

Transportation Advisory Committee Belmont Center Improvements



TAC Forum #4 – Preferred Plan
Town of Belmont

January 13, 2011

Participants

Linda Nickens Belmont Traffic Advisory Committee

Glenn Clancy Belmont Town Engineer

Peter Briere Traffic Engineer, BSC Group

Marybeth Murphy Landscape Architect, BSC Group

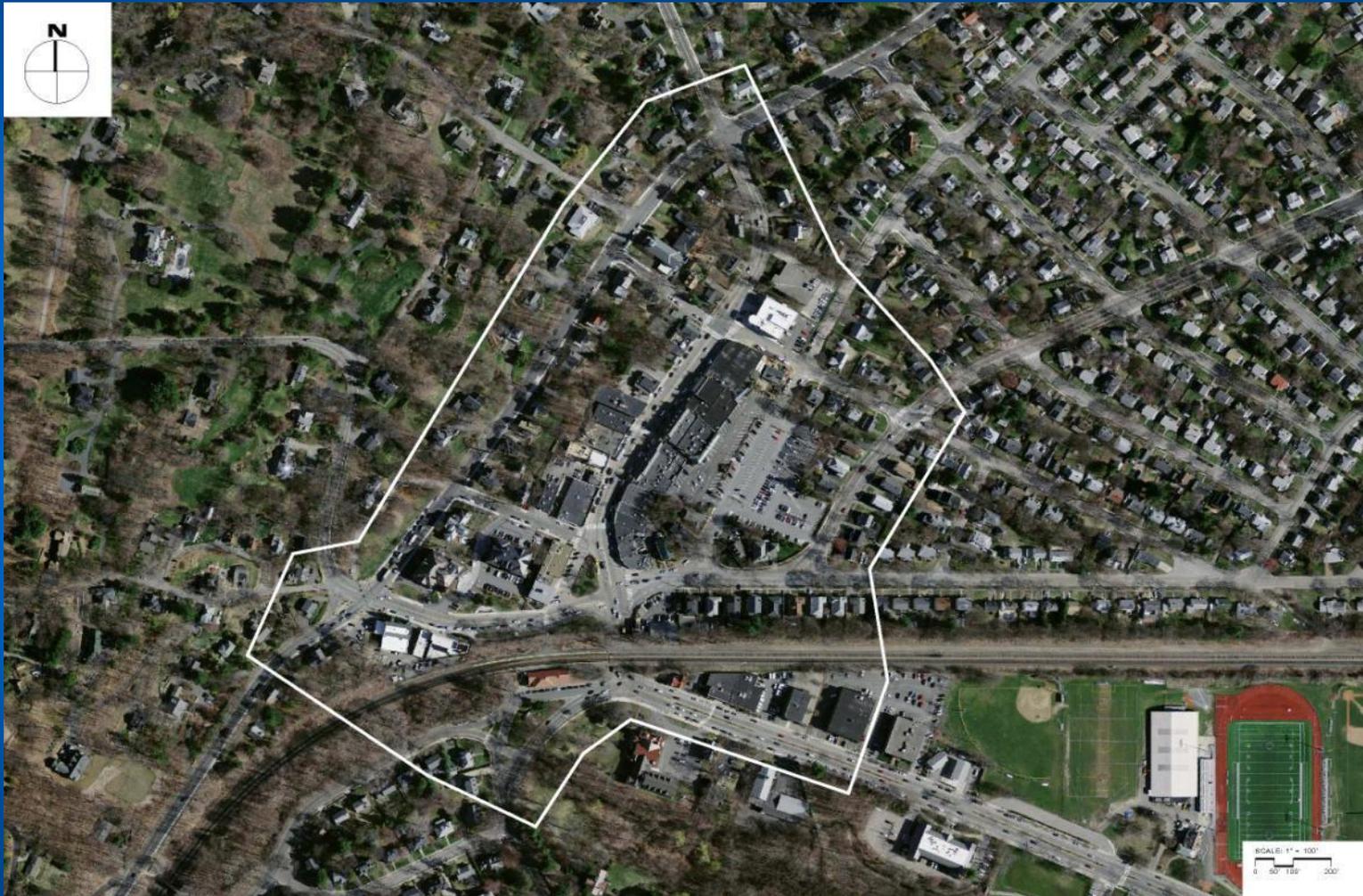
Charles Kalauskas Planner, BSC Group

Purpose of Project

1. Analyze alternatives
2. Determine preferred alternative relative to:
 - Roadway
 - Sidewalk
 - Parking
 - Landscape
3. Initiate design & construction

Study Area Context

Belmont Center



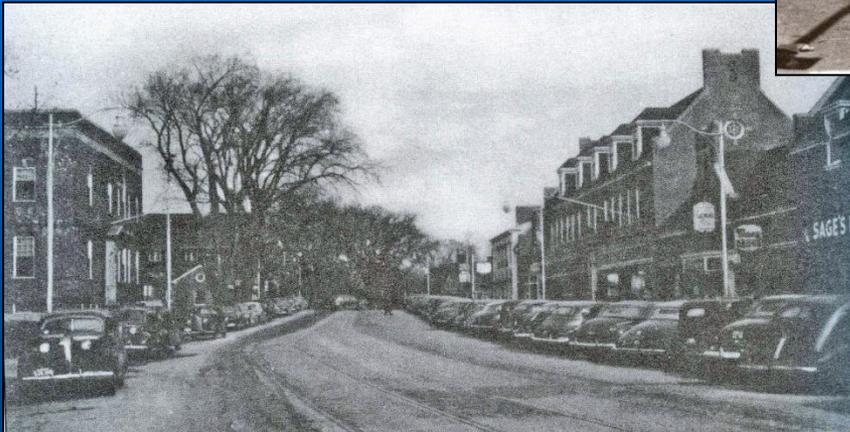
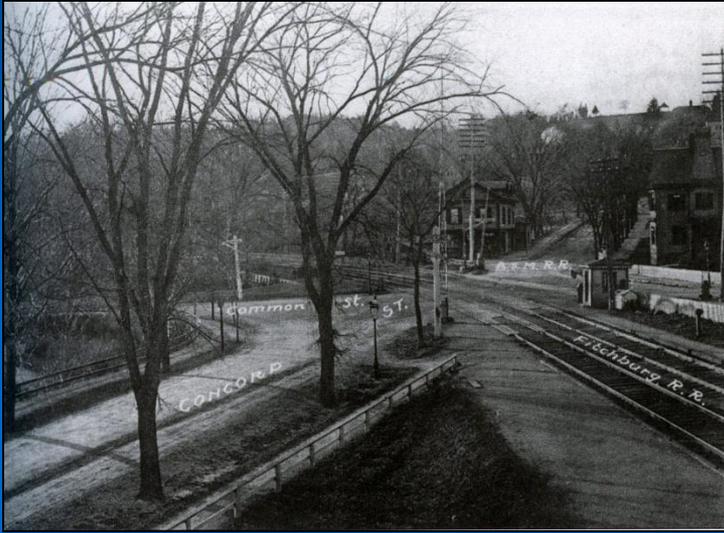
Process

Transportation Advisory Committee #4

(Thursday January 13, 2011)

- Streetscape Enhancements
- Proposed Plan – Overview
- Proposed Plan – Details
 - Traffic
 - Parking
 - Bicycles
 - Pedestrians
 - Streetscape

Belmont Center Historic Streetscape



Images Courtesy of the Belmont Historical Society

Belmont Center Existing Streetscape



Belmont Center Existing Streetscape



Streetscape Concepts



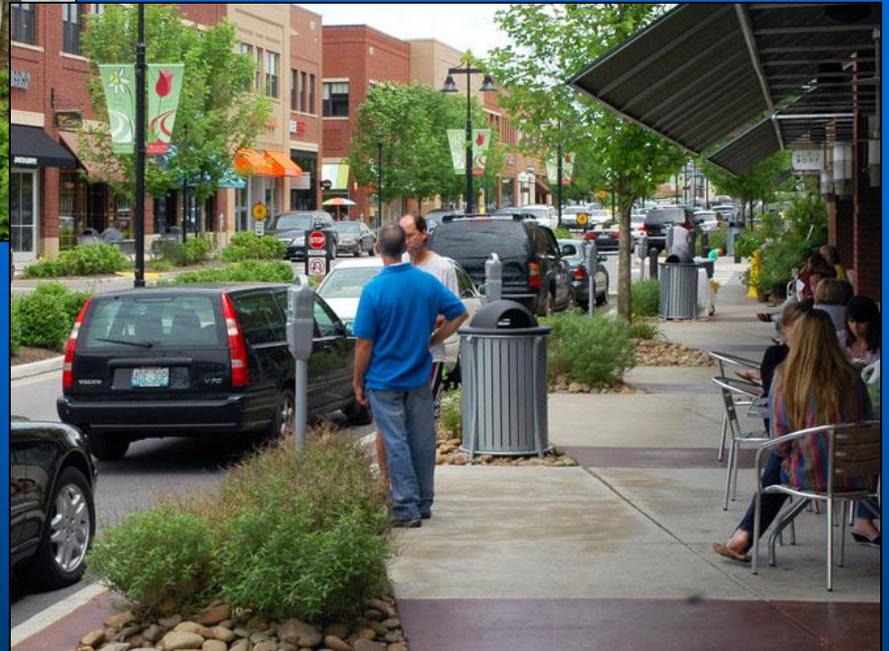
Streetscape Concepts



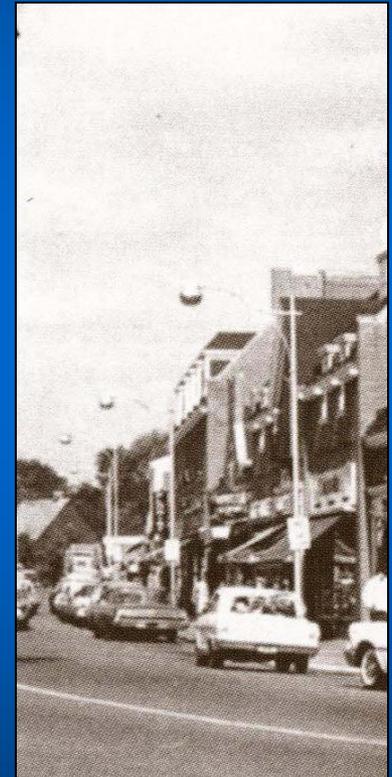
Streetscape Concepts



Streetscape Concepts



Streetscape Lighting



Streetscape Banners & Hanging Baskets



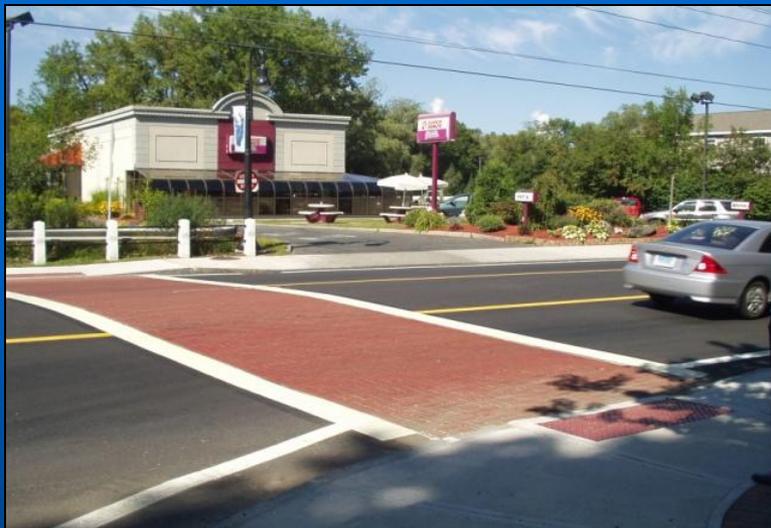
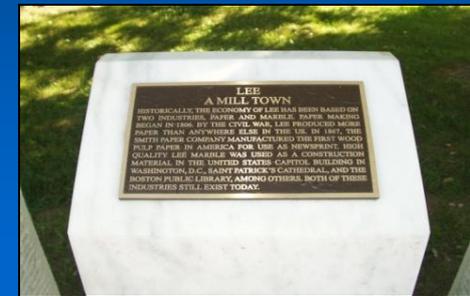
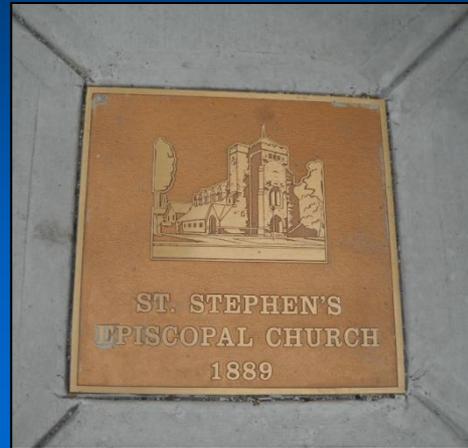
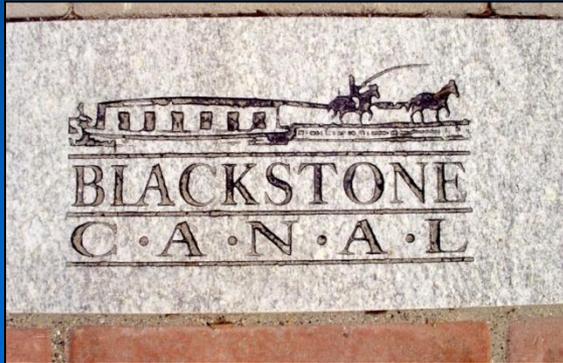
Streetscape Furnishings



