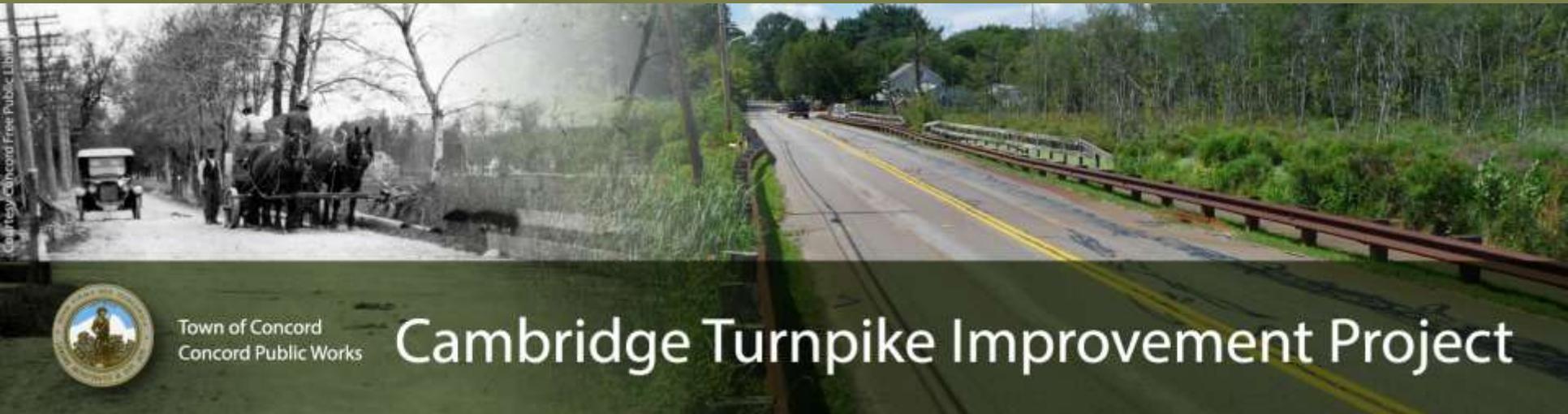


PUBLIC MEETING

OCTOBER 10, 2012



Town of Concord
Concord Public Works

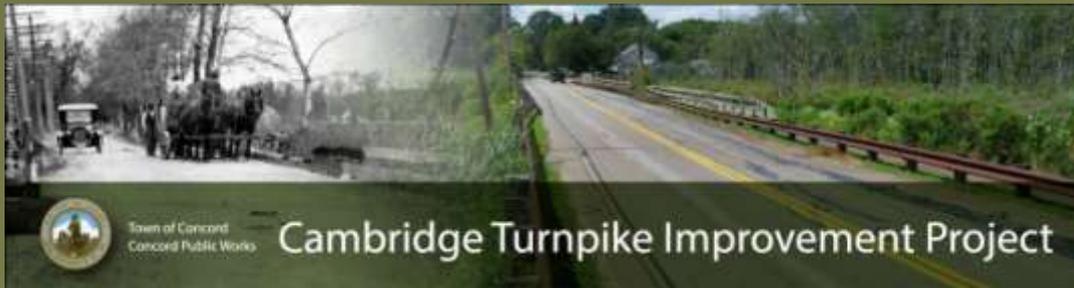
Cambridge Turnpike Improvement Project



THE Louis Berger Group, INC.

