COMPLETE STREETS
THE SOUND SHORE COMMUNITY

NYU CAPSTONE TEAM:
PAUL CHENARD
REBECCA KRAUSS
SCOTT JOHNSON
ALBERT SILVESTRI
ELISABETH WOOTON
CAPSTONE TEAM

CITY OF RYE

VILLAGE OF MAMARONECK

TOWN OF MAMARONECK

VILLAGE OF LARCHMONT
WHY COMPLETE STREETS
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
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
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

Source: The Complete Streets Coalition (TCSC)
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
2011
BILL PENDING
DESIGN INTERVENTIONS

PEDESTRIANS

BICYCLES

VEHICLES

ENVIRONMENT
PEDESTRIAN INTERVENTIONS

- Curb Extension
- Refuge Island
- Crosswalk
BICYCLE INTERVENTIONS

SHOULDER

BIKE LANE

SHARROW
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

SIGNAGE

BIKE ROUTE

SPEED HUMPS

BACK-IN ANGLE
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...

→ Removes of 26 pounds of CO₂ 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 130th Street
CITY OF RYE

FOREST AVENUE
between Grace Church St & Van Wagener 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

EXISTING: EVE LANE CROSSWALK

Eve Lane
Near Midland School

Hewlett Ave
Near Milton School
INEFFECTIVE CROSSINGS NEAR SCHOOLS

PROPOSED: RAISED CROSSWALK

Eve Lane
Near Midland School

Hewlett Ave
Near Milton School
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?
PEDESTRIAN WALKWAY
PEDESTRIAN WALKWAY
CENTRAL SHOPPING DISTRICT
Where is it?
WAYFINDING

Good for shoppers and businesses
MAMARONECK AVENUE
Parking in Downtown
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
SAFER CROSSING

CURB EXTENSION
PALMER AVENUE
Unsafe for bicyclists
DEFINE PARKING LANE & SHARROWS
Safe for bicyclists
WALTER’S HOTDOG STAND
A Local Culinary Destination
GREAT DESTINATIONS MADE BETTER

Bike Parking

Pop-Up Cafe
CASE STUDIES

City of Rye

Village of Larchmont

Town of Mamaroneck

Village of Mamaroneck

1 mile
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
Underutilized & Underused
Photos courtesy of Larchmont Historical Society
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
Existing Conditions
CHATSWORTH AVE @ Summit
Proposed: Bike Lanes & Buffers
TRANSITION AT INTERSECTION

Forest Park Avenue

Chatsworth Avenue School
IMPLEMENTATION
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

Advocacy Advance
Bikes Belong
THANK YOU!

City of Rye
Village of Mamaroneck
Town of Mamaroneck
Village of Larchmont

NYU Wagner
Robert F. Wagner Graduate School of Public Service