## COMPLETE STREETS THE SOUND SHORE COMMUNITY





## **CAPSTONE OVERVIEW**







**CITY OF RYE** 

VILLAGE OF MAMARONECK

TOWN OF MAMARONECK

VILLAGE OF LARCHMONT



## **4,092** U.S. Pedestrian Deaths in 2009

Source: NHTSA



Of the **27**pedestrians killed in Westchester County from 2005-2007 nearly

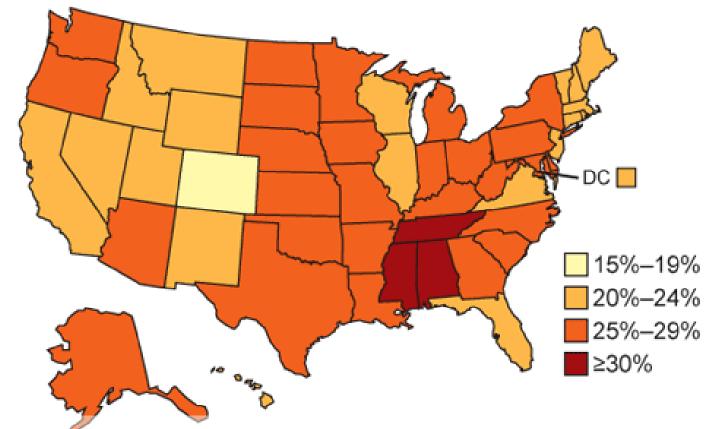
30%

were 65 or older.

Source: TSTC



## The Prevalence of Obesity (BMI ≥30) Among U.S. Adults, 2007



States with the lowest levels of biking and walking have, on average, the highest rates of obesity, diabetes, & high blood pressure.

Source: 2010 Benchmarking Report, Alliance for Biking and Walking

## **COMPLETE STREETS OVERVIEW**





## STREETS AS COMMUNITY ASSETS

To implement design features and policy measures that make streets safe and accessible for multiple users, regardless of age, ability, or mode of transportation.





## **OBJECTIVES**

## **SAFETY**

FITNESS AND RECREATION

ECONOMIC DEVELOPMENT

INTERMODAL CONNECTIVITY

ENVIRONMENTAL

#### **COMPLETE STREETS HISTORY**

2003

Complete Streets term coined

2005

Complete Streets
Coalition formed

2011

Over 200 Complete Streets policies



## **COMPLETE STREETS POLICY**

#### Pennsylvania 2007

Pennsylvania DOT Design Manual

## Connecticut 2009

State Bill 735, An Act Improving Bicycle and Pedestrian Access

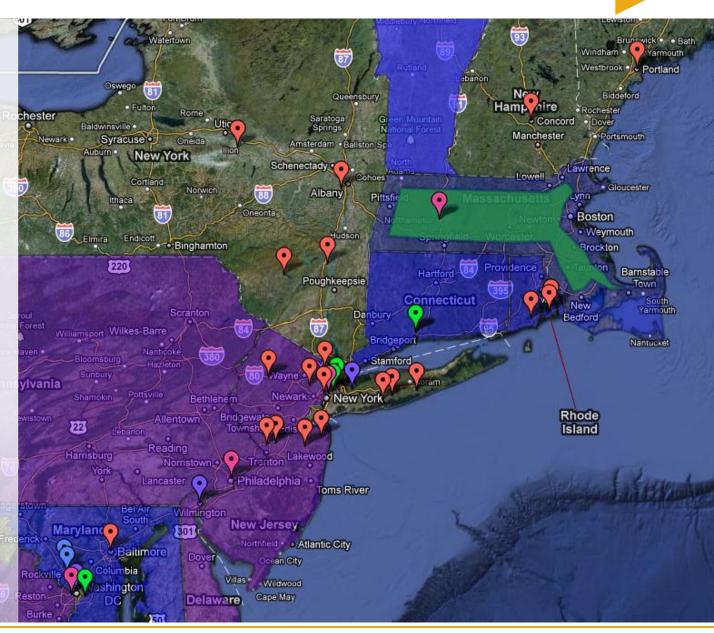
## New Jersey 2009

Department of Transportation Policy
No. 703

New York

Bridgeport 2011

BILL PENDING



## **DESIGN INTERVENTIONS**

**PEDESTRIANS** 

**BICYCLES** 

**VEHICLES** 

**ENVIRONMENT** 

### PEDESTRIAN INTERVENTIONS







## **BICYCLE INTERVENTIONS**







#### **BICYCLE INTERVENTIONS**



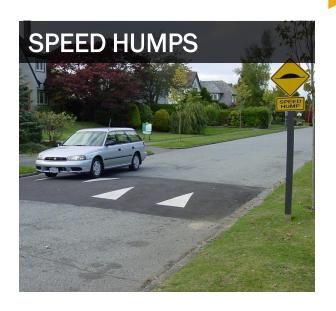
## EASTCHESTER, NY California Road Sharrows 2010

In Austin, TX, **74%** of drivers yielded to cyclists after installation when previously it was 38%.

