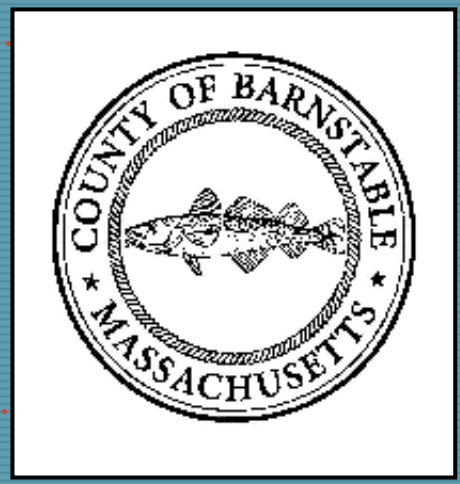
West Chatham Main Street Intersections & Corridor Design Process

Public Information Meeting

October 20, 2008

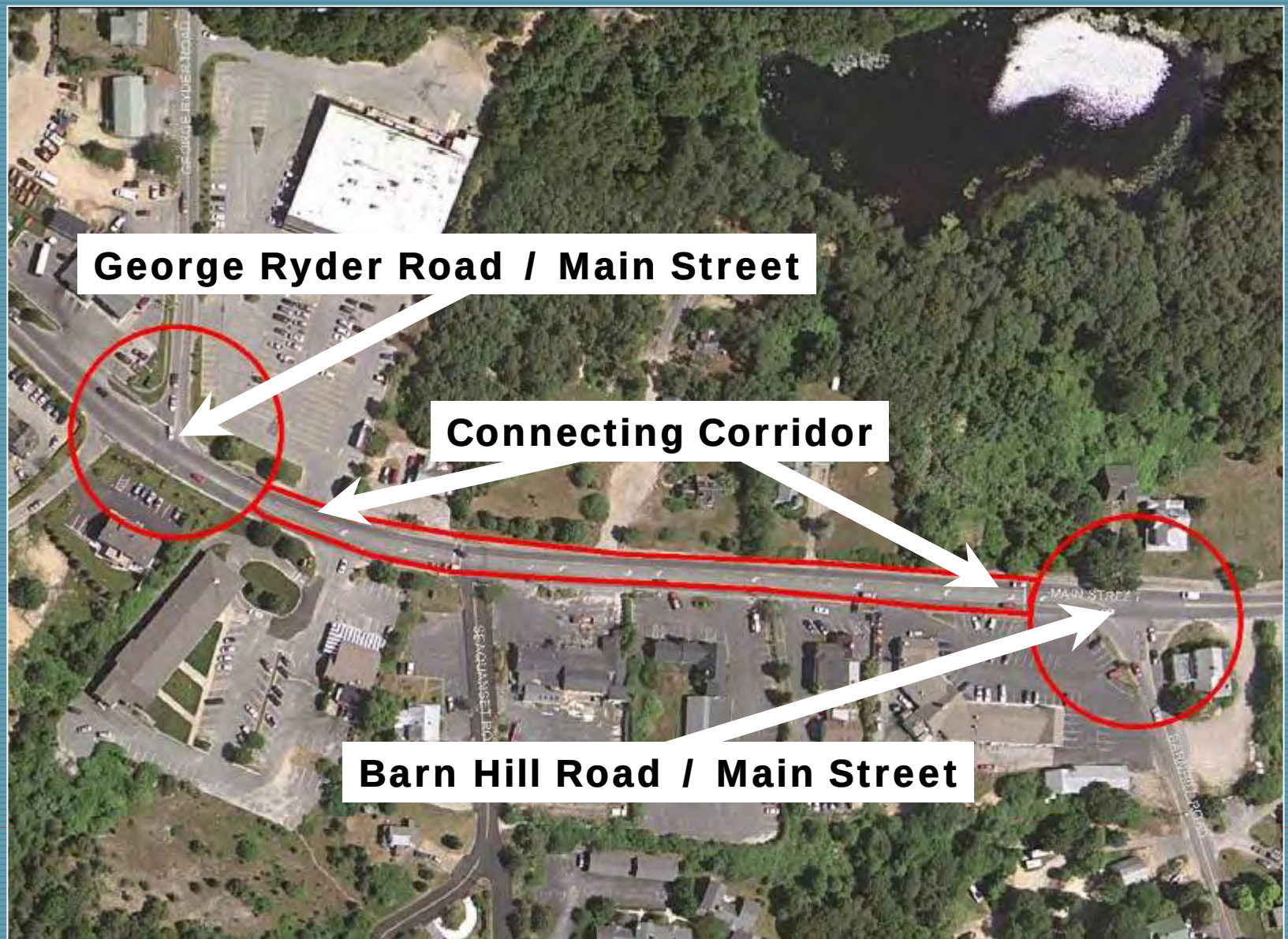
Project Team



Project Background

- Chatham Comprehensive Plan
- West Chatham Grant Study
- Article 12 (ATM 2007)

