

Main Street/Crowell Road/Queen Anne Road/ Depot Road



CHATHAM | PUBLIC INFORMATION MEETING

OCTOBER 16, 2017

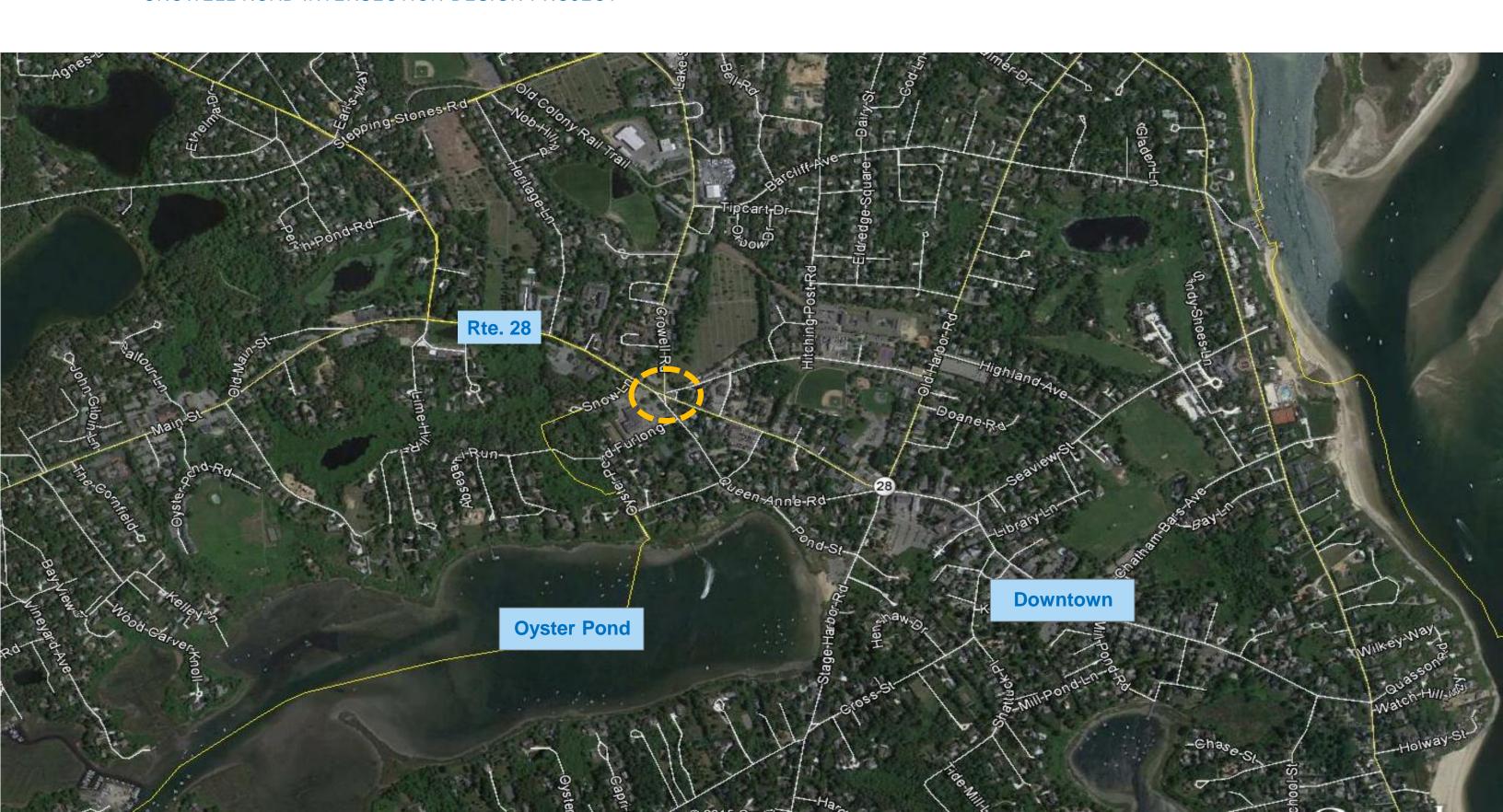




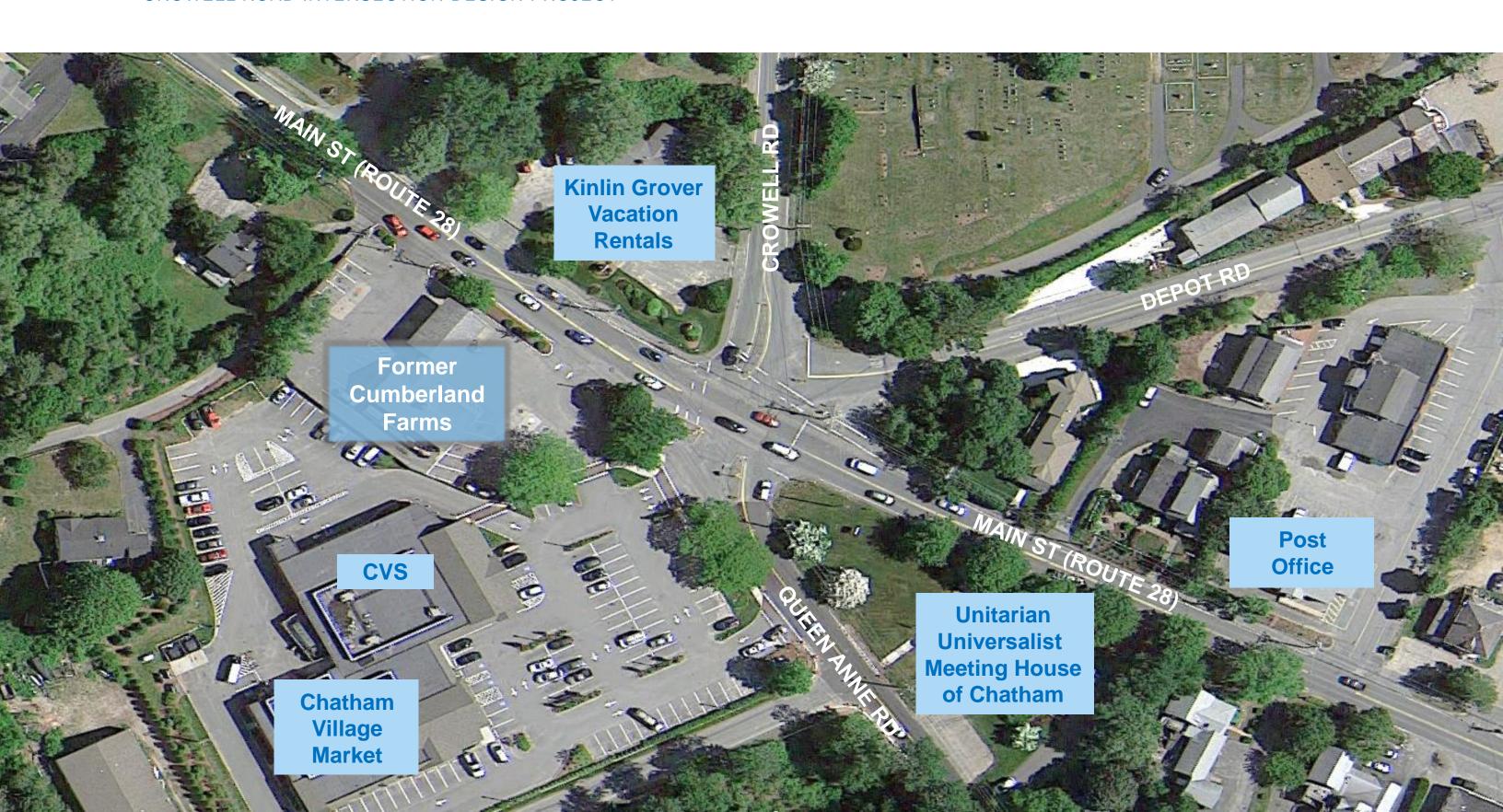
- Project Area
- Current Project History
- Existing Field Observations
- 2017 Design Concepts (HSH)
- Next Steps/Process
- Questions and Comments













