

Rehabilitation of East Main Street



Town of Ayer

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INTRODUCTIONS

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PROJECT NEED

“WHY ARE WE HERE”

- Roadway / Pavement Reconstruction
- Sidewalk Rehabilitation / Pedestrian Accessibility
- ADA Compliance
- Drainage System Improvements
- Minor Intersection Improvements
- Complete Streets
 - Accommodate all users – Vehicles, pedestrians, bicycles, transit
 - Create a “town street” environment

PROJECT SCHEDULE / FUNDING

- Phase 1 (Current Phase)
 - Public Outreach
 - Data collection
 - Conceptual Layout / Alternatives
 - Functional Design Report
 - Funding Assistance (MassDOT STIP)

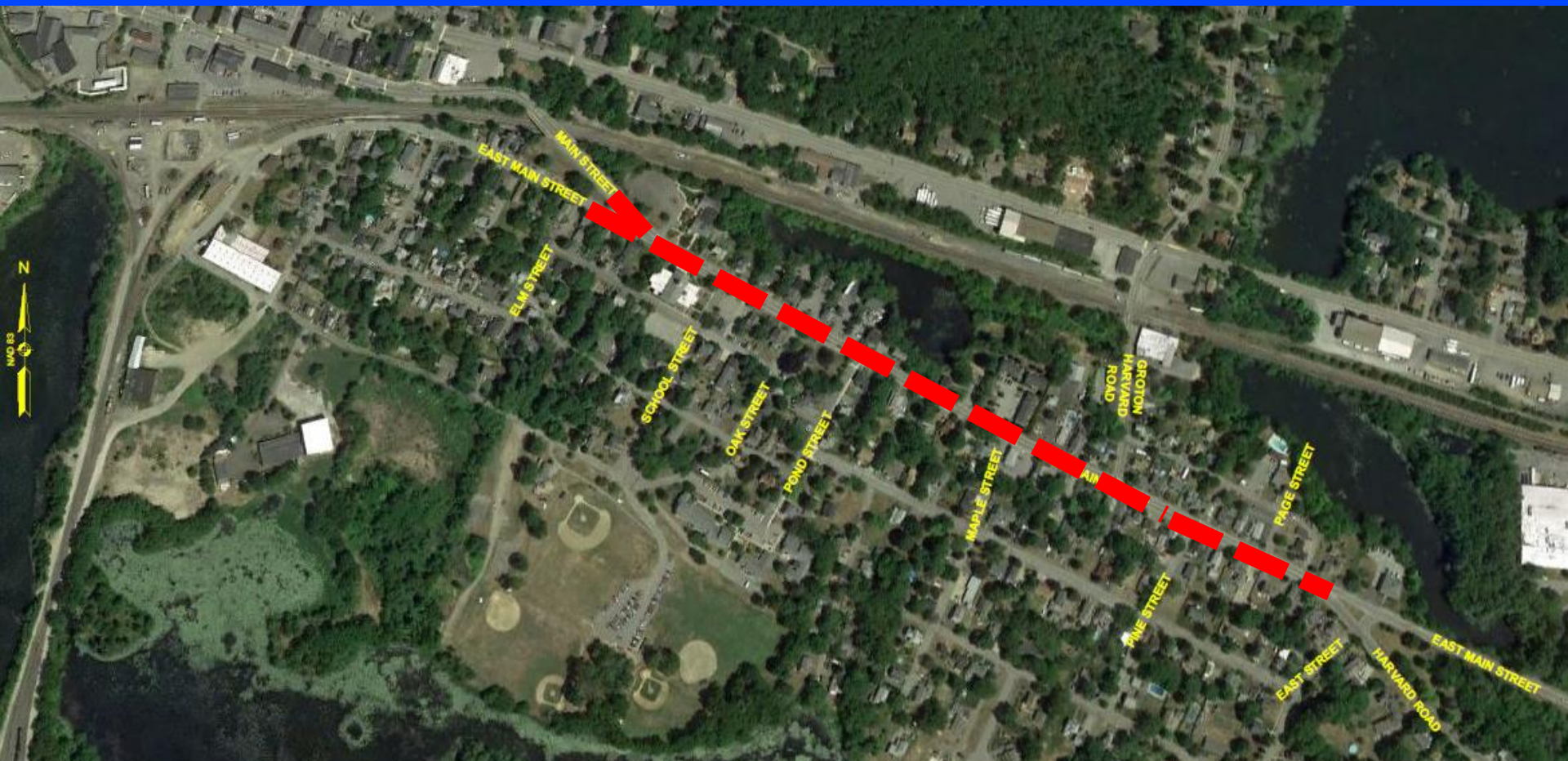
- **State Transportation Improvement Program (STIP)**
 - Administered by Montachusett Region MPO and MassDOT
 - MassDOT reviews design and administers construction
 - Highly competitive multi-year program
 - Funding Request Submitted – March 2014
 - PRC Approval – August 2014