Project Area



Project Update

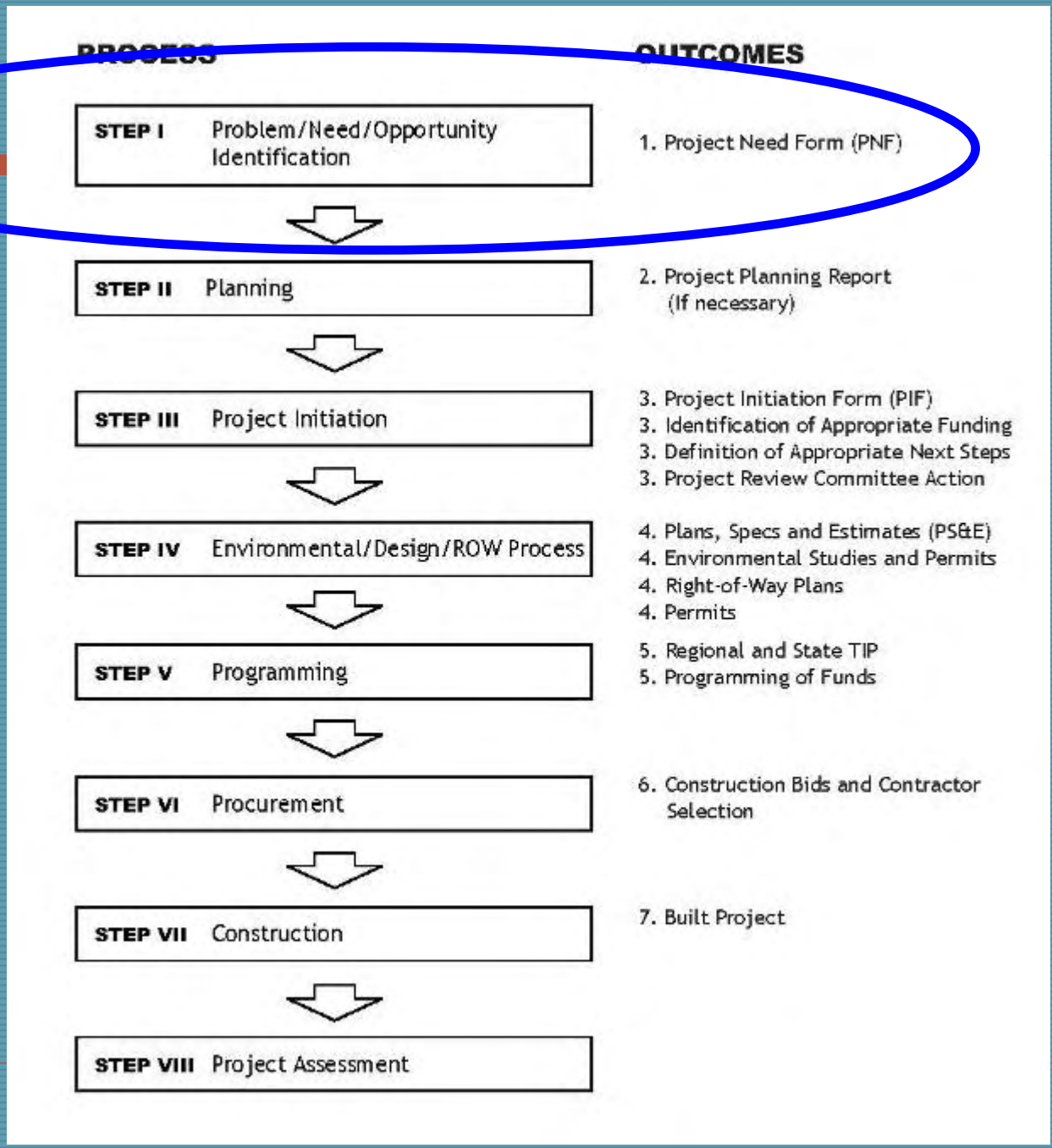
- MHD/CCC Coordination
- Data Collection

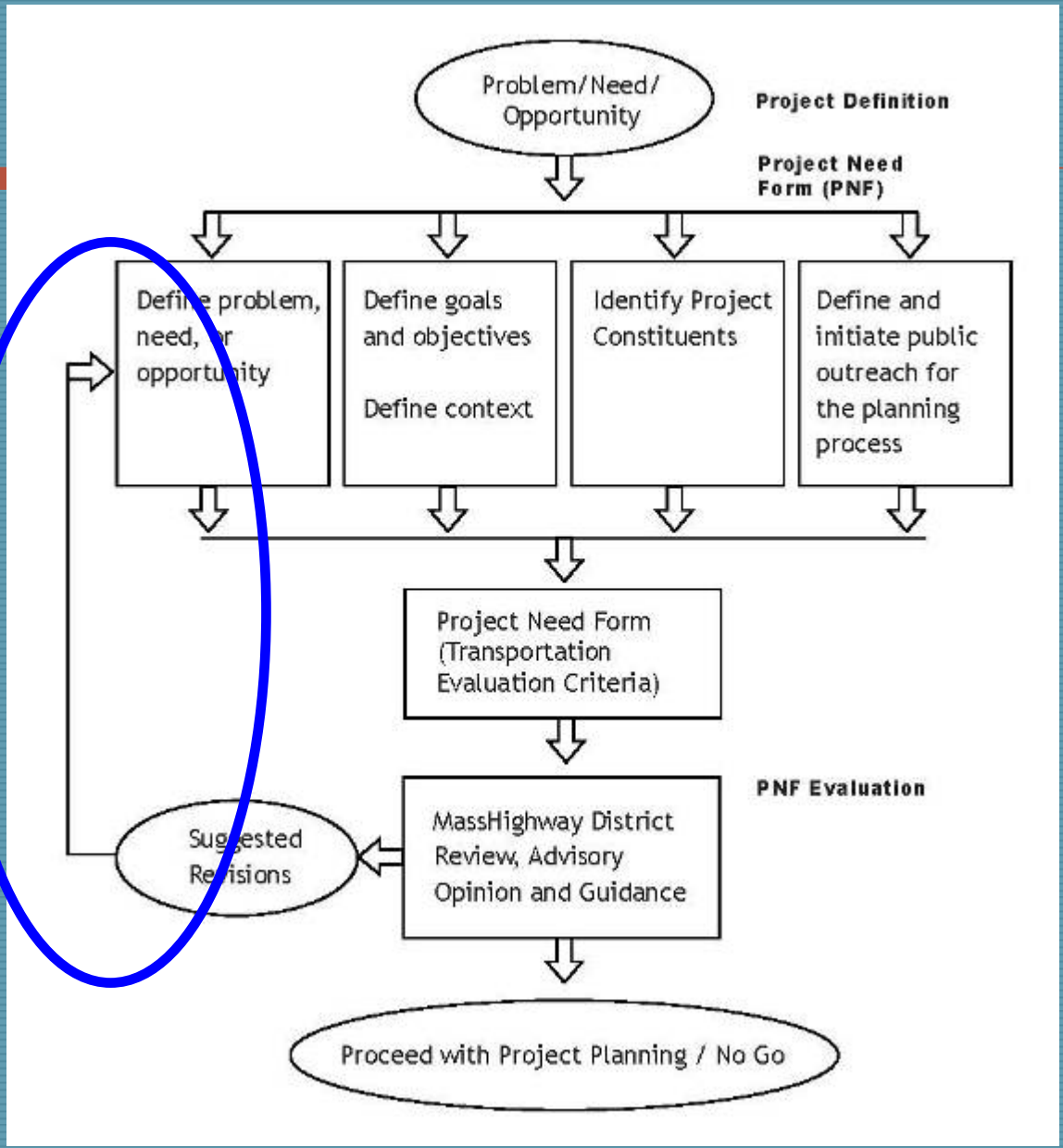
Project Update

- Draft Project Need Form (PNF)

MHD Guidebook

- Multimodal Consideration
- Context Sensitive Design
- Clear Project Development Process


PROCESS
OUTCOMES
STEP I Problem/Need/Opportunity Identification
1. Project Need Form (PNF)
STEP II Planning
2. Project Planning Report (If necessary)
STEP III Project Initiation
3. Project Initiation Form (PIF)
3. Identification of Appropriate Funding
3. Definition of Appropriate Next Steps
3. Project Review Committee Action
STEP IV Environmental/Design/ROW Process
4. Plans, Specs and Estimates (PS&E)
4. Environmental Studies and Permits
4. Right-of-Way Plans
4. Permits
STEP V Programming
5. Regional and State TIP
5. Programming of Funds
STEP VI Procurement
6. Construction Bids and Contractor Selection
STEP VII Construction
7. Built Project
STEP VIII Project Assessment