Streetscape - Planters



Streetscape Enhancements



Streetscape Paving



Proposed Plan

Proposed Plan Project Area



Proposed Plan

Recently Completed Projects



Proposed Plan Central Mass Rail Trail



Proposed Plan

Option 1 – Parallel Parking

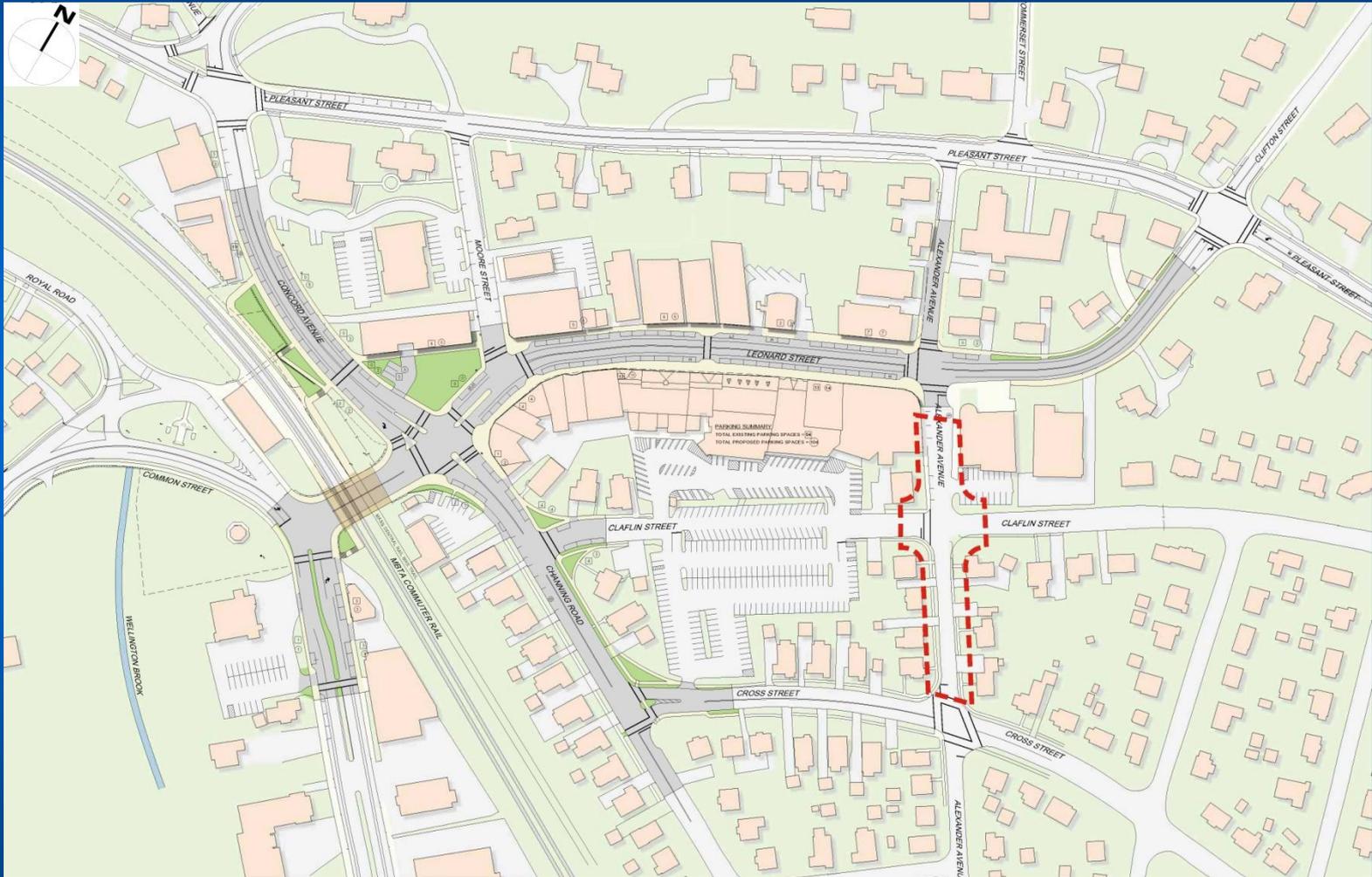


Proposed Plan

Option 2 – Angle Parking



Proposed Plan Future Improvement

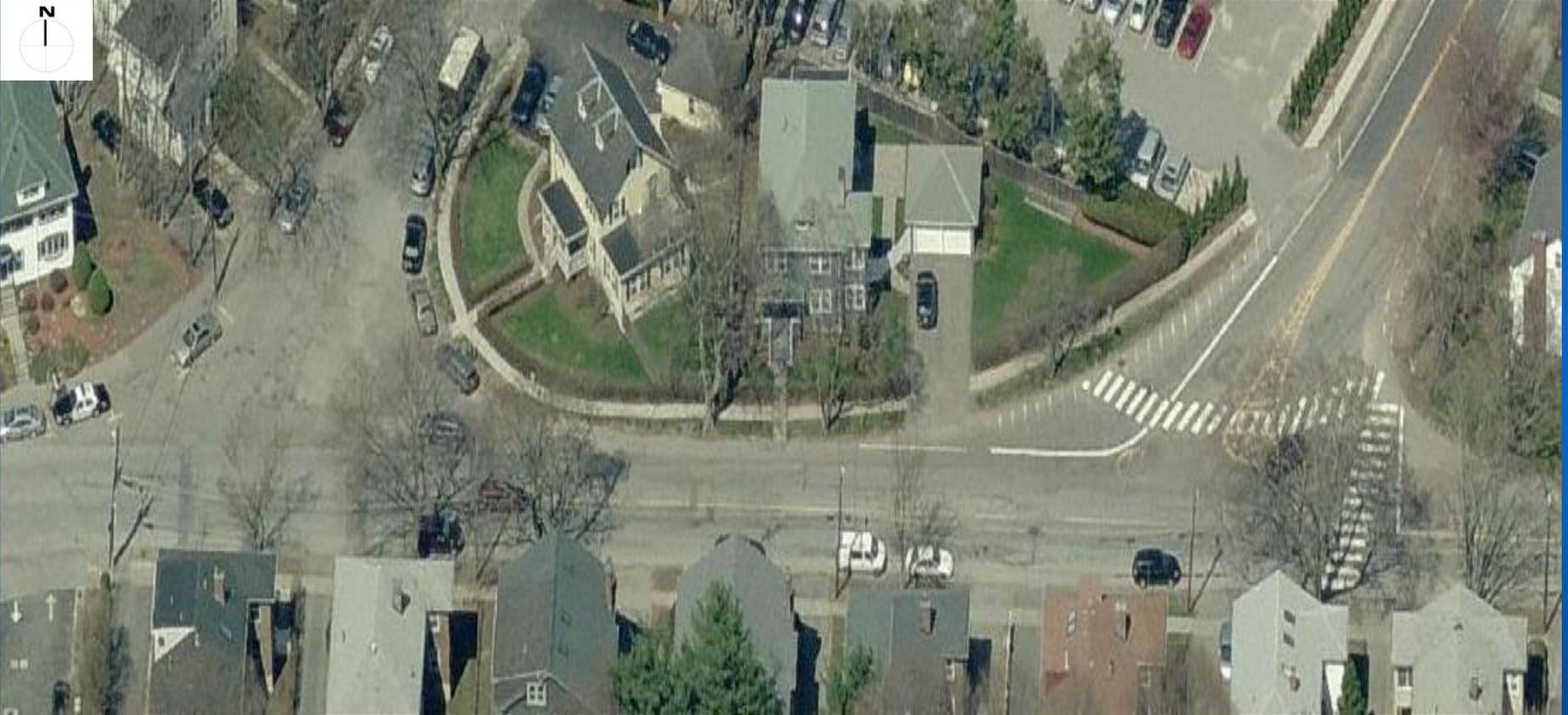


Review of Proposed Plan

1. Channing Road - Concord to Cross
2. Leonard - Pleasant to Alexander
3. Leonard - Alexander to Moore
4. Concord - Pleasant to Leonard
5. Leonard - Moore to Concord
6. Intersection at Concord / Common

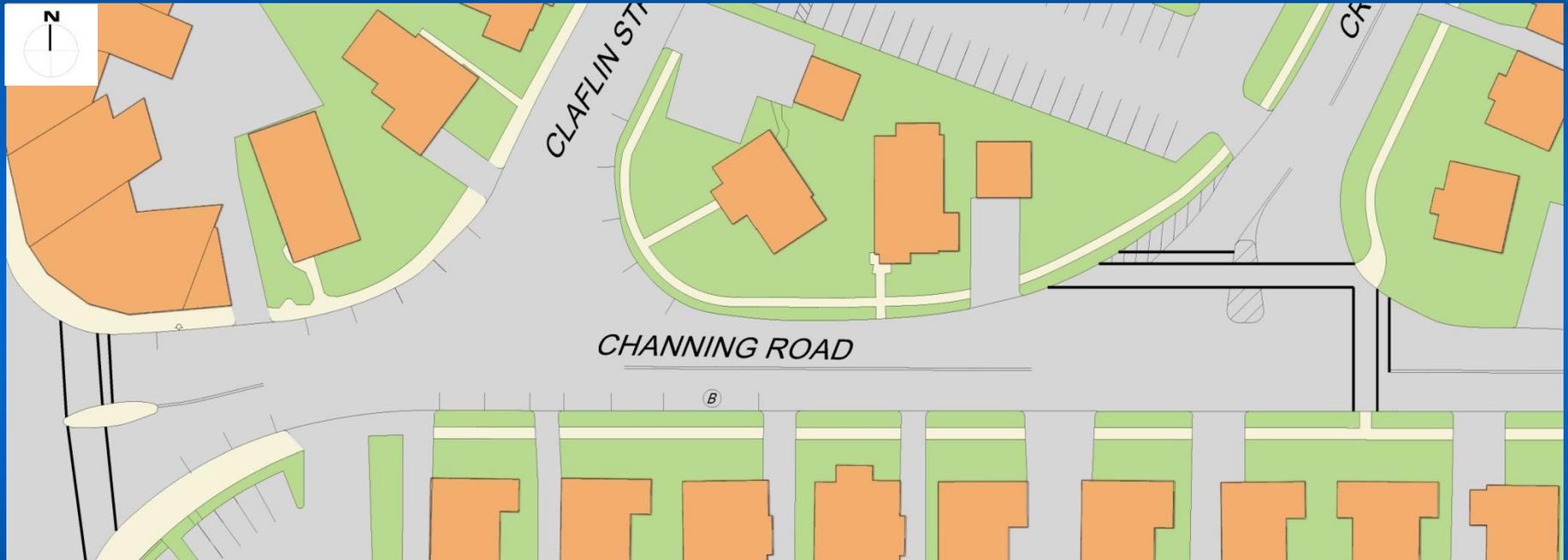
Channing Road

Bird's Eye



Channing Road

Existing Plan View



Channing Road Proposed Plan View



Channing Road

Discussion



Leonard, Pleasant to Alexander

Birds Eye



Leonard, Pleasant to Alexander

Existing Plan View



Leonard, Pleasant to Alexander

Proposed Plan View



Leonard, Pleasant to Alexander

Discussion



Leonard St. – Moore St. to Alexander Ave.

