









Project Background

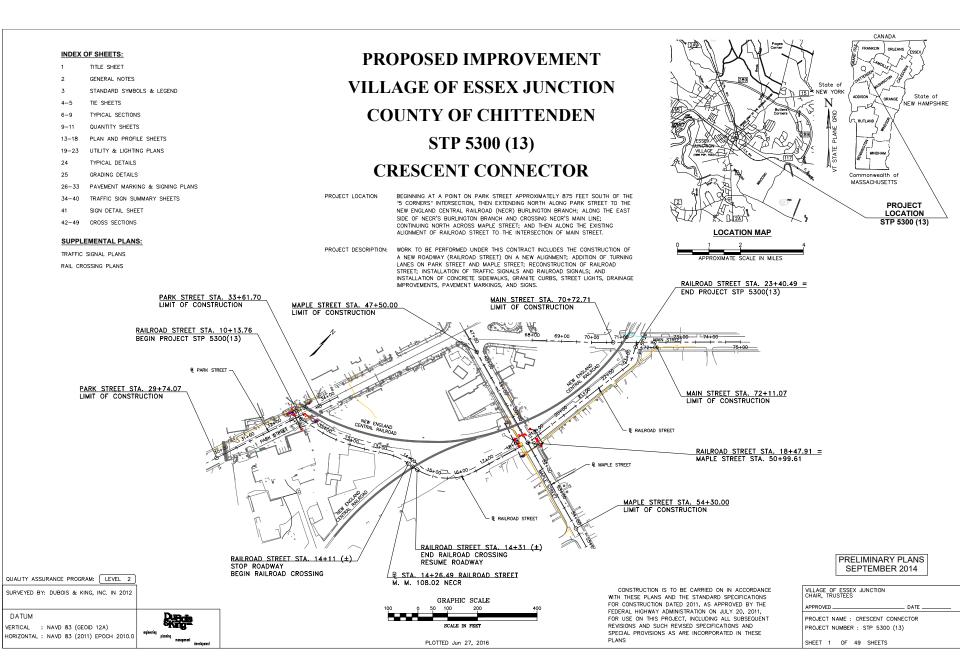


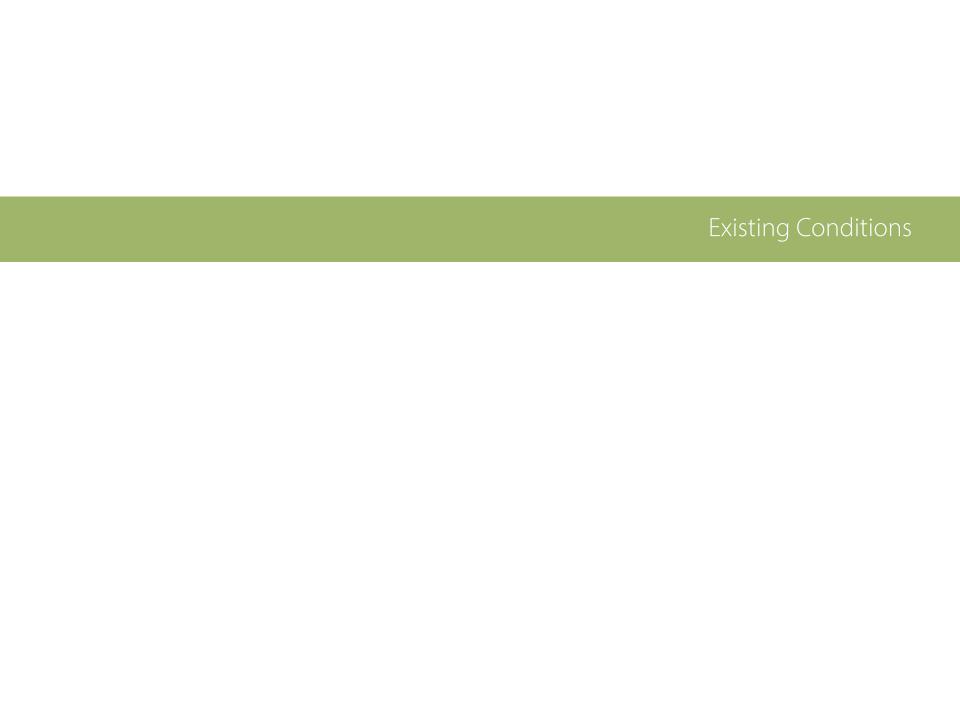
Julie Campoli, Terra Firma Urban Design www.juliecampoli.com