PROJECT SCHEDULE

- Phase 1 (Current Phase)
 - Public Outreach
 - Data collection
 - Conceptual Layout / Alternatives
 - Functional Design Report
 - Funding Assistance
- Phase 2
 - Preliminary / 25% Design
 - Review by MassDOT
 - 25% Design Public Hearing
- Phase 3
 - Final Design (75%/ 100% / PS&E submissions / reviews)
 - Project Award & Construction

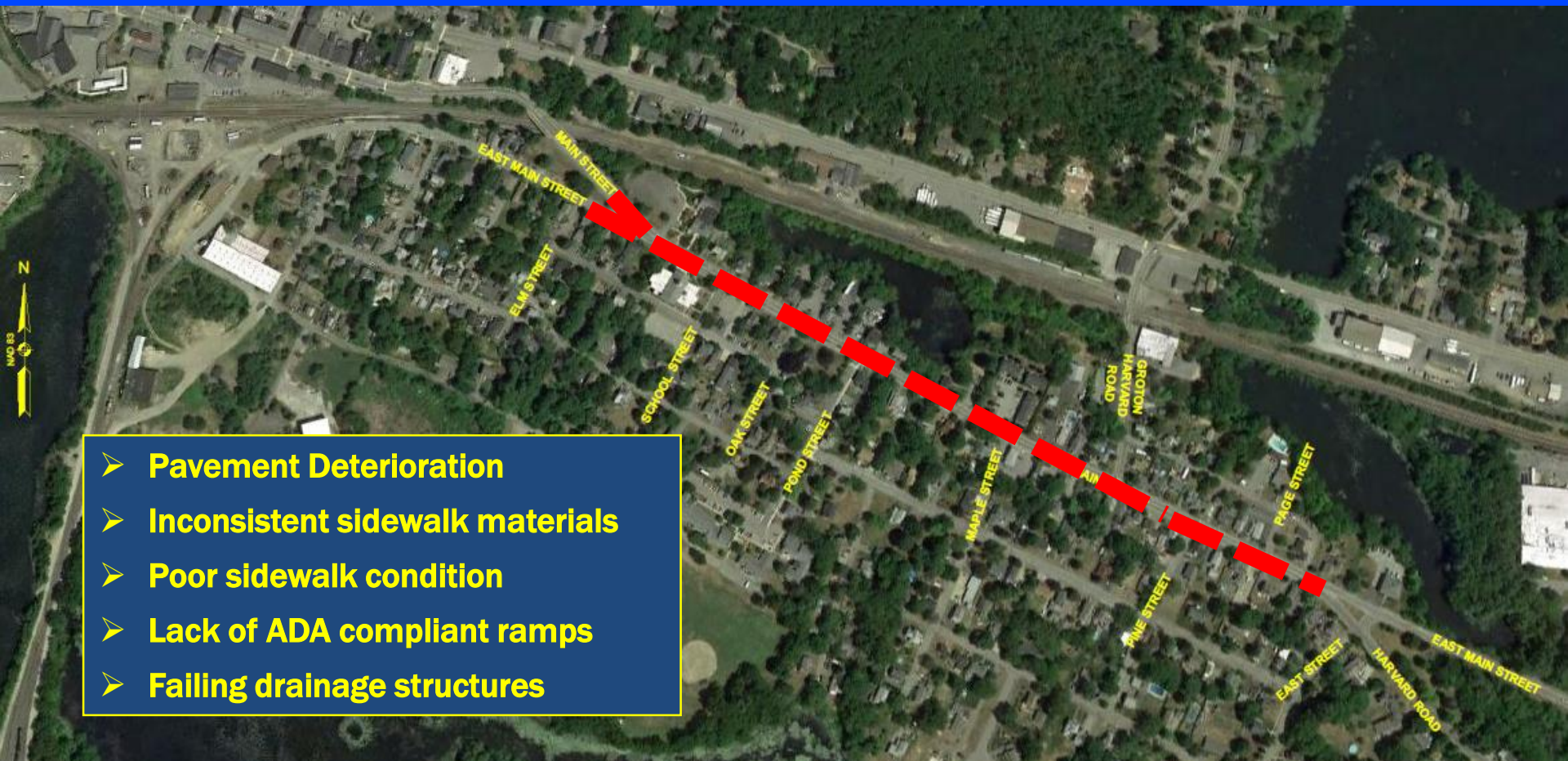
PROJECT LIMITS

East Main Street Corridor



CORRIDOR ANALYSIS

East Main Street Corridor



EXISTING CONDITIONS

Pavement Deterioration



EXISTING CONDITIONS

Inconsistent Sidewalk Materials



EXISTING CONDITIONS

Poor Sidewalk Condition



EXISTING CONDITIONS

ADA Noncompliance



EXISTING CONDITIONS

Drainage Deficiencies



PROJECT GOALS

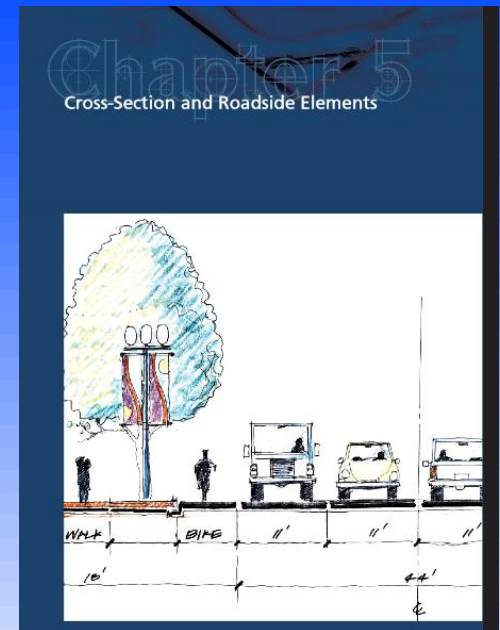
Complete Streets

MassDOT Project Development & Design Guide

“The careful selection of roadway cross-section elements...is needed to achieve a context-sensitive design that **accommodates all users safely**...The goals of selecting an appropriate roadway cross-section and the design of roadside elements are [to] develop a transportation infrastructure that provides **access for all**, a real **choice of modes**, and **safety in equal measure** for each mode of travel.



- Policy to Promote healthy transportation & livable communities
- Triple bicycling, transit, and walking mode share



PLANNED IMPROVEMENTS

General Roadway Upgrades

- Provide new pavement surface and markings
- Provide ADA compliant sidewalks and ramps
- Improve pedestrian crossings
- Install Bicycle lanes or sharrows,
- Upgrade drainage system
- Streetscape enhancements –
provide a “Gateway” to Ayer



Bicycle Lane



Bicycle “Sharrow”



