Marlboro Street Rehabilitation Project

Public Informational Meeting



Tuesday, January 15, 2019

Blastos Room at Keene Ice 380 Marlboro Street, Keene, NH













Marlboro Street Rehabilitation Project Project Team

City of Keene

Kurt Blomquist, Public Works Director

Brett Rusnock, Project Manager

Donald Lussier, City Engineer

DuBois & King

Nick Sceggell, Project Manager

Chuck Goodling, Project Director

Lucy Gibson, Transportation Engineer











Project Limits





Marlboro Street Rehabilitation Project

- ◆ **Purpose:** Update utilities under Marlboro Street
- ◆ **Timing**: Construction estimated for May Novemeber 2019
- ◆ **Need**: Utility upgrades, traffic circulation and safety improvements





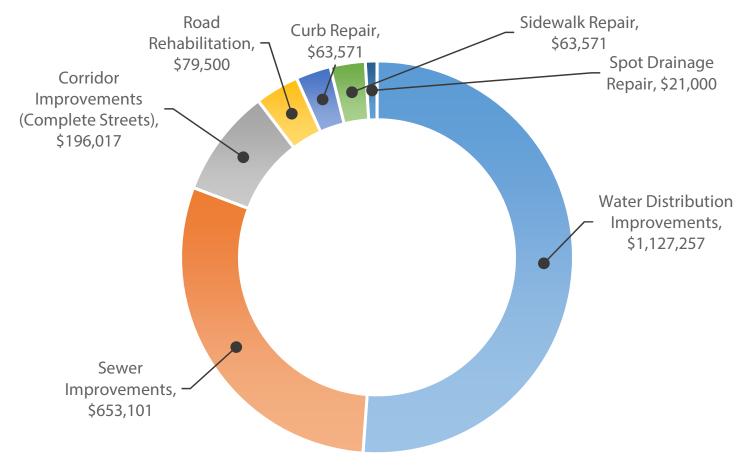






Budget = \$2,204,017

Project is entirely funded by the City of Keene





Water Main Lining: Before and After





Sewer Main: Before and After

Grease-blocked sewer pipes





New PVC sewer pipe





Drainage Pipes: Before and After

Fractured drainage pipe

HPDE plastic pipe







Project Background











Building on Past Work

- ♦ Keene Complete Streets Policy (2015)
- ♦ Wheelock Safe Routes to School (2015)
- ◆ Marlboro Street Zoning and Land Use Regulations Project (2014-2015)
- ◆ Demonstration Project (2015)