Regina Villa Associates

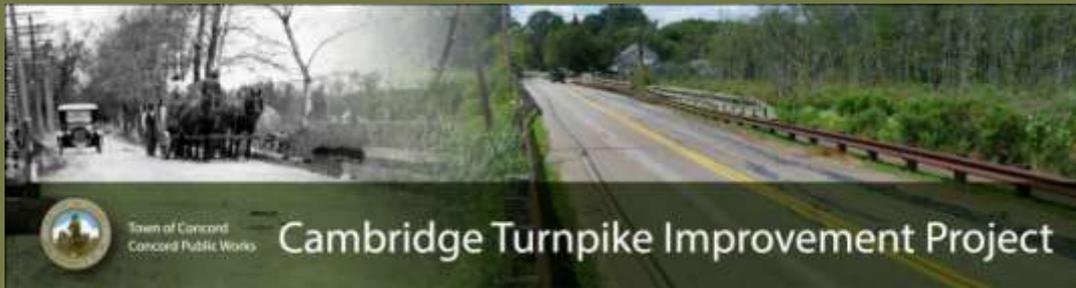




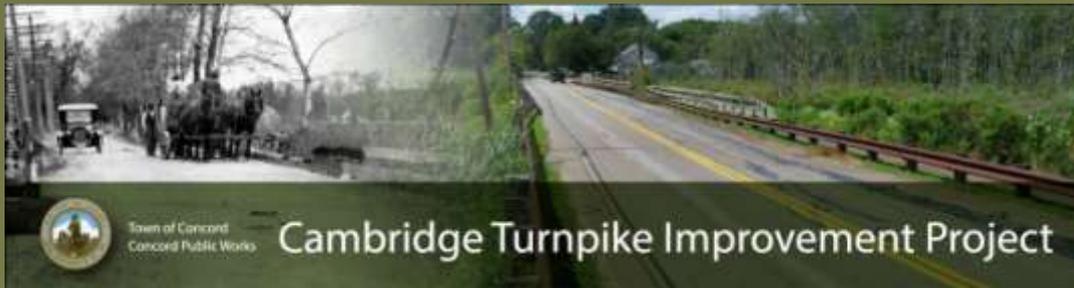
Town of Concord Public Works:
Richard K. Reine – Director, Public Works
Bill Renault, P.E. – Town Engineer



The Louis Berger Group Design Team:
James R. Capaldi, P.E. – Project Director
Michael Worhunsky, P.E. – Project Manager
Green International Affiliates, Inc.
GZA GeoEnvironmental, Inc.
Kyle Zick Landscape Architecture, Inc.
Kate Barrett - Regina Villa Associates (Public Outreach)



- Questionnaire
- Project Design Process
- Design Considerations



Community Questionnaire Goals

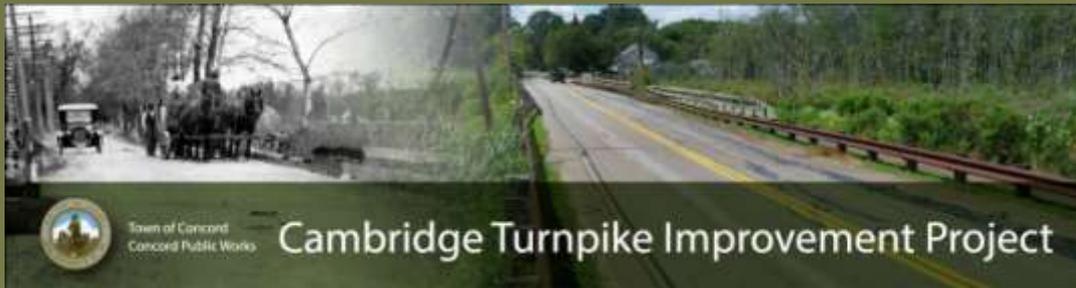
- Check in with community early in data collection phase
 - What do we know now?
 - What are we missing?
 - What should we keep in mind going forward?
- What does the community value and want prioritized
- Feedback informs design decisions

Cambridge Turnpike Improvement Project Phase 1: Community Data Gathering Questionnaire

The Town of Concord, Concord Public Works Department (CPW) and the Public Works Commission (PWC) have begun the Cambridge Turnpike Improvement Project (CTIP), which will resolve flooding on the roadway. The first phase of the project is to collect and evaluate existing technical data. The information will be used to identify and evaluate potential alternatives to resolve the issues. As part of the data collection phase, we want to be sure that we have identified issues the community is concerned about related to the roadway. We also want to be sure we have assigned the appropriate importance to the issues, so they can be addressed as the alternatives are developed and evaluated. The objective of this questionnaire is to gather community input on existing conditions. We ask that you please take a moment to answer the following questions and return the questionnaire in the enclosed self-addressed, stamped envelope. Your input is essential to the success of the project - thank you!