Current Project History

- Town's Comprehensive Plan (2003)
- Public Outreach Meeting #1 June 22, 2015
- Abutter Interviews June 2015
- Town of Chatham and MassDOT Agency Coordination Meetings
 - May 5, 2015
 - January 18, 2017
- Appearance before Board of Selectmen August 15, 2017
 - 60 day comment period extended to October 20, 2017
- Public Outreach Meeting #2 October 16, 2017 tonight





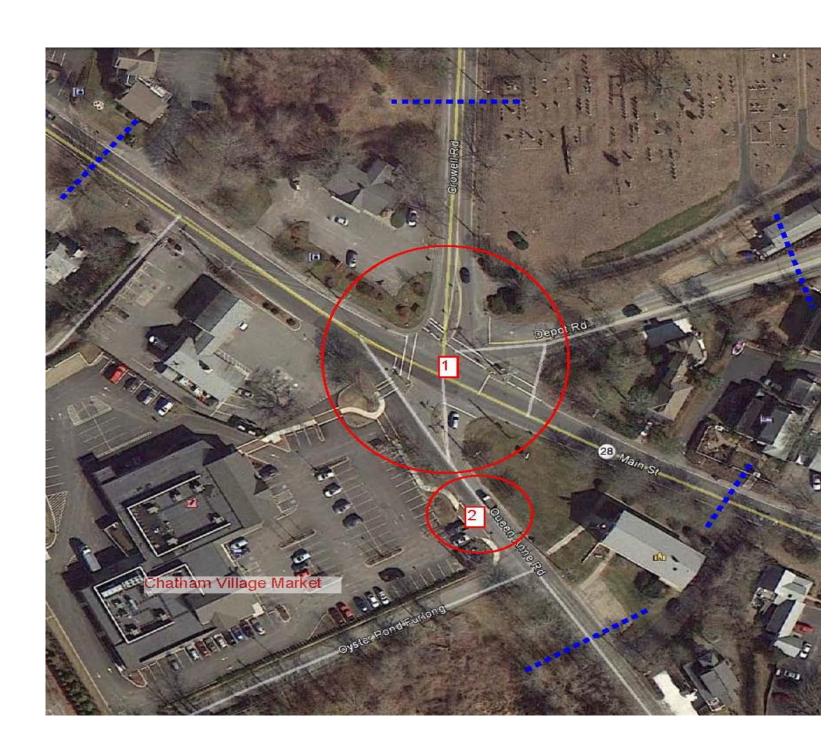
Survey Information

Turning Movement Counts (TMCs)

- Thursday, Jun. 19, 2014
- Saturday, Jun. 21, 2014
- Saturday, Aug. 23, 2014
- Saturday, Jul. 25, 2015

Automatic Traffic Recorder (ATRs)

