# Boston
# (Fuller to Plymouth)

## Concept Design Meeting
## June 18, 2024


# Introductions

*City Staff*

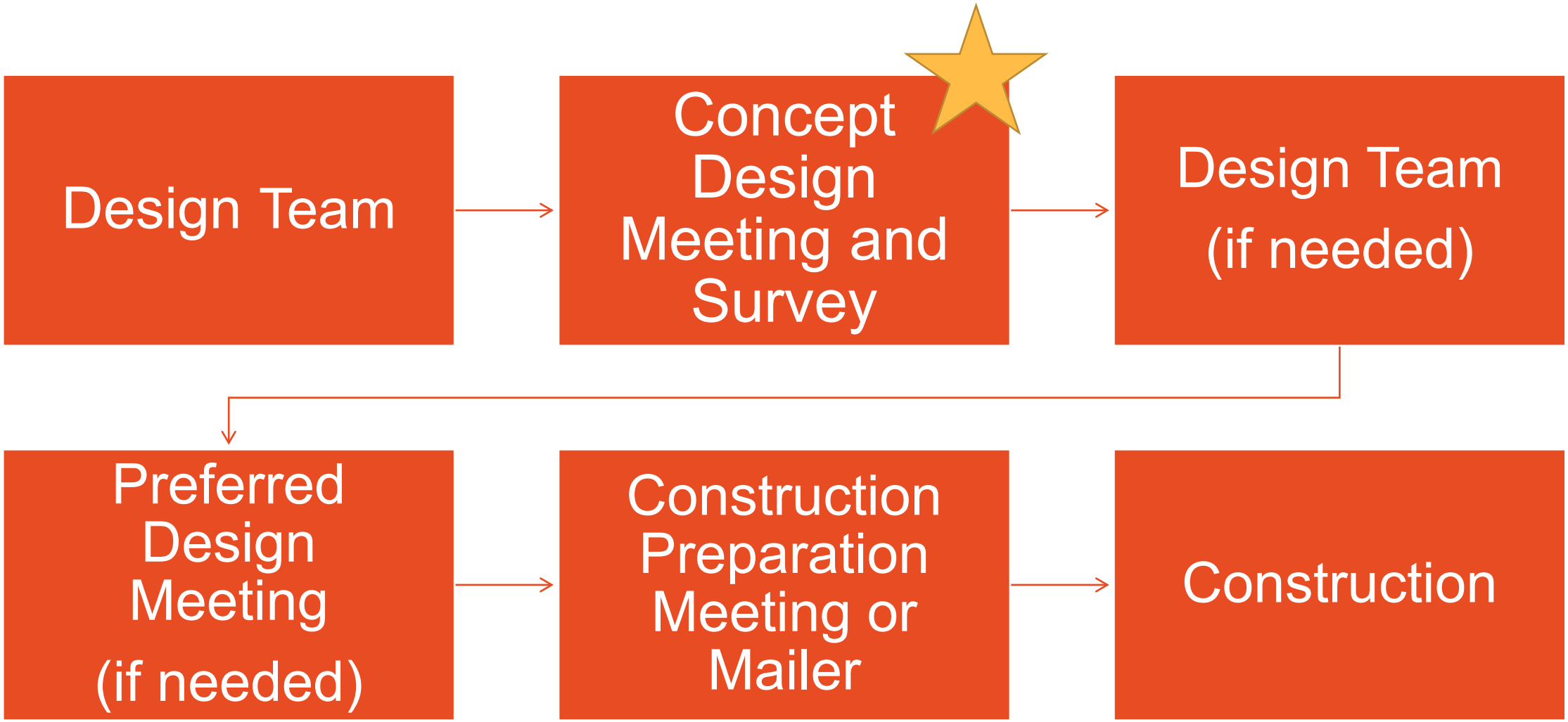
- Community Engagement – Juan Torres and Sarah Itani
- Engineering – Dan Siminski
- Mobile GR/Traffic Safety – John Bartlett

# Agenda

- Introductions
- Project Overview
- Guiding Documents and Principles
- Concept Design
- Discussion