- KVUE ABC News

### **VEHICLE INTERVENTIONS**







#### **COMPLETE STREETS DESIGN**



# CITY OF RYE, NY Boston Post Road Road-Diet 2008

#### Reduced travel lanes:

- → calm traffic
- → widen shoulder
- → improve pedestrian crossing

#### **ENVIRONMENTAL INTERVENTIONS**







## IN ONE YEAR, ONE TREE...

- $\rightarrow$  Removes of 26 pounds of  $CO_2$  from the atmosphere, equal to 11,000 miles of car emissions
- → Intercepts 1,525 gallons of storm water runoff

## **COMPLETE STREETS EXAMPLE**

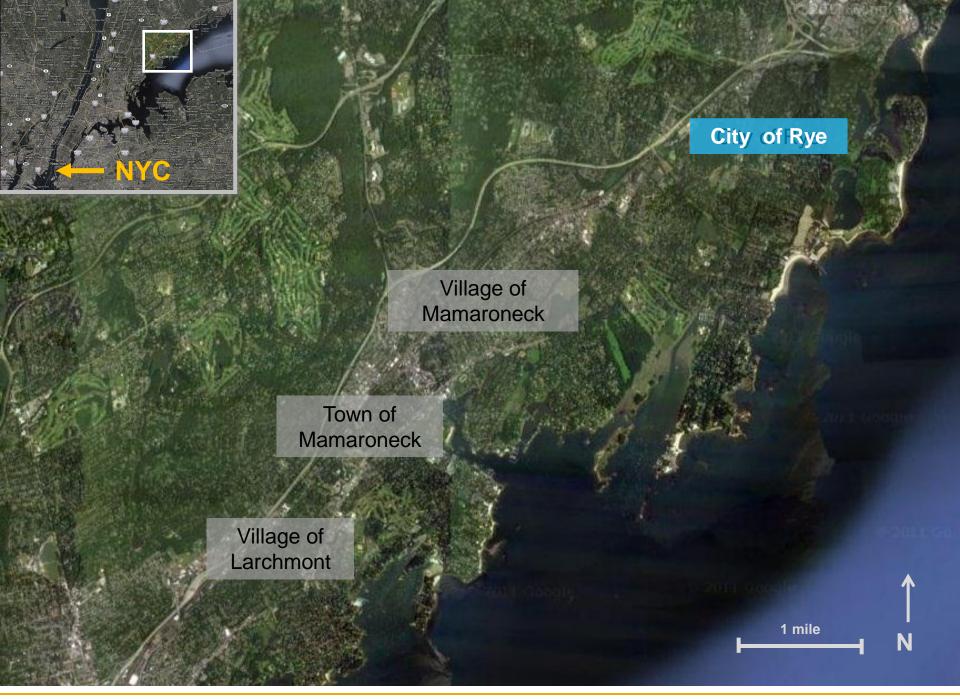
## **INCOMPLETE**



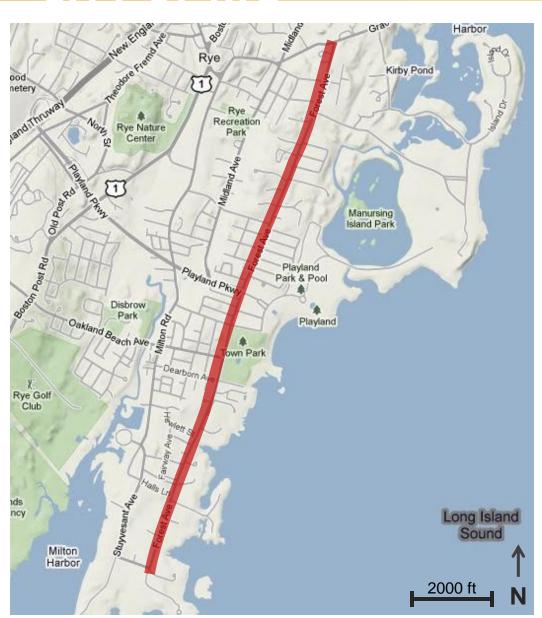
## **COMPLETE**



Source: Seattle Department of Transportation, N 130<sup>th</sup> Street



#### **CITY OF RYE**



### **FOREST AVENUE**

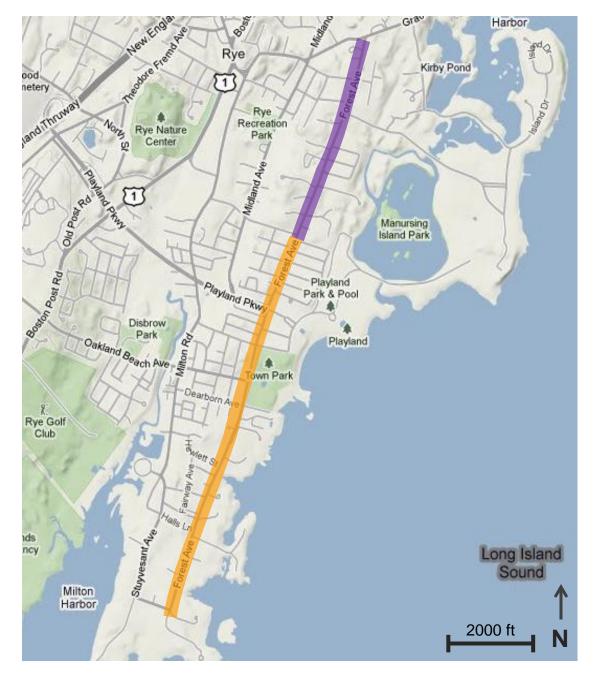
between Grace Church St & Van Wagenen Ave