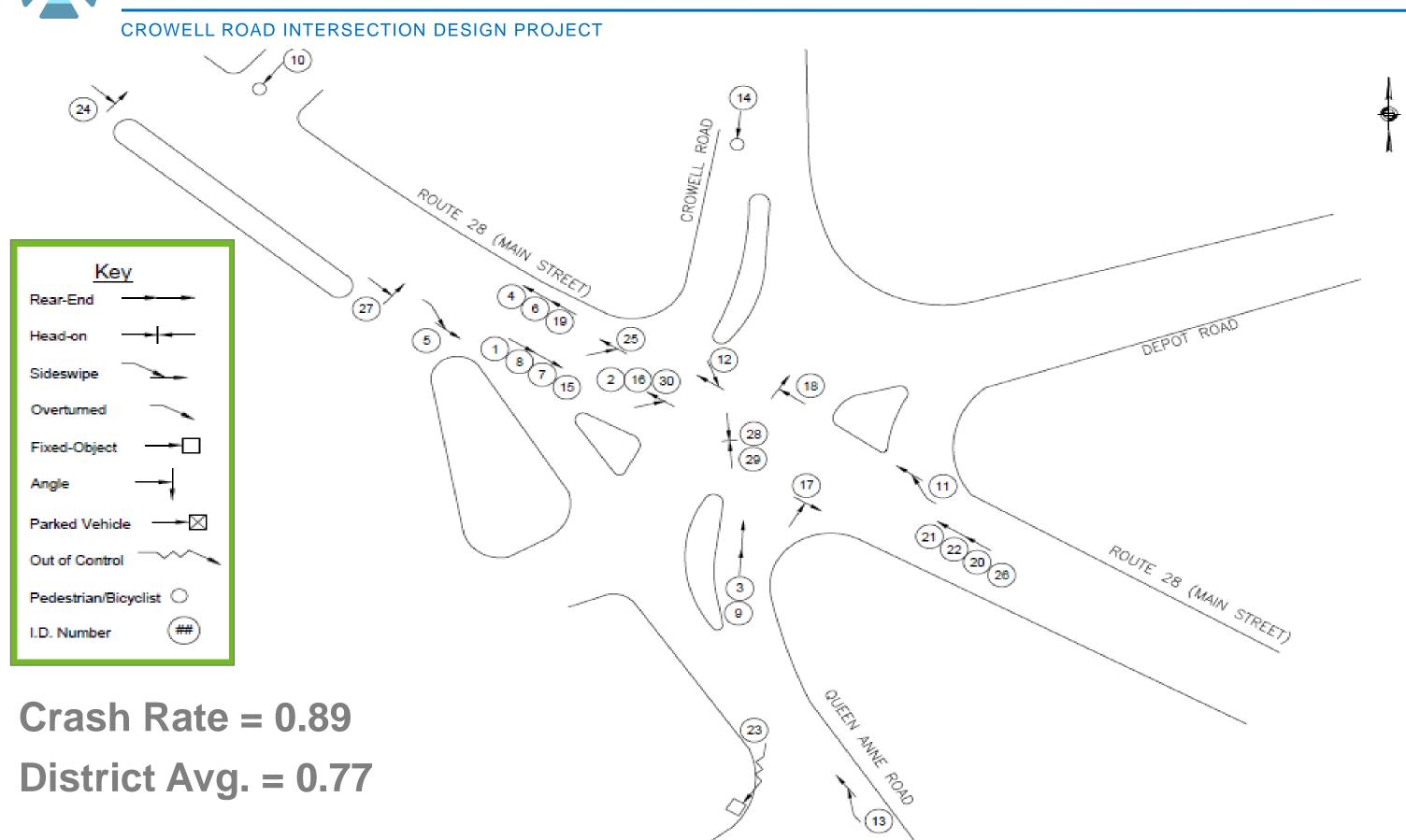
• 3-day: Jun. 19-21, 2014

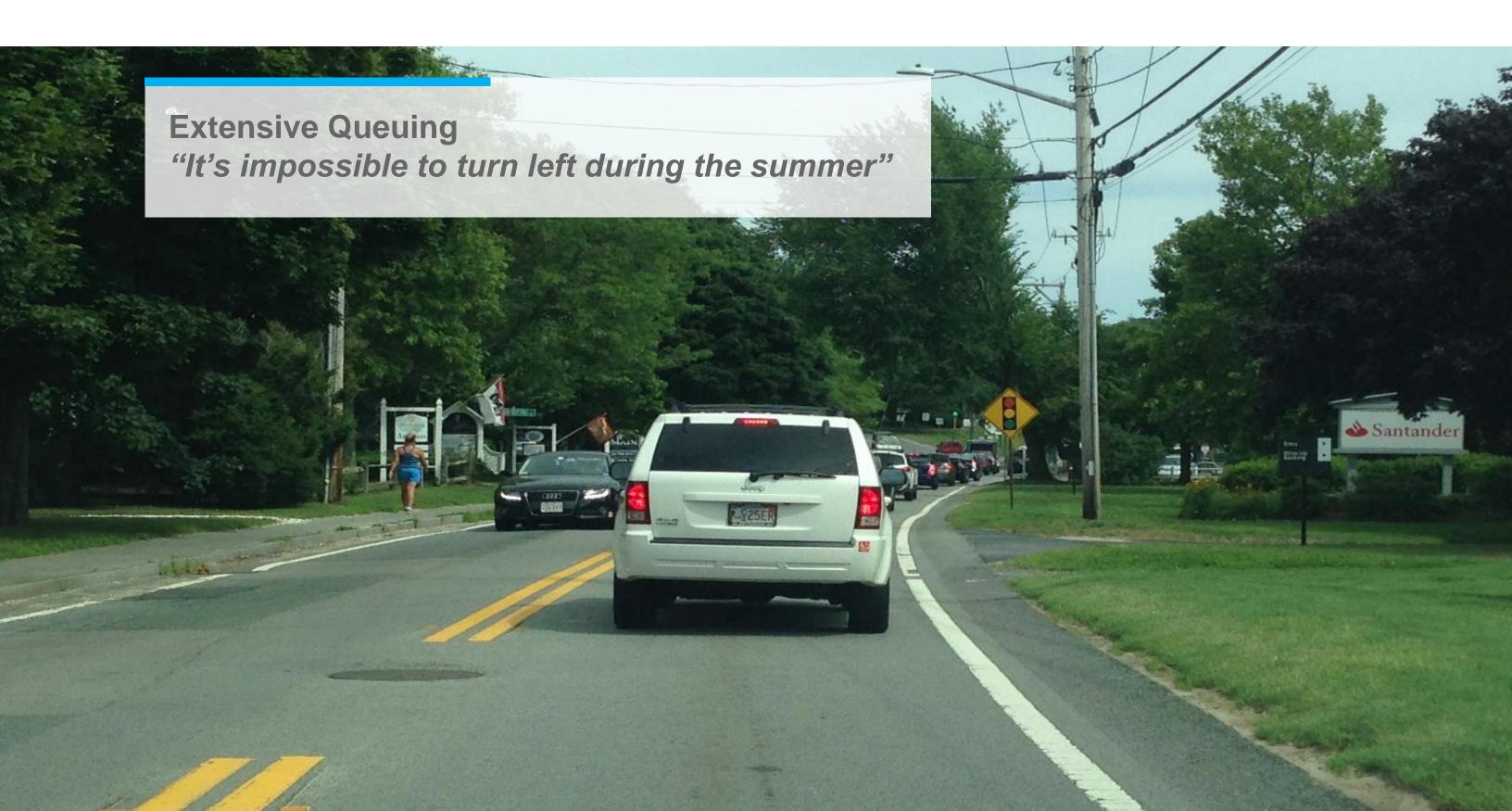