Bird's Eye

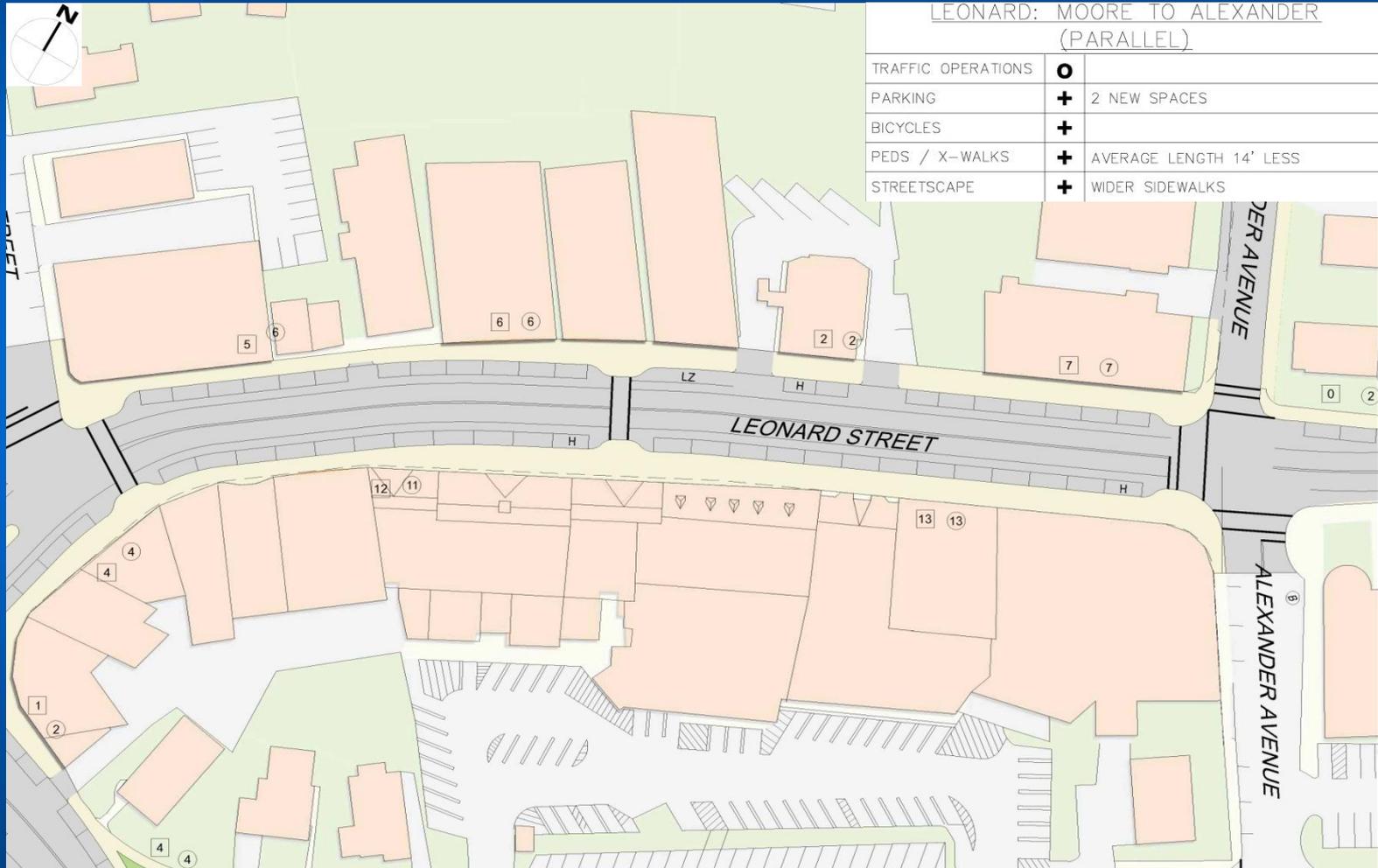


Leonard St. – Moore St. to Alexander Ave. Existing Plan View



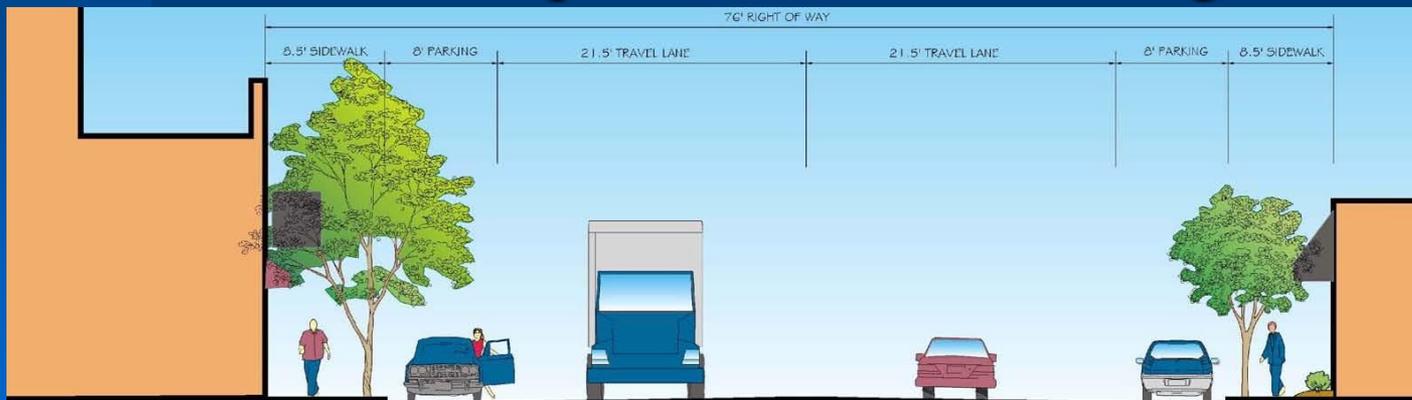
Leonard St. – Moore St. to Alexander Ave.

Proposed Conditions: Parallel Parking Analysis

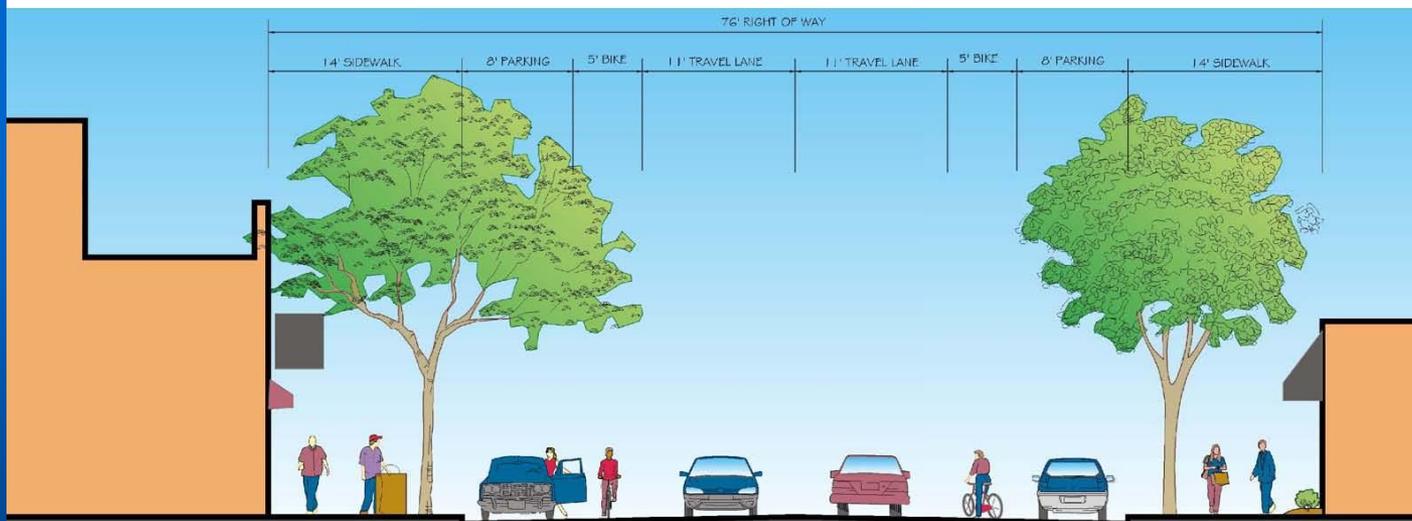


Leonard St. – Moore St. to Alexander Ave.

Cross Sections: Proposed Parallel Parking at Macy's



EXISTING



PROPOSED

Leonard St. – Moore St. to Alexander Ave.

Streetscape with Parallel Parking

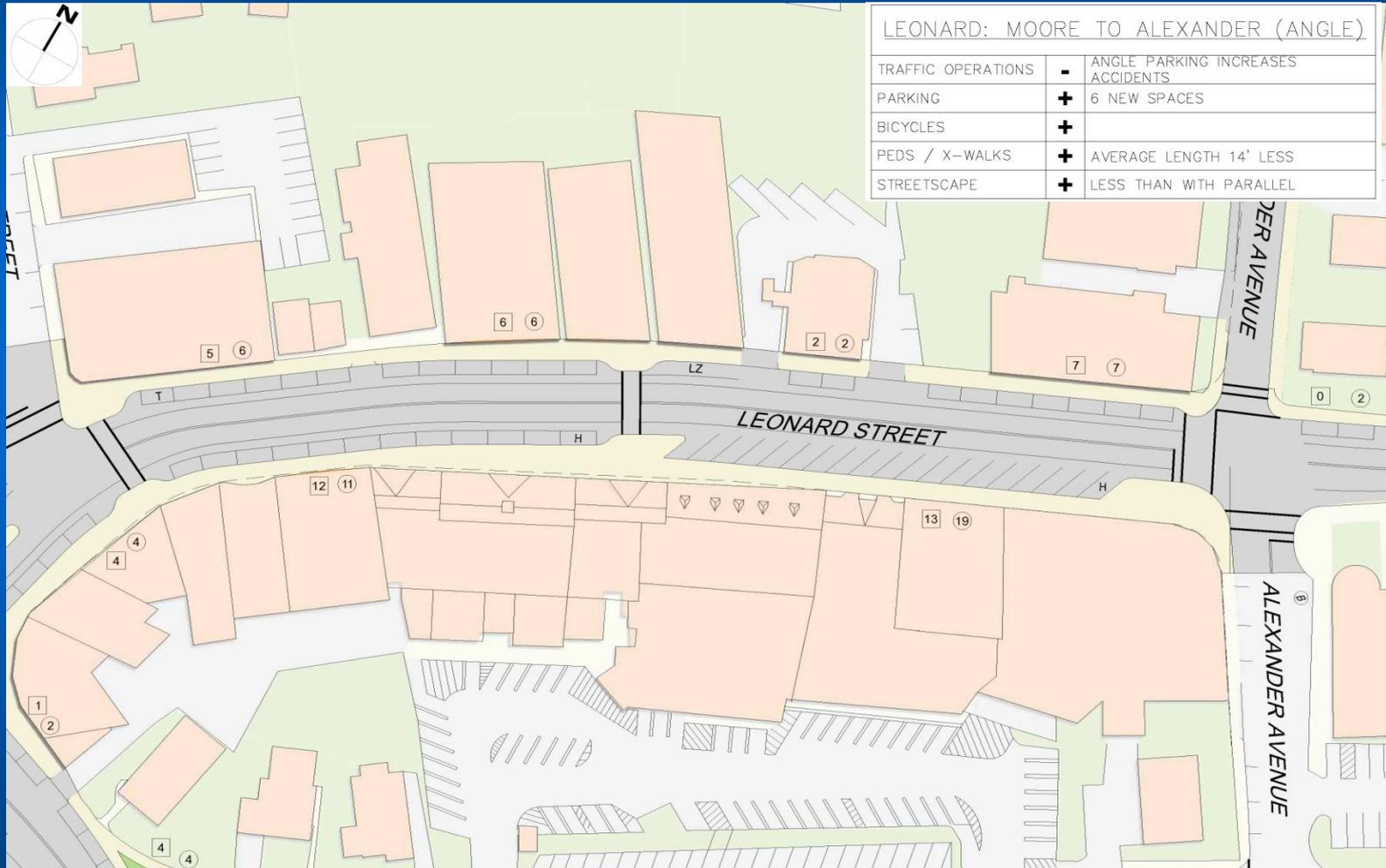


Leonard St. – Moore St. to Alexander Ave. Parallel Parking Before and After



Leonard St. – Moore St. to Alexander Ave.