FEATURES:
PLAYLAND PARK
TOWN PARK
MIDLAND SCHOOL
MILTON SCHOOL

OBJECTIVES: RECREATION & FITNESS SAFETY

## UNDEFINED PEDESTRIAN AND BICYCLE SPACE



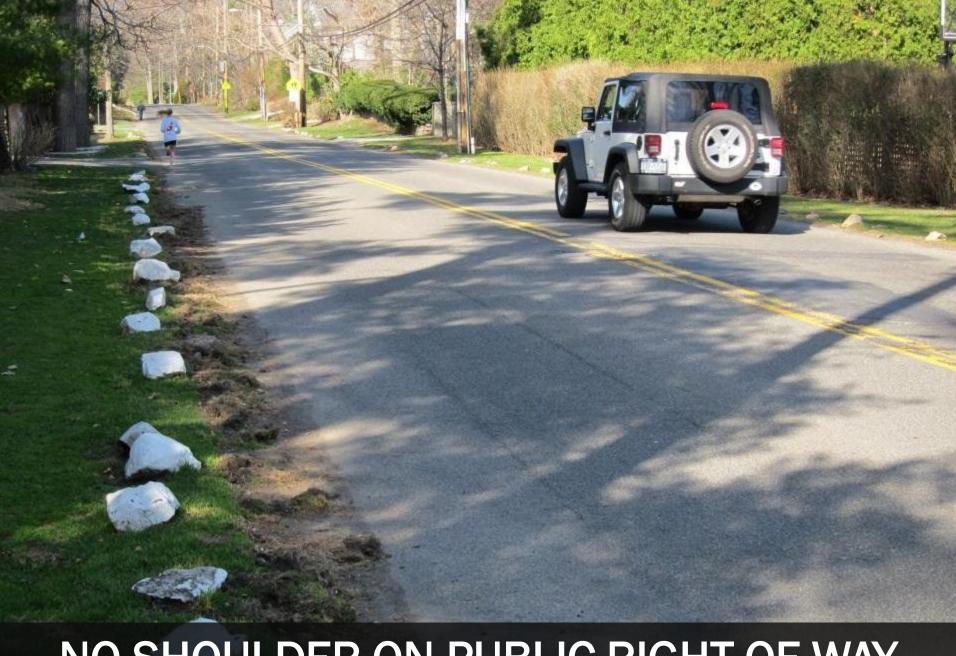


## Where: NO SIDEWALKS

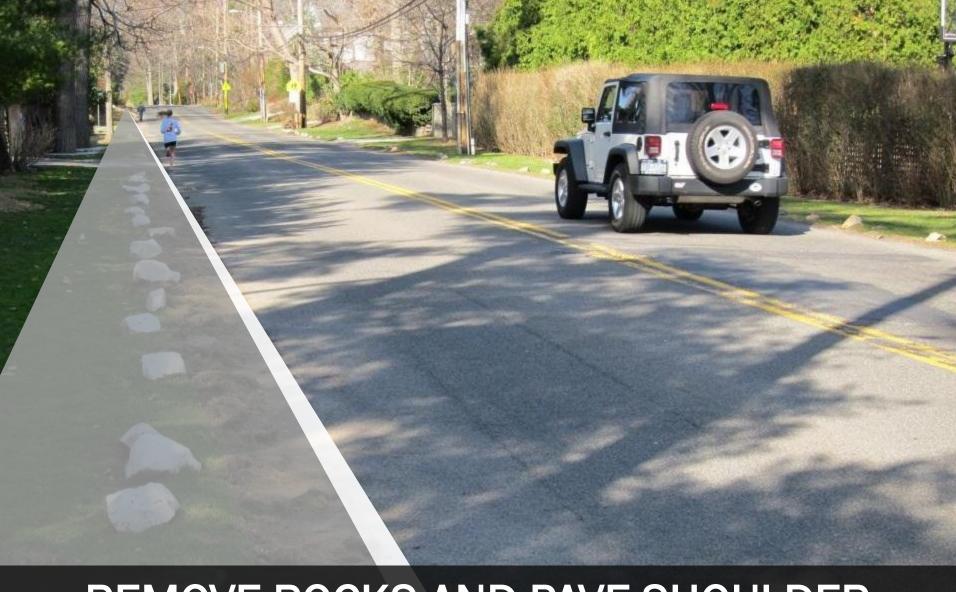


Where: SIDEWALKS





NO SHOULDER ON PUBLIC RIGHT-OF-WAY



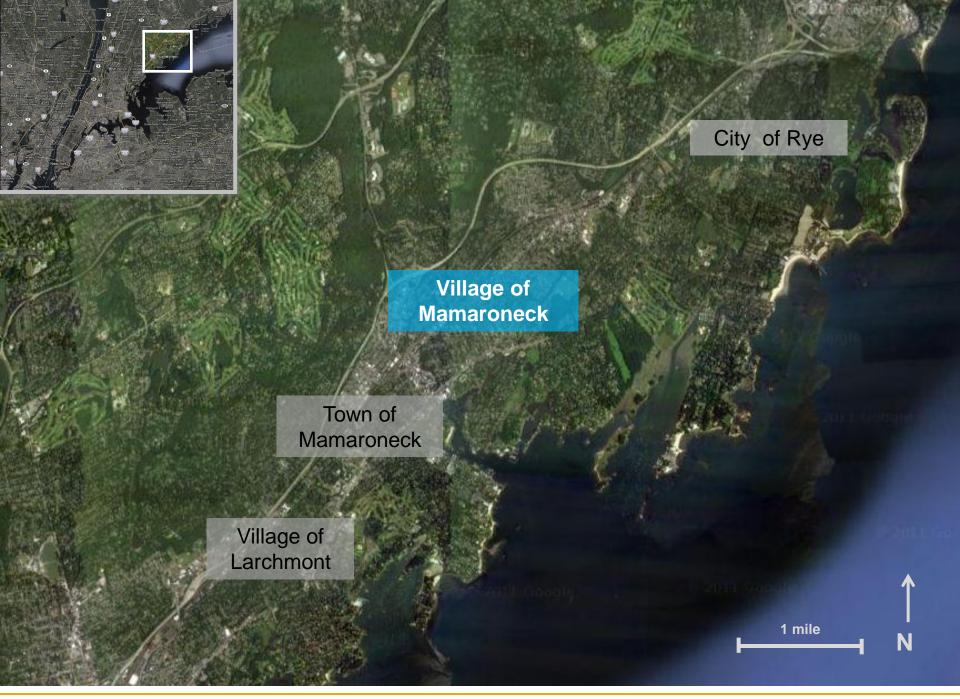
## REMOVE ROCKS AND PAVE SHOULDER WHERE FEASIBLE

## INEFFECTIVE CROSSINGS NEAR SCHOOLS

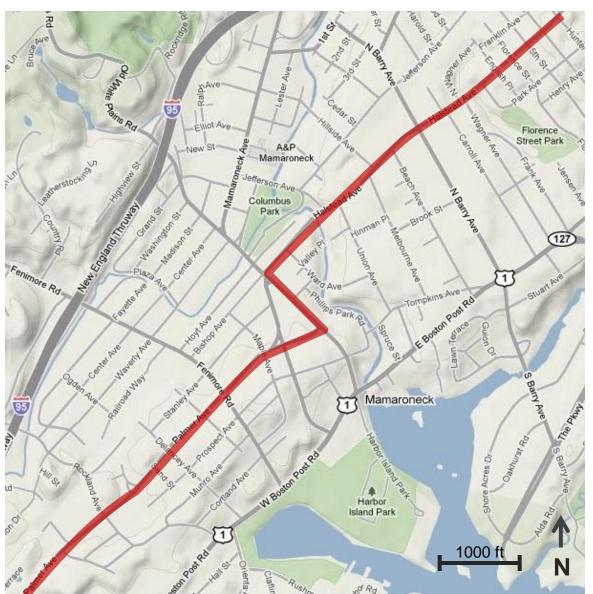