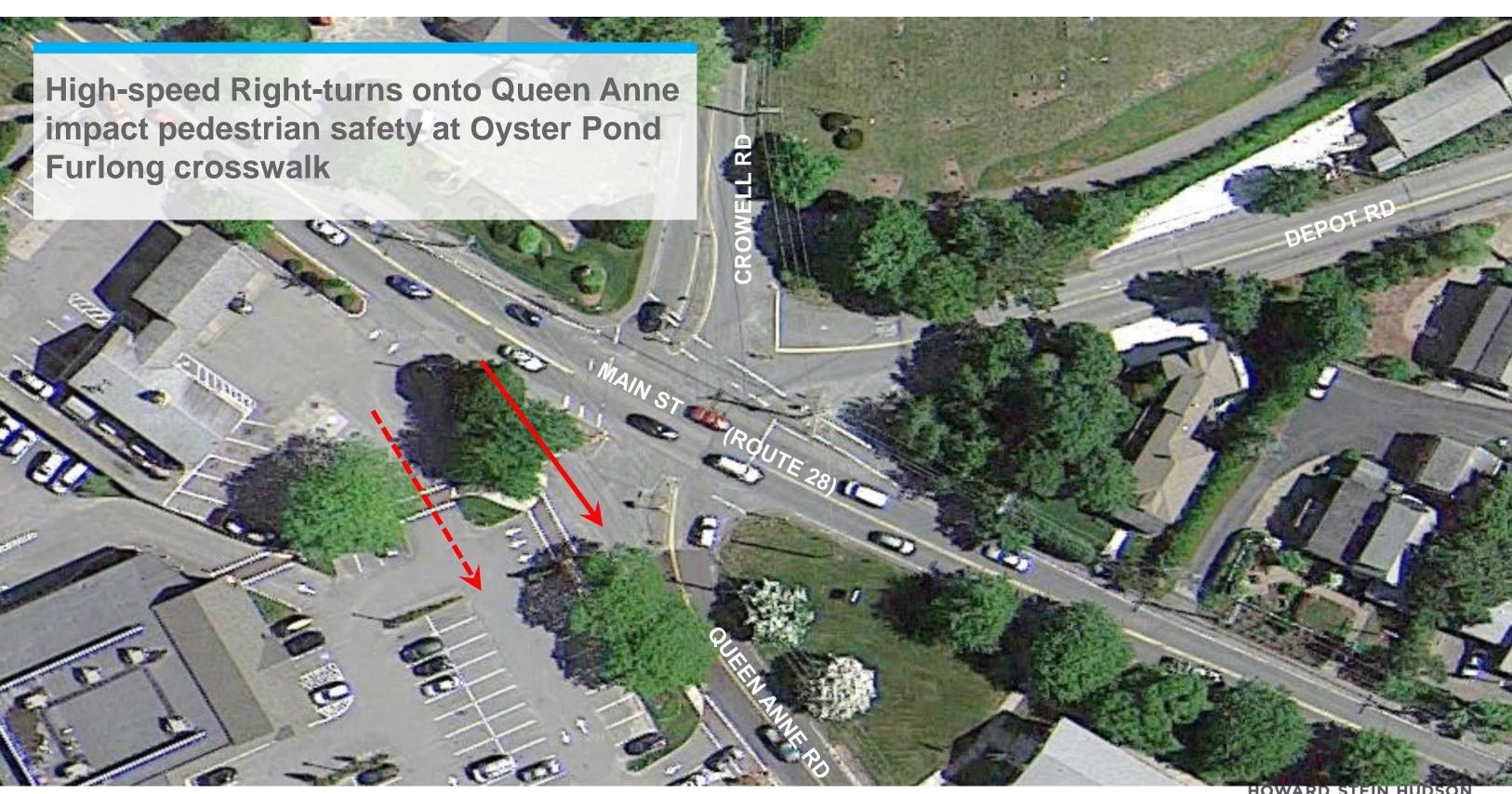


Collision Diagram (01/2009 - 08/2014)