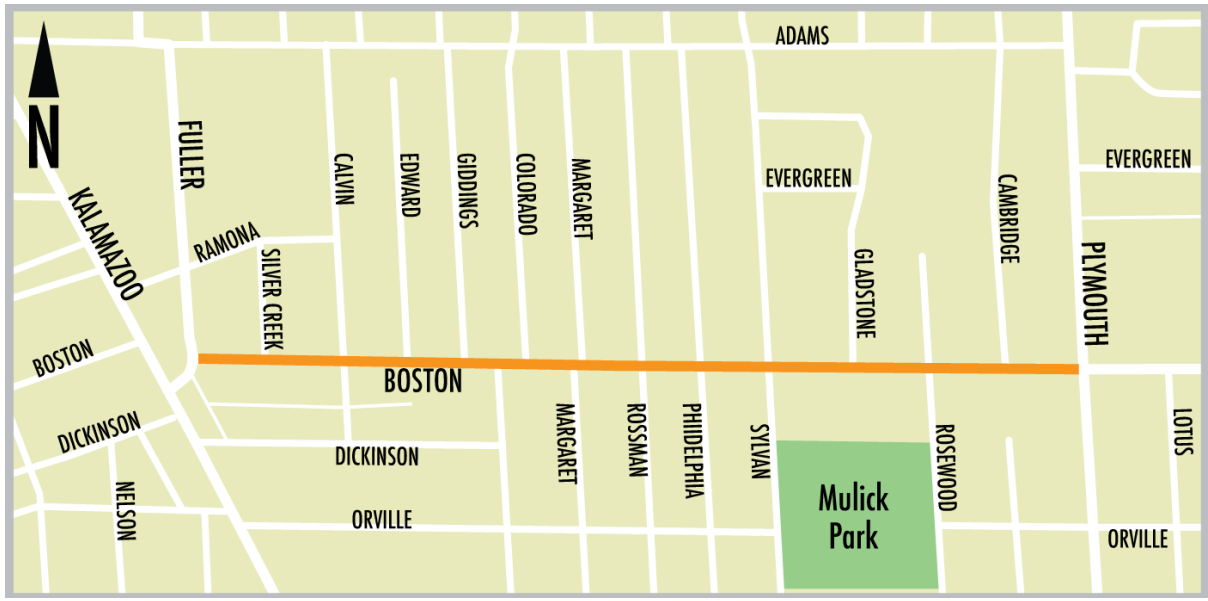

# Project Overview

# Road Design and Construction Process



# Project Details

- Reconstruction project
  - Water main replacement
  - Lead service line replacements
  - Upgrades to the storm sewer system
  - Replace some driveway approaches
- Upgrade sidewalks and curb ramps to meet ADA standards
- 2025 Construction



# Existing Conditions

- Street pavement condition rating of 3 to 4
- 66-foot public right of way
- 34-36-foot road width
  - Two travel lanes, one in each direction
  - On-street parking on both sides
  - 6-foot sidewalks on both sides

# Parking Data

Parking counts collected in Spring and Fall 2023

- Tuesday, Thursday, Saturday
- Between 7-10am and 6-9pm

Peak on-street parking usage = 9% (17 of 187)

North side of street = 76 legal on-street parking spaces available

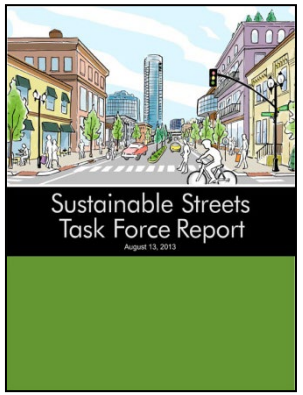
South side of street = 111 legal on-street parking spaces available


# Guiding Documents and Principles

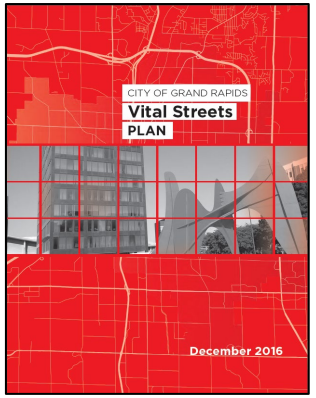
# Guiding Documents

- 2000-2002 City Master Plan
- 2007-2010 Green Grand Rapids
- 2012-2013 Sustainable Streets Task Force Report
- 2015 Urban Tree Canopy Assessment
- 2016 Vital Streets Plan
- 2019 Bicycle Action Plan