## INEFFECTIVE CROSSINGS NEAR SCHOOLS





### **VILLAGE OF MAMARONECK**



## HALSTEAD AVE MAMARONECK AVE PALMER AVE

between Hunter St & Richbell Road

#### **FEATURES:**

DOWNTOWN MAMARONECK
METRO NORTH STATION
COLUMBUS PARK
HARBOR ISLAND PARK

#### **OBJECTIVES:**

ECONOMIC DEVELOPMENT RECREATION & FITNESS INTERMODAL

## METRO NORTH STATION EXIT

How do I get across the street?









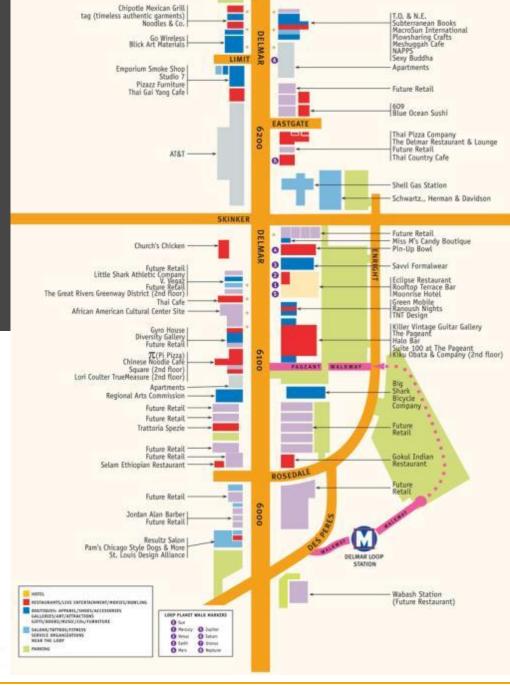
## CENTRAL SHOPPING DISTRICT

Where is it?