Proposed Conditions: Angle Parking



Leonard St. – Moore St. to Alexander Ave. Angle Parking Before and After



Leonard St. – Moore St. to Alexander Ave.

Angle Parking Before and After



Leonard St. – Moore St. to Alexander Ave.

Sidewalk View - Before and After



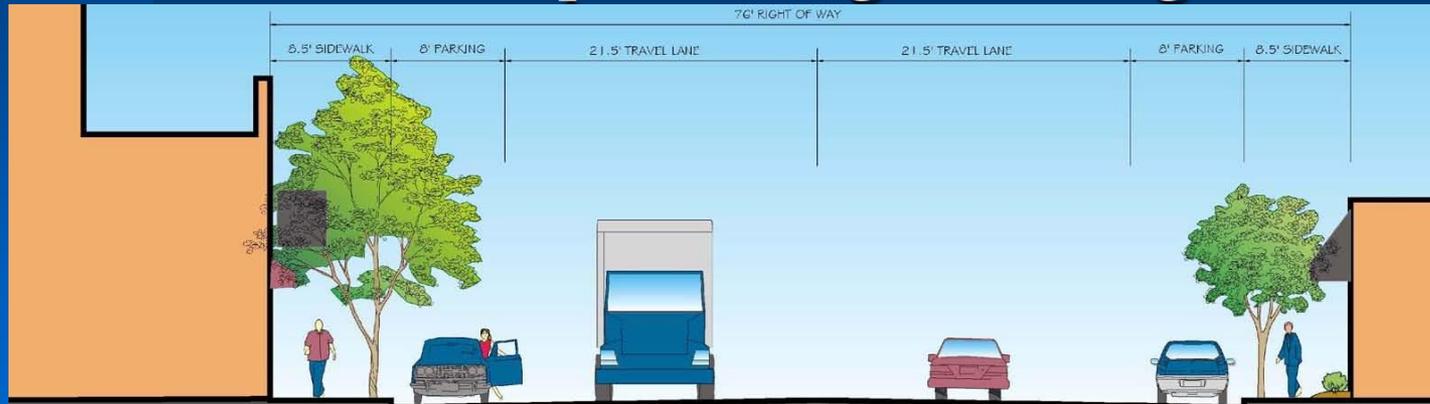
Leonard St. – Moore St. to Alexander Ave.

Issues with Angle Parking

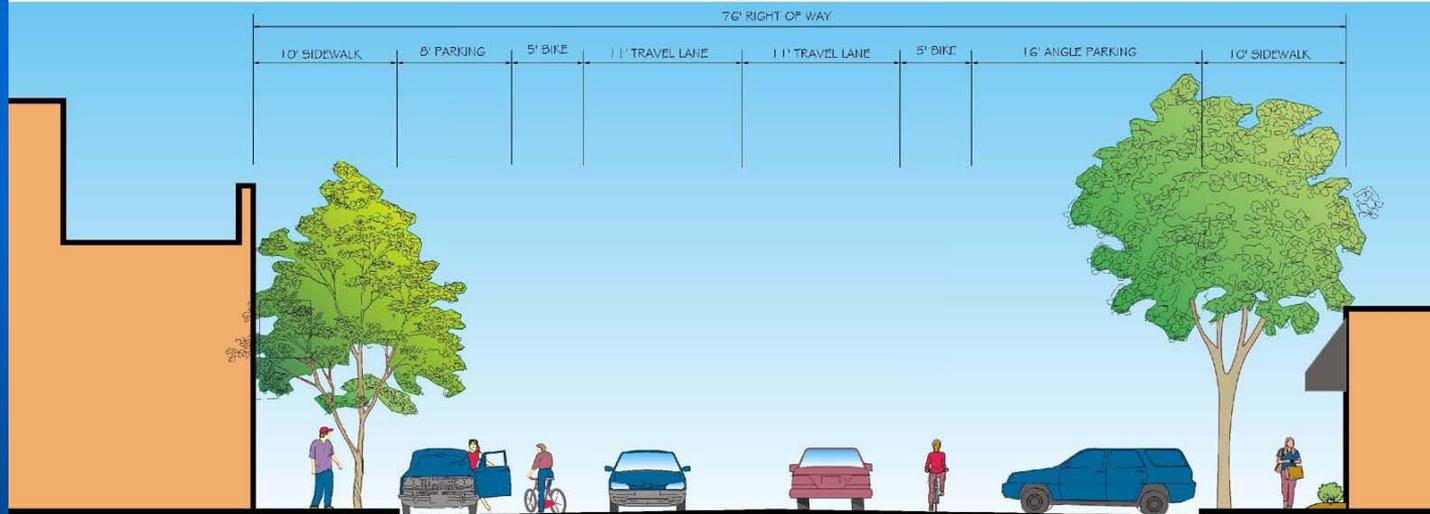
1. Crash rate 1.3 to 3 times greater
2. Parking spaces more difficult to find –
Distracts Drivers Attention
3. Encourages U-turns
4. Angle Parking was removed

Leonard St. – Moore St. to Alexander Ave.

Cross Sections: Proposed Angle Parking At Macy's



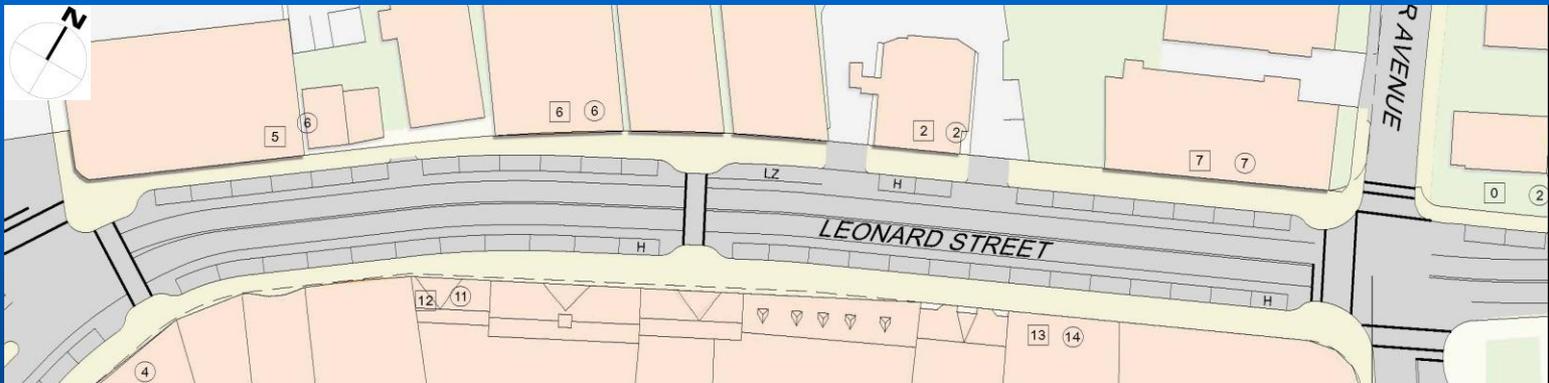
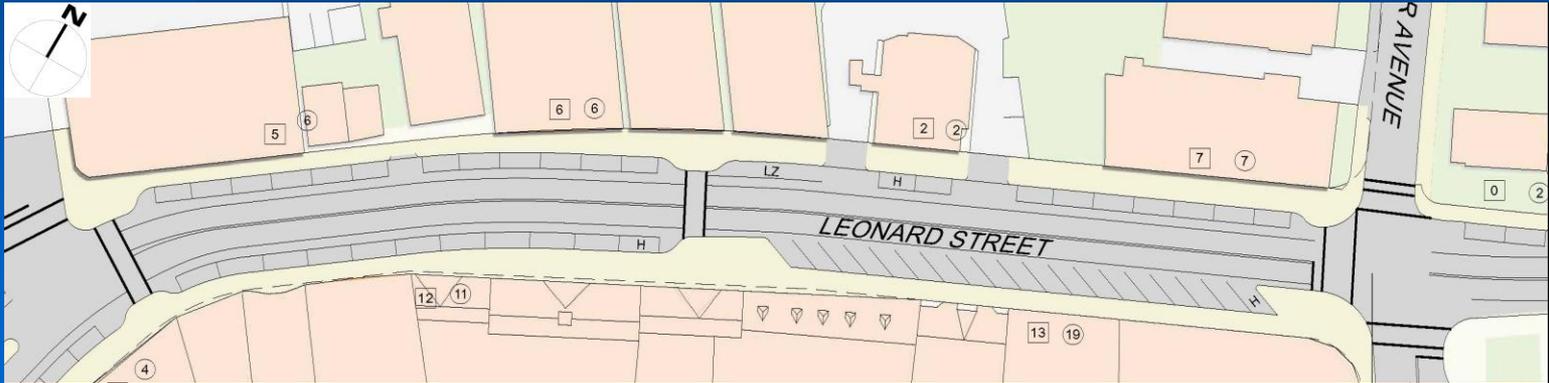
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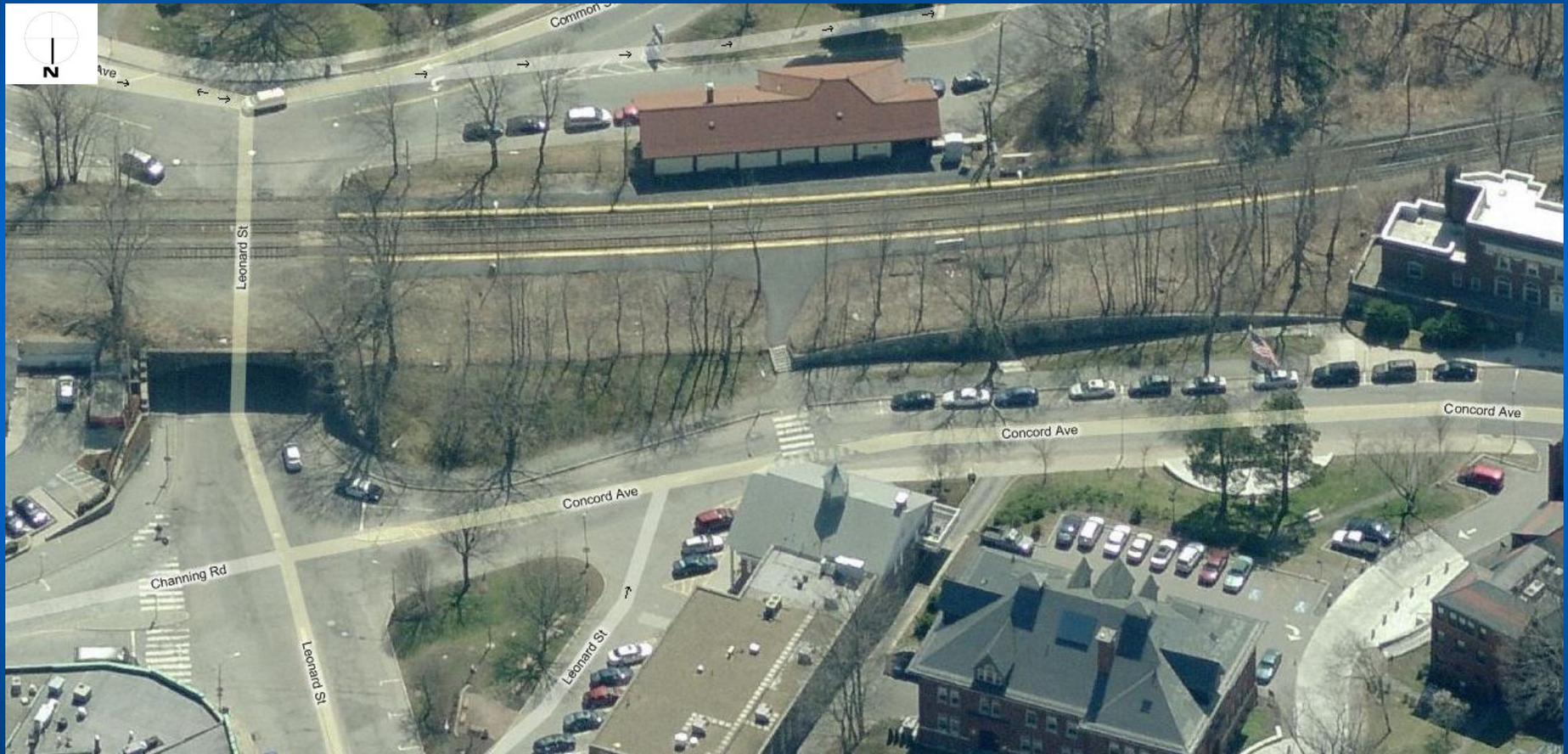
PROPOSED

Leonard St. – Alexander Ave. to Moore St.