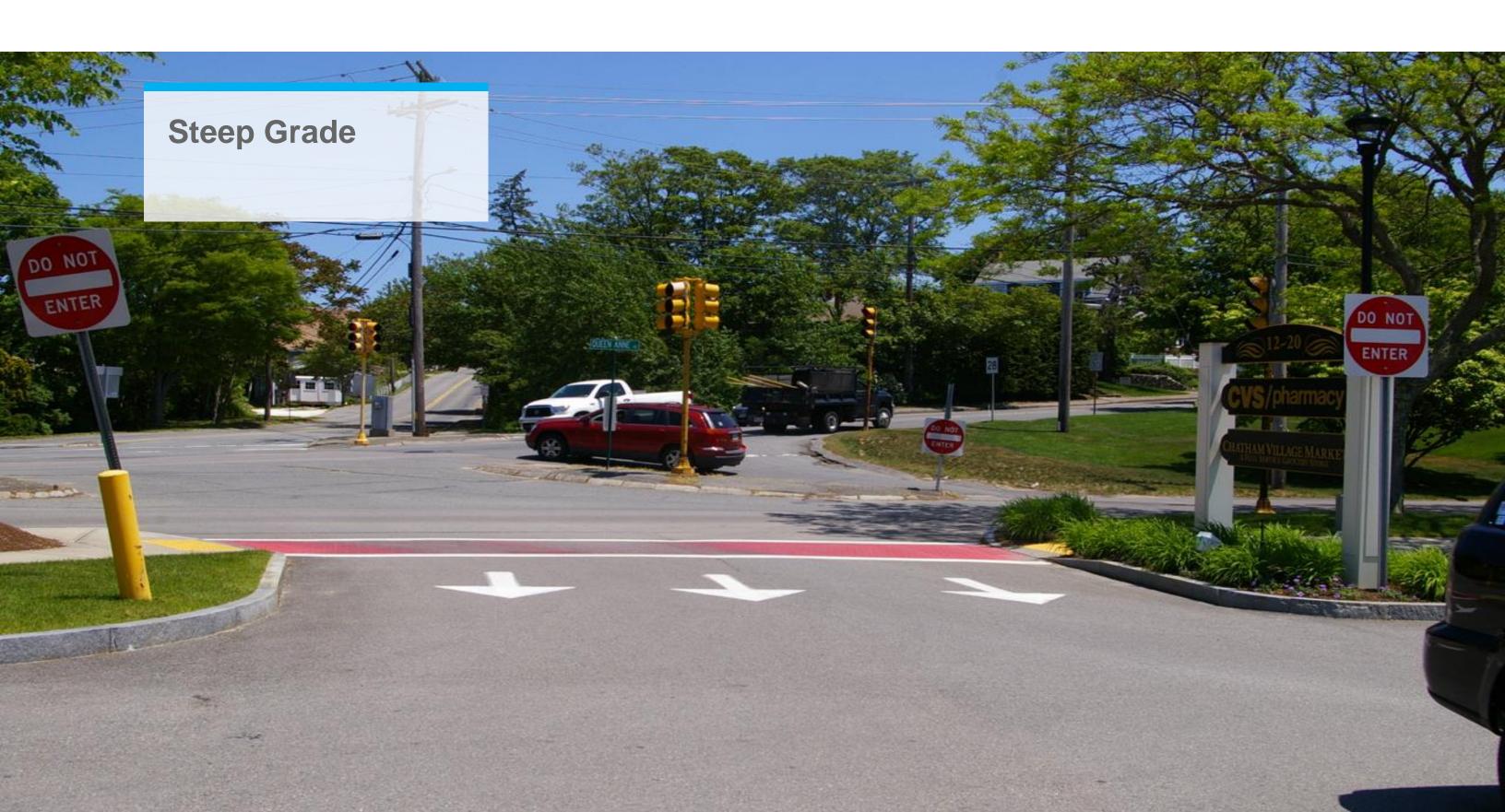




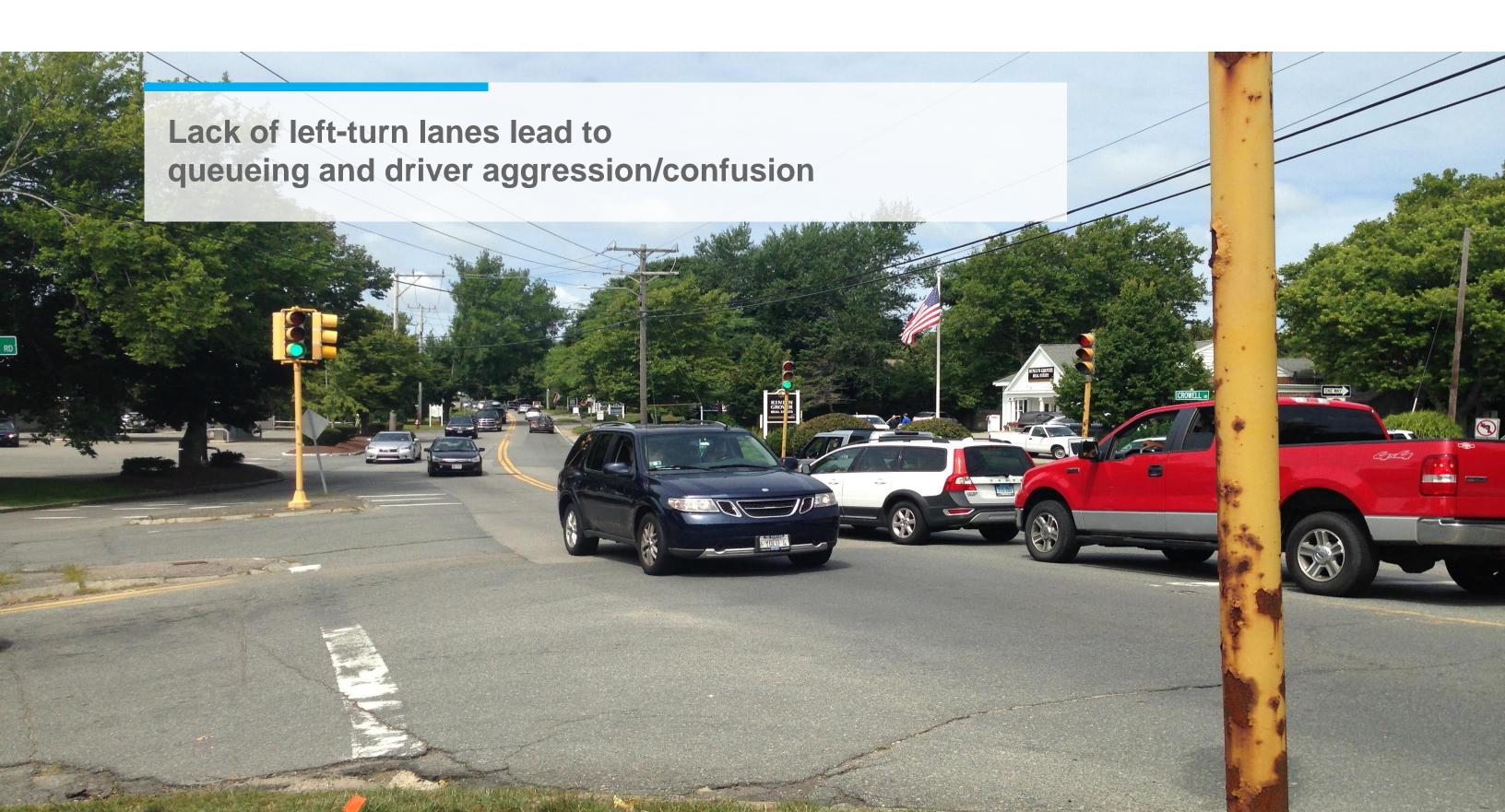


FIELD OBSERVATIONS

Chatham Village Market/CVS Looking North



FIELD OBSERVATIONS Main Street Looking West



FIELD OBSERVATIONS Main Street Looking West