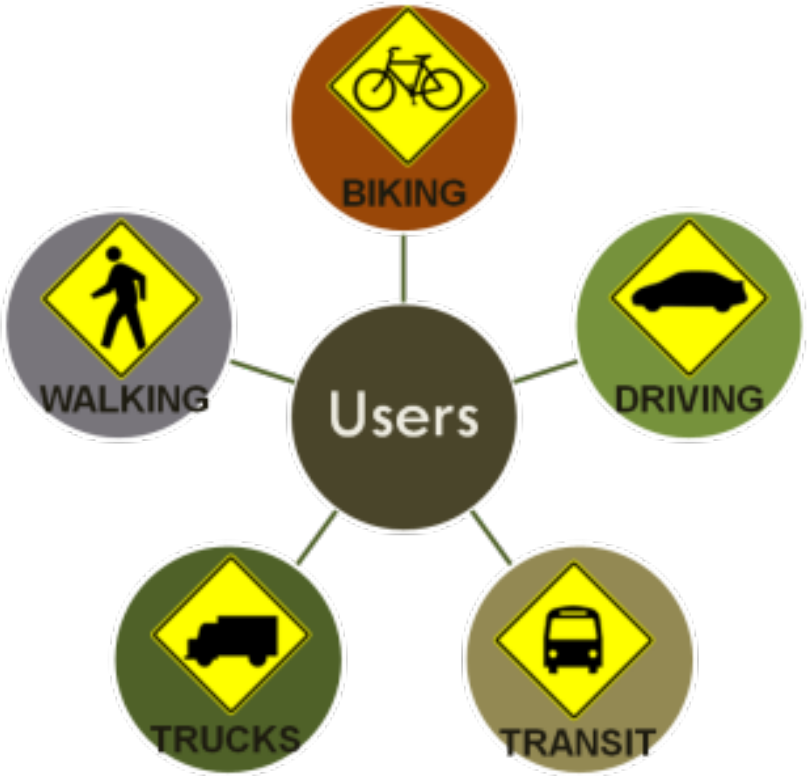


# Complete Streets

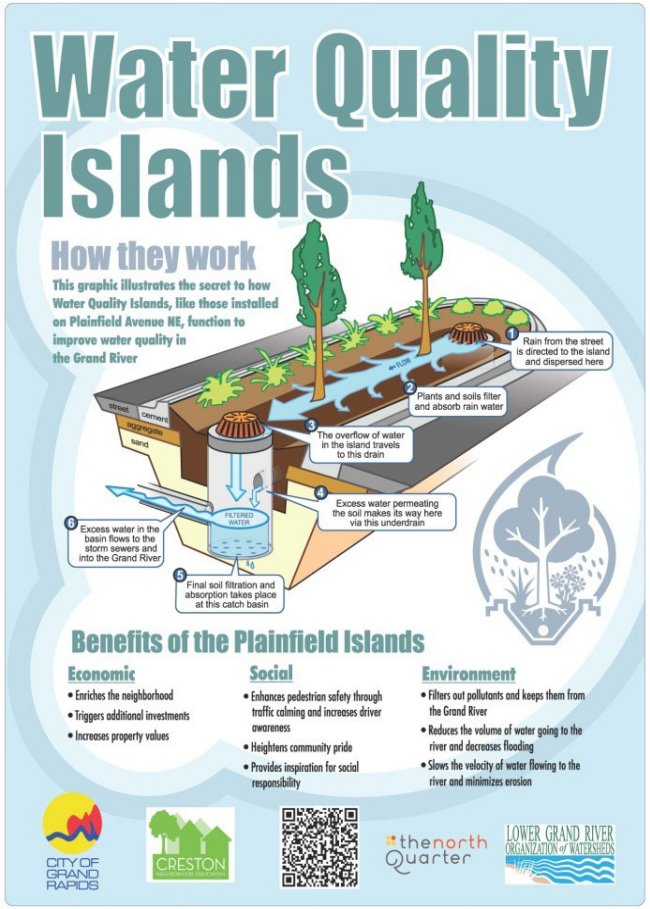
A system of streets…planned, designed, operated and maintained so all legal users may safely, comfortably and conveniently move along and across streets

~ PA 134 of 2010



# Vital Streets

## Complete streets + green infrastructure




# All users include:

- People walking
- People driving
- People biking
- People of all abilities
- Trucks
- Buses


# Why all users?

**1/3rd** of the population does not drive

Aging population:

- **1 in 5** seniors do not drive (AARP)
- Most seniors outlive their ability to drive by **7 to 10** years (AARP)

Ability:

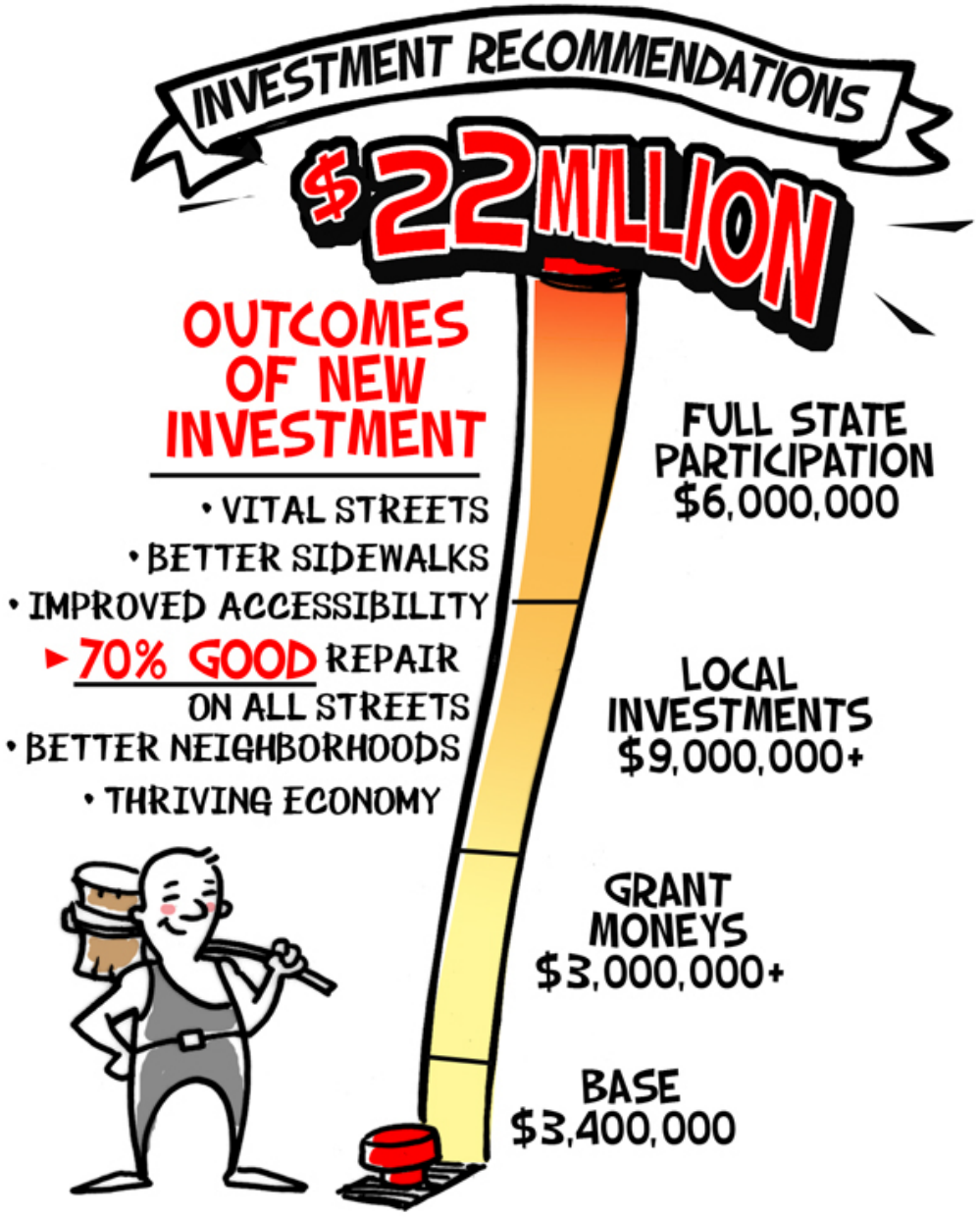
- **20%** of Americans have a disability that limits their daily activities (US Census)
- **Nearly half** of people 65 and older have a disability (US Census)

# Why all users?

- Young people:
  - **1/4th** do not have a driver's license (U.S. PIRG)
  - Trips by bike ↑ **24%**, ↑ walking **16%**, ↑ transit **40%** (U.S. PIRG)
- Expense:
  - Average cost of owning and operating one automobile (2015): **$8,698/year** (AAA)
  - Average household transportation costs (Grand Rapids MSA, 2015): **$11,497/year** (H+T Index)

