

KELLEY'S CORNER INFRASTRUCTURE PROJECT



AB School Campus

Roche
Brothers

Bowl

KMart

WHY KELLEY'S CORNER?

WHY NOW?

- Identified as an area in need of improvement since the 1970s
- Infrastructure improvements reflective of community values
 - Safety
 - Accessibility
 - “Complete Streets”
 - Stormwater management
- Reduces traffic congestion
- Funds necessary maintenance and repairs
- Supports economic sustainability
- Leverage \$14.5+ million investment by State/Federal



2019 ANNUAL TOWN MEETING REQUEST

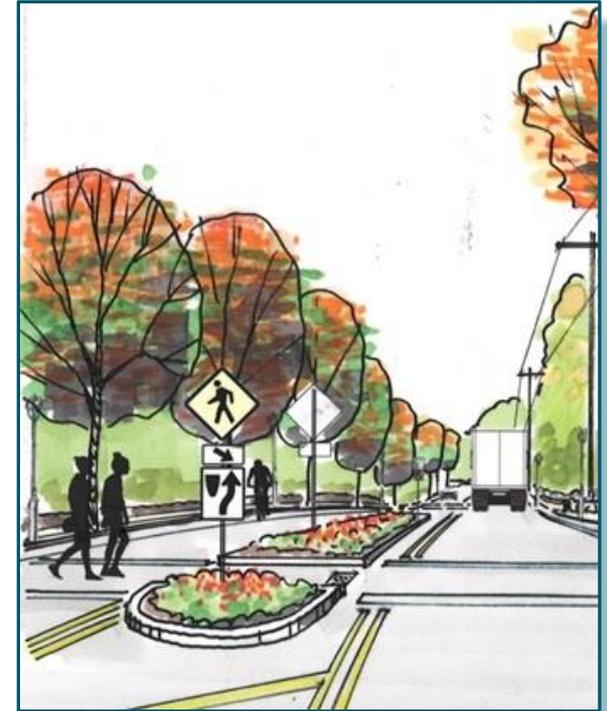
Kelley's Corner Infrastructure Project Design and Related Costs: \$525,000

Appraisal Services:

- Required process for Right of Way acquisitions

Supplemental Engineering:

- Charter Road intersection
- Community Lane and Mass Ave intersection
- Realignment shift for 263 Main Street
- Hosmer House Alternatives