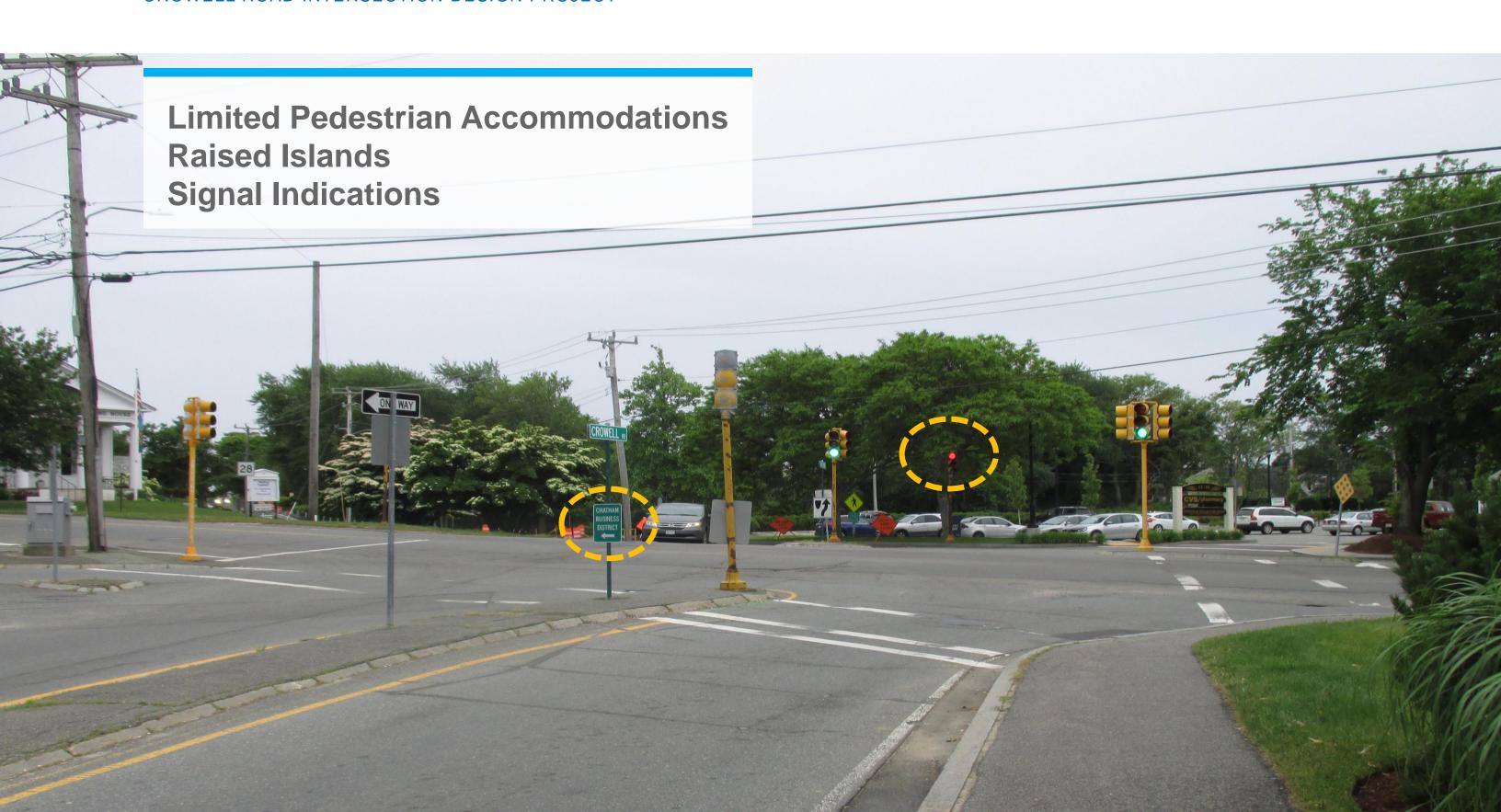




FIELD OBSERVATIONS Pedestrian Crossing at Main Street



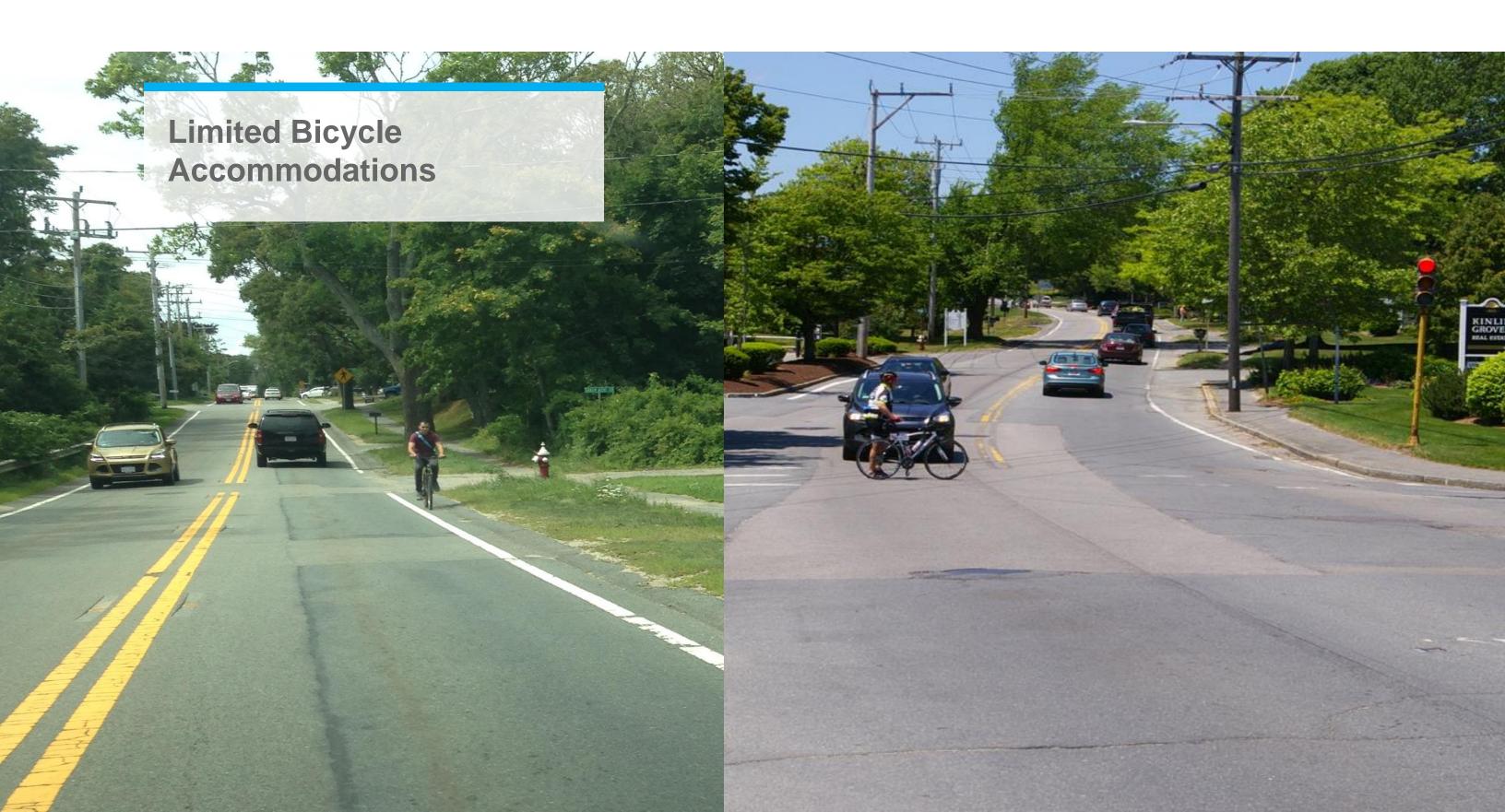
FIELD OBSERVATIONS Crowell Road Looking South