Rapid Flashing Beacon

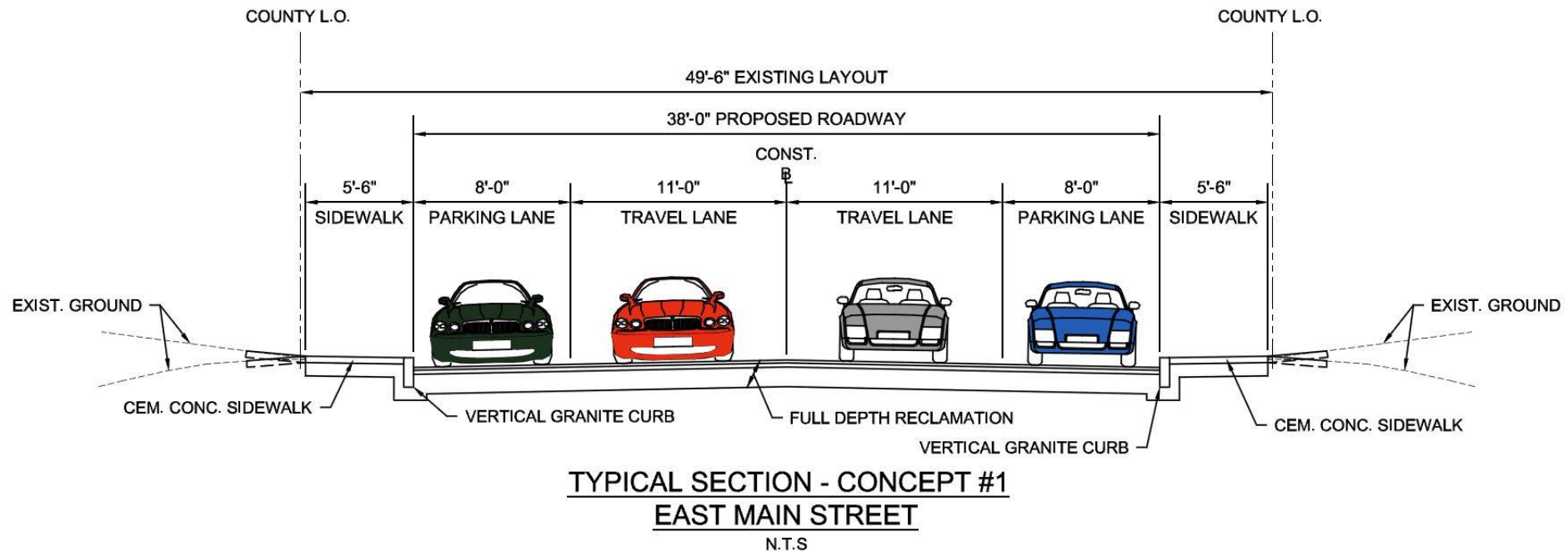
CONCEPTUAL ALTERNATIVES



- 38' Pavement Width
- 13 Foot Travel Lanes
- 6' Shoulders
- 50' Right of Way

Existing Cross Section

CONCEPTUAL ALTERNATIVES

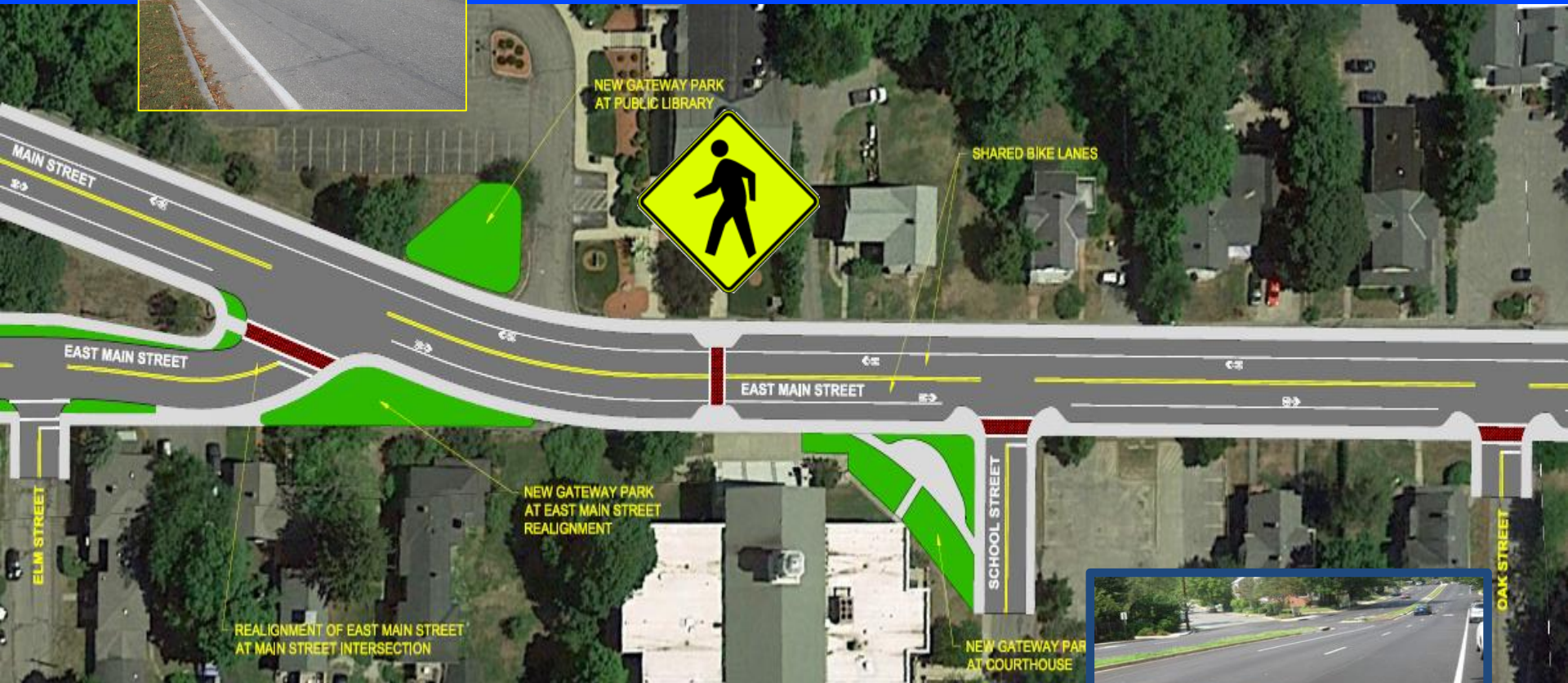


Proposed Cross Section
Concept #1

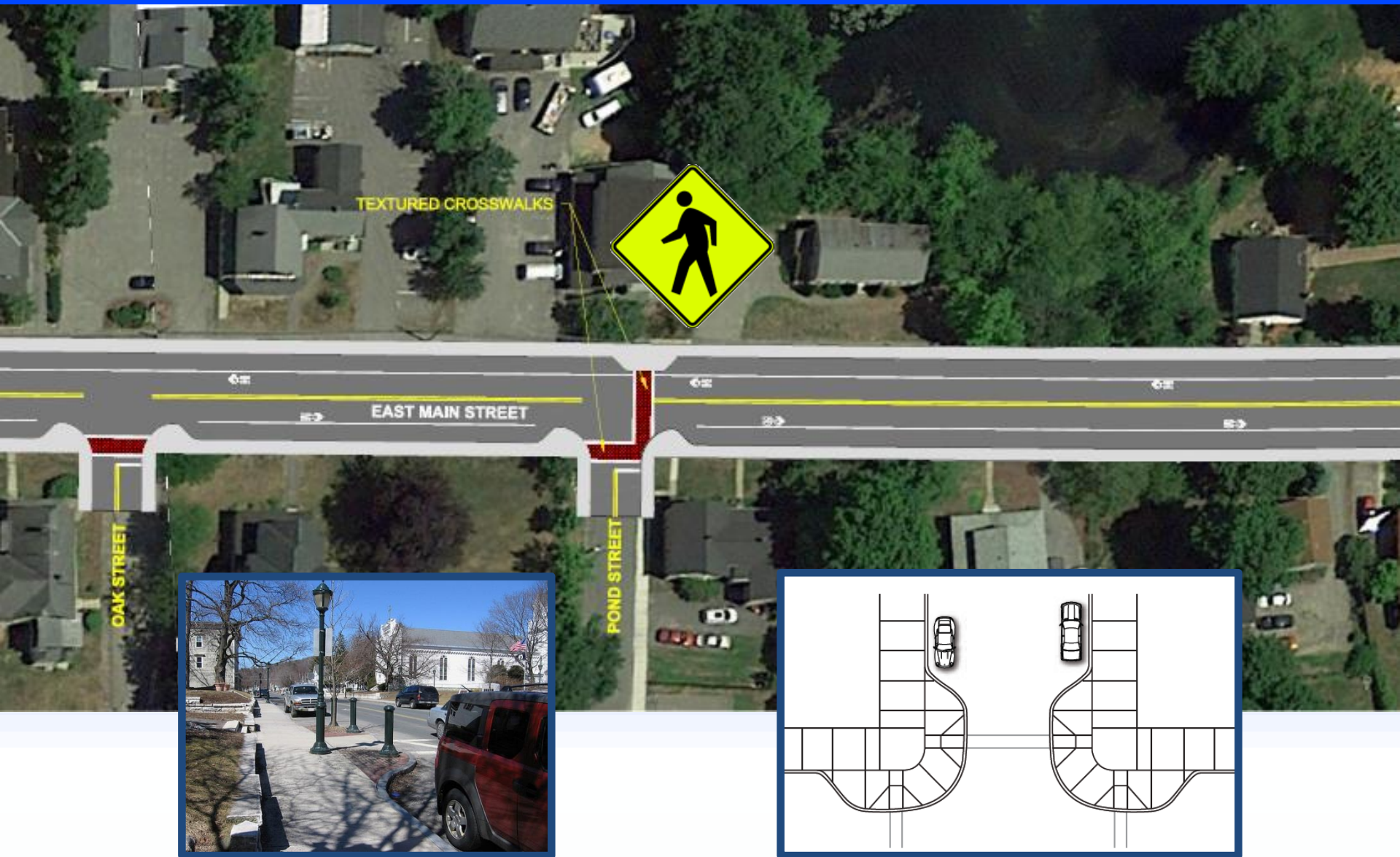
CONCEPT #1 LAYOUT