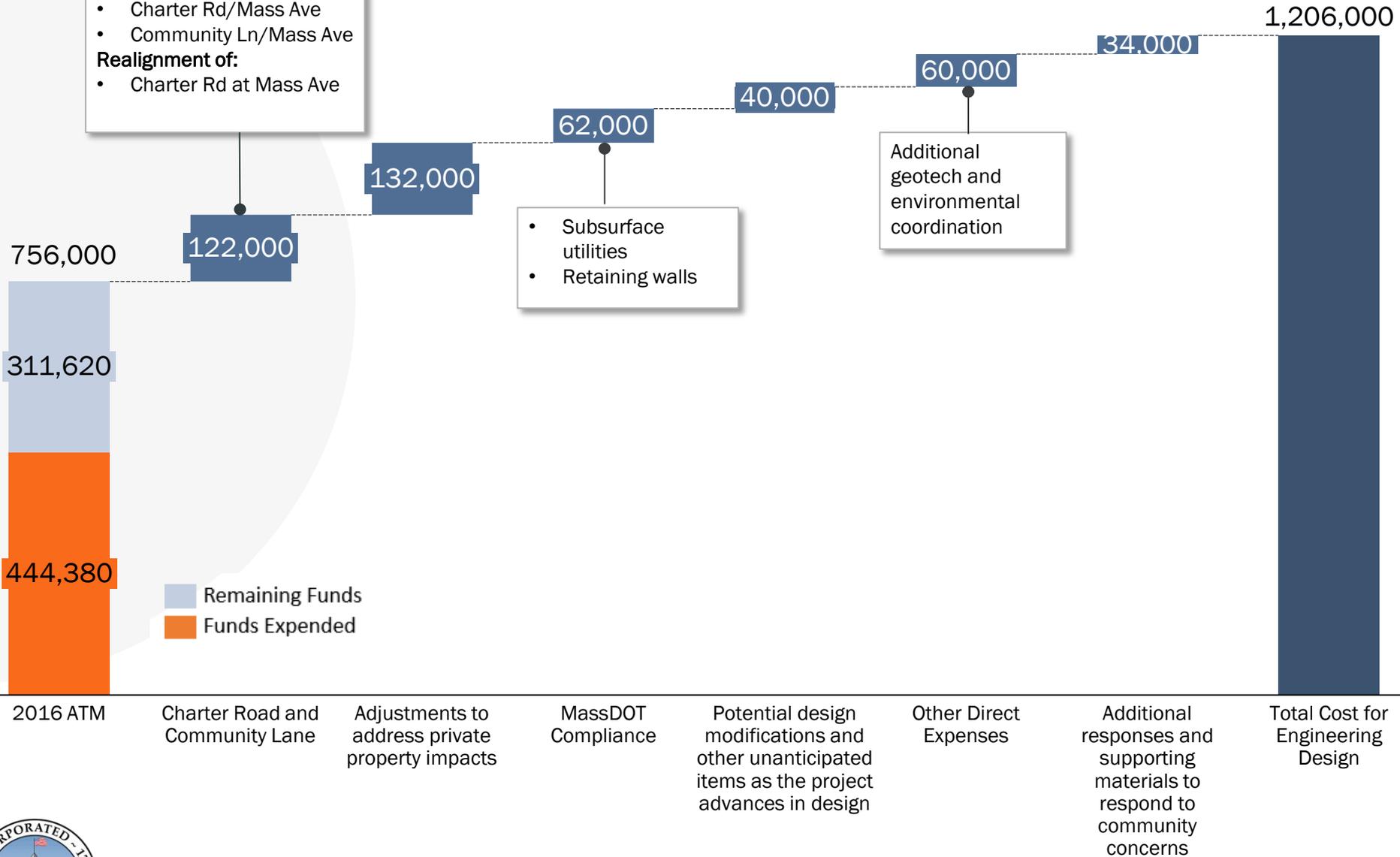
WHY ADDITIONAL FUNDS FOR ENGINEERING DESIGN?

Signalization of:

- Charter Rd/Mass Ave
- Community Ln/Mass Ave

Realignment of:

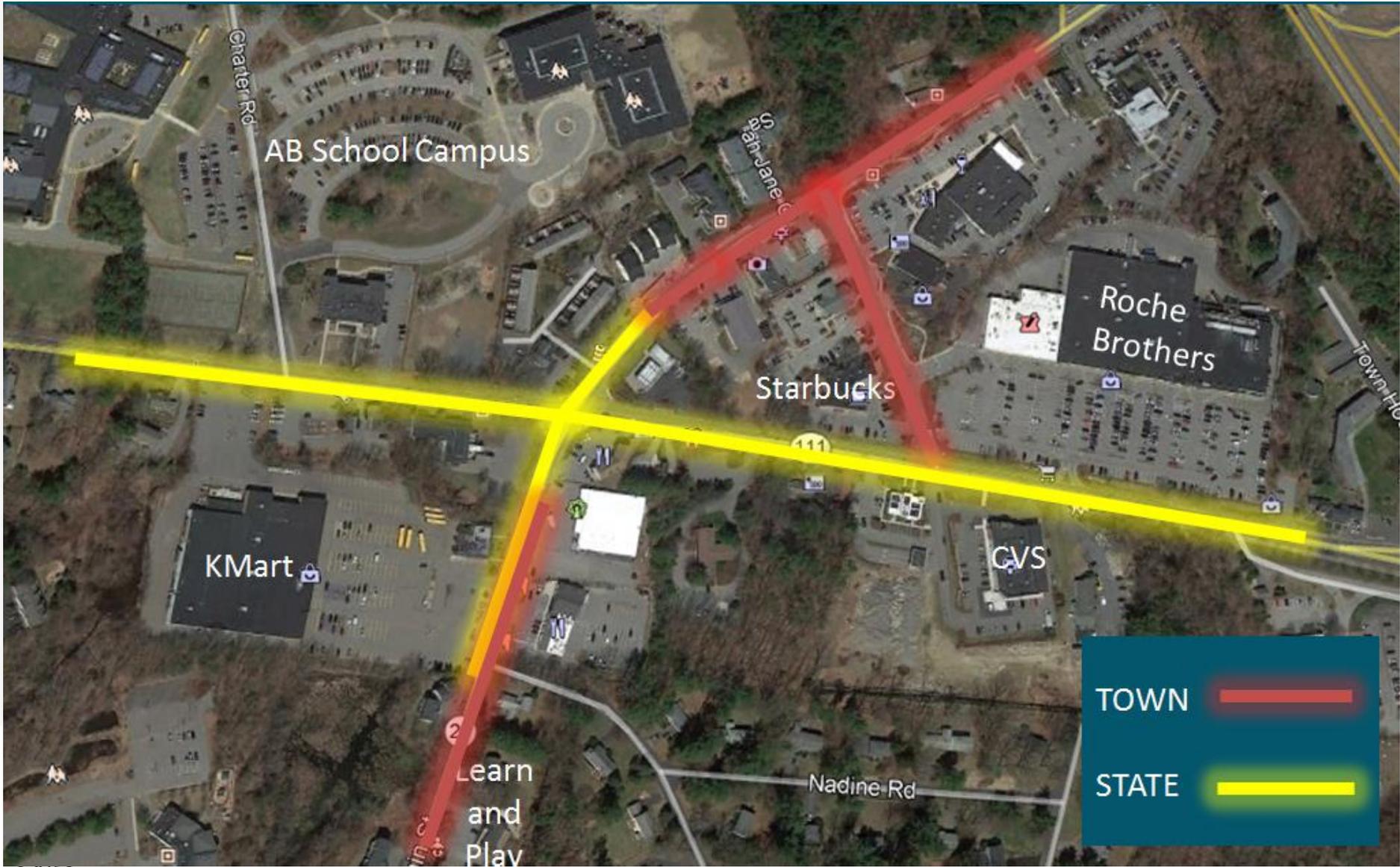
- Charter Rd at Mass Ave



TOWN FUNDS LEVERAGE \$14.5 MILLION DOLLARS

Estimates as of 1/10/19	Town Share (Projected)	State/Fed Investment (Projected)
Concept Planning and Engineering Design Costs	+/- \$1.4 M (ATM13 \$155,500 + ATM16 \$756,000) + Proposed ATM19 \$450,000	Construction oversight TBD
ROW Real Estate Appraisal Services	\$75,000	\$75,000 +
Estimated Acquisition Costs	\$1.5 Million (Main Street and Community Ln)	\$1.92 Million (Mass Ave. and Main St. at intersection)
Construction Costs	\$0	\$14.5M
Potential Non-Participating Items (construction costs that MassDOT does not cover):	100 Ornamental Lights (pole and luminaire) +/- \$814,250	





TOWN FUNDS LEVERAGES \$14.5 MILLION DOLLARS

CAPITAL INFRASTRUCTURE COSTS THAT WOULD NEED TO BE FUNDED LOCALLY IN THE NEXT 10 YEARS

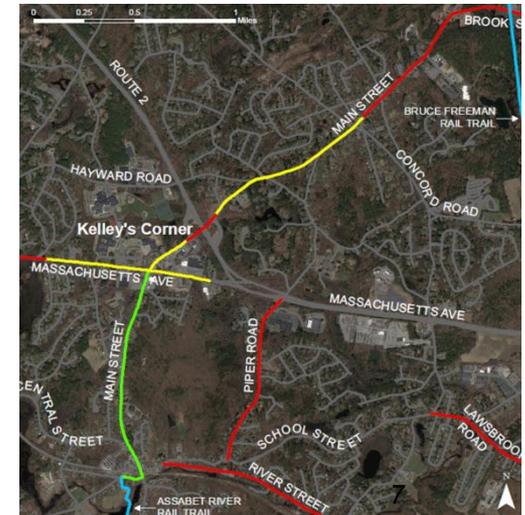
Up to \$2 million for:

- Maintenance and repair

Drainage and stormwater management

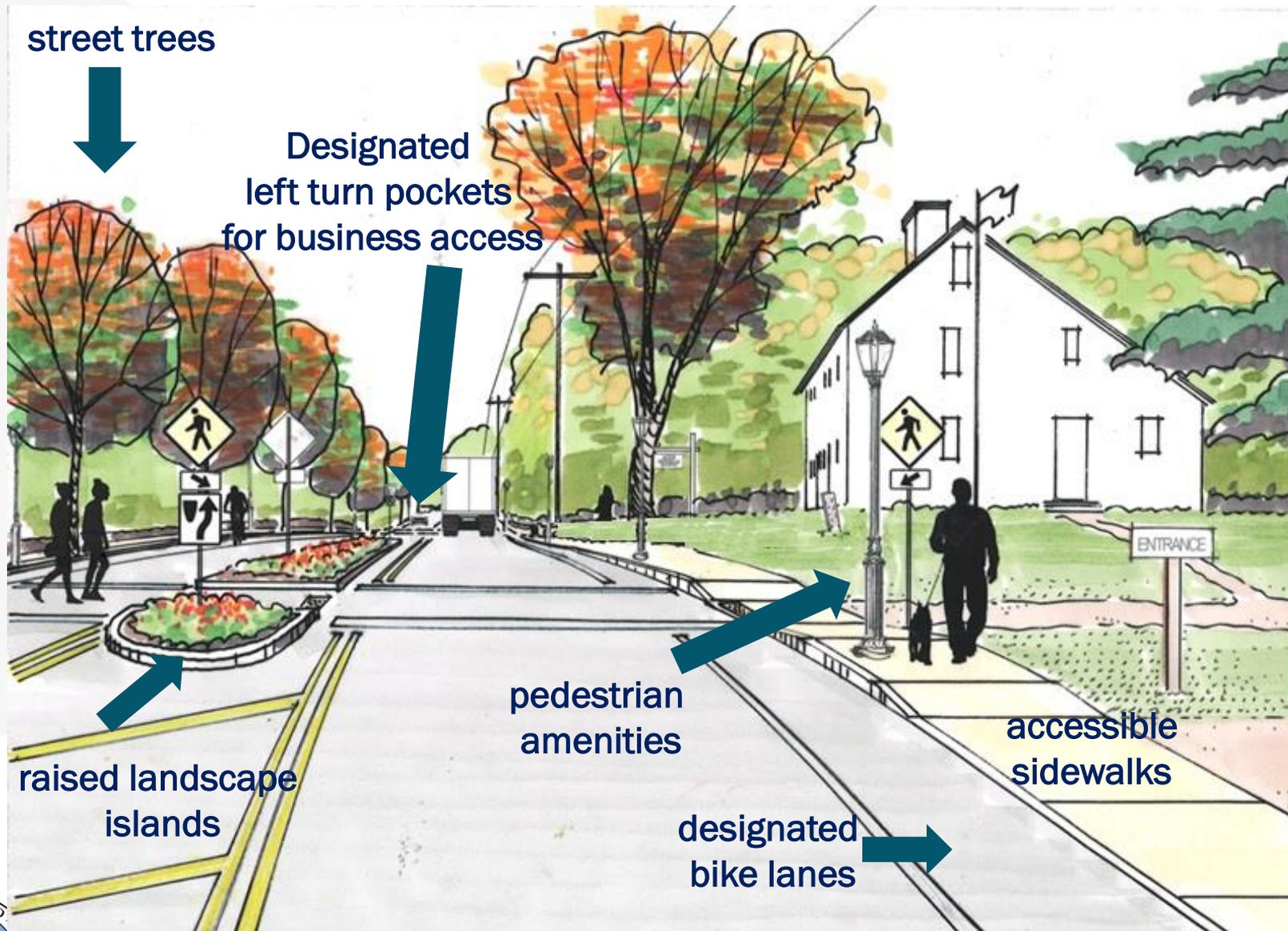
Sidewalks