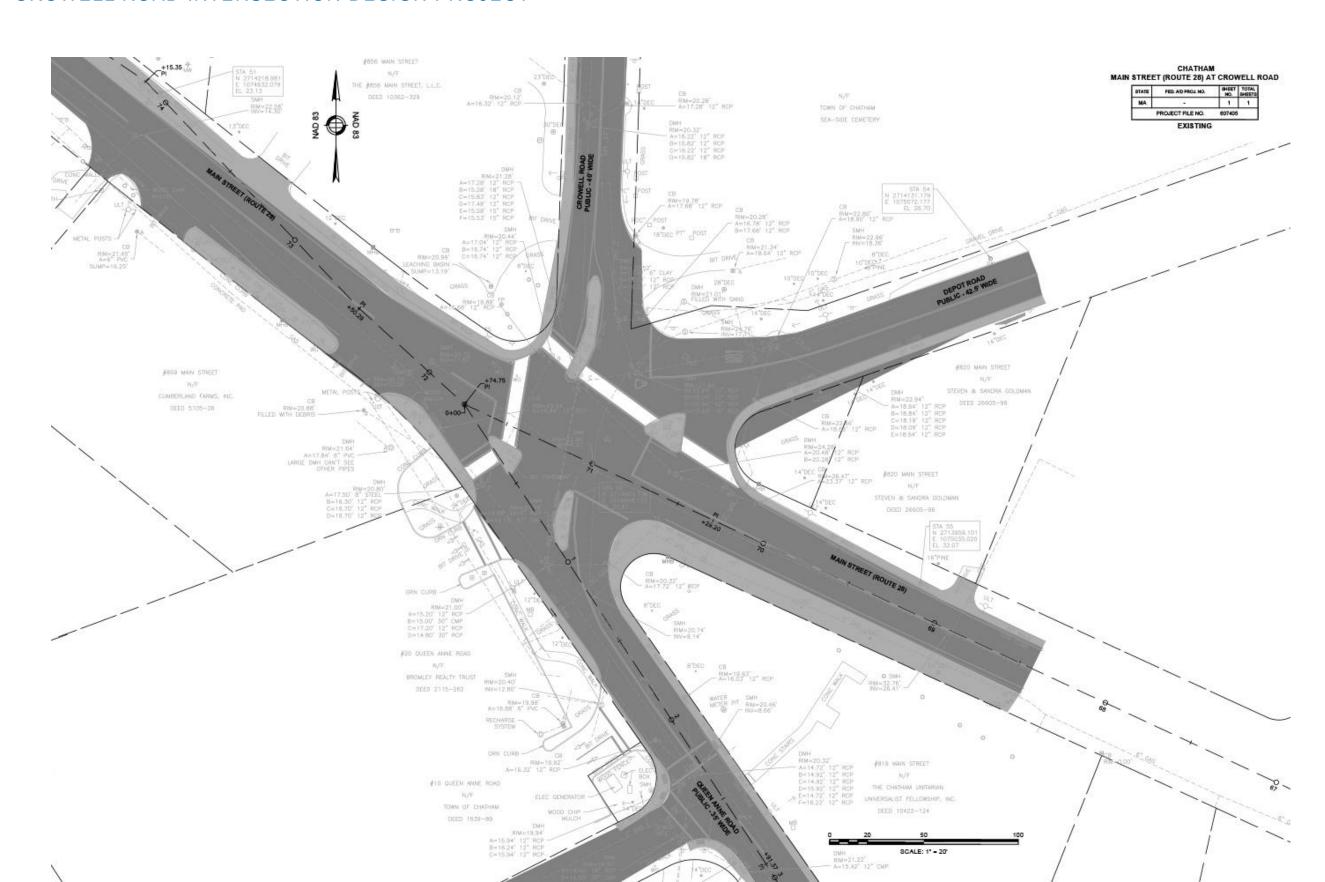


2017 Design Concepts

HSH Design started in 2014



Alternative 1 – No-Build



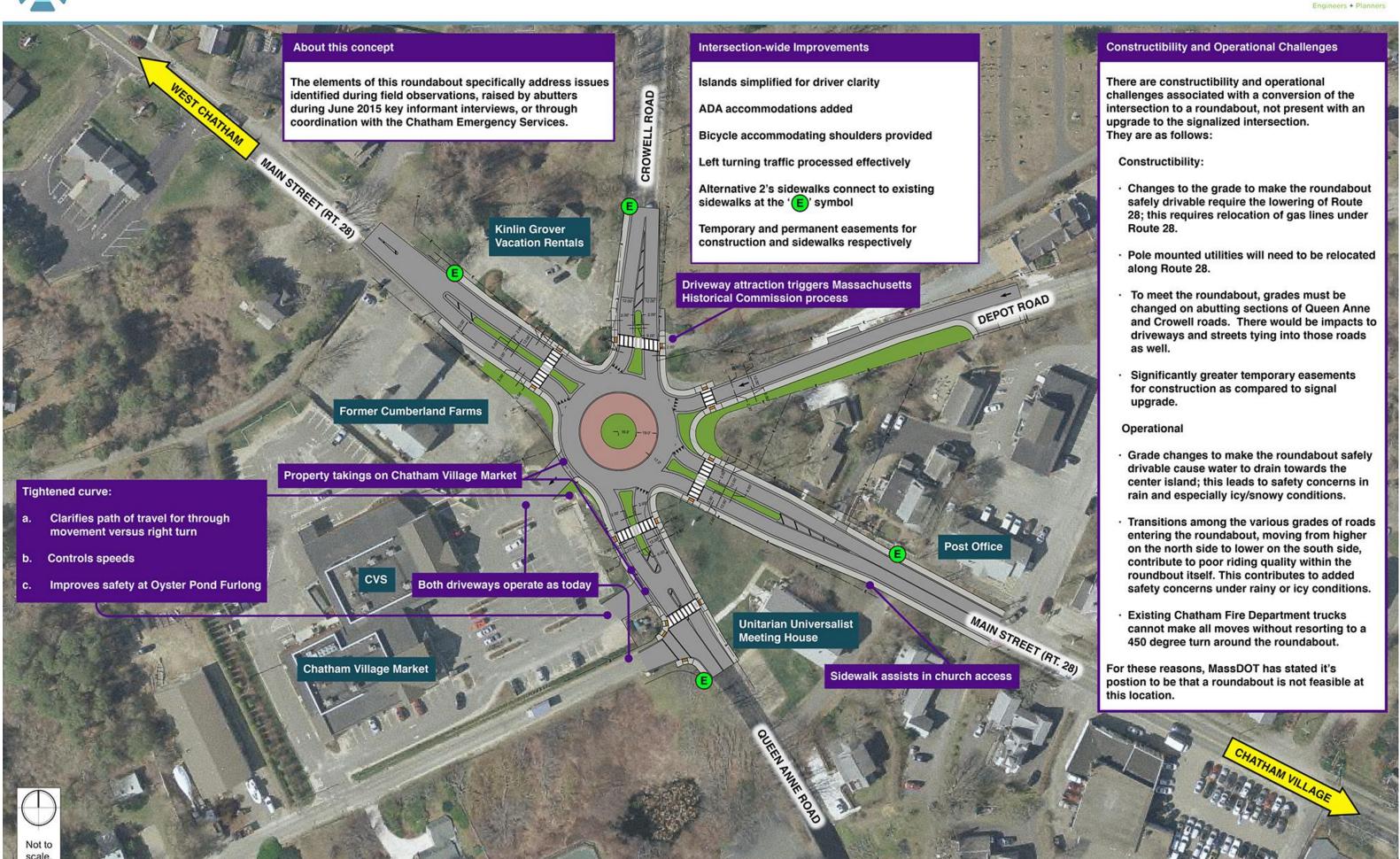
- The status quo
- No changes to:
 - Roadway geometry
 - Signal equipment
 - Pedestrian accommodations
- All documented concerns remain as today