Problem/Need/ Opportunity
Project Definition
Project Need Form (PNF)
Define problem, need, or opportunity
Define goals and objectives
Define context
Identify Project Constituents
Define and initiate public outreach for the planning process
Project Need Form (Transportation Evaluation Criteria)
PNF Evaluation
MassHighway District Review, Advisory Opinion and Guidance
Suggested Revisions
Proceed with Project Planning / No Go

Public Review Milestones

- **Problem Need (Step 1)**
  - Local Meetings
- **Planning (Step 2)**
  - Local Issues/Alternatives
- **Design/ROW (Step 4)**
  - Public Information Meeting
  - MEPA NEPA documentation
  - Public Hearings
  - ROW (if necessary)

Public Review Milestones

- **Programming (Step 5)**
  - JTC/TIP/MPO Meetings
- **Construction (Step 7)**
  - Community Informational Meetings

Cape Cod Commission

- Traffic Data Collection
- Potential Concepts to Consider

Traffic Data Collection

Turning Movement Counts: 9 am – 5 pm

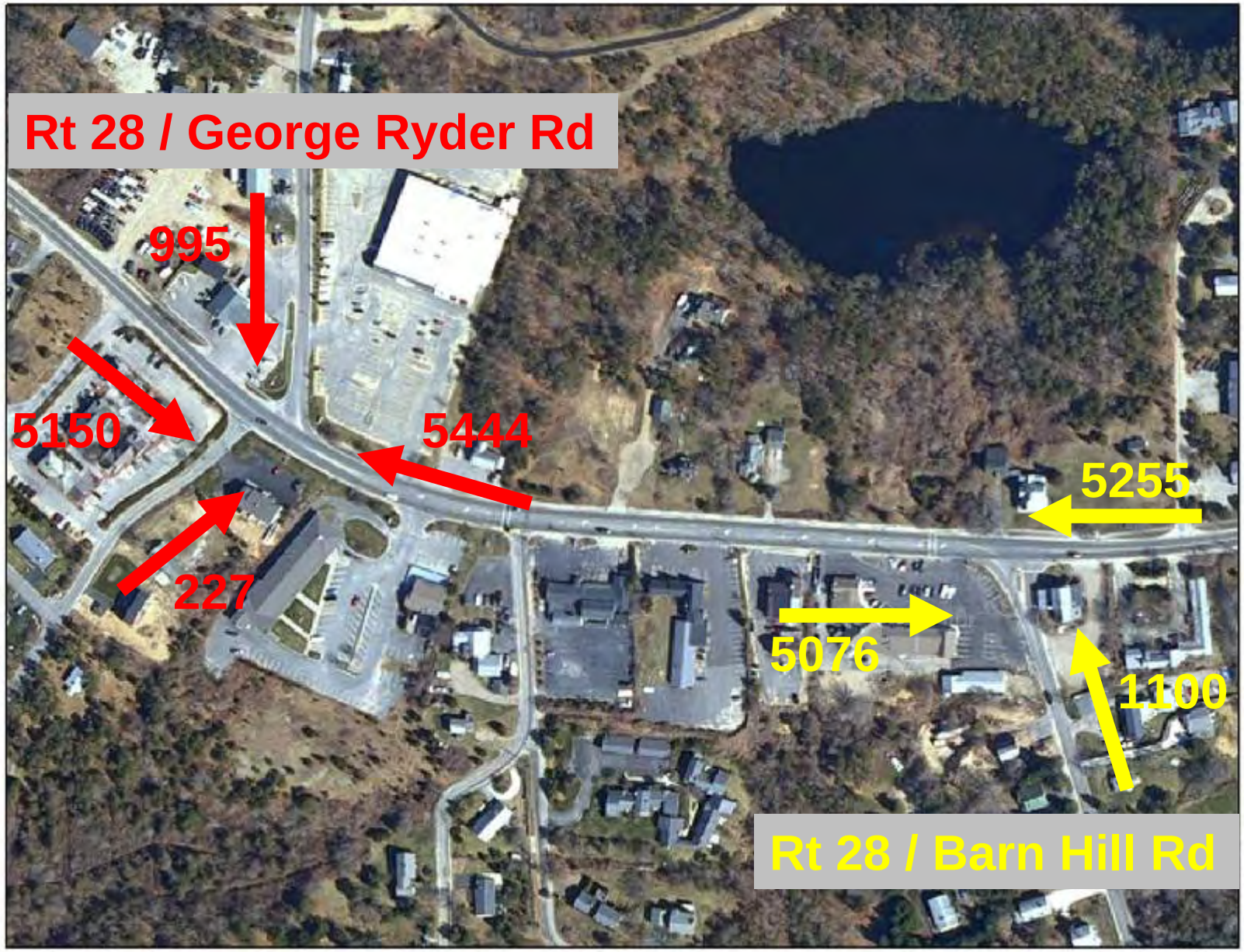
George Ryder Rd Intersection

- Total volume: 11,816
- Truck %: 3.0%
- Total Bicycles: 84
- Total Pedestrians: 63
- Peak Hour: 12:30 – 13:30
- 4-5 pm Volume: 1,527