- Implementing Acton's bike lane plan

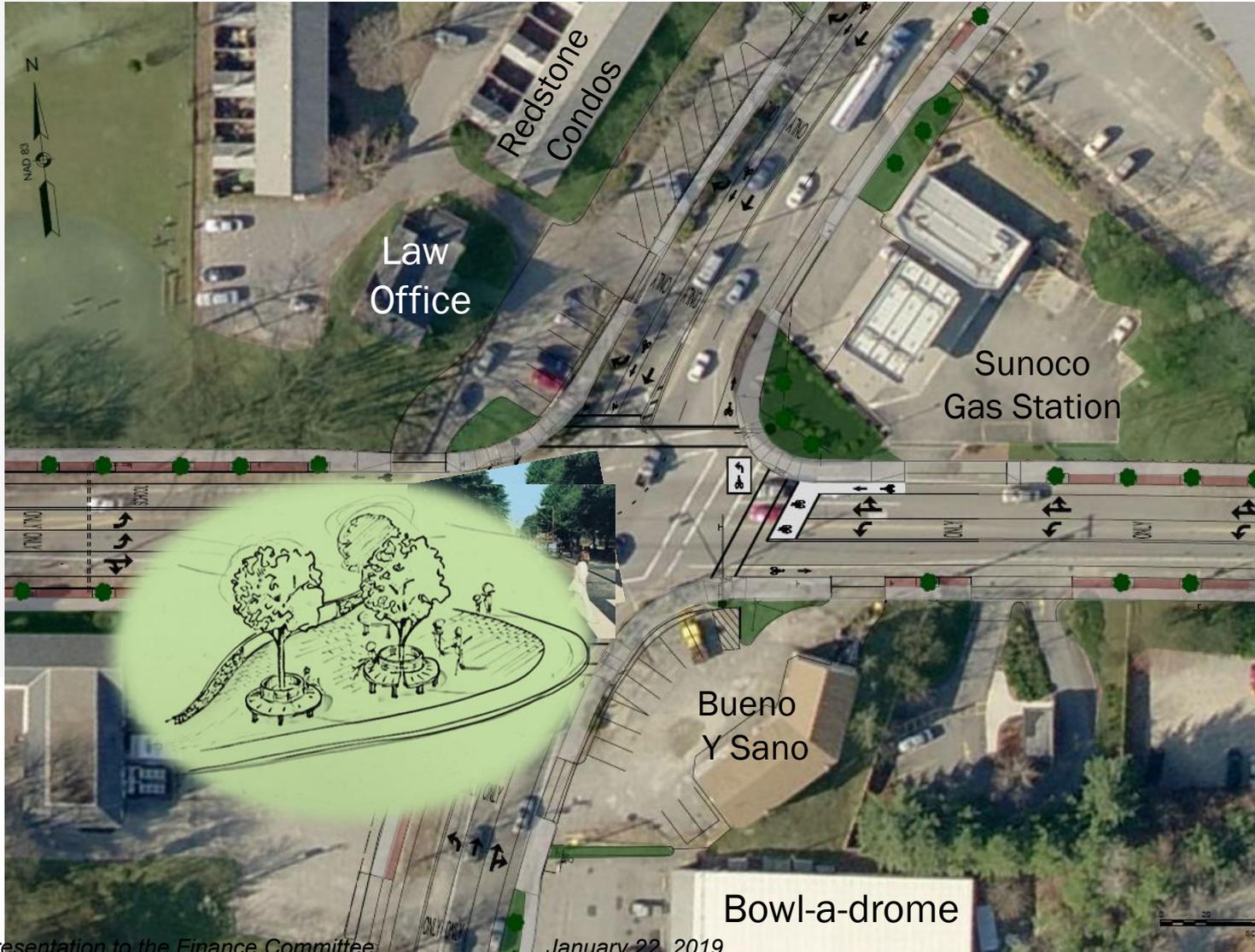




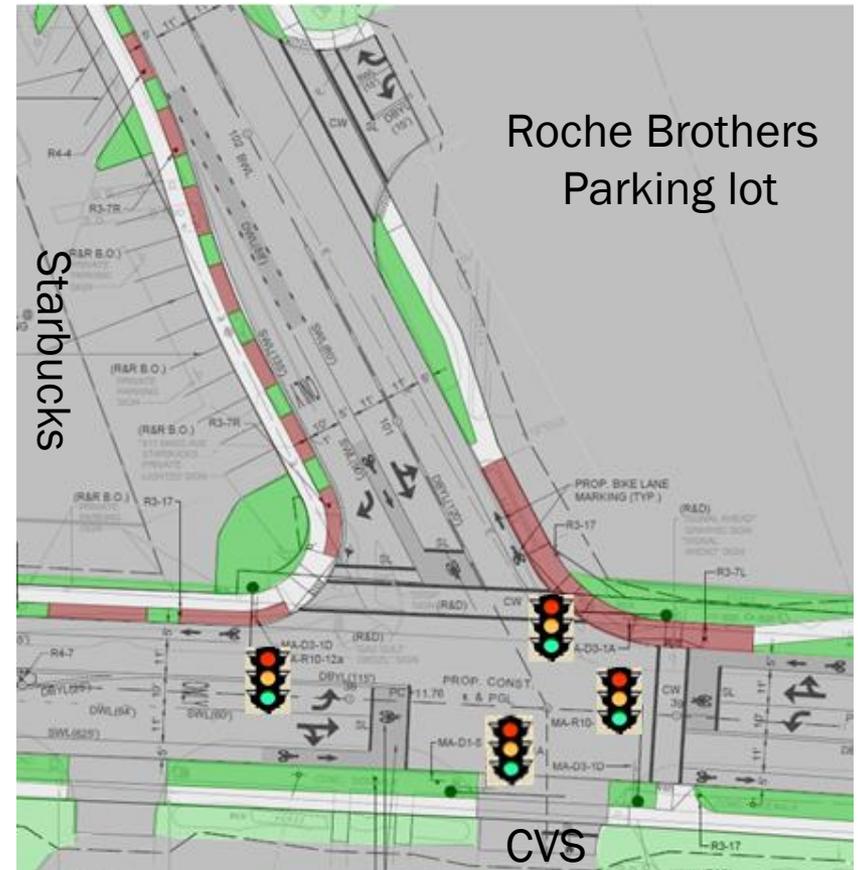
Kelley's Corner