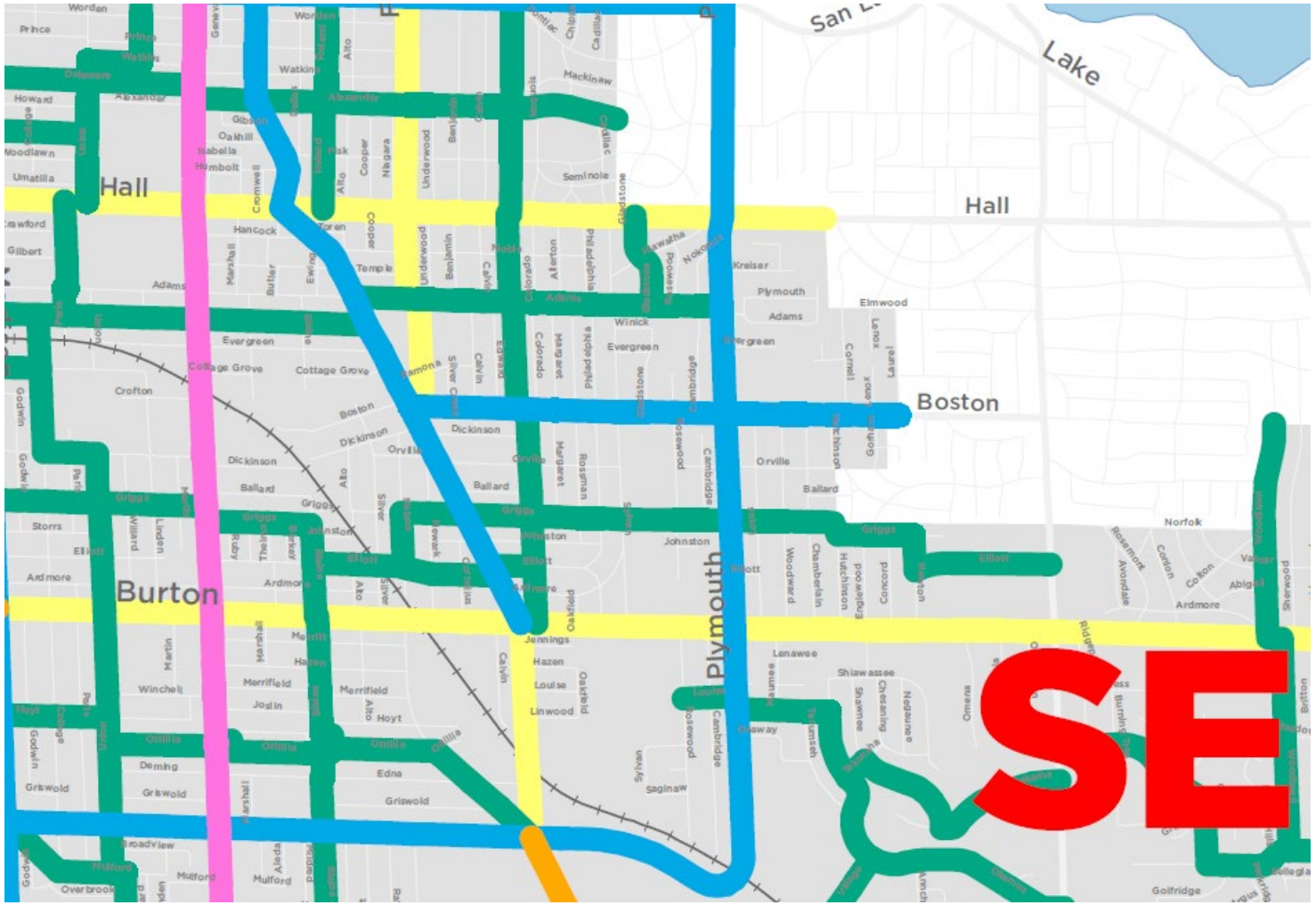
# Vital Streets Income Tax

- 70% good and fair goal
- Passed in 2014



# Vital Streets Plan

- This street identified as a commuter bicycle route



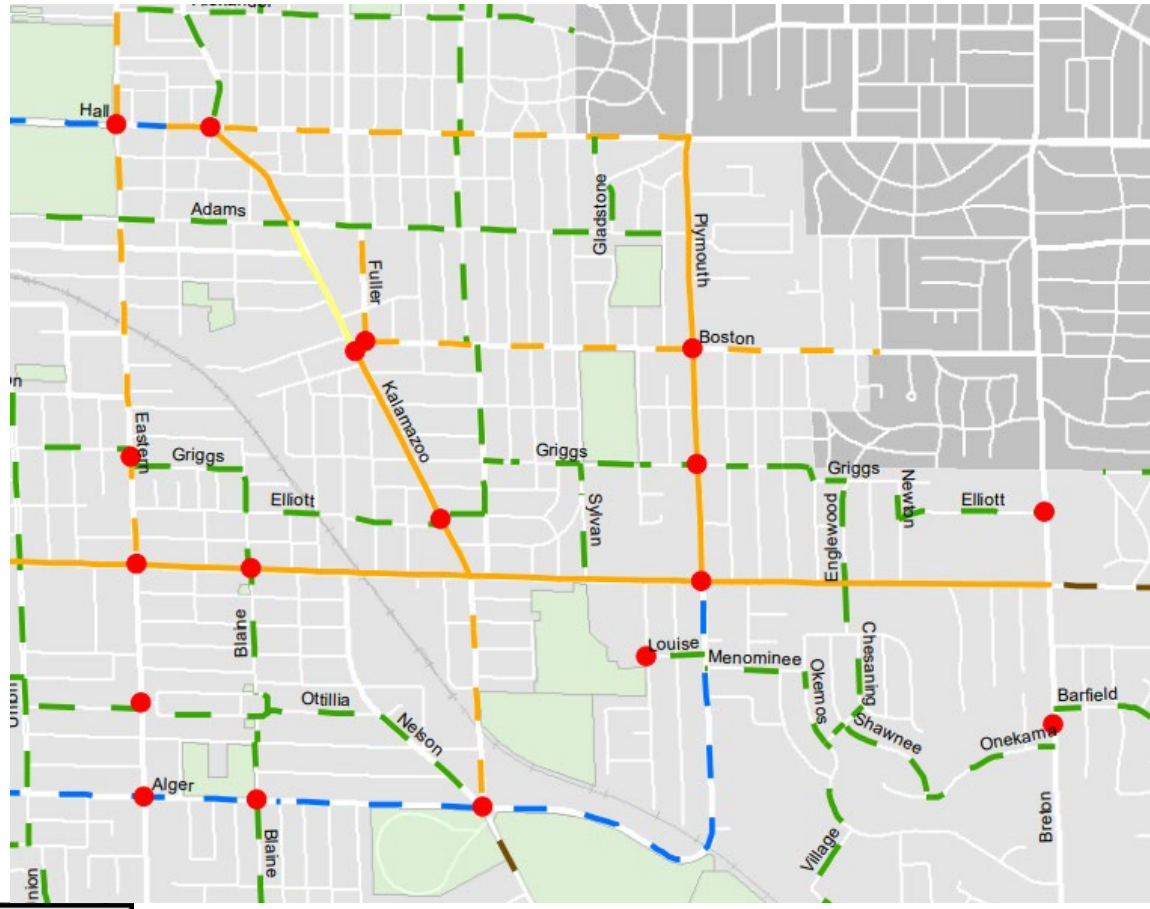

**VITAL STREETS**

**Mode Emphasis**

- Balanced
- Transit
- Vehicle/Truck + Transit
- Vehicle/Truck
- Bicycle: Commuter
- Bicycle: Community