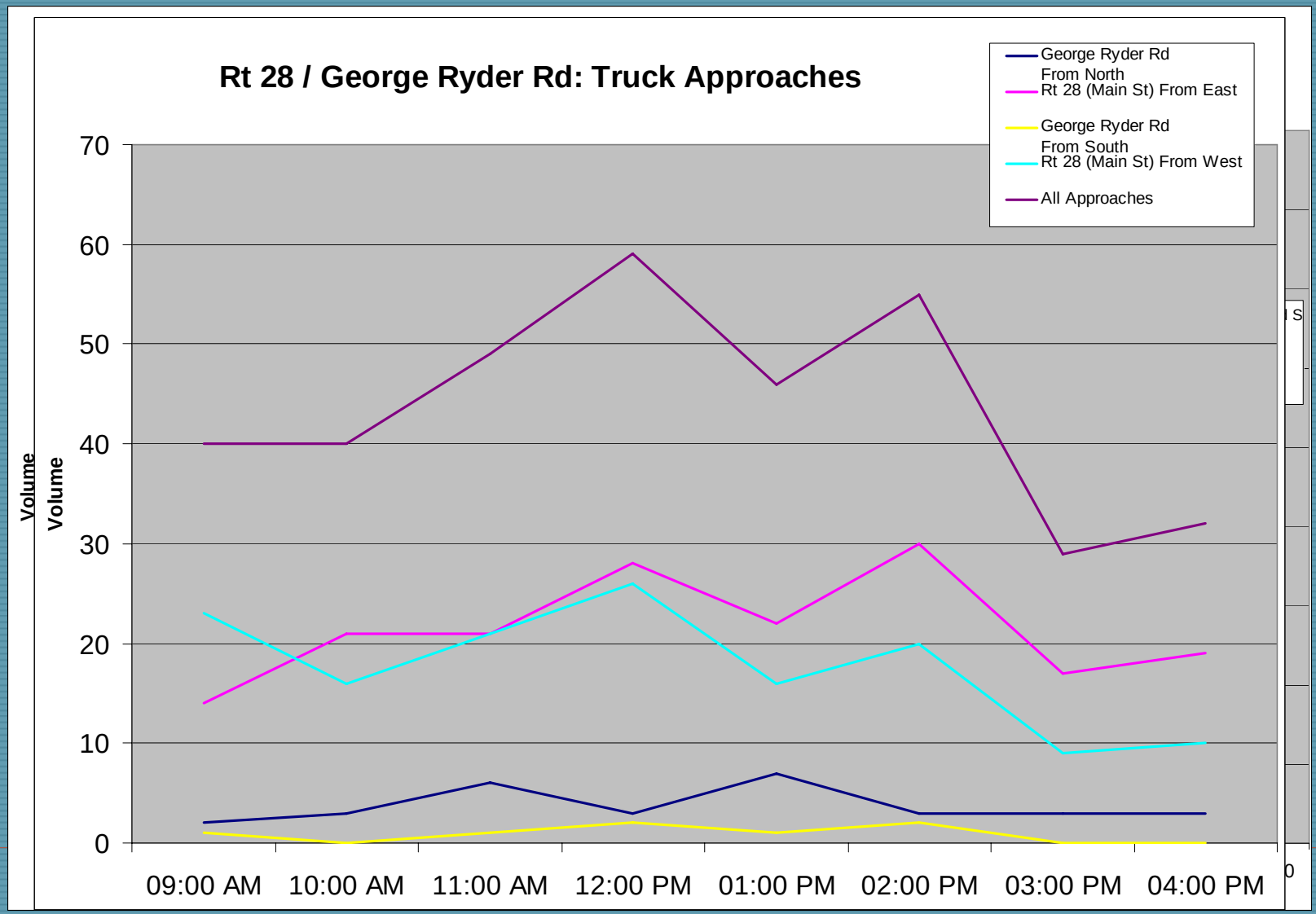
Barn Hill Rd Intersection

- Total volume: 11,431
- Truck %: 3.1%
- Total Bicycles: 65
- Total Pedestrians: 61
- Peak Hour: 12:15 – 13:15
- 4-5 pm Volume: 1,470