Discussion



Concord Ave. – Leonard St. to Pleasant St. Bird's Eye View

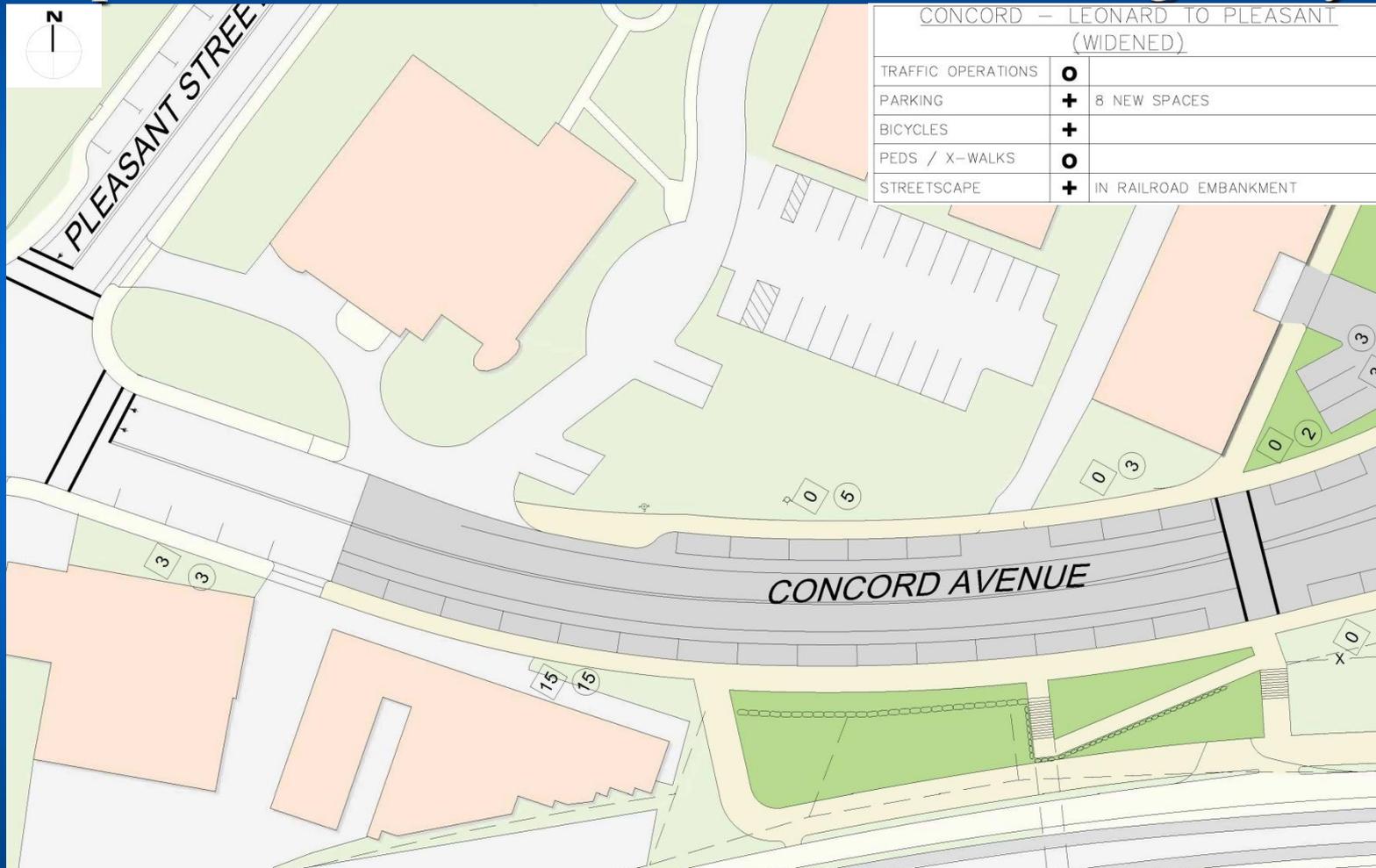


Concord Ave. – Leonard St. to Pleasant St.

Existing Conditions



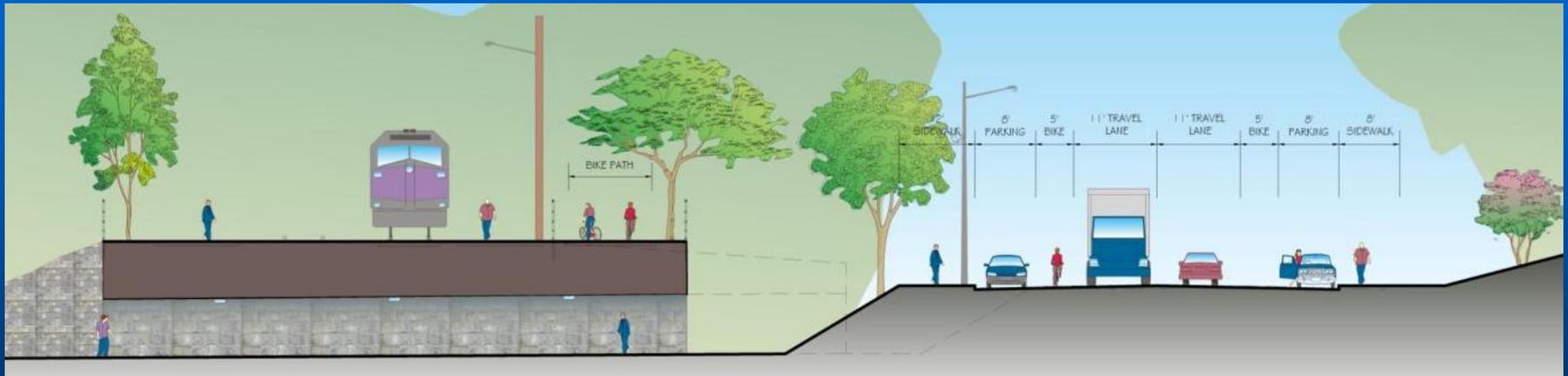
Concord Ave. – Leonard St. to Pleasant St. Proposed Conditions: Widened with Parking Analysis



Concord Ave. – Leonard St. to Pleasant St. Cross Sections at Pedestrian Path



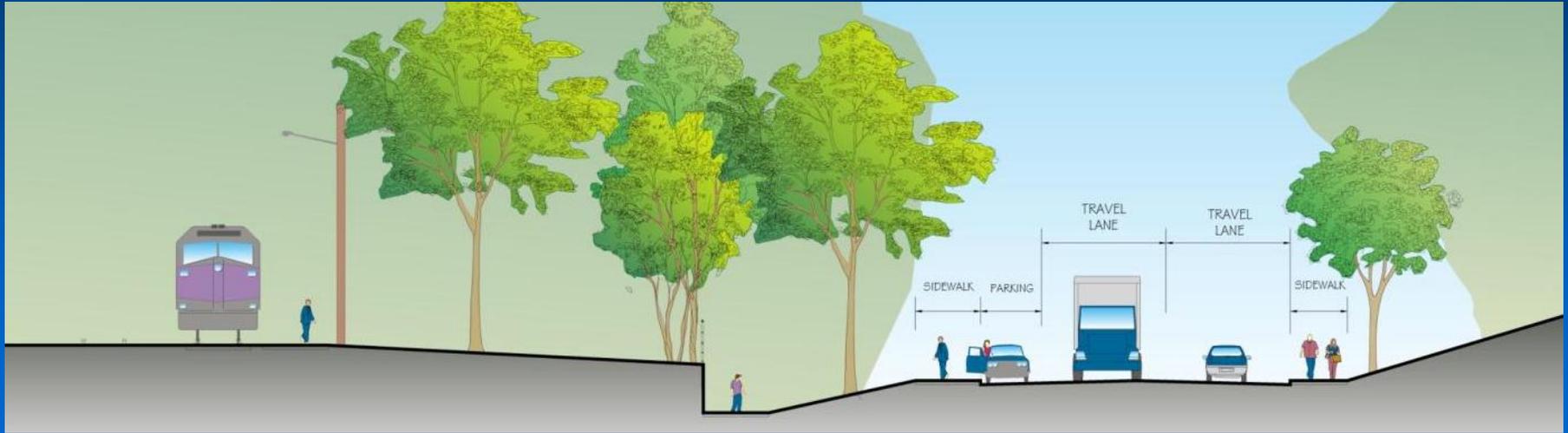
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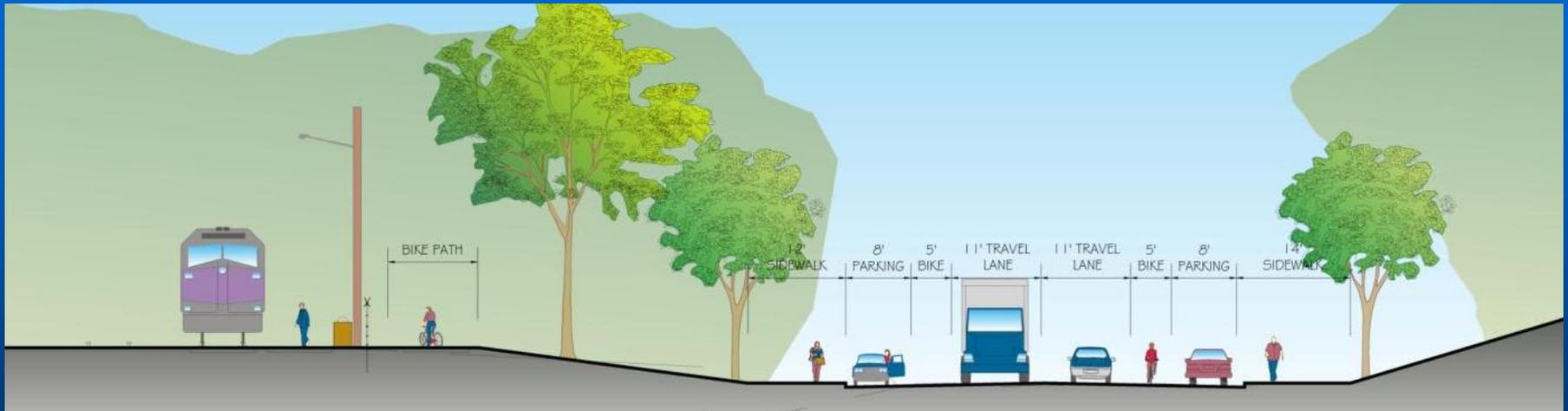
PROPOSED

Concord Ave. – Leonard St. to Pleasant St.