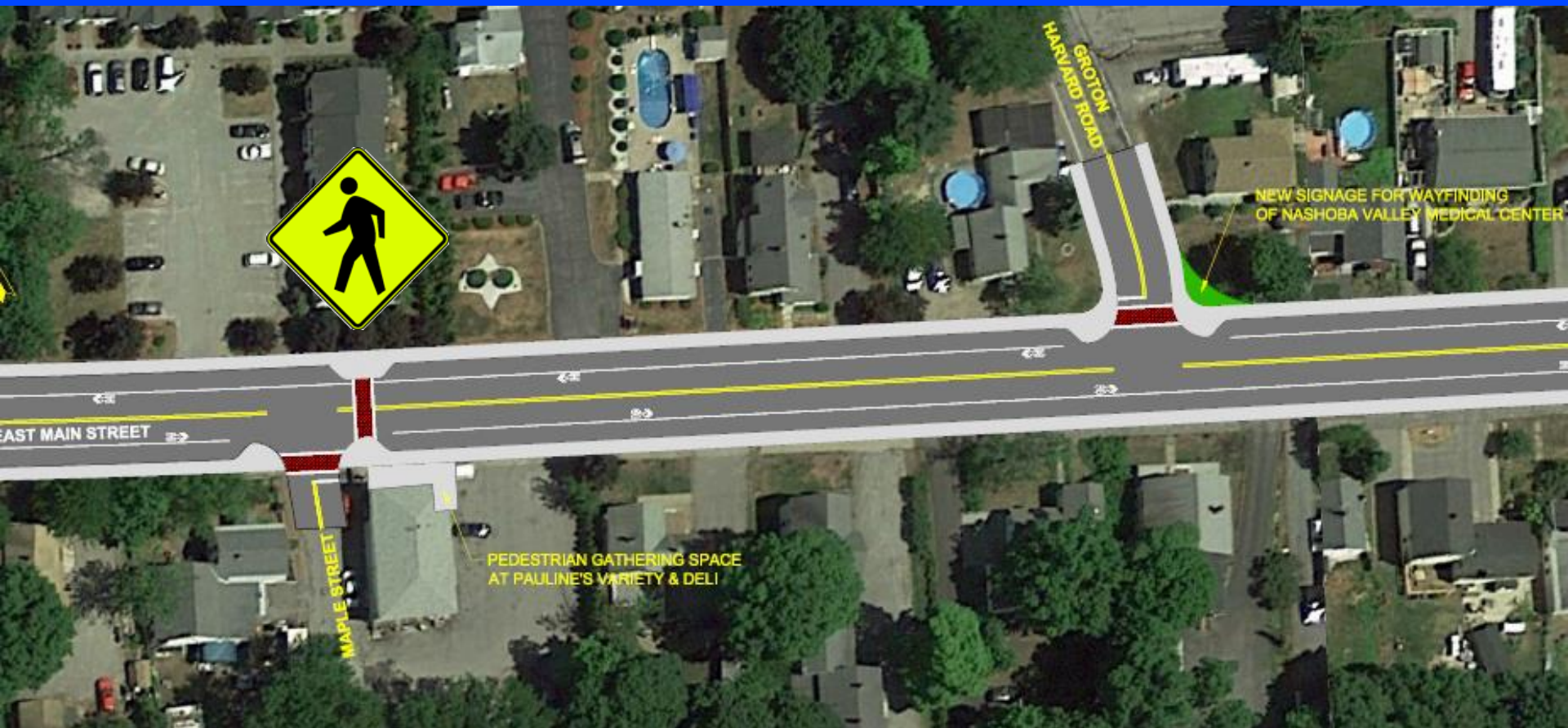
CONCEPT #1 LAYOUT



CONCEPT #1 LAYOUT



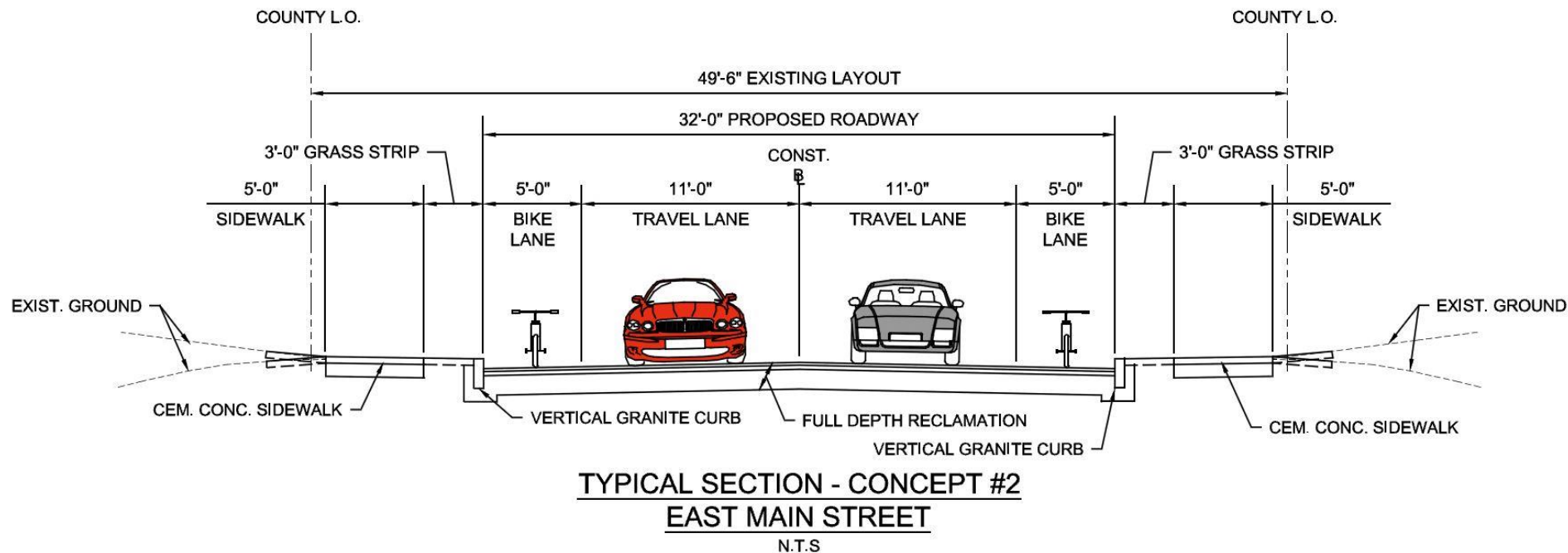
CONCEPT #1 LAYOUT



CONCEPT #1 LAYOUT



CONCEPTUAL ALTERNATIVES

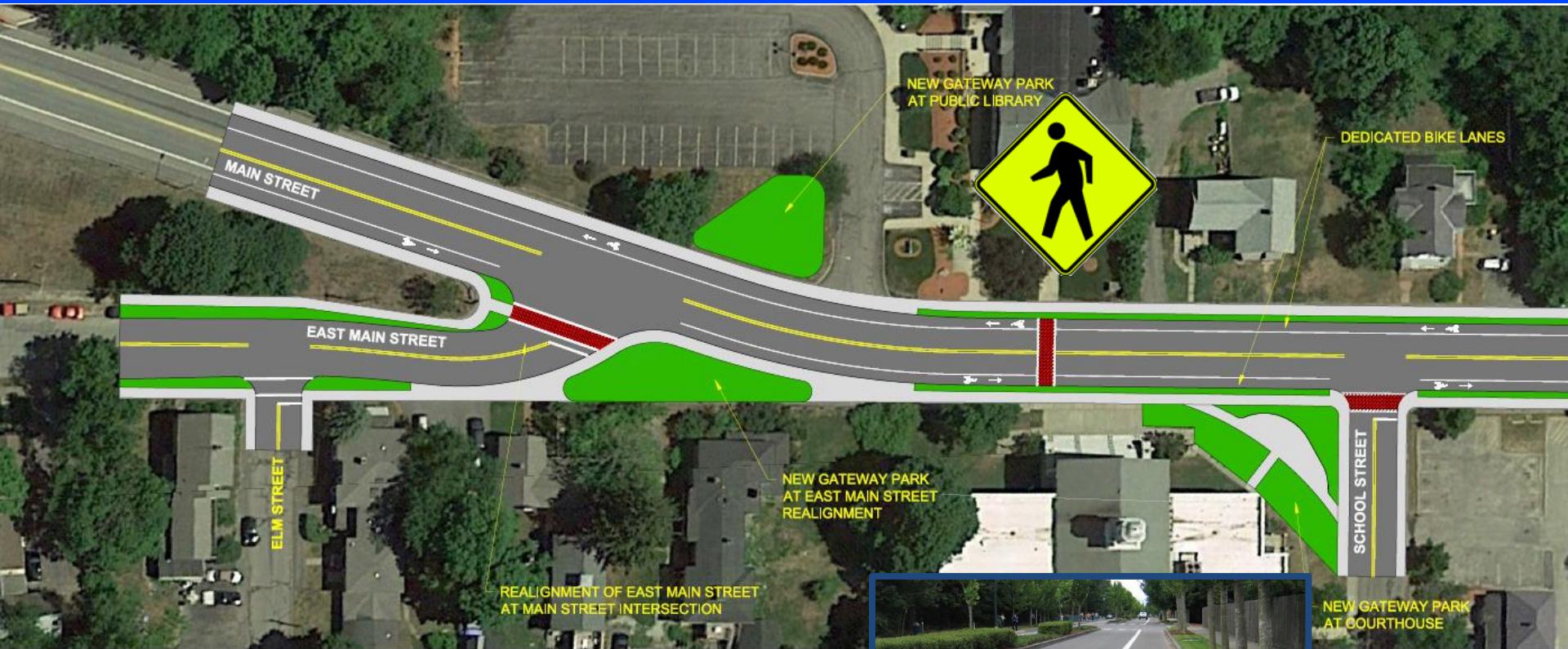


**Proposed Cross Section
Concept #2**

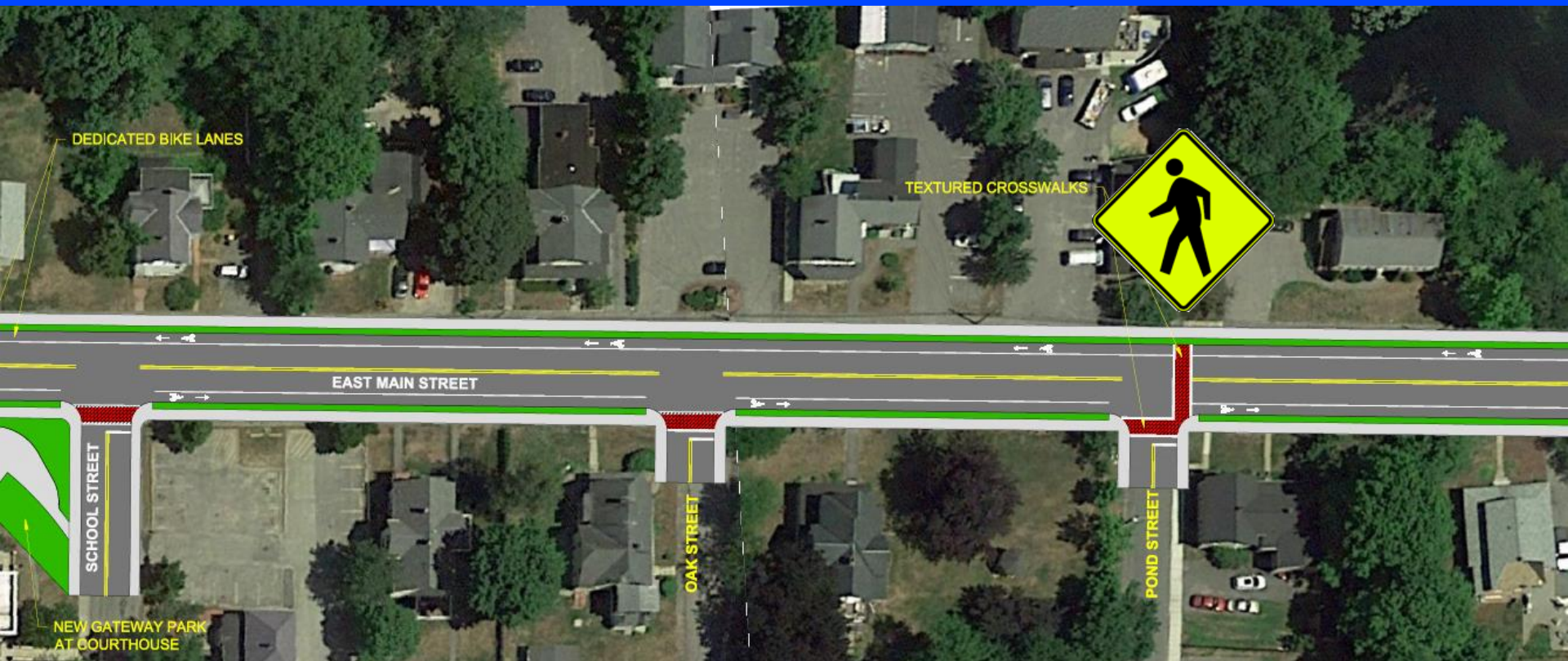
CONCEPT #2 LAYOUT



