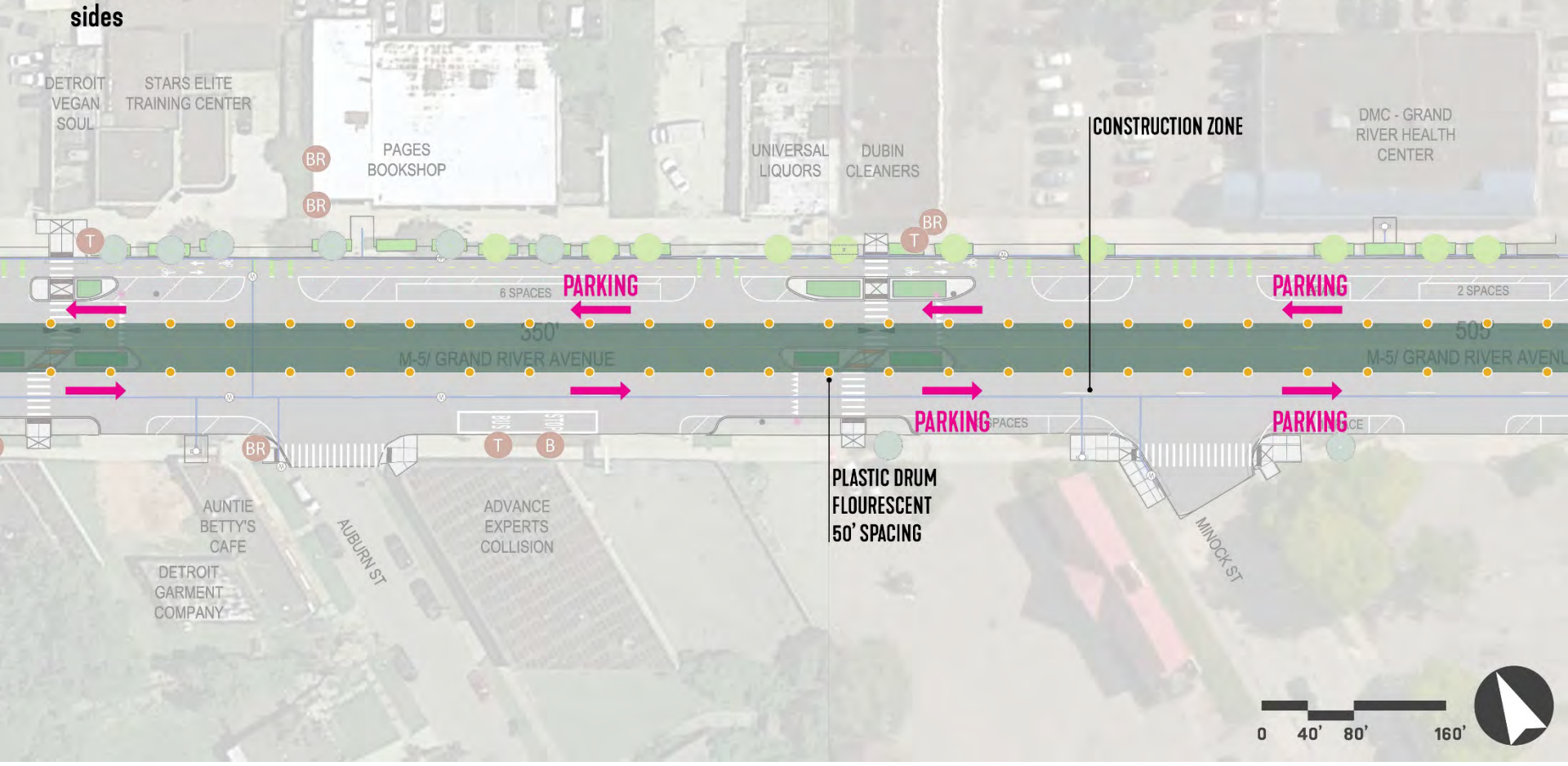
- One outside travel lane in each direction
- Center turn lane outside of active construction areas
- On-street parking along both north and south sides

### CONSTRUCTION

- Complete watermain crossings
- Construct center islands
- Resurface Asphalt Road Pavement
- Place pavement markings

### NOTES

- Maintain access to businesses and private properties
- Limited left turns in active construction areas
- Traffic signals will remain in operation





# GRAND RIVER WATER MAIN WORK

Rodney Burlett, P.E.  
City of Detroit, DWSD



- How long will my water be out of service?



# WATER MAIN: HISTORY AND SCOPE

- DWSD has been incrementally replacing water main along Grand River since 1995. First from Eight Mile to Telegraph, then starting at Grand River in Downtown Detroit and moving northwest.
- The leg of water main for this project and the water main east from Telegraph and adjacent to the Grand Lawn Cemetery are the last legs of original vintage water main along Grand River. Low break history of the pipe adjacent to the cemetery does not support replacement at this time.
- Scope: Installation of new water main along both sides of roadway, water lines crossing Grand River, new hydrants, new gate valves, and replacement of lead water services found over the course of the work.

# WATER MAIN: LEAD SERVICE LINE REPLACEMENT

- FREE OF CHARGE to property owners AS PART OF THIS PROJECT
- New copper pipe from new water main to the existing meter
- New meter provided by DWSD if existing found to be outdated
- All property water services need to be confirmed as LEAD or COPPER
- Water main contractor is obligated to adhere to property owner's schedule for service replacement
- Existing main water main in service as long as practicable; temporary services established in certain circumstances
- DWSD is not responsible for plumbing downstream of the meter



# WATER MAIN: SCHEDULE

- Water main work precedes streetscape.
- NOTIFICATION FLYERS with contact information will be distributed several days ahead of local piping work.
- Drinking water PITCHERS and FILTERS to be distributed to all properties affected by the piping work—not just Lead replacements.
- 
- 2019: Work to begin north of Fenkell and proceed along north side of street thru Evergreen, then back to Fenkell along south side of street.
- 2020: Work to begin at Evergreen and proceed northward along north side of street thru to Berg Rd., then back to Evergreen along south side of street.

# Q & A



THANK YOU!



# OPEN HOUSE REVIEW AND COMMENTS



THANK YOU!