Cross Sections West of Pedestrian Path

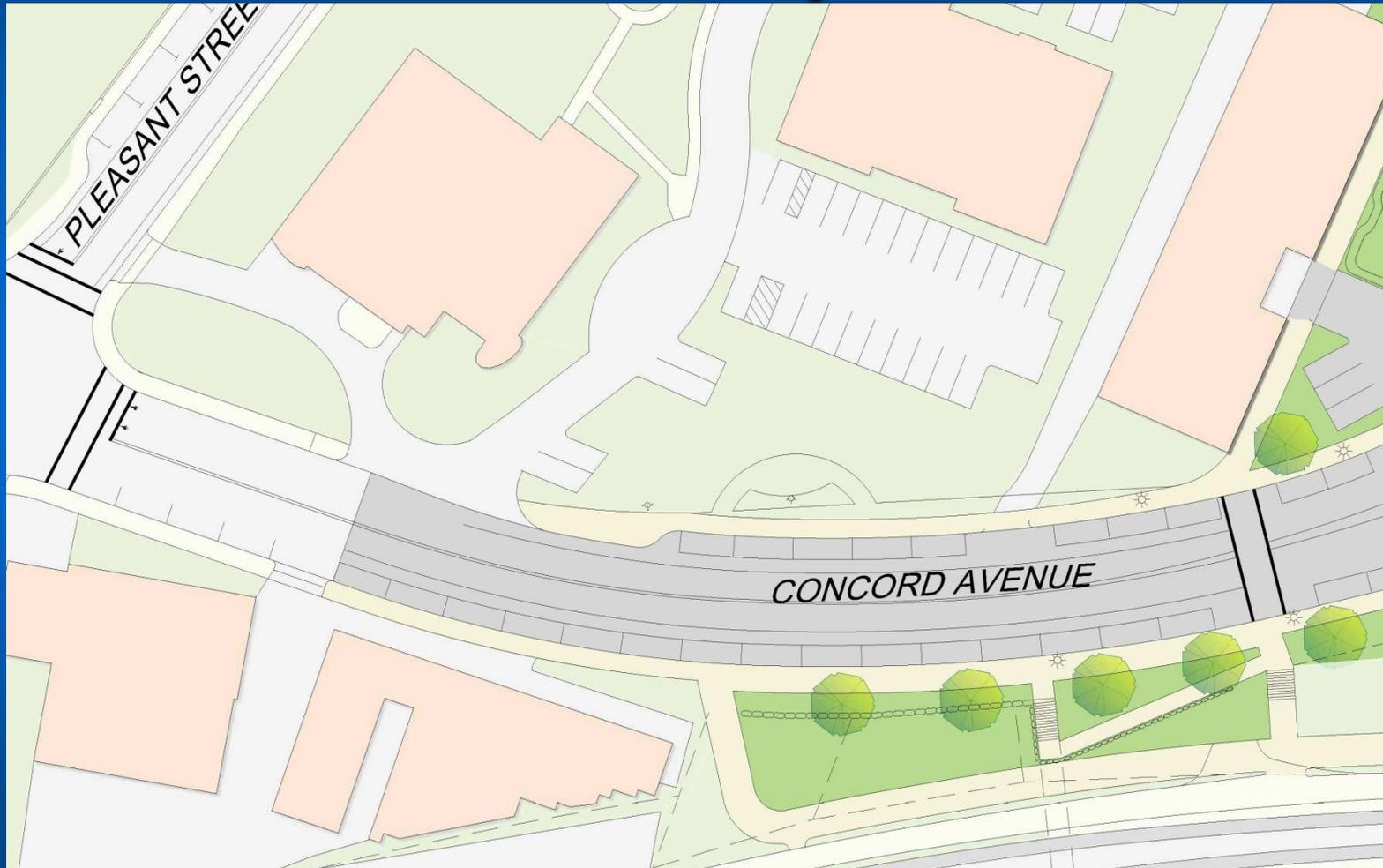


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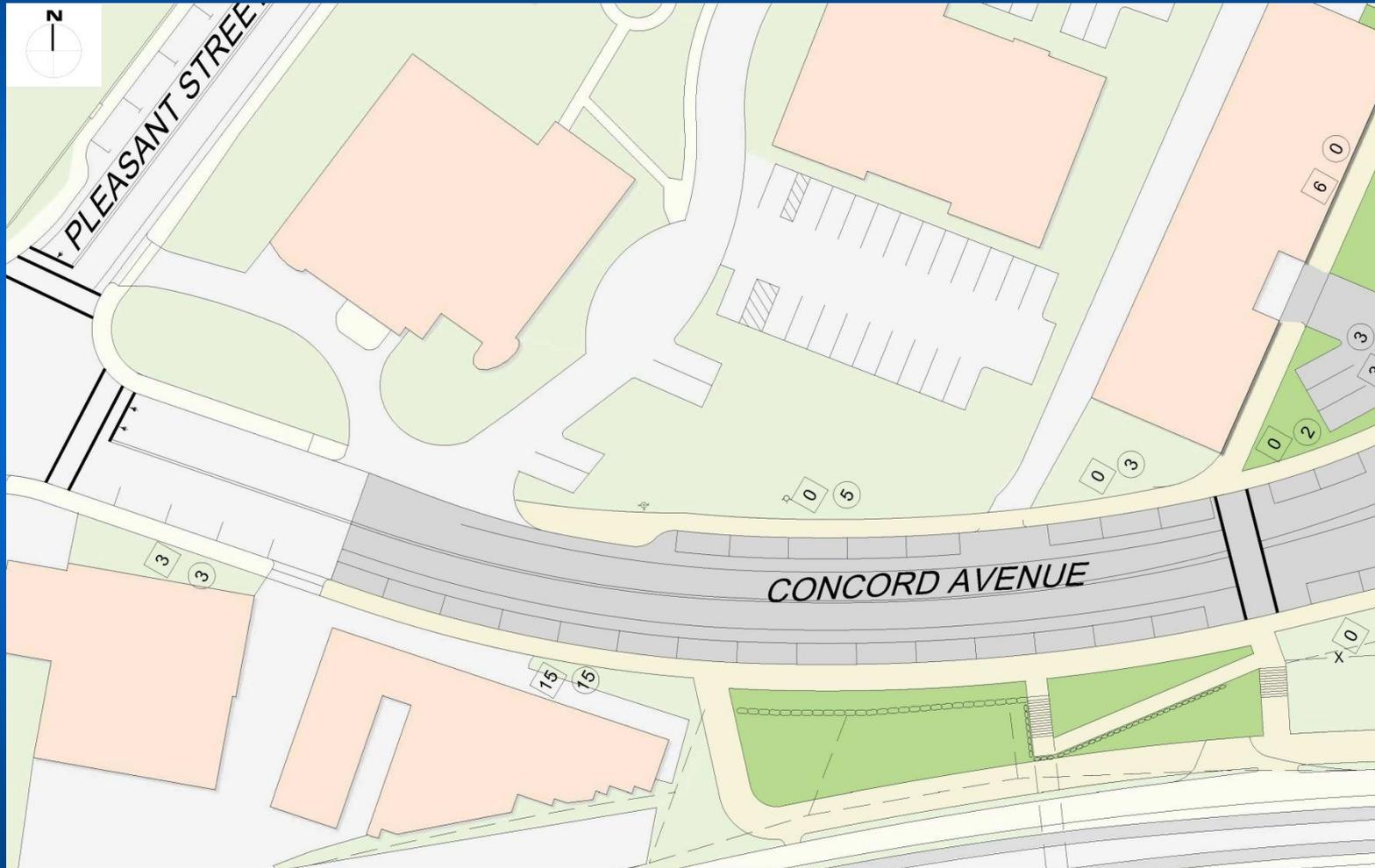
PROPOSED

Concord Ave. – Leonard St. to Pleasant St. Streetscape



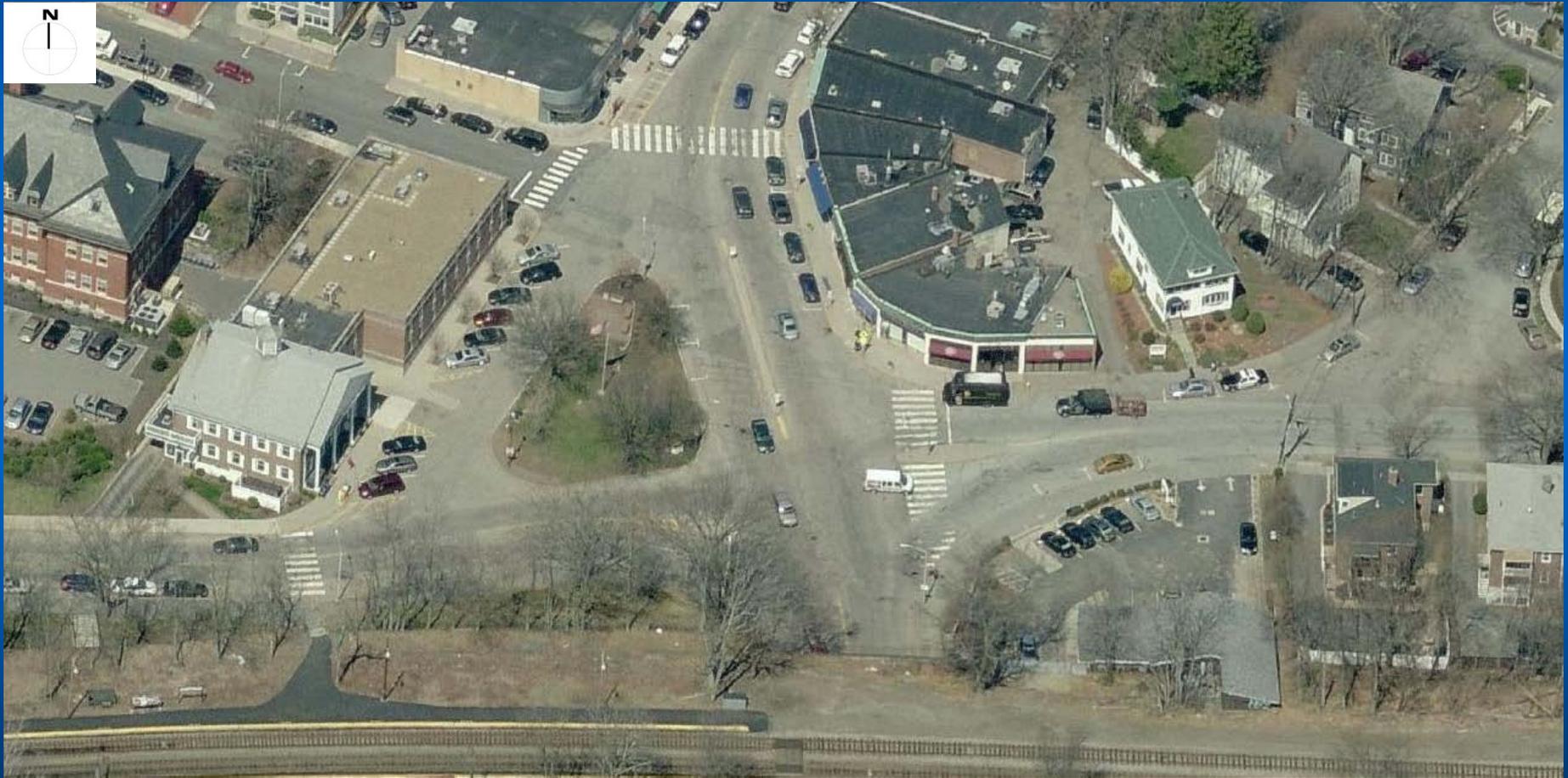
Concord Ave. – Leonard St. to Pleasant St.

Discussion



Leonard St. / Concord Ave. / Channing Rd.