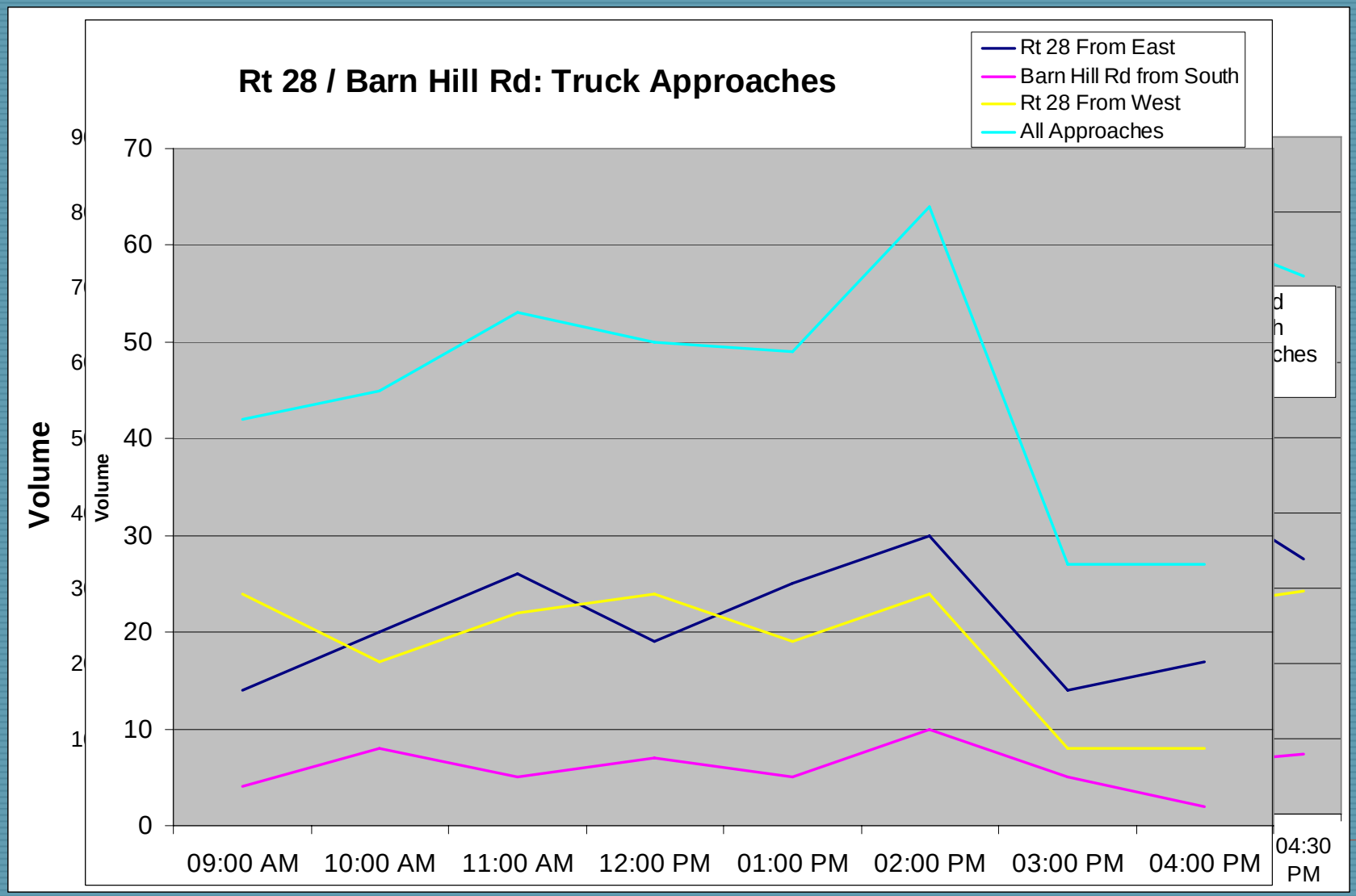
Volumes by Approach



George Ryder Rd Approach Volumes



Barn Hill Rd Approach Volumes



Automatic Traffic Recording

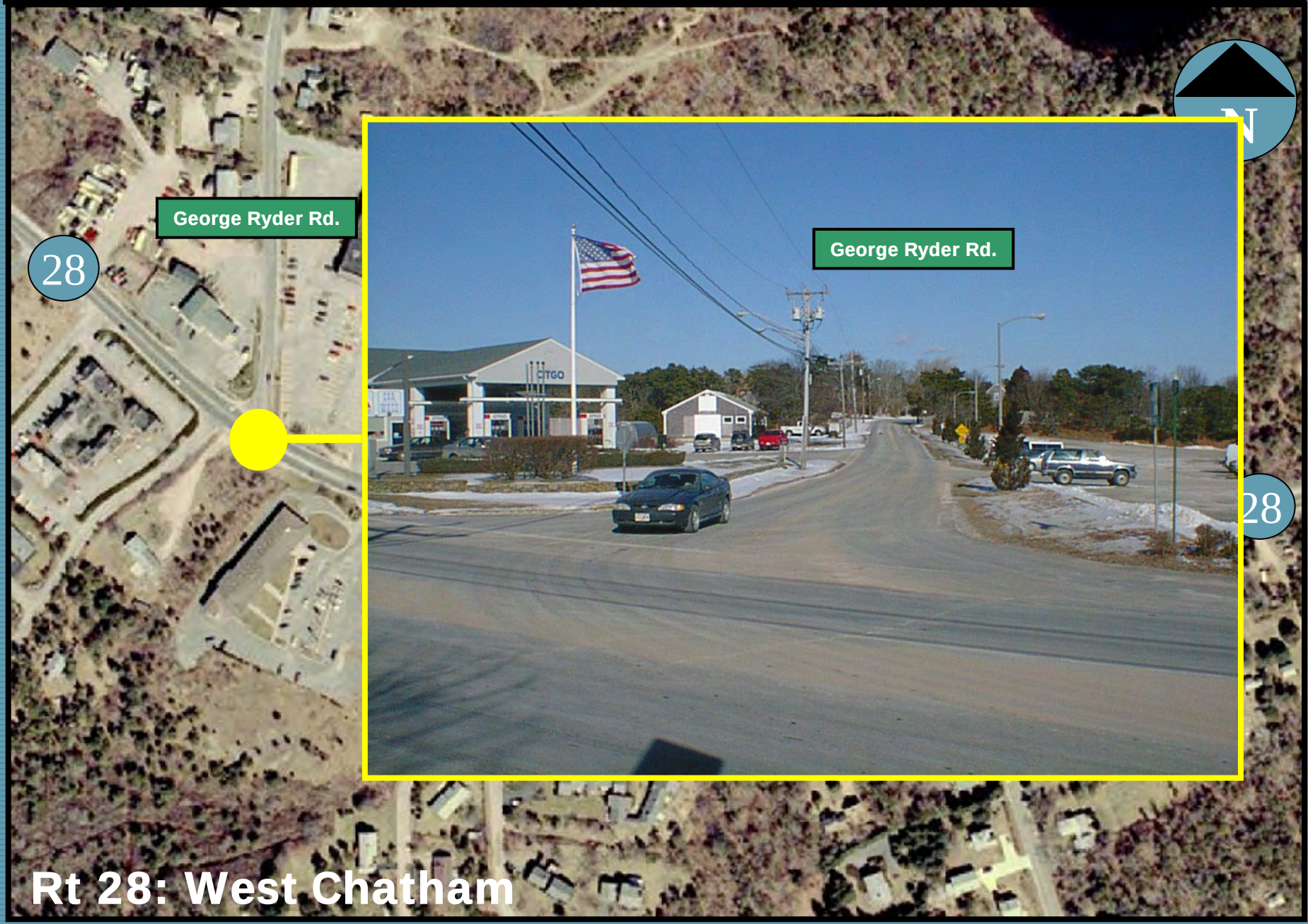
Route 28 East of Barn Hill Rd
Dates Recorded: 7/21-7/23
AADT: 13,653
Peak Hour: 4-5 pm
4-5 pm Average: 1,497