# Bicycle Action Plan

- This street proposed for bicycle lanes




Existing Separated / Raised Bikeway
Proposed Separated / Raised Bikeway
Existing Bike Lane / Paved Shoulder
Proposed Bike Lane / Paved Shoulder
Existing Marked Shared Lane
Proposed Marked Shared Lane
Existing Signed Bike Route
Proposed Signed Bike Route / Bike Boulevard
Existing Off-Street Multi-Use Trail/Sidepath
Proposed Off-Street Multi-Use Trail/Sidepath
Existing Sidewalk/Stairway/Tunnel Connection
Proposed Sidewalk/Stairway/Tunnel Connection
Buffered Bike Lane
Proposed Buffered Bike Lane
Advisory Bike Lane
Add / Improve Connection
Improve Intersection
Proposed Underpass / Bridge

N

# Urban Tree Canopy

- 40% urban tree canopy goal
- This area has between 31-40% canopy

Value
- Environmental quality
- Public health
- Water quality
- Property value
- Aesthetics

34%
*Average (UTC) in Grand Rapids*

$2.64 million*
*Annual Ecosystem Services*

-0.7%
*Percentage Point UTC Change from 2005-2014*

7,032
*Acres Possible Planting Area*

1,640
*Acres Increase Needed to Meet 40% UTC Goal*

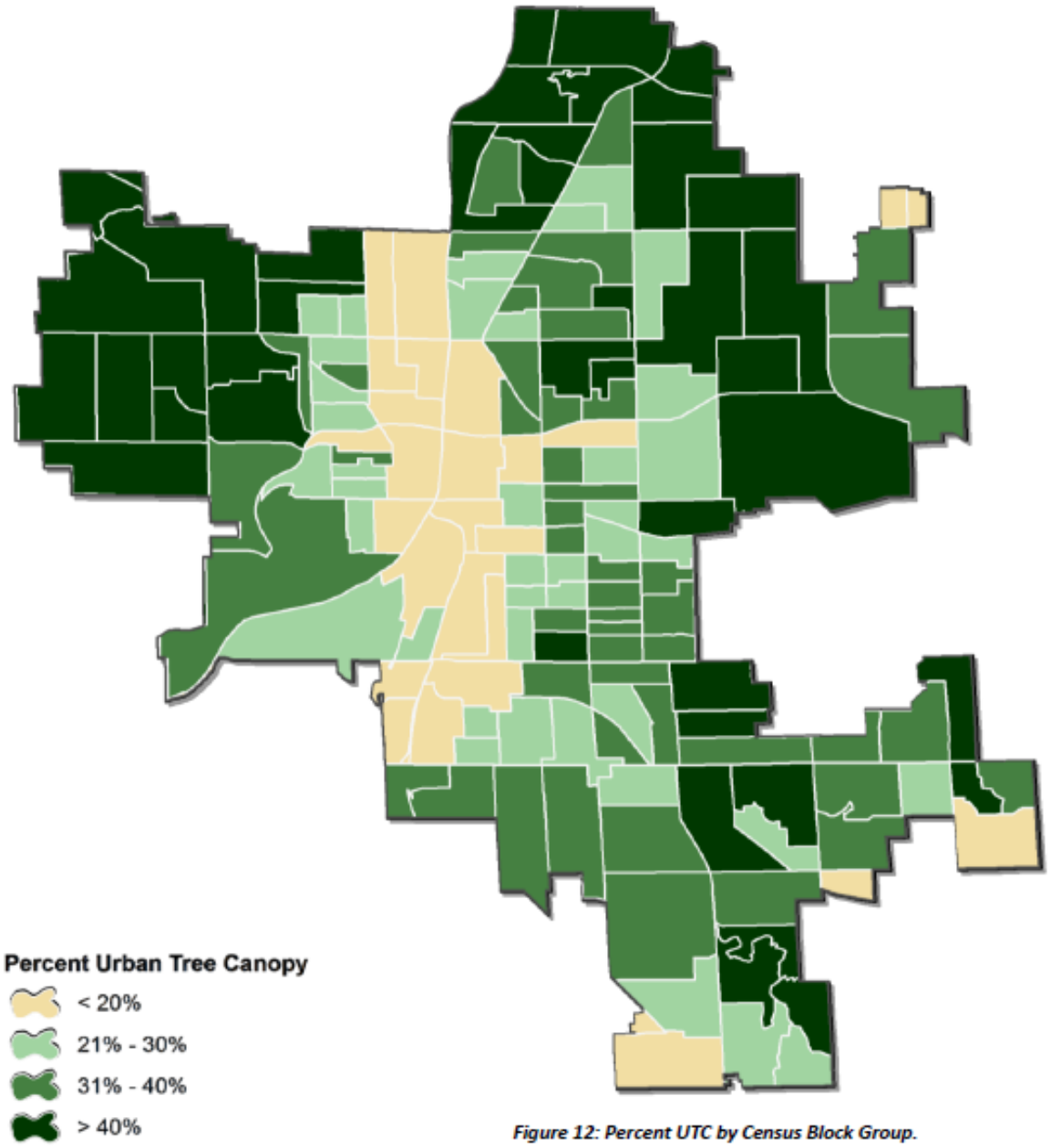
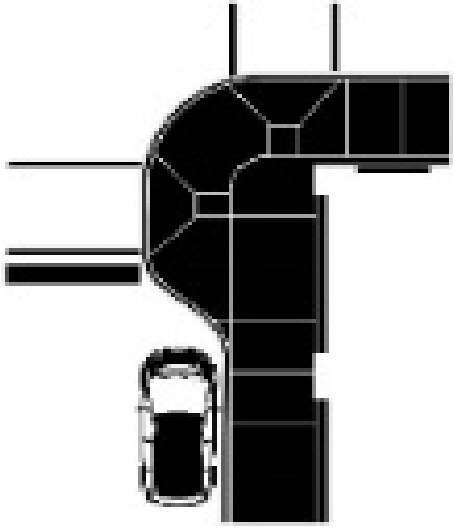