Bird's Eye

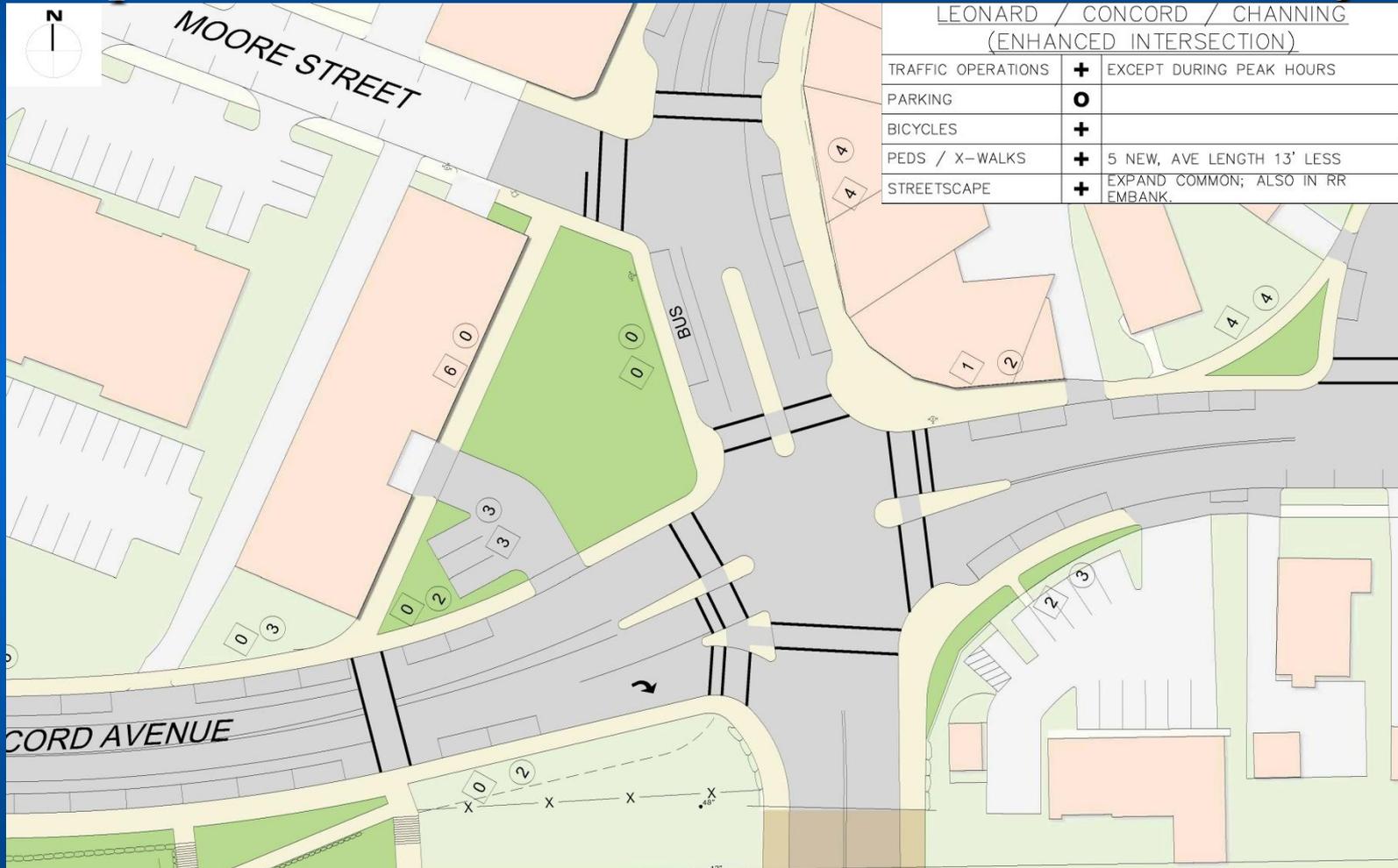


Leonard St. / Concord Ave. / Channing Rd. Existing Conditions

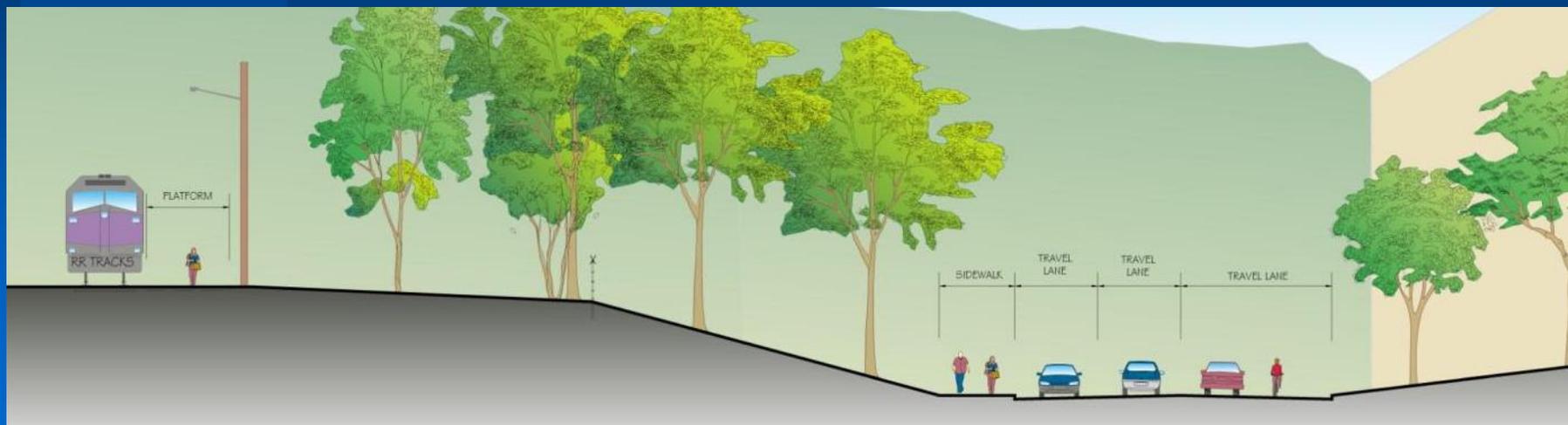


Leonard St. / Concord Ave. / Channing Rd.

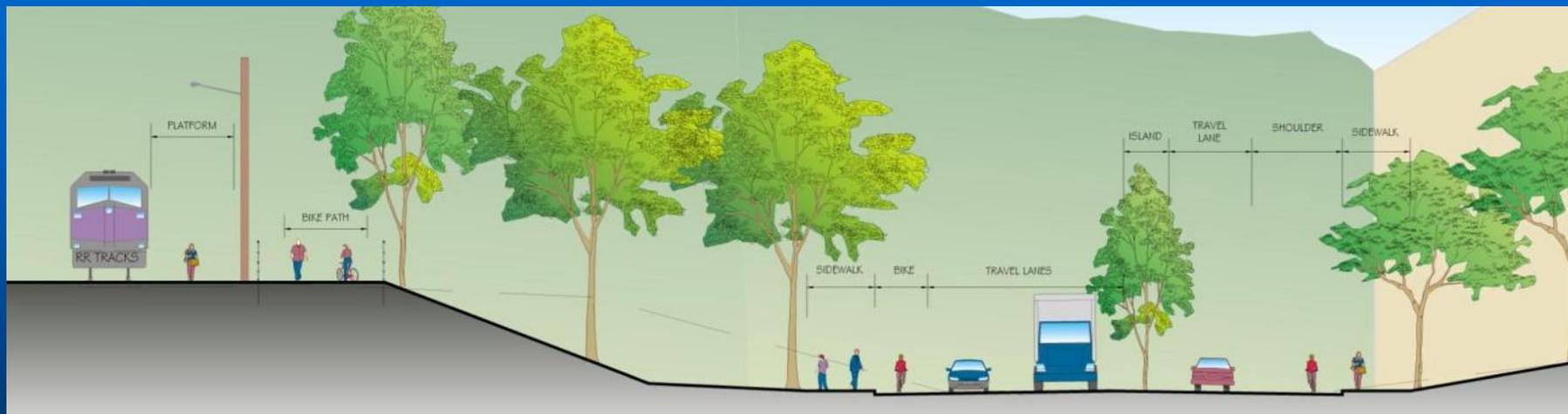
Proposed Conditions: Enhanced Intersection Analysis