Streetscape Improvements



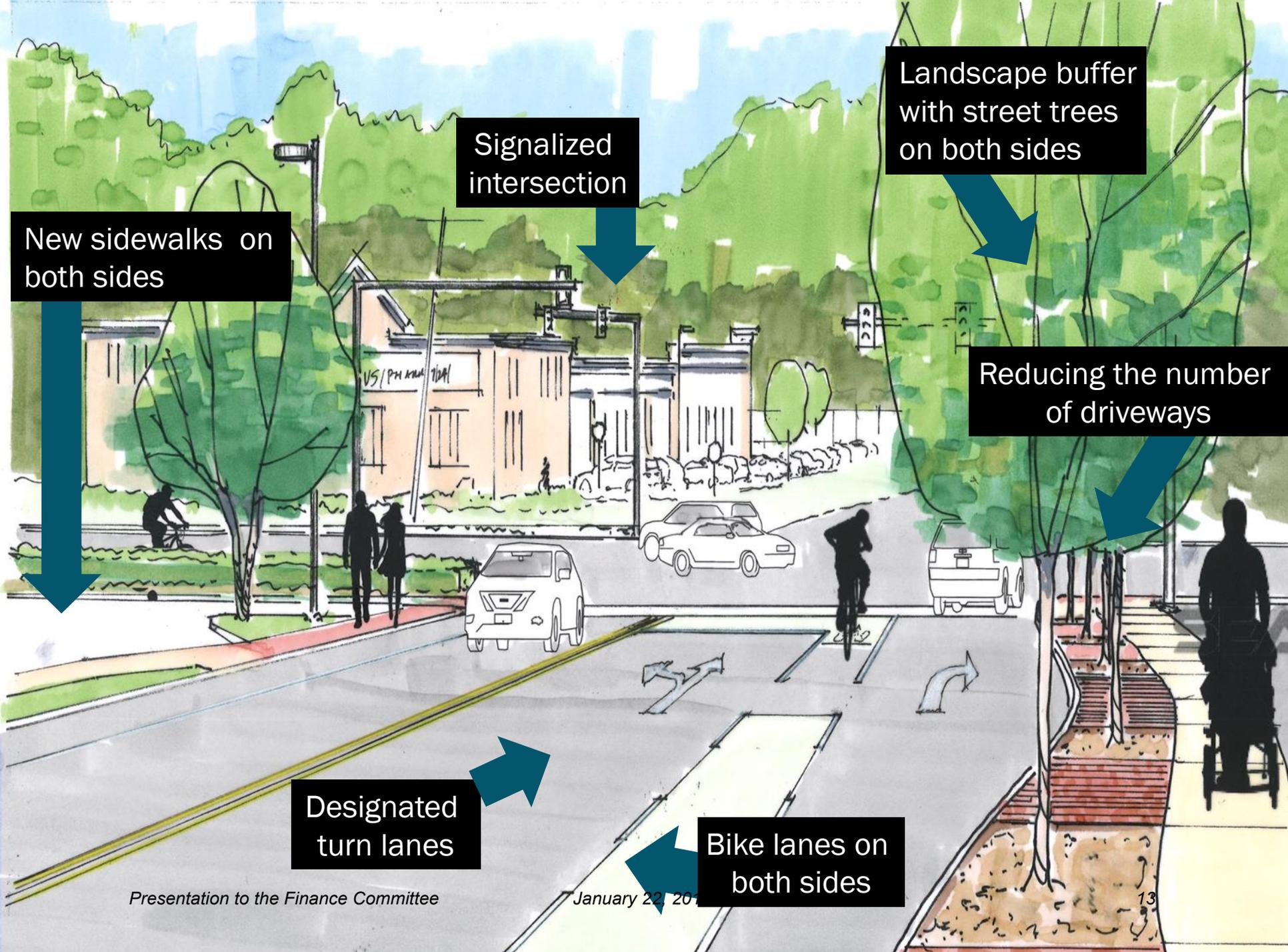
MORE THAN ONE INTERSECTION Main Street and Massachusetts Avenue