WHEELOCK ELEMENTARY SCHOOL SAFE ROUTES TO SCHOOL ACTION PLAN



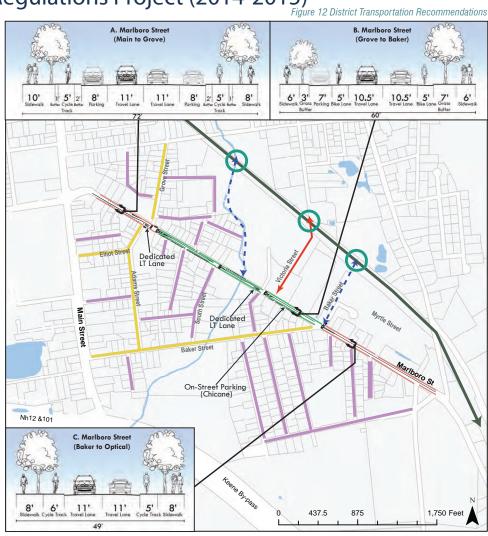
SafeRoutes

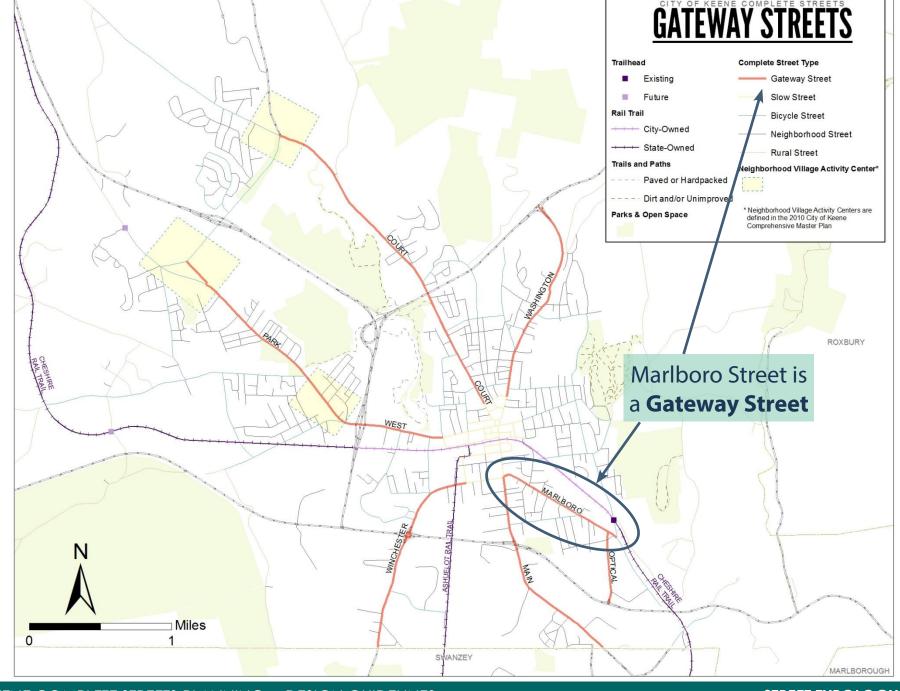
September 2015 • Keene, NH



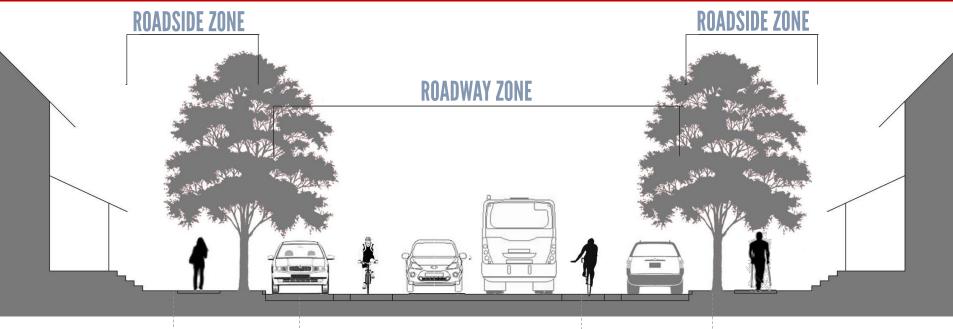
KEENE COMPLETE STREETS
DESIGN GUIDELINES • 2015







GATEWAY STREET ELEMENTS



Unobstructed Pedestrian Pathway

Parallel Parking On-Street

Marked Bike Lanes or Sharrows

Green Buffer with Street Trees and Space for Bioswales or Rain Gardens



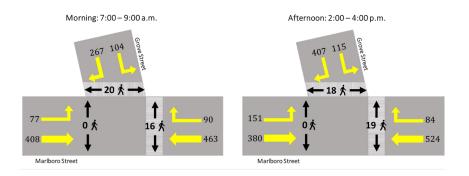




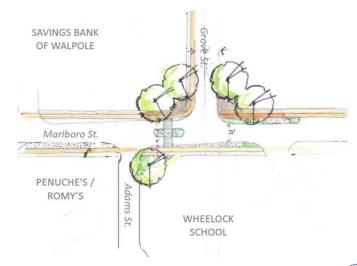
Wheelock Safe Routes to School

- ♦ Motorists did not stop for pedestrians unless the crossing guard was present
- ◆ Drivers were observed speeding and acting impatient
- ◆ Turning cars often **block the Grove Street crosswalk**

Traffic Counts at Marlboro St. and Grove St.



GROVE ST./MARLBORO ST. CONCEPT (DRAFT)