Potential Concepts to Consider

George Ryder Road

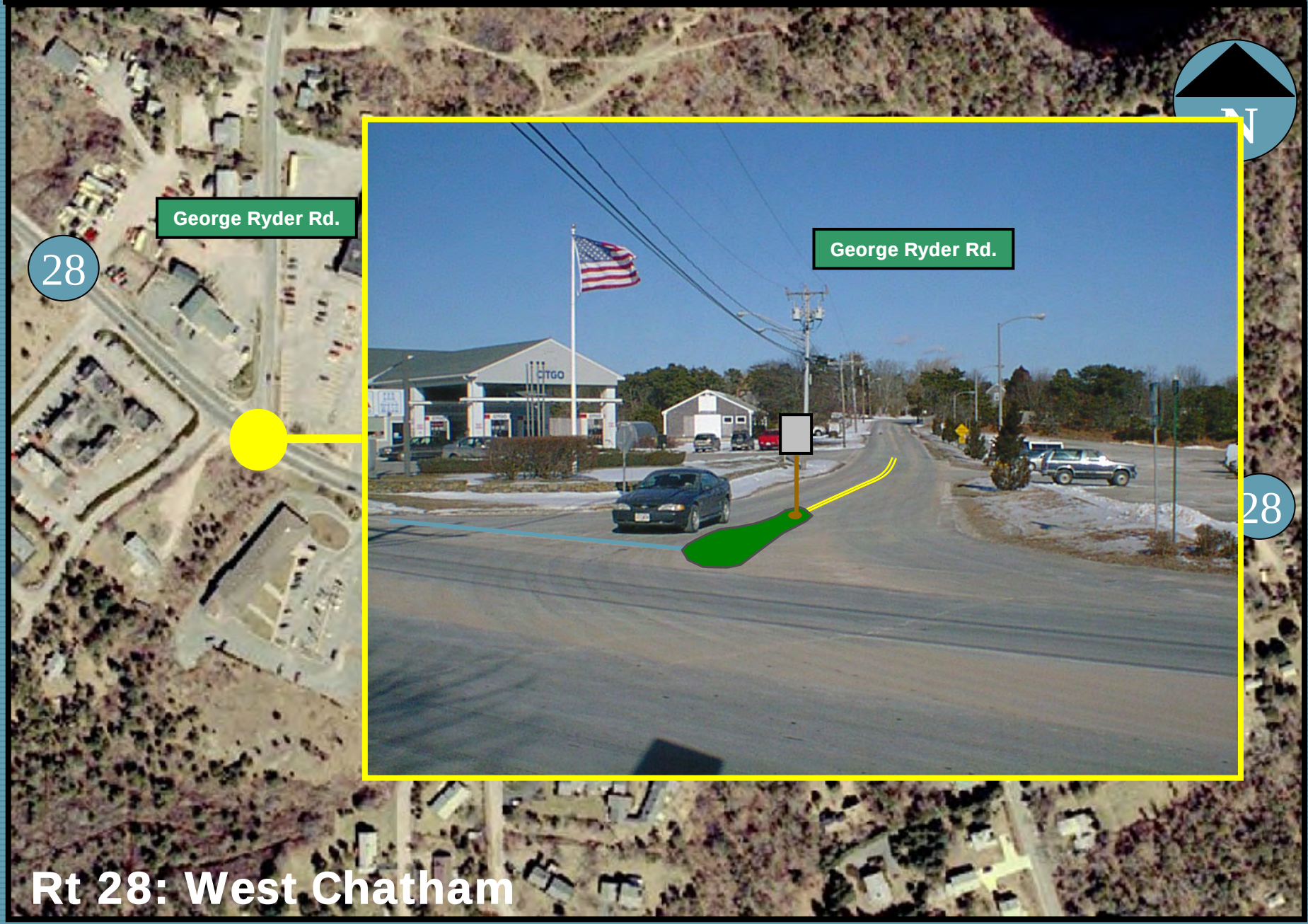
Route 28 and George Ryder Road

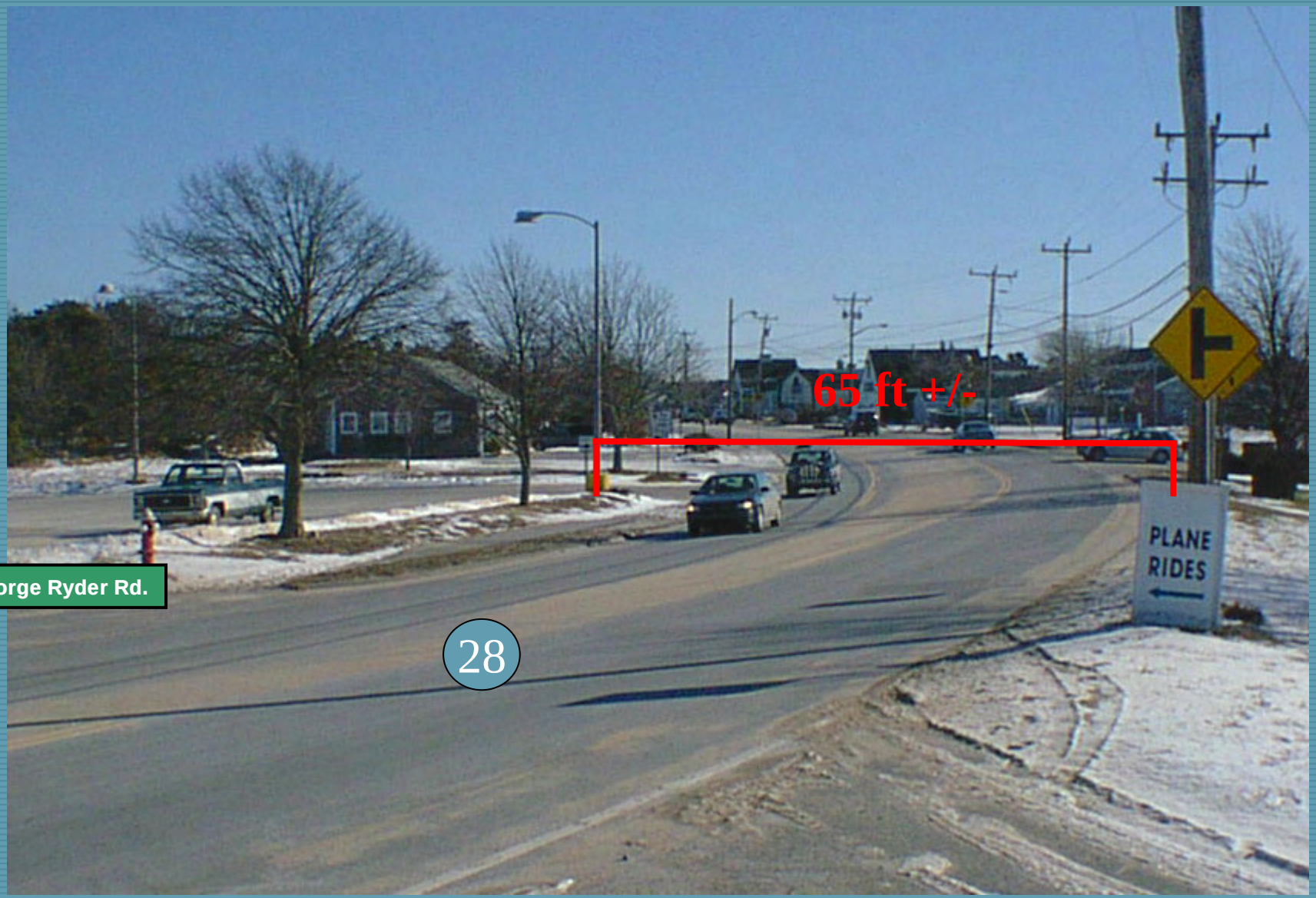
Route 28 and George Ryder Road



Route 28 and George Ryder Road

Route 28 and George Ryder Road




65 ft +/-
PLANE
RIDES
George Ryder Rd.
28

George Ryder Rd.
28
PLANE
RIDES

George Ryder Rd.
28
PLANE
RIDES

George Ryder Rd.
28
PLANE
RIDES

George Ryder Rd.