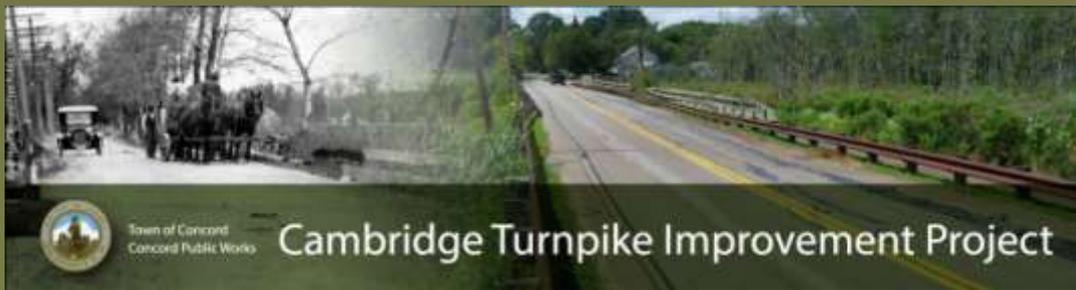
In your opinion, how important to you are the following issues facing the Cambridge Turnpike? Please rate the topics below in importance with 10 being extremely important and 1 being not at all important.

	1	2	3	4	5	6	7	8	9	10
Bicycle Accommodations	<input type="radio"/>									
Community Character	<input type="radio"/>									
Existing Roadway Width	<input type="radio"/>									
Flooding Impacts	<input type="radio"/>									
Historic Resources	<input type="radio"/>									
Pedestrian Accommodations	<input type="radio"/>									
Project Aesthetics (related to bridge, retaining walls, bus culvert and landscape design)	<input type="radio"/>									
Sustainable Infrastructure	<input type="radio"/>									
Traffic Congestion at Intersections (current)	<input type="radio"/>									
Traffic Safety and Speed	<input type="radio"/>									
Wetlands and Wildlife Protection	<input type="radio"/>									



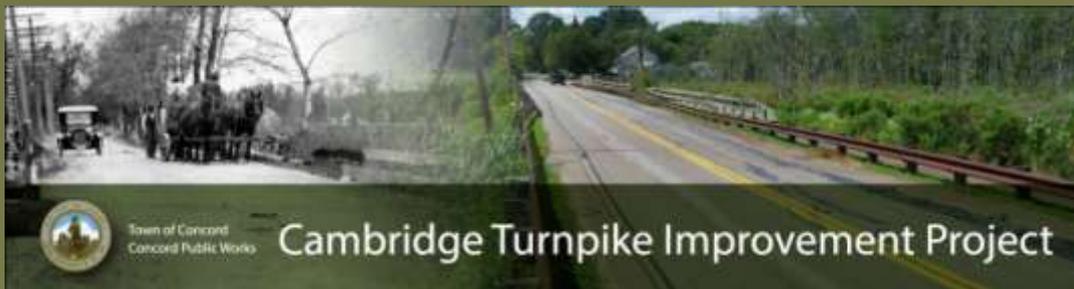
Methodology

- Online and print – opened August 17, 2012
 - Announced to News and Notices list
 - Mailed to 430 properties – SASE to increase response rate
 - Immediate abutters on Cambridge Turnpike and intersecting streets
 - Mill Brook watershed
 - Streets affected by traffic pattern changes
- Questionnaire provides insight to guide decisions
 - Not random sample scientific survey



Responses (as of September 24)

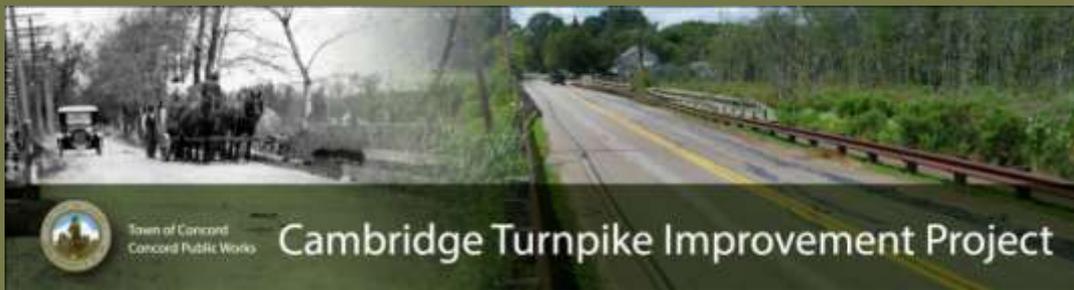
- 222 completed online and mailed
 - 132 mailed responses = 32% response rate
 - Very high compared to average rates
 - 60% of total responses
 - 90 online responses = approximately 9% response rate