*Figure 12: Percent UTC by Census Block Group.*

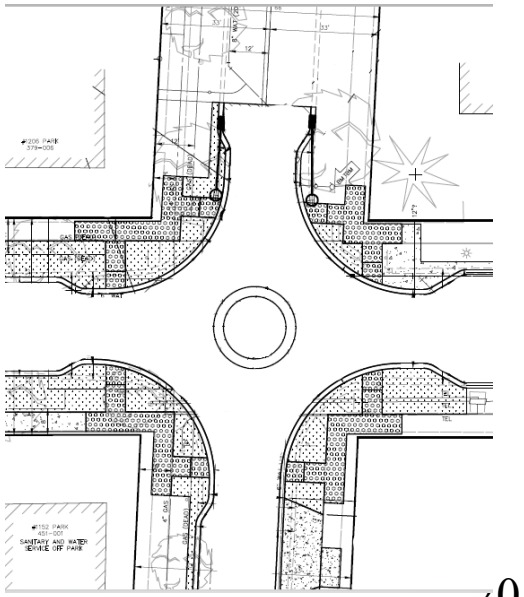

# Concept Design

# Concept Design Boston (Fuller to Rosewood)

- Moving curbs two and half feet on both sides to widen the street
- Remove the parking lane on the north side of the street and maintain parking on the south side
- Install bicycle lanes on both sides of the street
- Install neighborhood roundabouts on Boston Street at the Calvin, Rossman, Sylvan, and Rosewood intersections to improve safety for all roadway users and help slow traffic.
- Installing curb extensions at intersections to shorten pedestrian crossings