Route 28 / George Ryder Road Concept

Route 28

George Ryder Rd S

George Ryder Rd

Route 28

Consolidate Curb Cuts / Access Management

Consolidate Curb Cuts / Access Management

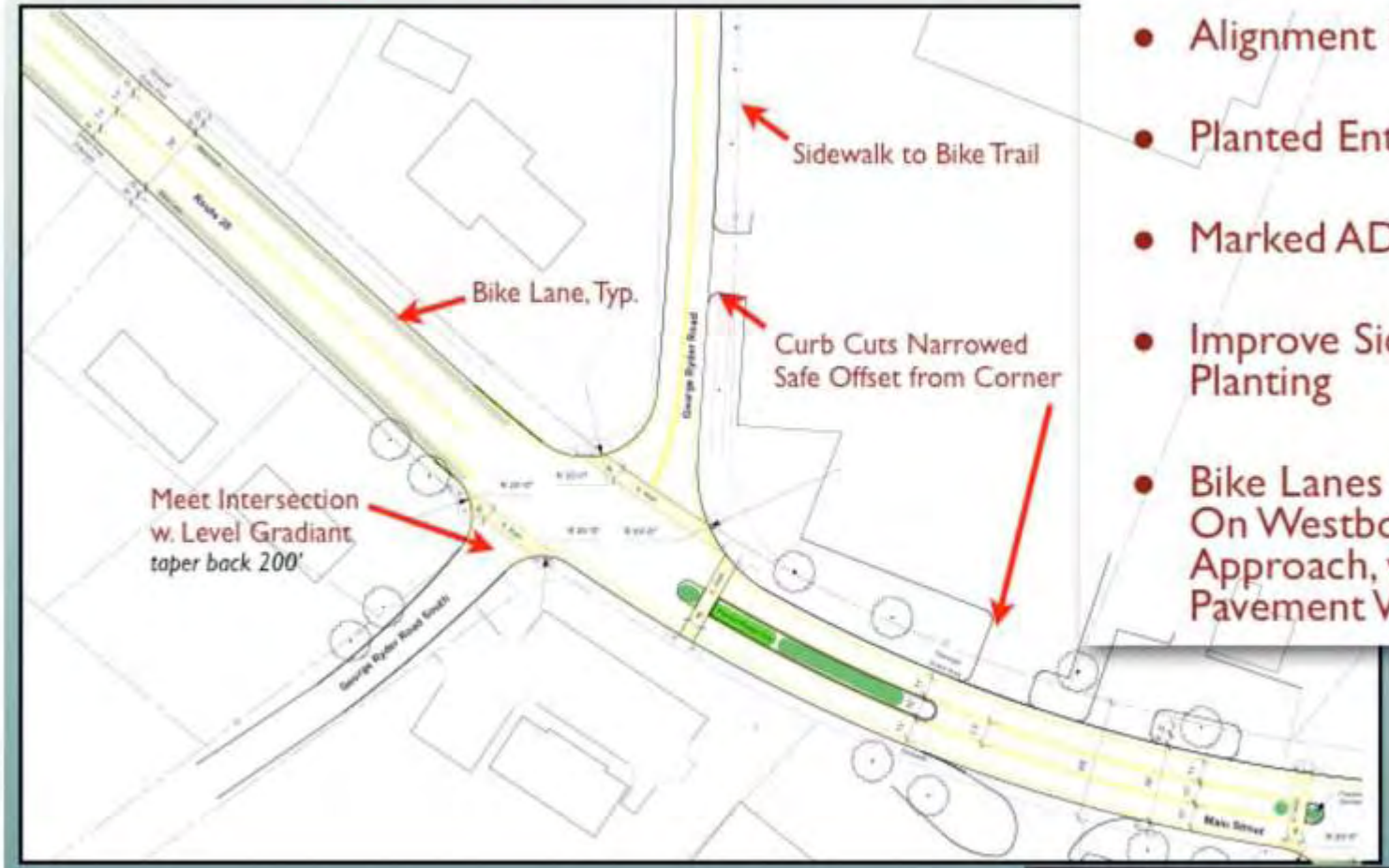
West Chatham Grant Recommendations

West Chatham Grant

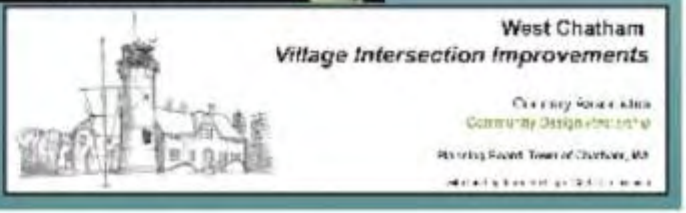
George Ryder Road Intersection Recommendations:

- Realign George Ryder Rd.
- Reduce Curb Radii
- Crosswalks / Handicap Ramps
- Relocate Curb Cuts
- Reduce Slope George Ryder Road South
- Planting Center Median
- Bike Trail Signage Access
- Sightline Improvements

George Ryder Road Improvements



- Alignment Improved
- Planted Entry Median
- Marked ADA X-ings
- Improve Sidewalks & Planting
- Bike Lanes Both Sides, On Westbound Approach, w. R.O.W. Pavement Widening

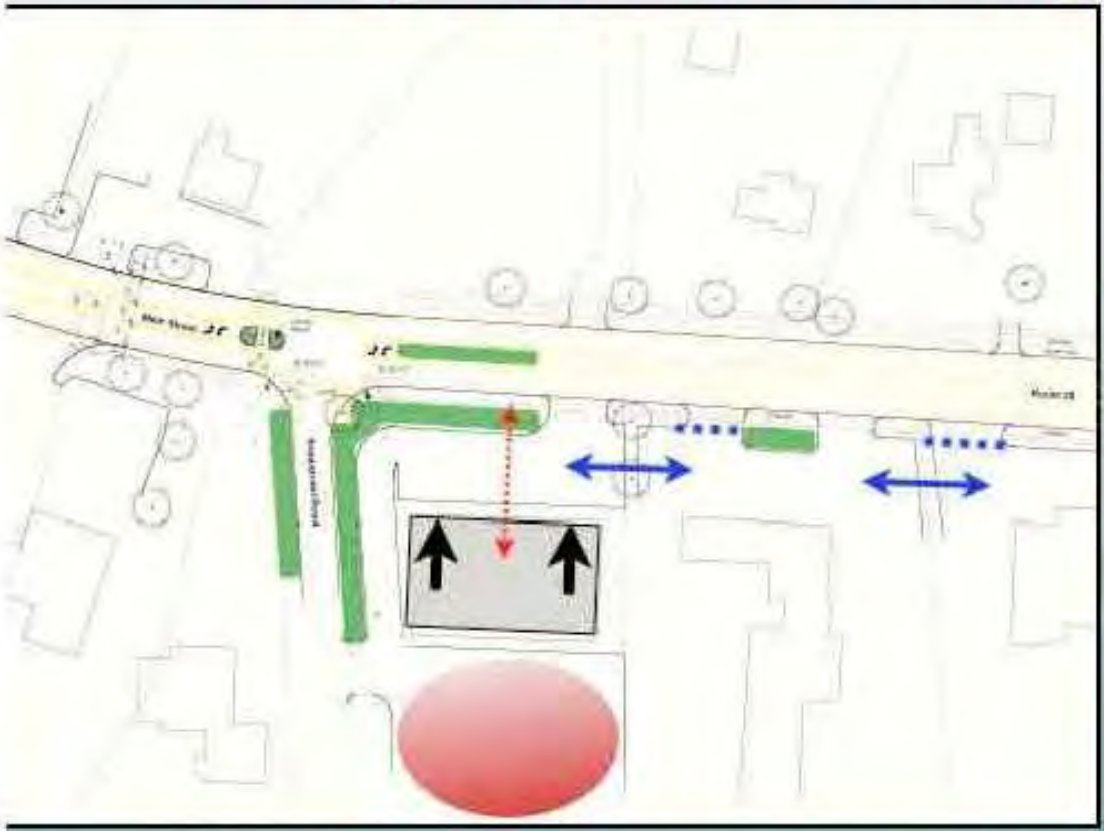


West Chatham Grant

Route 28 Roadway Recommendations:

- Reduce Lane Width
- Create Center Lane Medians
- Pedestrian Crossings
- Roadway Drainage
- Plantings
- Speed Limit Reduced
- Bike Lane/Signage
- Curbing/Driveway Aprons
- Sidewalks
- Street Furniture & Amenities

Seaquanset Road Improvements



- Continuous Turning Lane
- ADA Protected X-Walk
- Marked ADA X-ings
- Sidewalks Continuous & Enlarged on each side
- Planted Median as permited by Curb Cuts
- Opportunities to Narrow & Eliminate Curb Cuts, Enlarge Planted Areas

Potential to Increase Parking with Narrowed/Eliminated Drives

Opportunities to Link Parking Circulation Off-Street

New Building Closer to Road. Most Parking at Rear. Simplified Circulation & Enhanced Plantings

Seaquanset Road – Intersection Detail

- New Rt 28 Median
- Protected ADA Crosswalks
- Narrowed Curb Radii
- New & Widened Sidewalks
- Enlarged & Improved Planting Areas

West Chatham Grant

Barn Hill Road Intersection Recommendations:

- Relocate throat of Barn Hill
- Planted Center Median
- Crosswalks / Handicap Ramps
- Relocate Curb Cuts

Barn Hill Road Improvements

- Upgraded Signalization w. Turn Prioritization
- Continuous Turning Lane
- Planted Median as Permitted by Curb Cuts
- ADA Protected X-Walks
- Bike Lanes Possible, at Eastern Approach, w. R.O.W. Widenings req'd
- Hennigan Conservation Land

Potential to Increase Parking with Narrowed/Eliminated Drives

Opportunities to Link Parking Circulation Off-Street

Opportunity to Maximize Parking Efficiency

Barn Hill Rd –

Intersection Detail

New Rt 28 Median

Enlarged Barn Hill Median

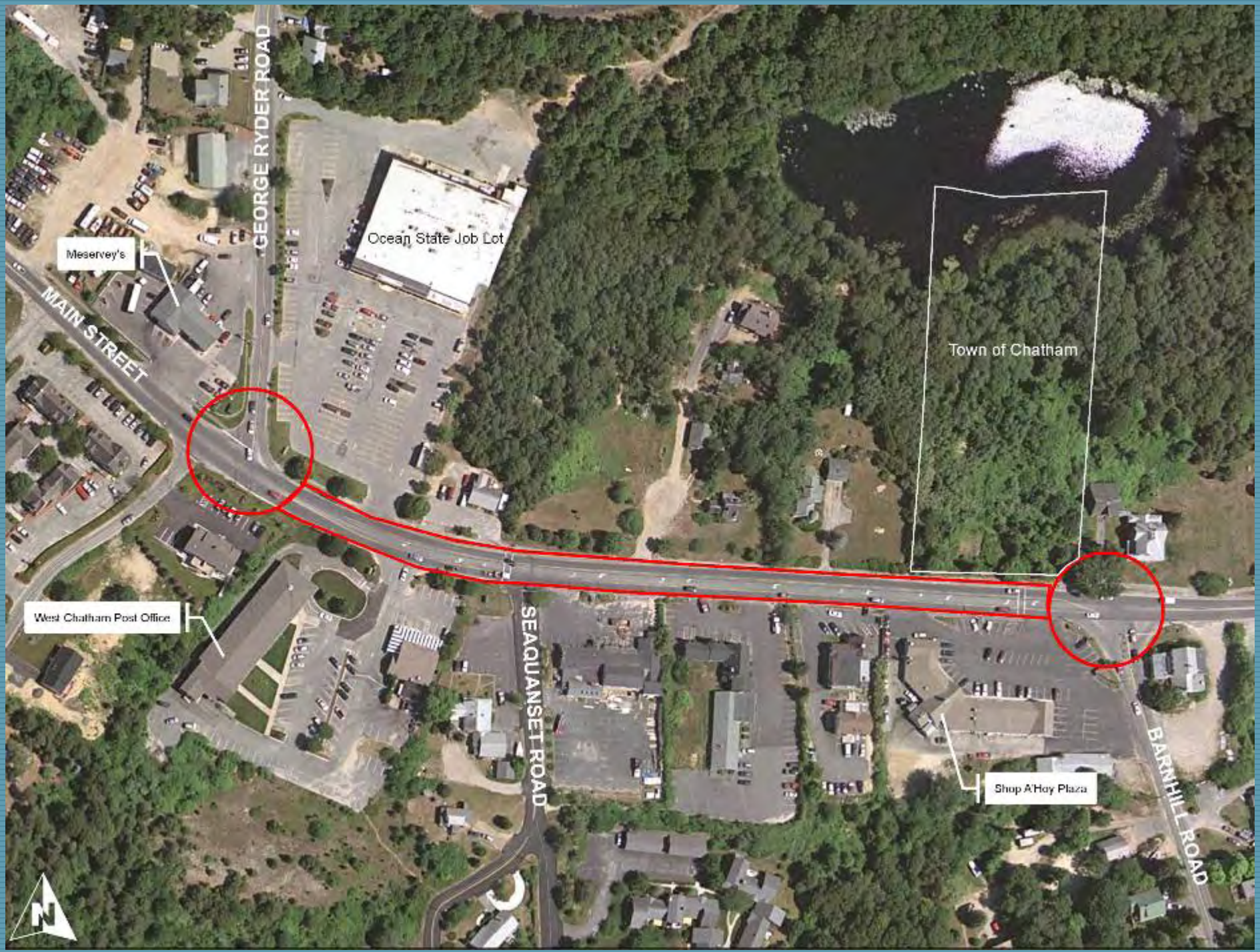
Protected ADA Crosswalks

Narrowed Curb Radii

New & Widened Sidewalks

Driveways reconfigured

Questions & Comments


GEORGE RYDER ROAD
Ocean State Job Lot
Meservey's
MAIN STREET
Town of Chatham
West Chatham Post Office
SEAQUANSET ROAD
Shop A'Hoy Plaza
BARNHILL ROAD

George Ryder Road – Existing Conditions

Seaquanset Road

Barn Hill Road