COMPREHENSIVE PLAN 2014

Adopted August 26, 2014



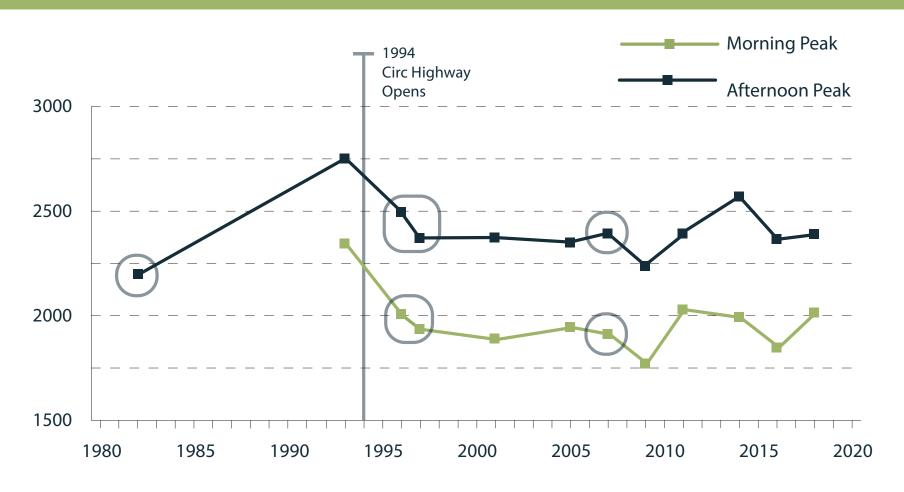






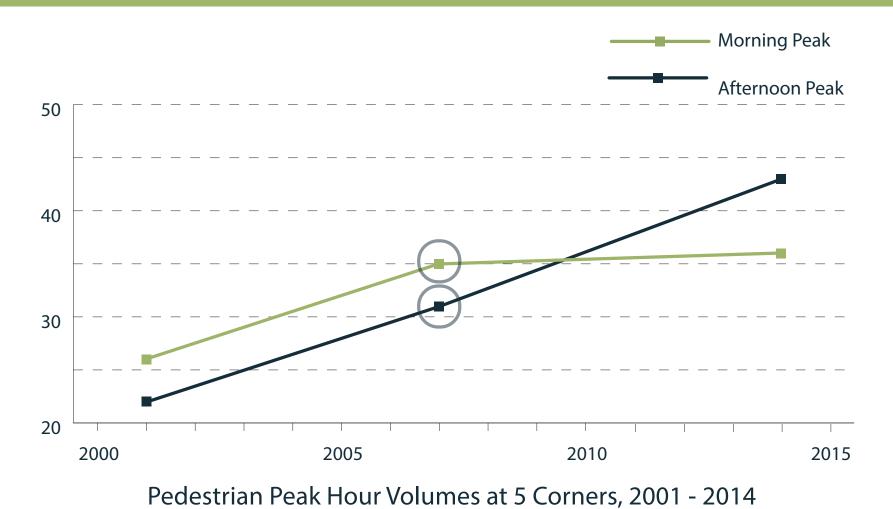


Traffic Volumes



Peak Hour Traffic Volumes at 5 Corners, 1982 - 2018

Circled data points are counts taken during the school year, all others are from July or August



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Existing Conditions

Online Survey

How would you rate the following as reasons that you walk through 5 Corners frequently?

- I live within walking distance (90%)
- I like to walk for exercise (88%)
- I like walking to the **restaurants and shops** (90%)

Existing Conditions

Online Survey

How would you rate the following as reasons that you **don't** walk through 5 Corners frequently?

- It's **too far** for me to walk to (55%)
- Lack of places to walk to (49%)











Transportation Improvements

Design 5 Corners + The Plan

Goal 2

Promote **thoughtful growth** (Priority Goals for Next 5 Years)

Goal 4

Implement projects that will move traffic more efficiently while making the Village a more welcoming place for all modes of travel. (Priority Goals for Next 5 Years)

Objective 4.3

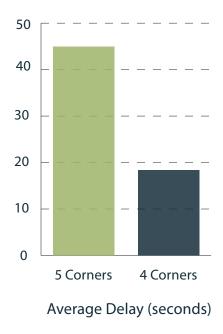
Consider alternatives for vehicular traffic through Five Corners, such as **redirecting Route 15**. (Priority Goals for Next 5 Years)

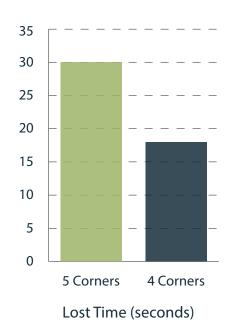
Safer Pedestrian
Crossings at 5 Corners

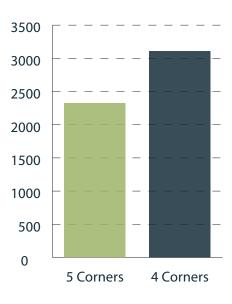
Pedestrianized
Main Street

Converting 5
Corners to a 4-way
Intersection

Transportation Improvements Design 5 Corners + The Plan

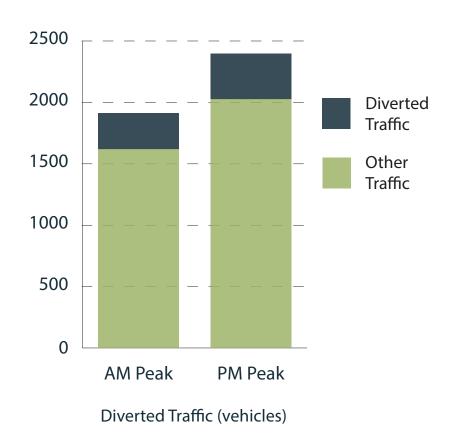






Capacity (vehicles per hour)