2015 Marlboro St Complete Streets Demonstration Project

Location: West of Marlboro St/Grove St Intersection





BEFORE AFTER



2015 Marlboro St Complete Streets Demonstration Project Example photos







Existing Conditions











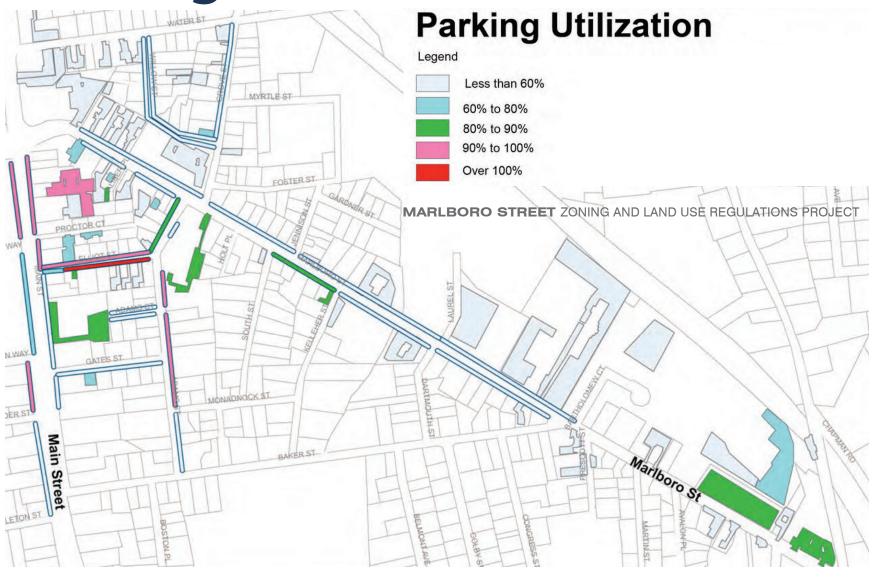
Existing ConditionsRoad Width and Configuration



Existing Conditions



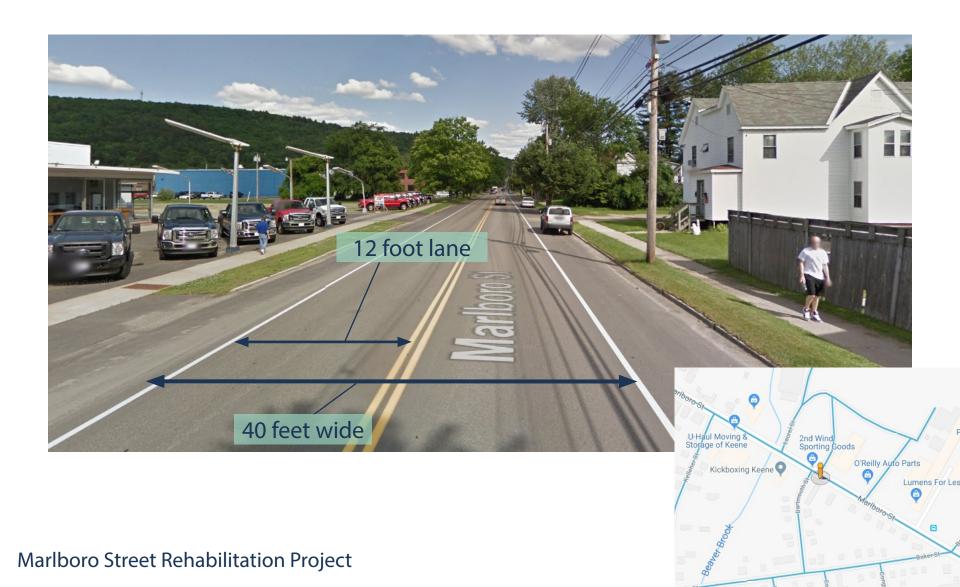
Existing Conditions



Existing ConditionsWide curb cuts



Existing Conditions



Existing Conditions



PC Connection

Complete Streets Design Goals

Based on past studies of Marlboro Street

- Address school crossing safety
- **♦ Provide bicycle lanes**
- ◆ Provide on-street parking on at least one side where it will support local businesses
- ◆ Reduce pavement width where possible and repurpose as green public space
- ◆ Reduce traffic speeds to increase safety for vulnerable users







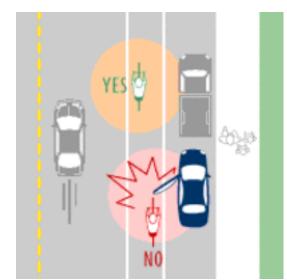




Typical Cross Section

Main St to Baker St

- ♦ 10 1/2 ft lanes
- ♦ 8 ft parking lane
- wider bike lane near parked cars





<- 8'---- 6'---- 10.5'---- 5'-> 40 feet total payment width













Splitter Island Example Photos











Chicanes

- allow for parking to alternate sides
- ◆ reduce traffic speeds
- provide space for green stormwater infrastructure