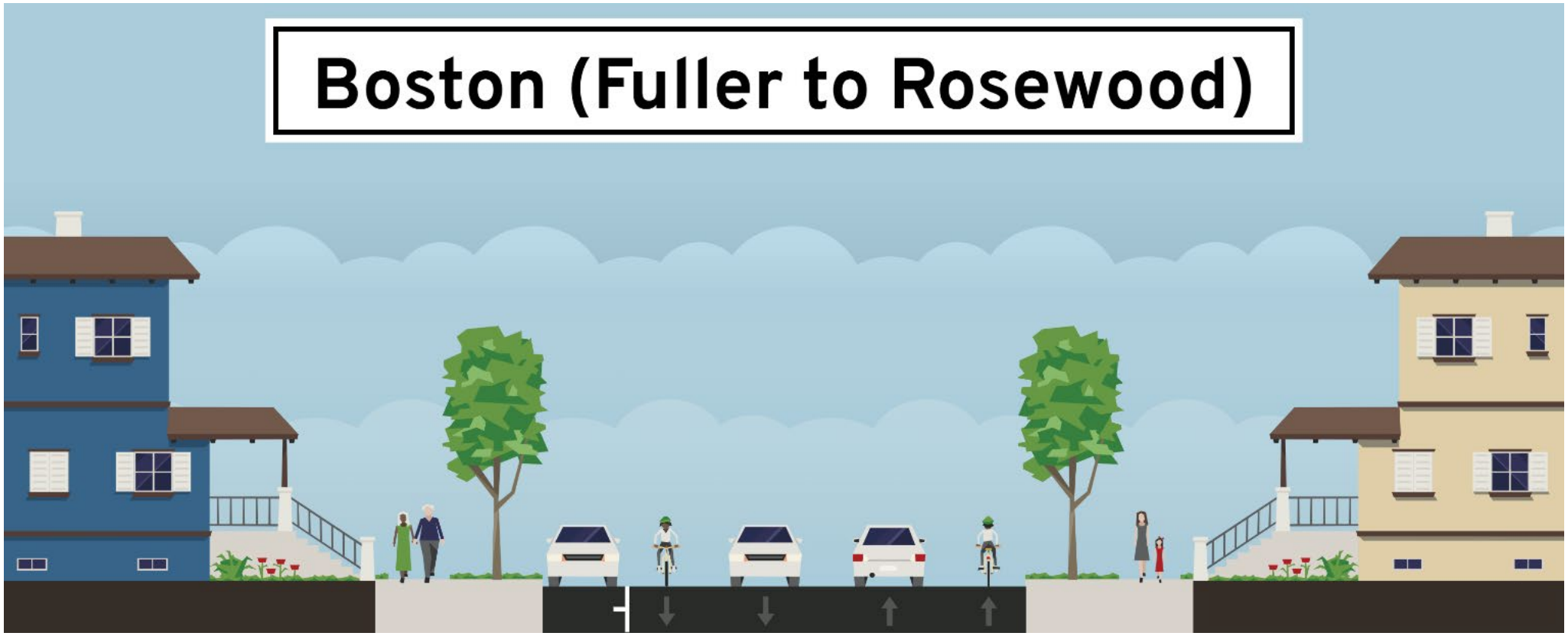
**Curb Extension Example**



# Concept Design Boston (Rosewood to Plymouth)

- Remove parking from both sides of the street between Rosewood and Plymouth to save mature trees.
- Install bicycle lanes on both sides of the street.
- Upgrading sidewalks and ramps to meet the Americans with Disabilities Act standards.

# Concept Design



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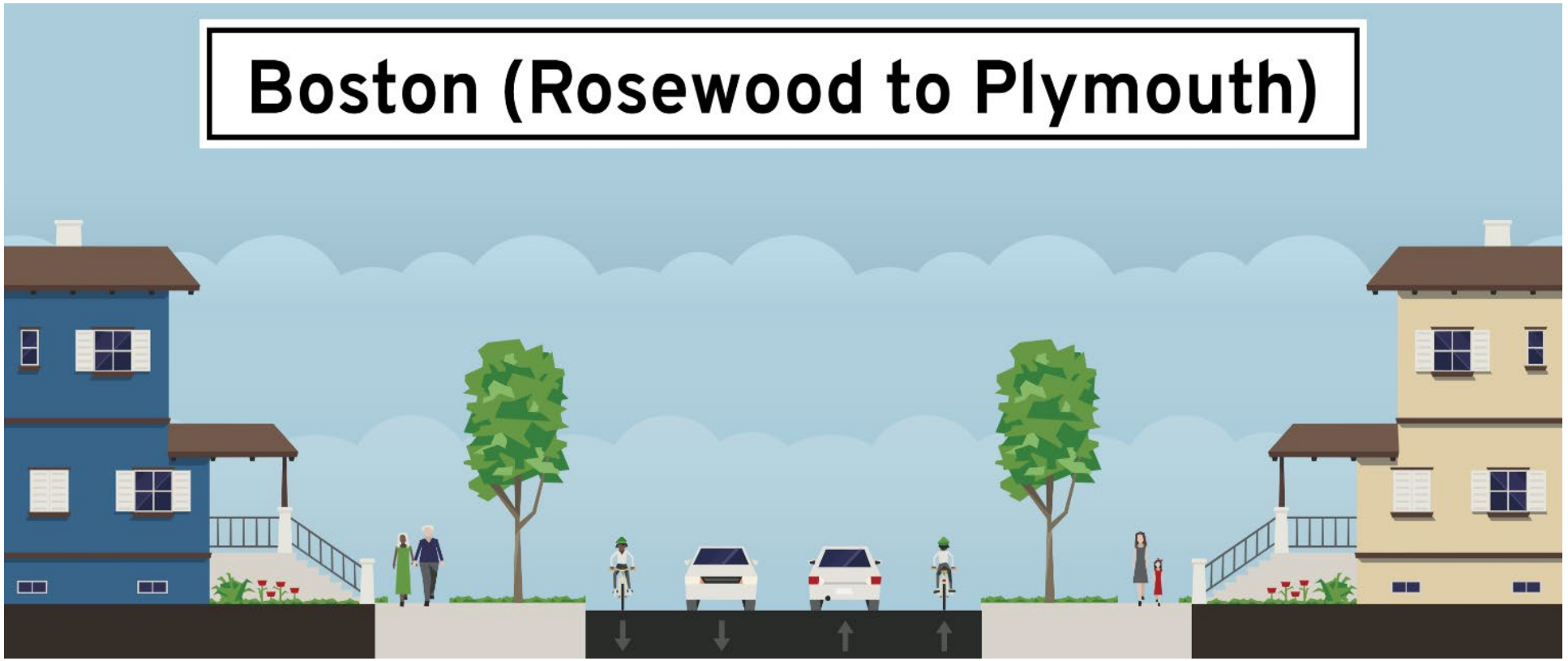


# Discussion

# Contact Information

- Road construction website: grandrapidsmi.gov/roadconstruction
- City phone number: 311 or 456-3000
- Email: communityengagement@grcity.us
- Visit gr.publicinput.com and search for *Boston*