Transportation Improvements Design 5 Corners + The Plan





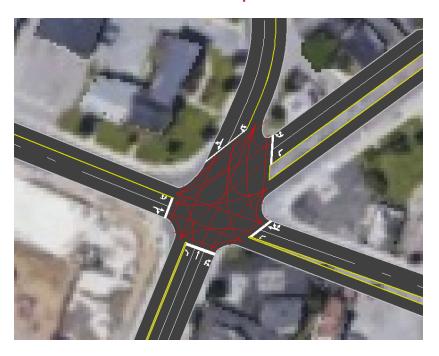
4 Corners 95th Percentile Queues

5 Corners 95th Percentile Queues

0 50 100 200 300 400 500

Transportation Improvements Design 5 Corners + The Plan

48 conflict points



31 conflict points



Pedestrian Improvements

Design 5 Corners + The Plan

Objective 1.3: Emphasize local access, public transit, bicycle facilities, pedestrian safety and access, and aesthetics in future streetscape projects. (Transportation)

Objective 2.4: Continue improvements in the public realm for a **high quality pedestrian experience**. (Priority Goals for Next 5 Years)

Objective 4.2: Consider the **pedestrianization of Main Street**. (Priority Goals for Next 5 Years)

Central Village Green

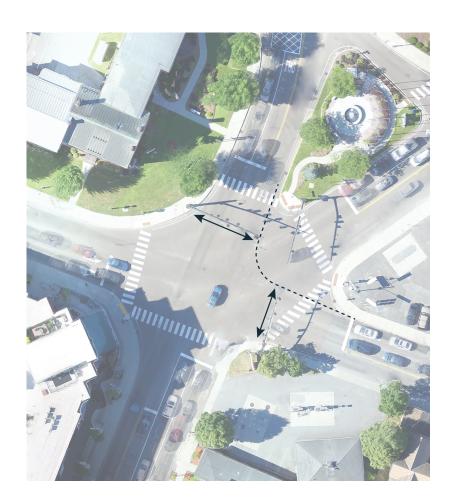
Safer Pedestrian Crossings at 5 Corners

More Street Trees

Pedestrianized Main Street

Pedestrian Improvements





Health & Recreation

Design 5 Corners + The Plan

Goal 2

Create **urban open spaces**. (Recreation & Natural Resources)

Objective 2.1

other urban outdoor areas in major redevelopment projects in the Village Center and Transit Oriented Development Districts. (Recreation & Natural Resources)

Objective 2.3

Consider the development of a **village green within the Village Center District**.

(Recreation & Natural Resources)

Pedestrianized

Main Street

More Street Trees

Central Village Green

Green Stormwater
Infrastructure

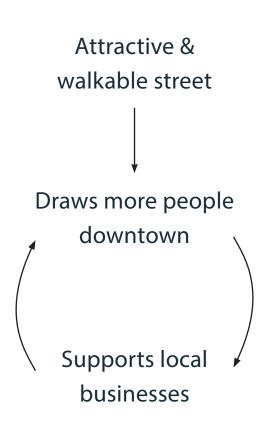
Economic Vitality

Goal 2: Increase the Village's relationship with the local business community. (Business/Economic Development)

Goal 4: Preserve and enhance the appearance and historical character of the Village of Essex Junction.

(Business/Economic Development)

Objective 4.5: Continue streetscape and landscaping efforts to attract private sector investment.