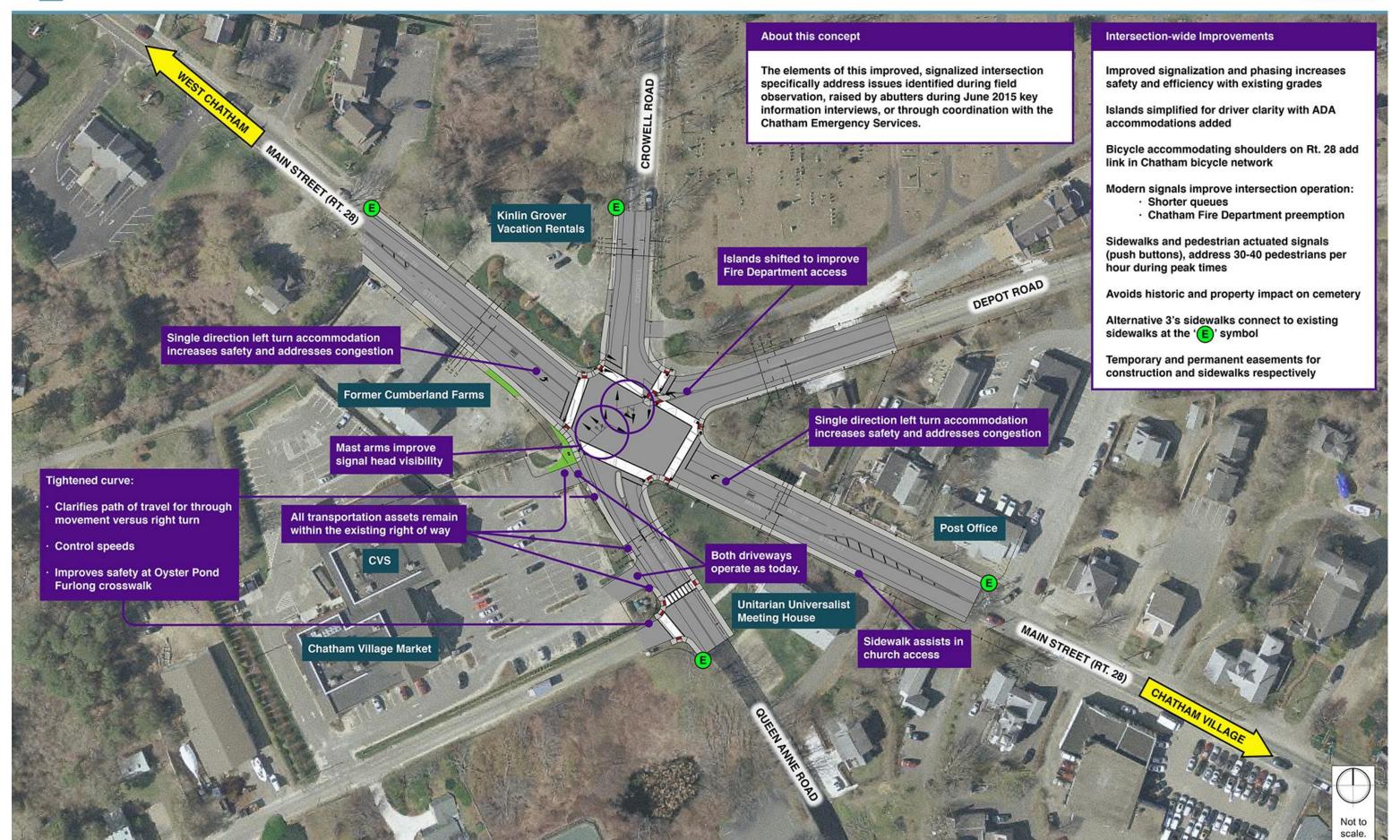


Alternative 2 - Roundabout











FAQ – Based on Comment Period Input #1

Question	Answer
How does the proposal improve queuing observed during the summer?	Dedicated left turning lanes and signal phases for both directions of Route 28 would cut down queues and improve safety.
How does the proposal improve pedestrian conditions?	Pedestrians will be provided with pedestrian signal heads triggered by push buttons. The intersection will be reconfigured with ADA compliant ramps to provide access to new crosswalks.
What happens to the right turn onto Queen Anne Road?	The current right turn onto Queen Anne Road from Route 28 eastbound requires only a gentle turn and little deceleration from motorists. The proposal tightens the intersection and formalizes this right turn to require drivers to reduce speed as they turn onto Queen Anne Road. This will boost pedestrian safety not only at the intersection, but at the crosswalk at Oyster Pond Furlong. Preliminary analysis does not show this as degrading intersection operations.
Why not a roundabout?	 The main issue with the roundabout is one of topography: Grading the topography at Route 28/Crowell Road to work with a roundabout would cause water to drain towards the center island causing safety concerns in rain and particularly icy conditions. Getting Route 28 to match into the roundabout would require lowering the gas line under the roadway increasing project cost and impact. Grades would need to be "chased" back onto roadways coming into the roundabout meaning changes to adjoining roads and driveways increasing project cost and impact. Even with these changes, grade changes would be present within the roundabout itself leading to poor ride quality and safety concerns in bad weather. Existing CFD equipment cannot make all moves. For these reasons, MassDOT does not recommend a roundabout at this location.





FAQ – Based on Comment Period Input #2

Question	Answer
What are the construction impacts of each option?	The intersection improvement has fewer construction impacts than the roundabout due to grading and utility issues
Which option processes traffic better?	At the conceptual level, both process traffic about the same with improvement over today's conditions.
What about access into the Chatham Village Market?	All driveways into the market remain as they are today under the proposed concept.
What about "sidewalks to nowhere?"	Of the sidewalks in the proposal, four provide connections to existing sidewalks. The rest are in keeping with MassDOT complete streets policies.
Why not a mini roundabout? FHWA guidance suggests one may be possible.	FHWA guidance notes that mini roundabouts are generally most effective when there are 4 or fewer approaches to the roundabout. Closely spaced approaches, such as Depot Road and Crowell Road are also considered problematic when paired with a mini roundabout. Likewise the very shallow or flush island associated with true mini roundabouts may tempt drivers to go straight over it in winter when traffic volumes fall leading to safety hazards.



- Document tonight's meeting
- November 2017 BOS meeting:
 - Discussion of public comments
 - Discussion of design refinements
 - Request BOS recommendation on concept for 25% design
- Winter 2017/2018 Submit 25% Design to MassDOT
- Spring 2018 MassDOT 25% Design Public Hearing
 - Opportunity for public comment
 - Opportunity to offer design refinements
 - Chance to ask questions
- Winter 2020/2021 Construction





Questions and Comments

CROWELL ROAD INTERSECTION DESIGN PROJECT

www.chathamcrowellroad.info

Contact us:

Nathaniel Cabral-Curtis, Public Involvement Specialist

Howard Stein Hudson

11 Beacon Street, Suite 1010

Boston, MA 02108

ncabral-curtis@hshassoc.com

(617) 482-7080 x236