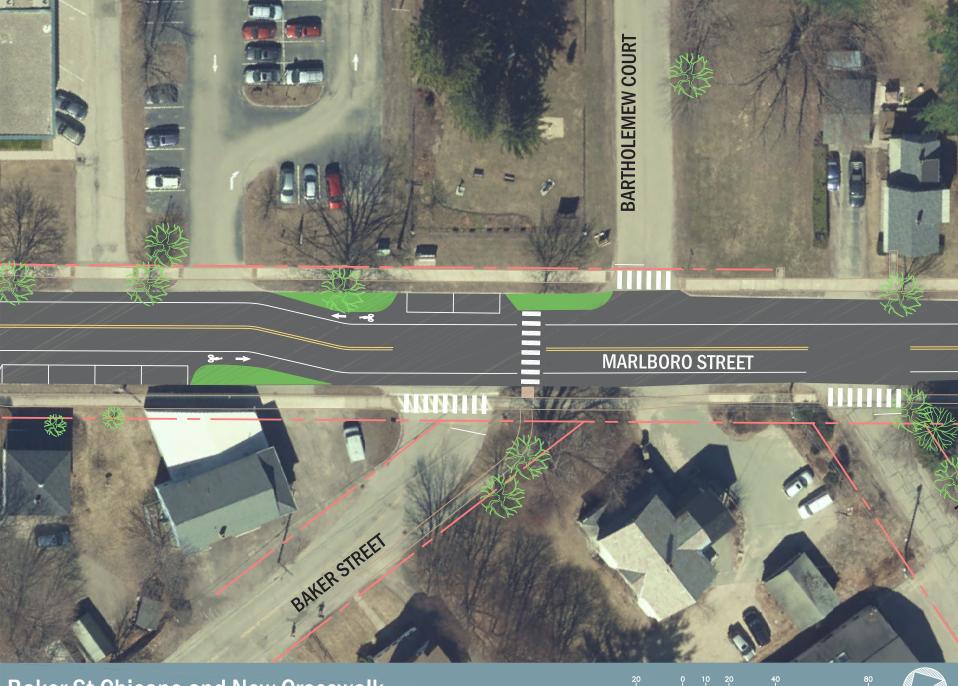


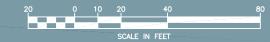














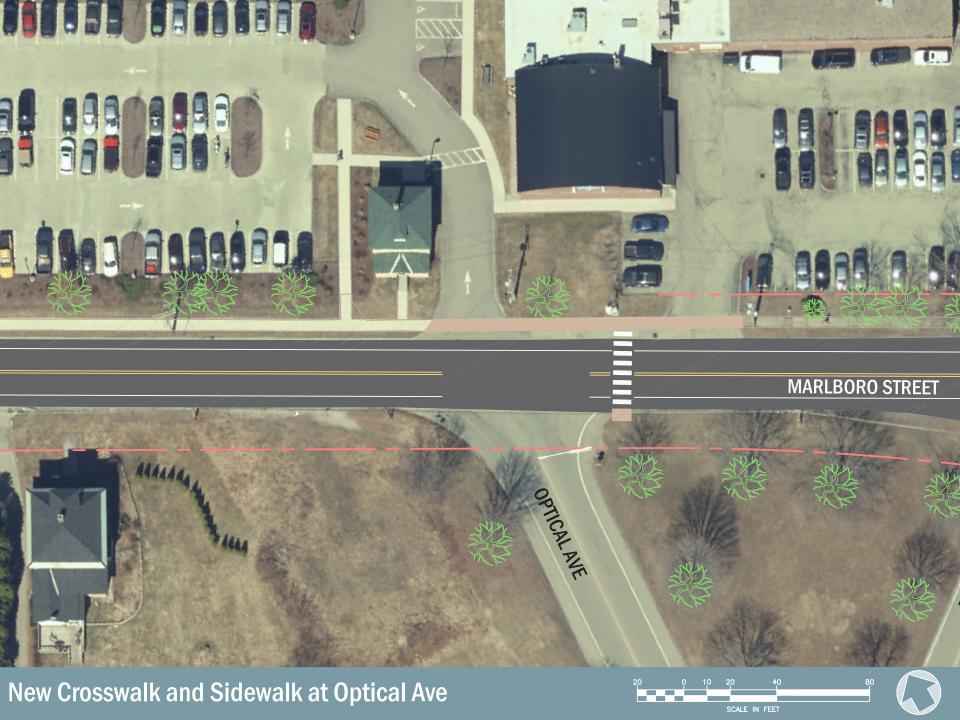
Typical Cross Section

Baker St to Eastern Ave

- ♦ 10 1/2 ft lanes
- ♦ 5 ft bicycle lanes









Next Steps

Bid schedule

- ♦ Bidding by February 28, 2019
- ◆ Tenative bid opening April 2, 2019

Construction Schedule

♦ May to November, 2019

What to expect during construction

- ◆ During construction residents and businesses should expect one-way alternating traffic.
- ◆ Short term closures may be needed for some utility work.
- ◆ A temporary water main will be provided while work occurs on the existing water line.



Thank You!

Contact for follow-up questions

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