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
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
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 crossings 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 ISLAND
- CROSSWALK
- CURB BUMP-OUT

REDUCED CROSSING DISTANCE: 40 FEET
2-WAY BIKE LANES (CYCLE TRACK)

BIKE SYMBOLS

PROTECTED BUFFER

GREEN PAINT

BIKE BOLLARD
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

EXISTING SIGNALIZED INTERSECTION

OLD REDFORD STREETSCAPE
NODE - 0.45 MILES

M-5 / GRANDRIVER

GRANDMONT - ROSEDALE STREETSCAPE
NODE - 0.75 MILES

PROJECT AREA - 2.8 MILES
MODIFIED INTERSECTIONS

WARWICK STREET RE-ALIGNMENT
MODIFIED INTERSECTIONS

PURITAN STREET CLOSURE – Future Grand Parklet
PEDESTRIAN CROSSINGS: Overview

- **Old Redford Streetscape**
  - Node: 0.45 miles

- **Grandmont-Rosedale Streetscape**
  - Node: 0.75 miles

- **Grandriver Project Area**
  - Length: 2.8 miles

- **Existing Signalized Intersection**
  - Proposed Crossing - With Signal (1 Location)
NEW SIGNALIZED INTERSECTION: 1

- TREES IN GRATES
- EXISTING TREES
- PROPOSED TREES IN LAWN PANELS
- EXISTING TREES TO REMOVE
- POTENTIAL LANDSCAPE ISLANDS OR TURF ISLANDS
- BR 19 BIKE RACKS
- B 10 BENCHES
- T 23 TRASH RECEPTACLES
- BUS SHELTERS
NEW PEDESTRIAN CROSSING: RAPID FLASHING BEACON
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

Switch Grass
- Panicum virgatum 'Shenandoah'
- Panicum virgatum 'Rehbraun'
- In Winter

Daylilies
- Hemerocallis 'Happy Returns'
- Hemerocallis 'Ruby Stella'
- Hemerocallis 'Orange Smoothie'

Spirea
- Spiraea japonica 'Gold Mound'
- Spiraea japonica 'Anthony Waterer'
- Calamagrostis x acutiflora 'Karl Foerster'

Feather Reed Grass
CONSTRUCTION PHASING & SCHEDULE
CONSTRUCTION TO BE COMPLETED IN 2 PHASES:

**PHASE 1 – 2019**
- SEGMENT 1

**PHASE 2 – 2020**
- SEGMENT 2
- SEGMENT 3
CONSTRUCTION PHASING: FINAL STAGE

STREET TREES
LANDSCAPE
SITE FURNISHINGS
FALL 2020

M-5 / GRANDRIVER PROJECT AREA - 2.8 MILES
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
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?
• 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.
• **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.
OPEN HOUSE REVIEW AND COMMENTS