MORE THAN ONE INTERSECTION COMMUNITY LANE







New sidewalks on both sides

Signalized intersection

Landscape buffer with street trees on both sides

Reducing the number of driveways

Designated turn lanes

Bike lanes on both sides



Signalized
Intersection and
pedestrian phase

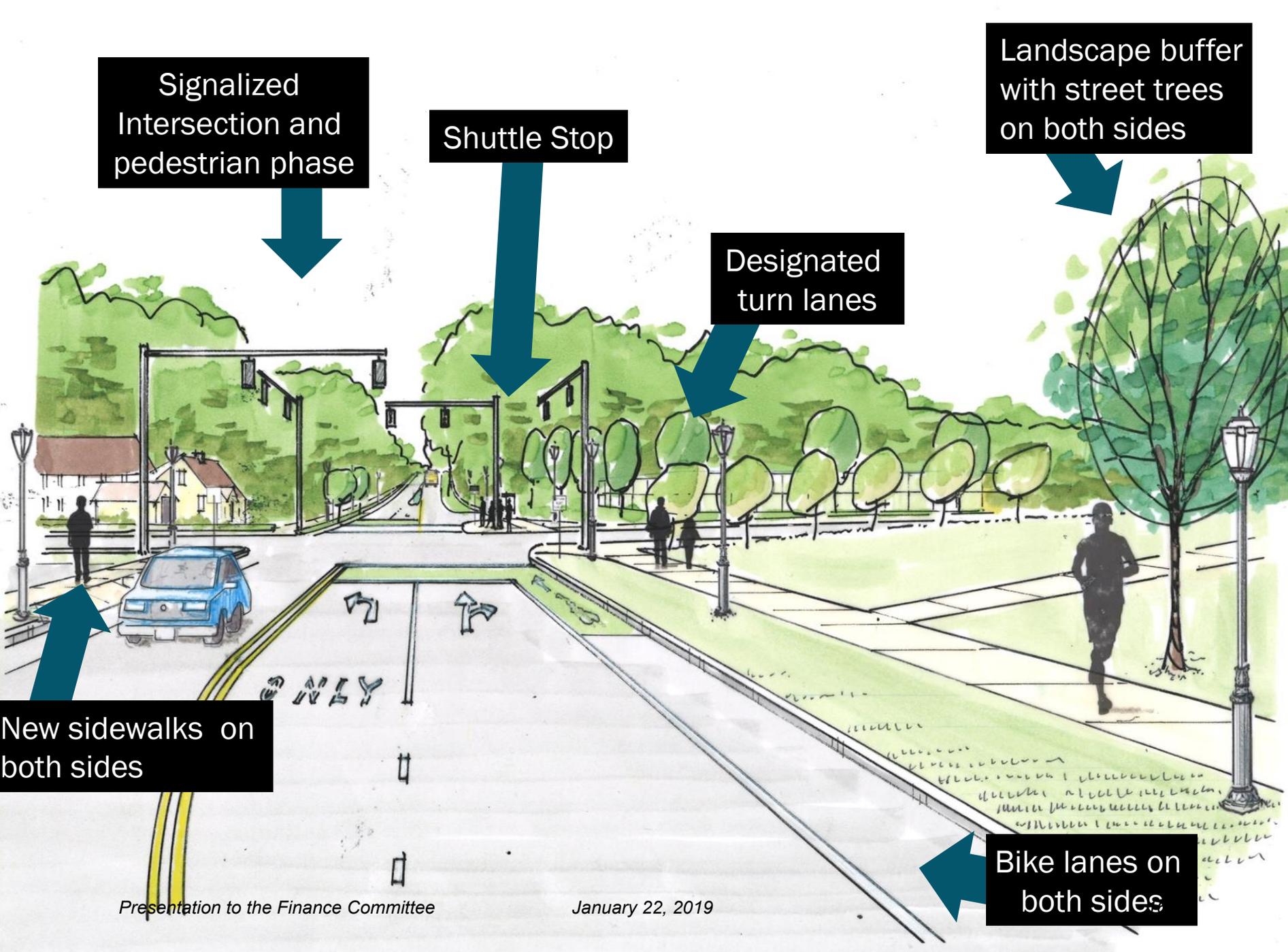
Shuttle Stop

Landscape buffer
with street trees
on both sides

Designated
turn lanes

New sidewalks on
both sides

Bike lanes on
both sides



MOVING FROM ENGINEERING TO CONSTRUCTION

**March 5th
2019**

MassDOT 25%
Public Hearing

**April 1st
2019**

Town Meeting
• Design Services
• Appraisal Services

2020

Town Meeting
• ROW Authorization
• Acquisition Funds

**Dec. 25th
2021**

MassDOT
Construction
Advertising
Date

2022

Construction
State/Fed
investment of
\$14.5 million



KELLEY'S CORNER PROJECT HIGHLIGHTS

- 2.24** miles of new ADA compliant sidewalks
- 157** new street trees of uniform and appropriate species
- 5** new crosswalks; and 4 pedestrian rapid flashing beacons for increased mobility and accessibility throughout the area
- 2** new traffic signals to support safer pedestrian crossings and more efficient vehicle movements
- 73%** reduction in CO emissions
- 4** major intersections redesigned for increased safety
- \$14.5+** (million) significant investment of state and federal funds



QUESTIONS



25% Design

- **Project development** – Scope, roadway layout and overall concept is defined
- **Functional Design Report** - Traffic and safety analysis, construction estimates, air quality analysis
- **Early Environmental Review**
- **Preliminary Right of Way** – Delineates preliminary acquisitions necessary for the project
- **25% MassDOT design review** – MassDOT reviews and provides feedback/requests revisions,
- **25% Design Public Hearing (DPH)**– MassDOT public hearing to solicit additional feedback

75%-100% Design

- **75% Design Hwy submission**– MassDOT directs plan updates after evaluating input from 25%
- **Geotechnical Design**– Borings conducted for proposed retaining walls coordinated and reviewed
- **Landscaping** – Landscape elements /street trees are finalized and detailed
- **Environmental Permitting**- NEPA, 4(f), Army Corp., local wetland permitting
- **Final Right of Way** – Finalizes acquisition areas necessary for the project
- **100% Submission**– Finalized plans and construction estimates submitted to MassDOT