## WAYFINDING

Good for shoppers and businesses







## BACK-IN ANGLE PARKING



# 25% REDUCTION IN ACCIDENTS

- Pennsylvania DOT

- → Improved safety
- → Increased visibility
- → Fewer collisions
- → Easier loading & unloading

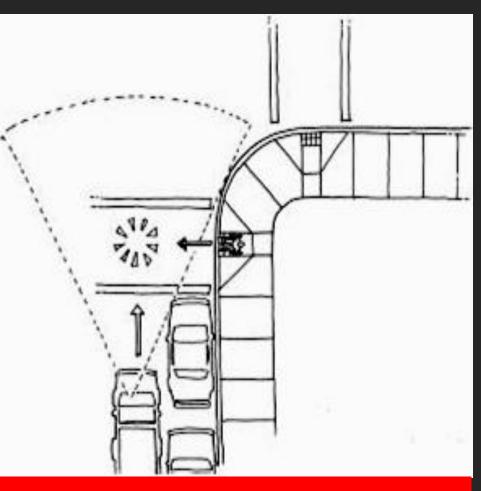


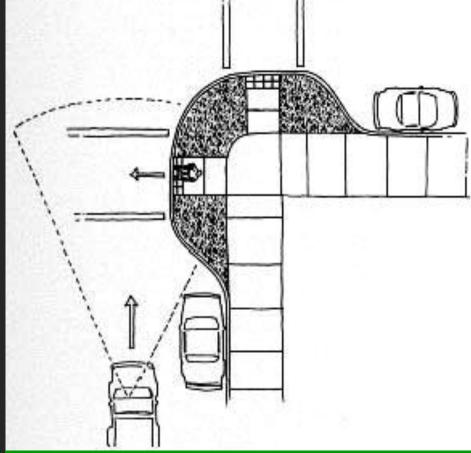
# **NORTH BARRY & HALSTEAD**

**Thinking Beyond Crosswalks** 



# **CURB EXTENSIONS**





LESS SAFE

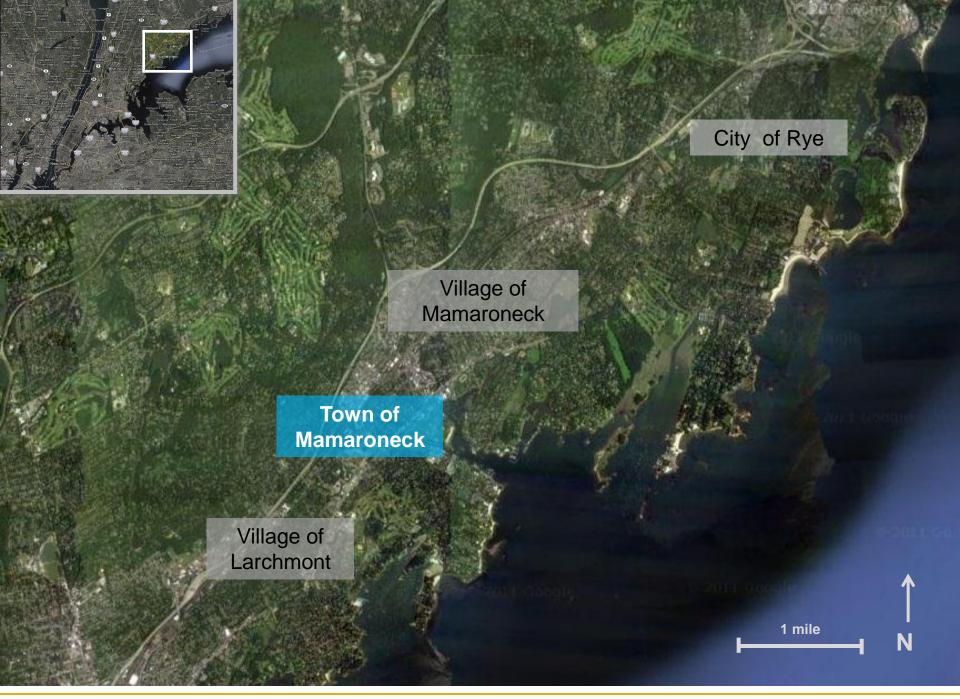
**MORE SAFE** 



# ON-STREET CROSSWALK SIGN

A street safe for kids





#### **TOWN OF MAMARONECK**



#### PALMER AVENUE

between Richbell Road & Depot Way E