CONCEPT #2 LAYOUT



CONCEPT #2 LAYOUT



CONCEPT #2 LAYOUT



CONCEPT #2 LAYOUT



NEXT STEPS

Current Phase

- **Conceptual Design**
- **Public Workshop**
- **Functional Design Report**

Next Phase

- **Preliminary (25%) Engineered Design**
- **Utility Coordination**
- **Construction Funding through TIP**
- **Final Design (75%/100%) and Bid Documents**
- **Project Award and Construction**

The Gantt chart displays the following tasks and their durations:

- Notice to Proceed:** March 1 - March 4 (Green bar)
- Project Initiation / Data Acquisition:** March 4 - March 11 (Green bar)
- Funding Assistance:** March 11 - December 1 (Cyan bar with arrowhead)
- Traffic Analysis / FDR:** March 11 - March 18 (Green bar)
- Conceptual Development / Refinement:** March 18 - April 1 (Green bar)
- Neighborhood Workshops:** April 1 - April 8 (Yellow square)
- Environmental Permitting / Coordination:** April 8 - April 15 (Green bar)
- Preliminary / 25% Design Development:** April 15 - April 22 (Green bar)
- MassDOT Design Public Hearing:** April 22 - April 29 (Red bar)
- 75% Design Development:** April 29 - May 6 (Green bar)
- 100% Design Development:** May 6 - May 13 (Green bar)
- Final Design / PS&E:** May 13 - May 20 (Green bar)
- Project Coordination Meetings:** May 20 - May 27 (Green bar)

A red arrow points to the start of the 'MassDOT Design Public Hearing' task on April 22.



QUESTIONS?