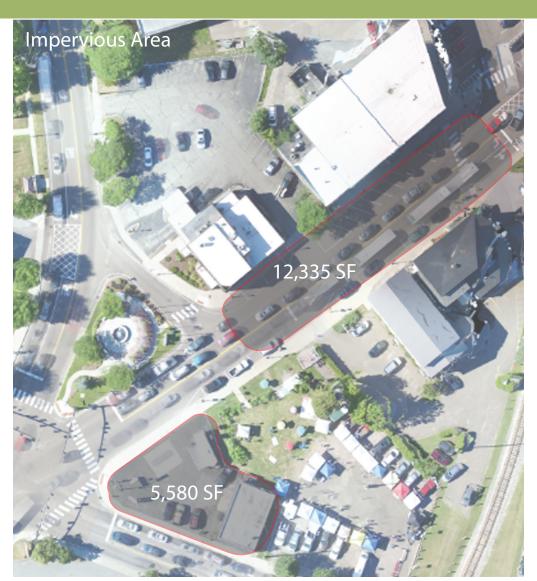


Green Infrastructure

Design 5 Corners + The Plan

Main Street & 1 Main Street Lot

Existing Impervious Area 17,915 SF



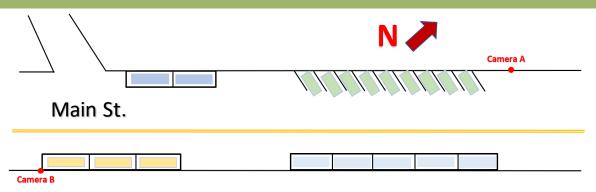
Main Street & 1 Main Street Lot

Future Impervious Area 10,335 SF

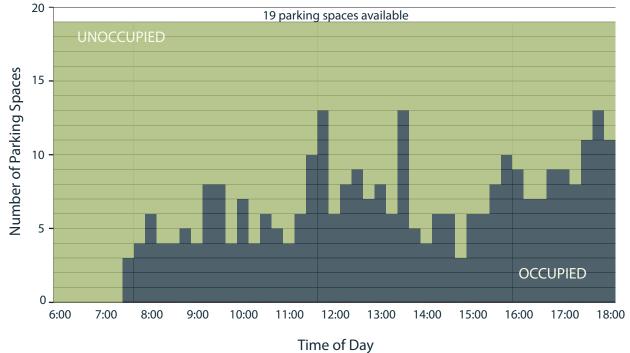
- 42% reduction in impervious area
- 7,580 SF new greenspace2,000 SF Rain Gardens5,580 SF Village Green



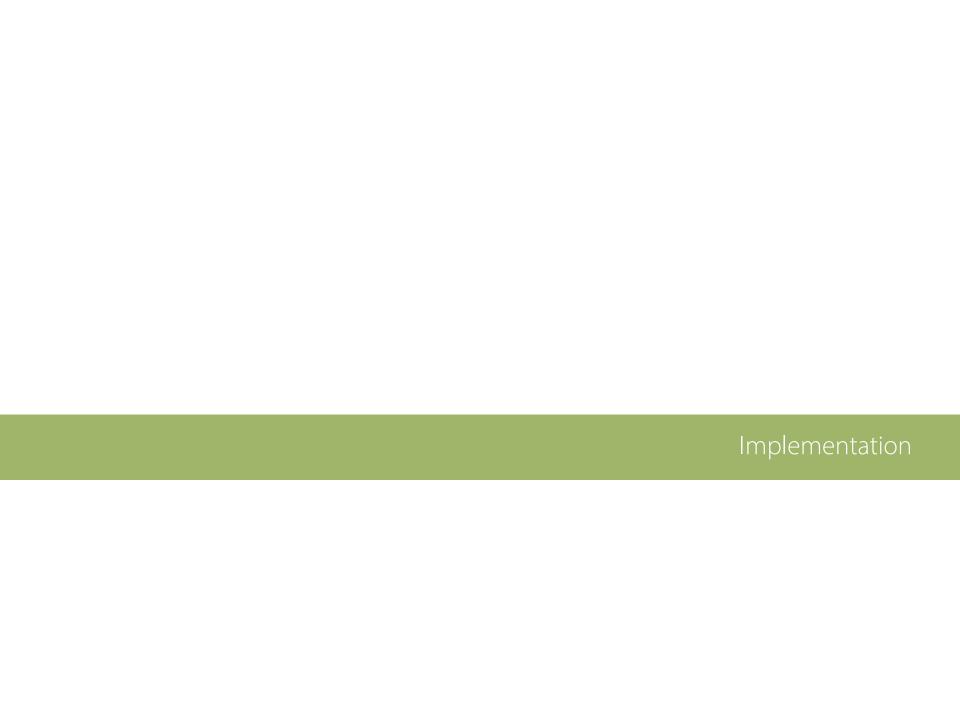
Parking Impact







Main Street Parking Occupancy



Implementation



Update the Comprehensive Plan

The Municipal Plan is a key tool for implementing important projects.

The Goals, Policies and Action Items should reflect what a **community is trying to achieve in the next 8 years**

To properly reflect the changes proposed by Design 5 Corners, the Plan will need to be updated.

Update Narrative

Update Goals

Update Policies

Update Actions

Implementation

Further Steps

- Complete Crescent Connector and monitor traffic
- Consider a demonstration project for a pedestrian Main Street
- Coordinate with VTrans to re-designate Route 15 and the Amtrak Connector
- Reconstruct Main Street and re-program the 5 Corners Signal
- Build the Village Green