FEATURES:
CENTRAL SCHOOL
WALTER'S HOTDOG STAND

OBJECTIVES: RECREATION & FITNESS SAFETY

# MAMARONECK CENTRAL SCHOOL

**Insufficient Crosswalk** 







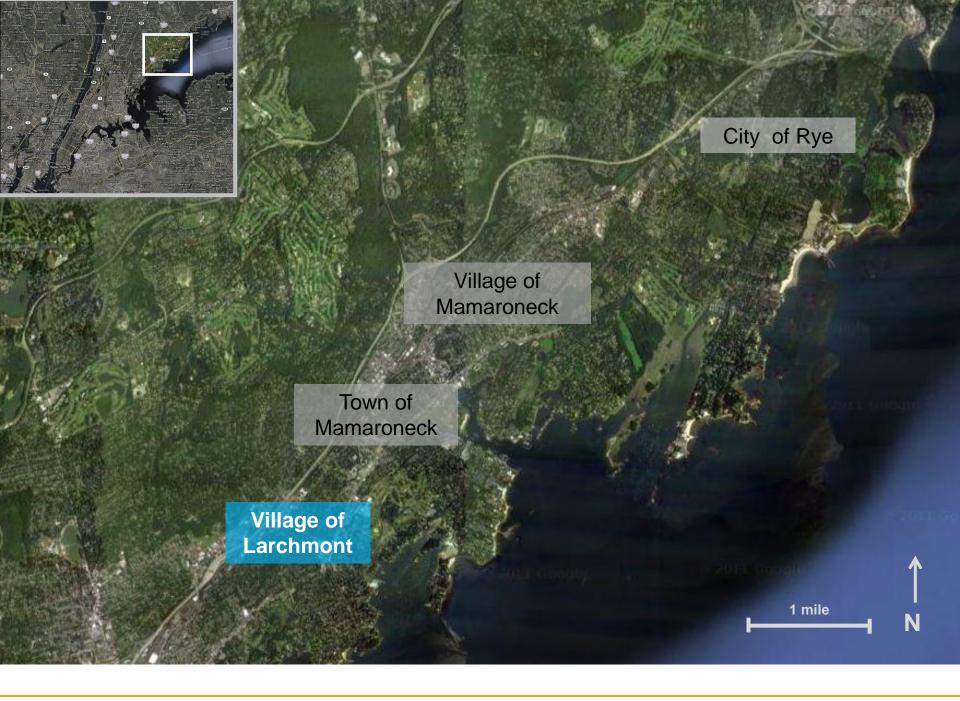


# WALTER'S HOTDOG STAND

**A Local Culinary Destination** 







#### **VILLAGE OF LARCHMONT**



#### **CHATSWORTH AVE**

between Palmer Ave & Boston Post Road

#### **LARCHMONT AVE**

between Palmer Ave & Magnolia Avenue

#### **FEATURES:**

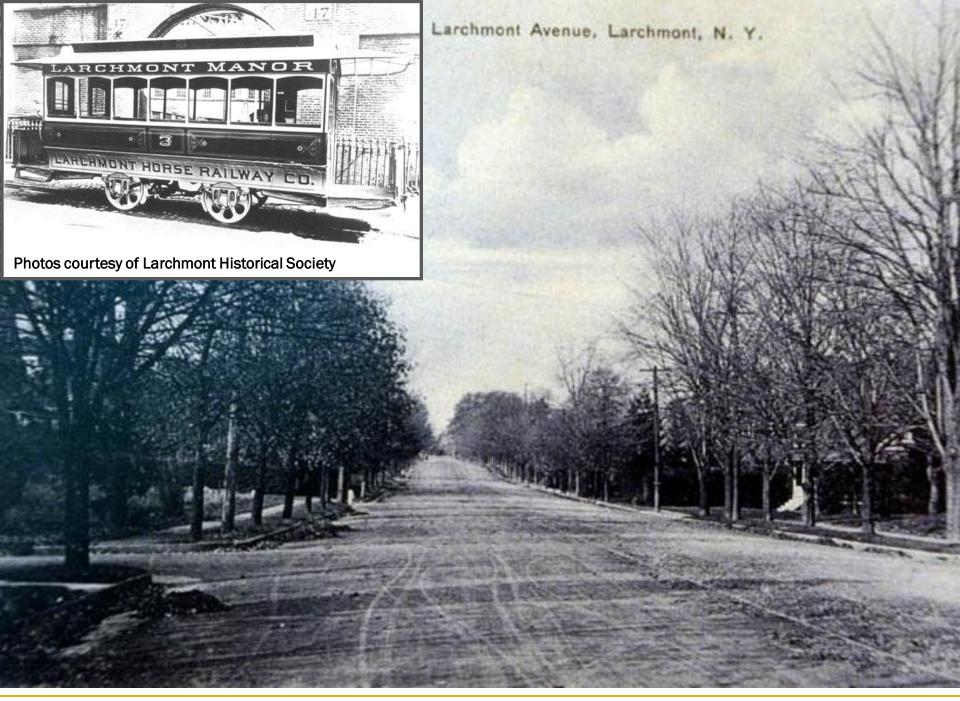
DOWNTOWN LARCHMONT
METRO NORTH STATION
MANOR BEACH PARK
HOUSES OF WORSHIP
MUNICIPAL BUILDINGS