Leonard St. / Concord Ave. / Channing Rd. Cross Sections at Railroad Embankment



EXISTING



PROPOSED

Leonard St. / Concord Ave. / Channing Rd. Streetscape at Common Area



Leonard St. / Concord Ave. / Channing Rd. Streetscape Image



Leonard St. / Concord Ave. / Channing Rd. Streetscape Image



Leonard St. / Concord Ave. / Channing Rd. Streetscape Image



Leonard St. / Concord Ave. / Channing Rd. Discussion

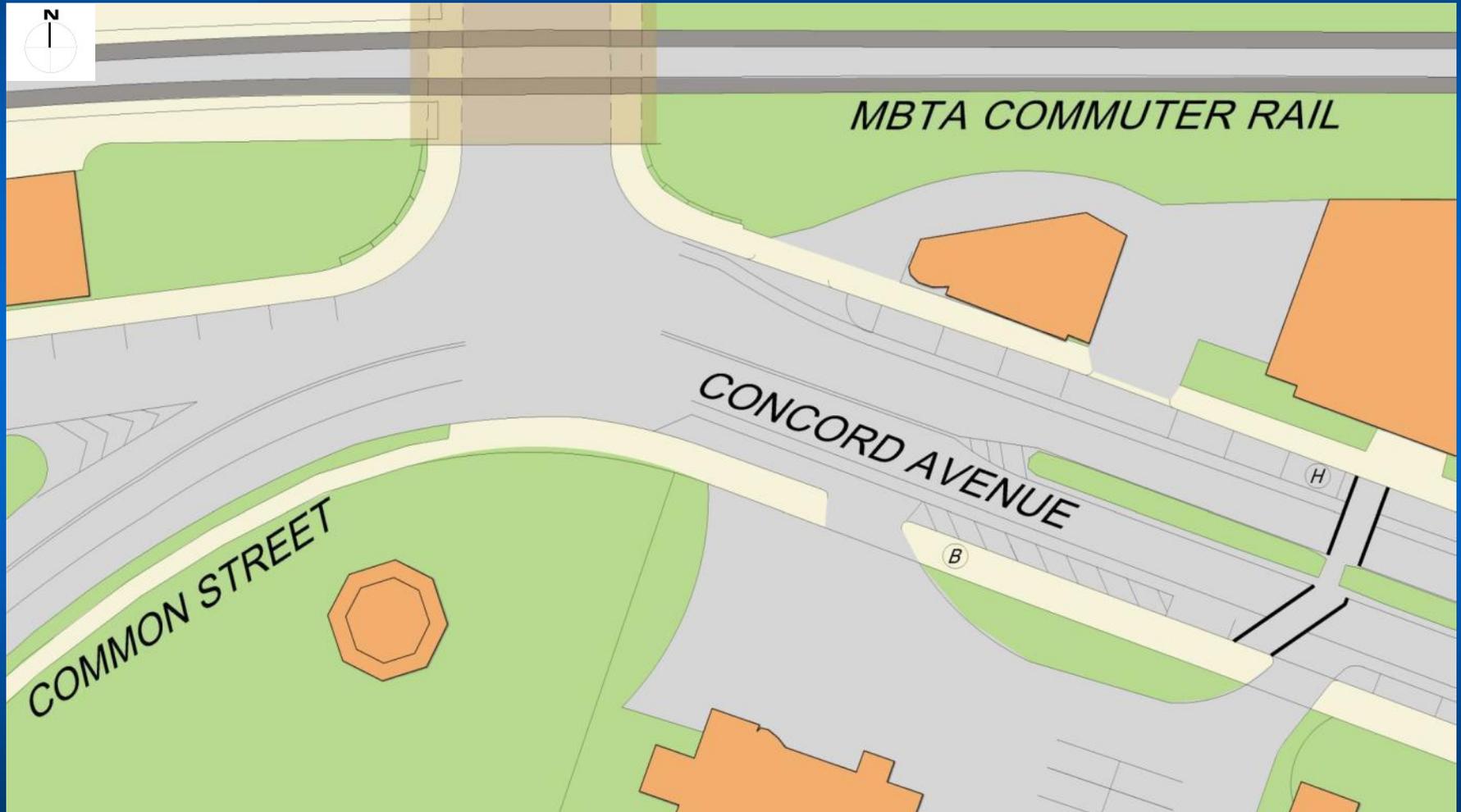


Concord Avenue / Common Street Bird's Eye

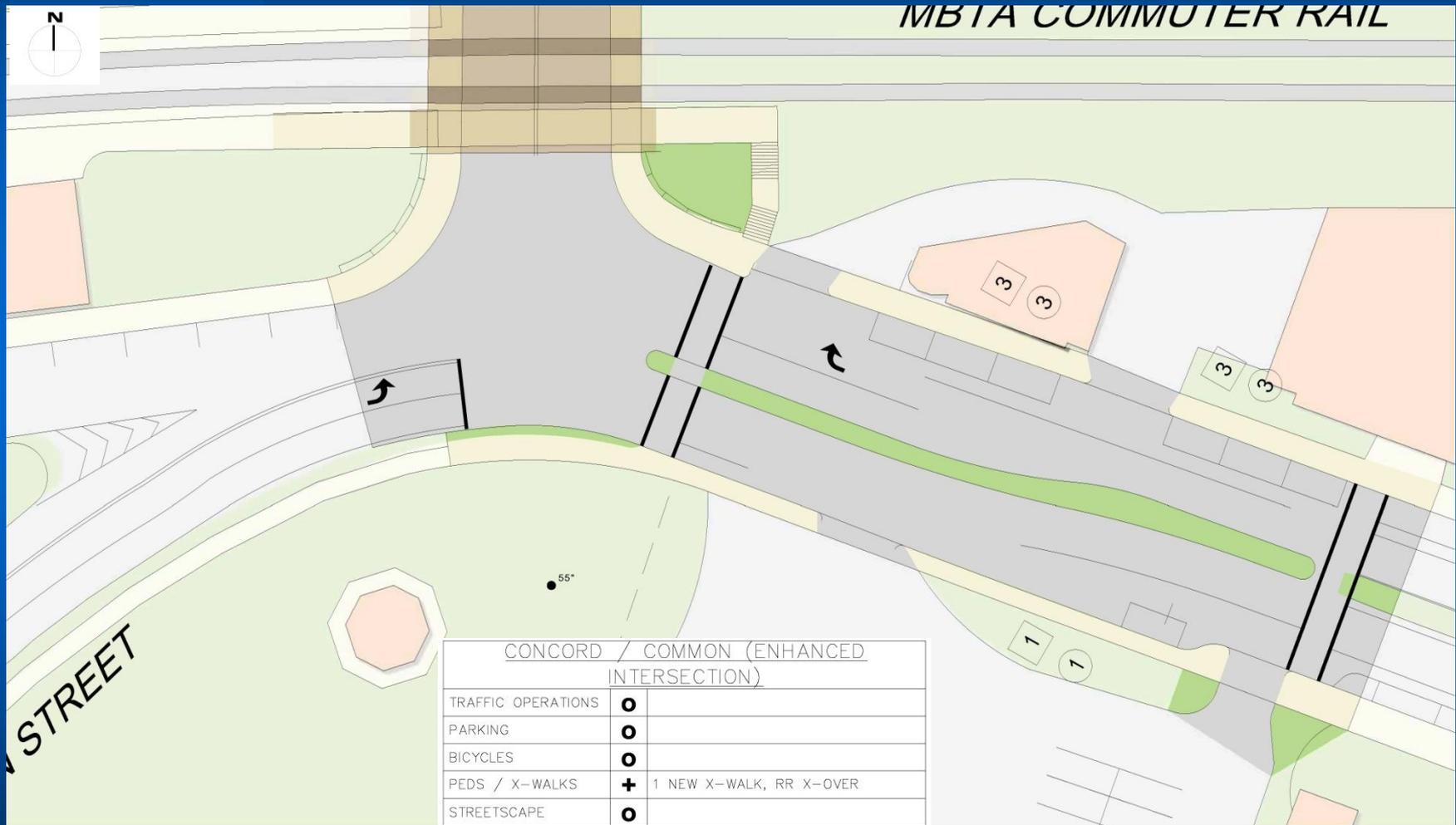


Concord Avenue / Common Street

Existing Plan View



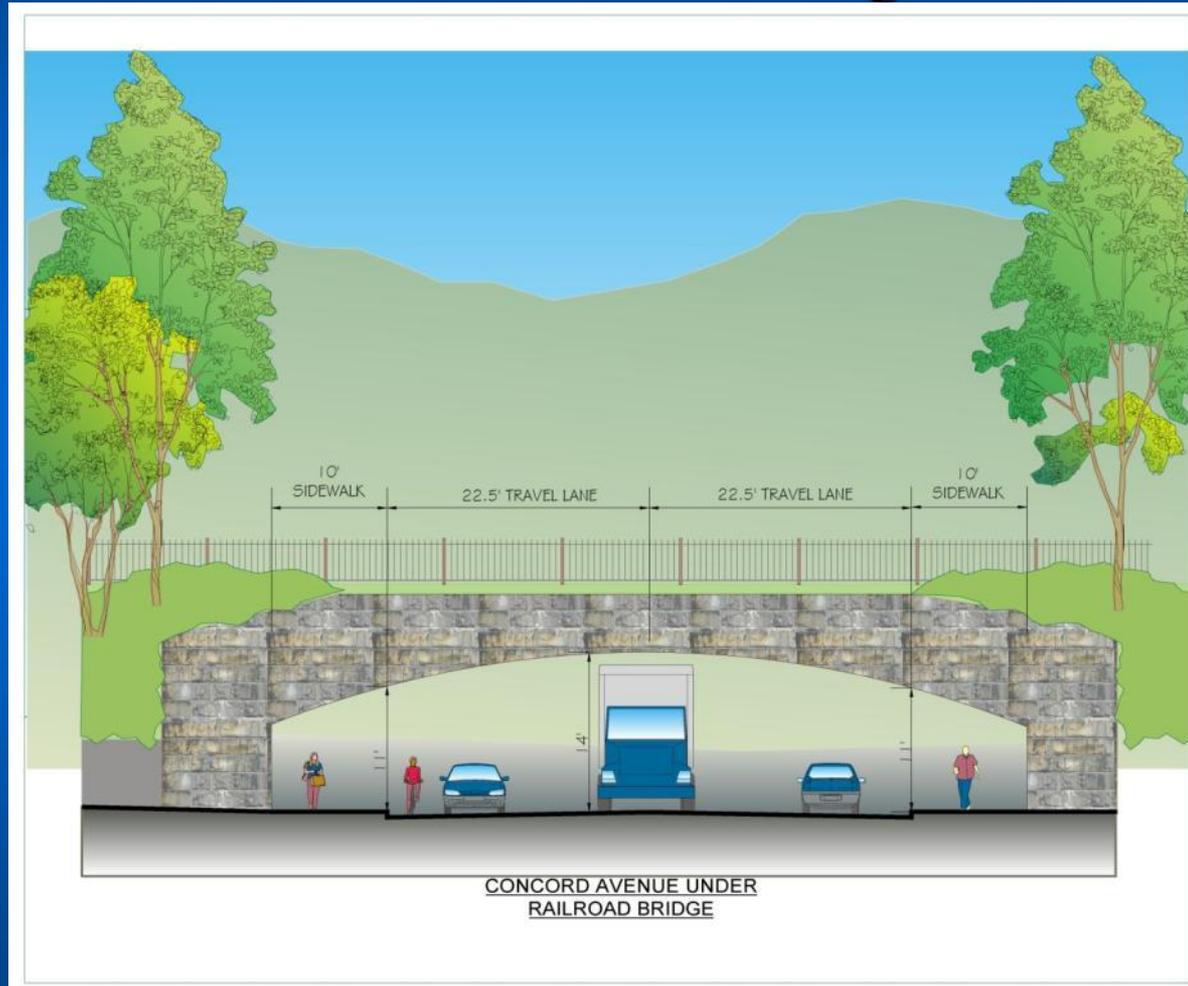
Concord Avenue / Common Street Proposed Plan View



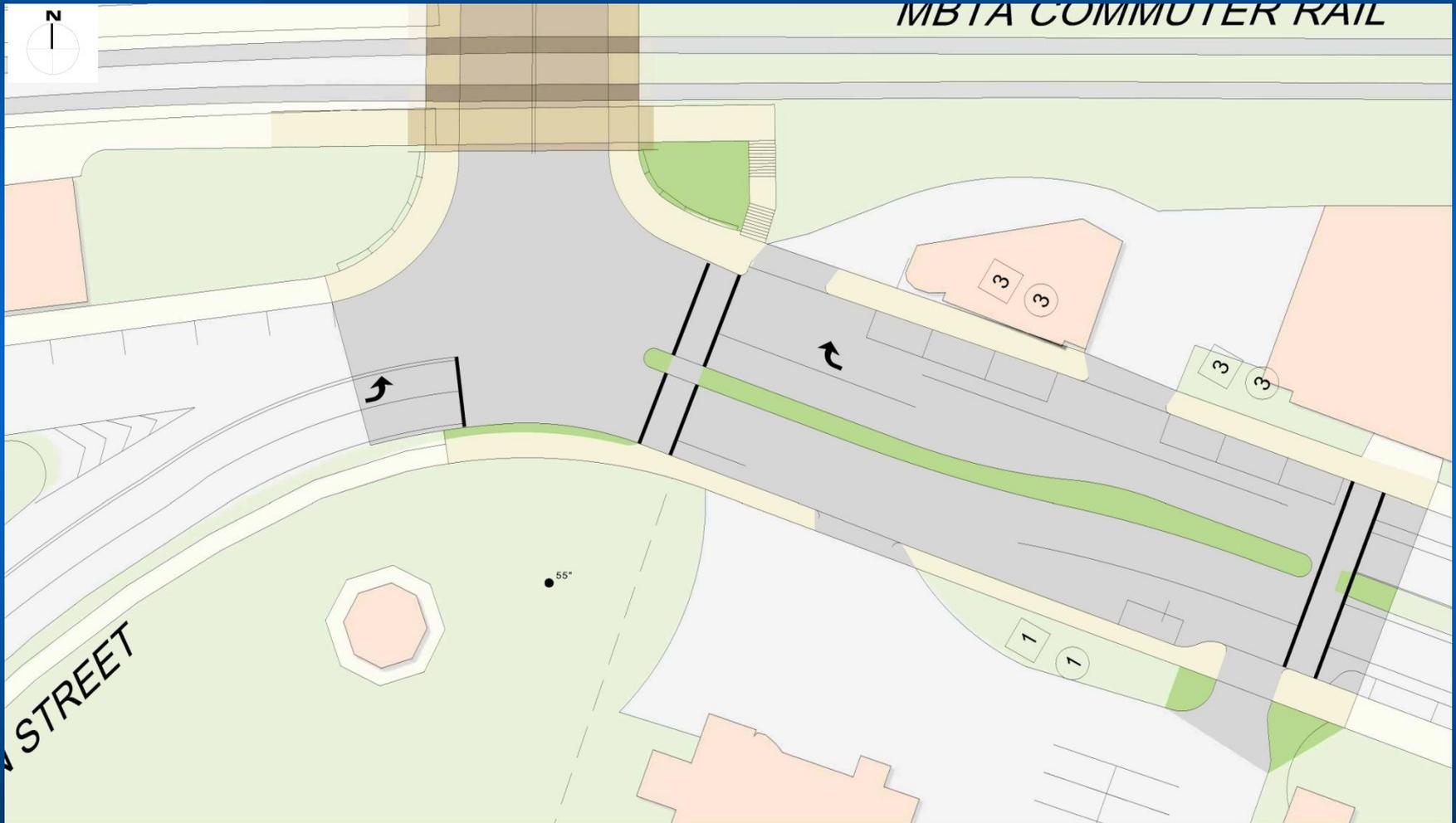
Concord Avenue / Common Street Flashing Warning Beacon



Concord Avenue / Common Street Cross Section: Bridge



Concord Avenue / Common Street Discussion



Next Steps

- Refine Overall Plan
- Proposed Cost Estimate
 - **Design**
 - **Construction**
- Present to Board of Selectmen

Summary

Proposed Plan – Parallel Parking



Summary

Proposed Plan – Angle Parking



Summary

Proposed Plan – No Concord Avenue Widening



Summary

Pedestrian Access, Chaflin to Leonard



End of Presentation