#### **OBJECTIVES:**

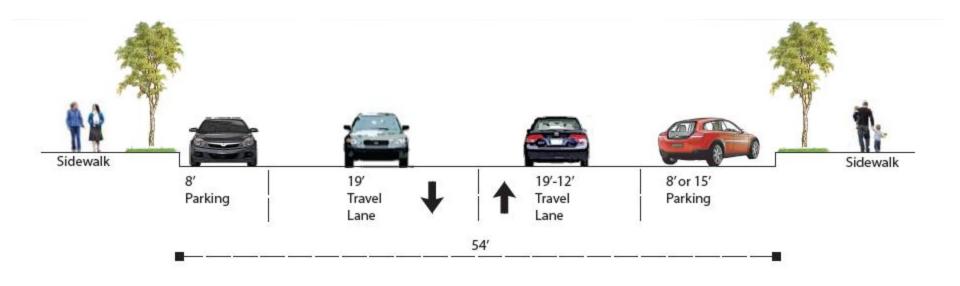
ECONOMIC DEVELOPMENT RECREATION & FITNESS INTERMODAL

# LARCHMONT AVENUE @ Willow

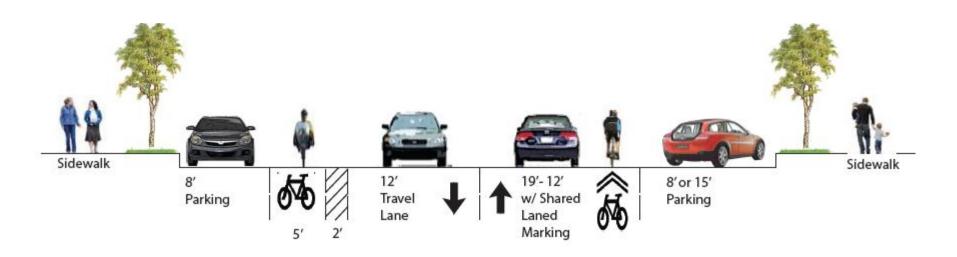




## EXISTING: Larchmont Avenue (South of Boston Post Road)

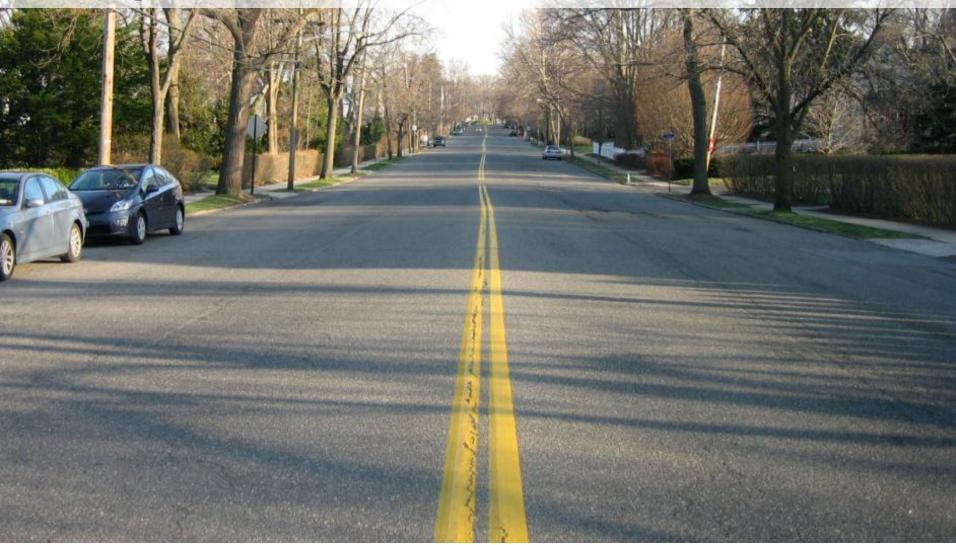


#### PROPOSED: Sharrow & Bike Lane



# LARCHMONT AVE @ Willow Ave

**Existing Conditions** 

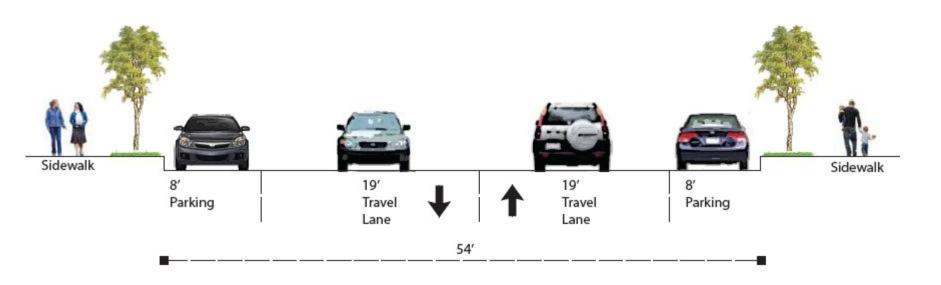


# LARCHMONT AVE @ Willow Ave

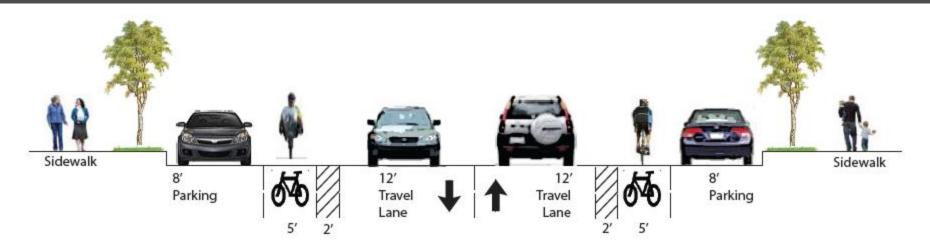
Proposed: Sharrow & Bike Lane

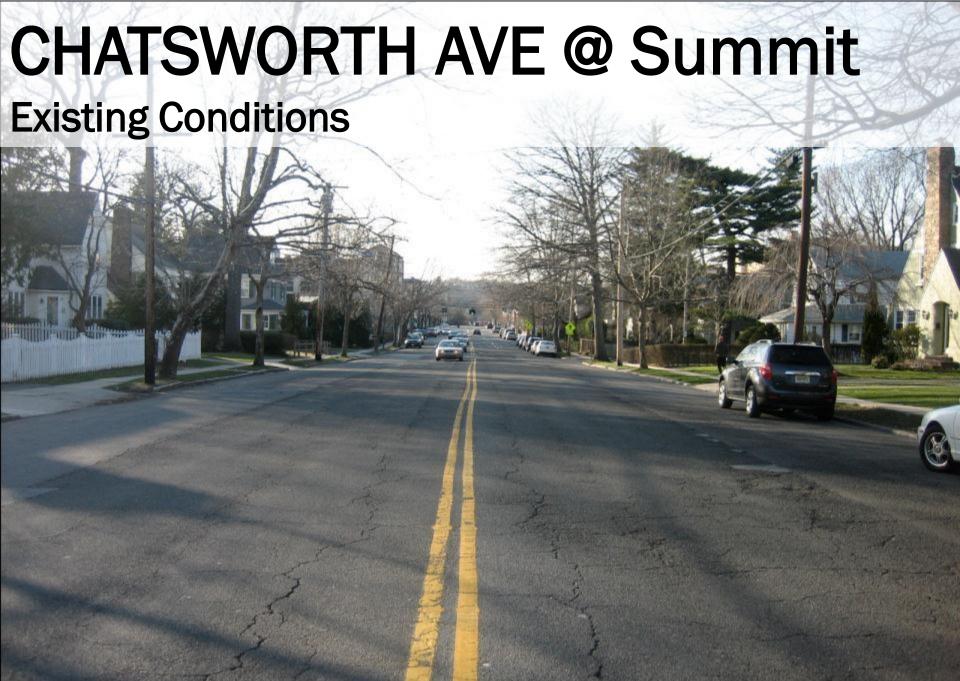


### EXISTING: Chatsworth Avenue @ Summit



## PROPOSED: Bike Lanes & Buffers



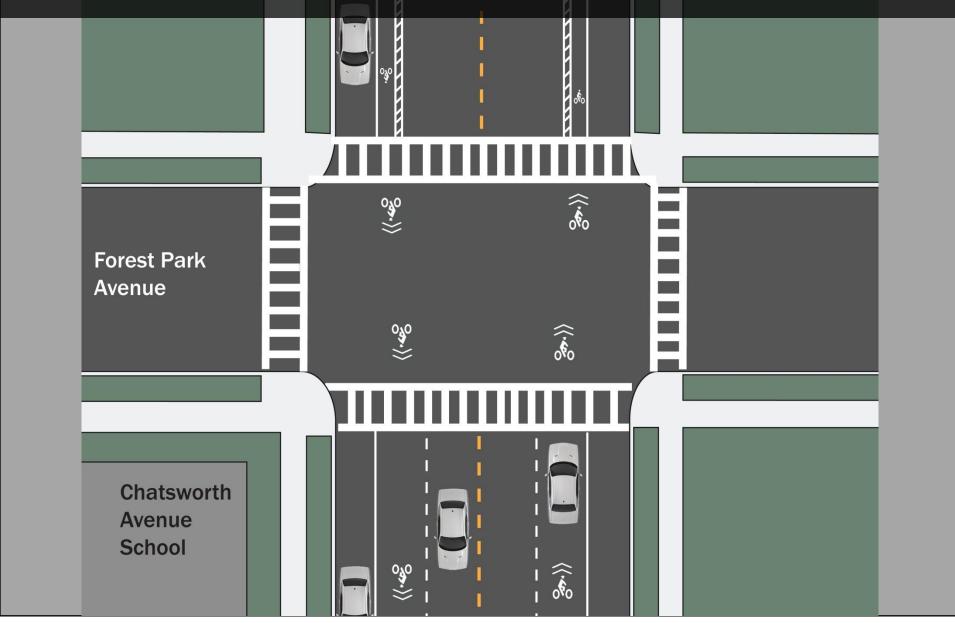


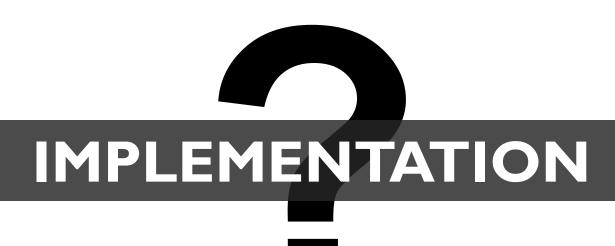
# **CHATSWORTH AVE @ Summit**

Proposed: Bike Lanes & Buffers



# TRANSITION AT INTERSECTION





#### **IMPLEMENTATION STRATEGY: POLICY**

## STATE A VISION

## **CREATE A CONTEXT**

## **DRAFT A POLICY**

## **IMPLEMENT POLICY**

#### **IMPLEMENTATION STRATEGY: FUNDING**

## **VALUE THE INVALUABLE**

## **START SMALL**

## **PLAN AHEAD**

#### **FUNDING SOURCES**

# **FEDERAL AND STATE**

Safe, Accountable, Flexible, Efficient Transportation Equity Act
Safe Routes to Schools (SRTS)
Transportation Enhancement Program (TEP)
SAFETEA-LU EXPIRED MARCH 2011

#### LOCAL

Capital Improvement Plan

### **PRIVATE GRANTS**