Respondent Self-Identified Interest in Project

Response	Chart	Percentage	Count
Town resident		90%	185
Town employee		5%	10
Project abutter		19%	39
Commuter using Cambridge Turnpike		40%	82
Recreational (bike, walk, bird watch, etc.)		41%	85
Other (please explain)		11%	23
Total Responses			205

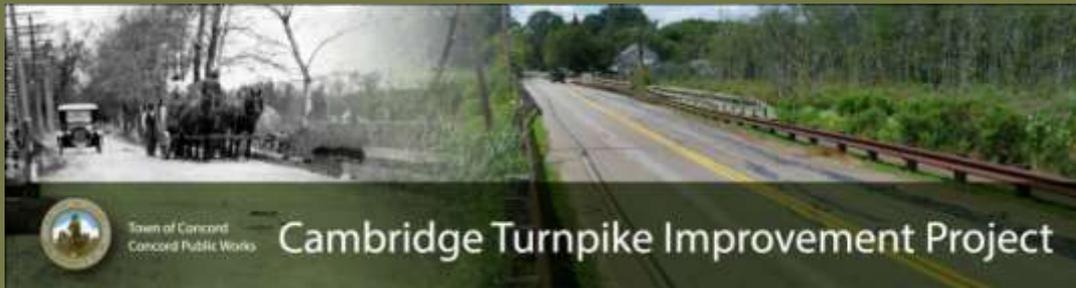
- 90% residents
- More than one category chosen
- Commuter and recreational users' response rate similar



Average Rating of Issues

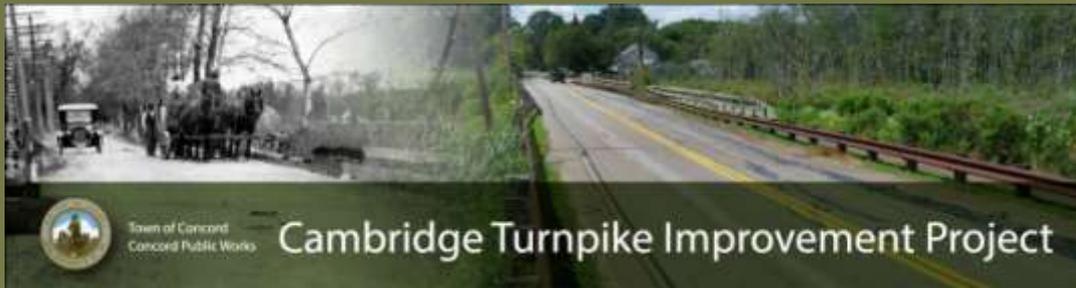
Issue	Number of Responses	Total Responses (222)	Mailed Responses (132)	Online Responses (90)
Bicycle Accommodations	216	6.16	6.17	6.05
Community Character	214	6.98	6.91	7.01
Existing Roadway Width	214	6.38	6.24	6.77
Flooding Impacts	215	8.72	8.71	8.47
Historic Resources	207	6.31	6.01	6.18
Pedestrian Accommodations	217	7.67	7.54	7.42
Project Aesthetics	215	7.34	7.38	7.17
Sustainable Infrastructure	214	7.64	7.57	7.89
Traffic Congestion at Intersections	214	8.62	8.61	8.62
Traffic Safety and Speed	219	8.55	8.44	8.32
Wetlands and Wildlife Protection	217	7.06	6.81	6.91

- Range of ratings for each issue
- Average rating for each issue above 6, indicating all have support
- Differences when comparing relative to each other
- Flooding rated highest (avg) among all respondents



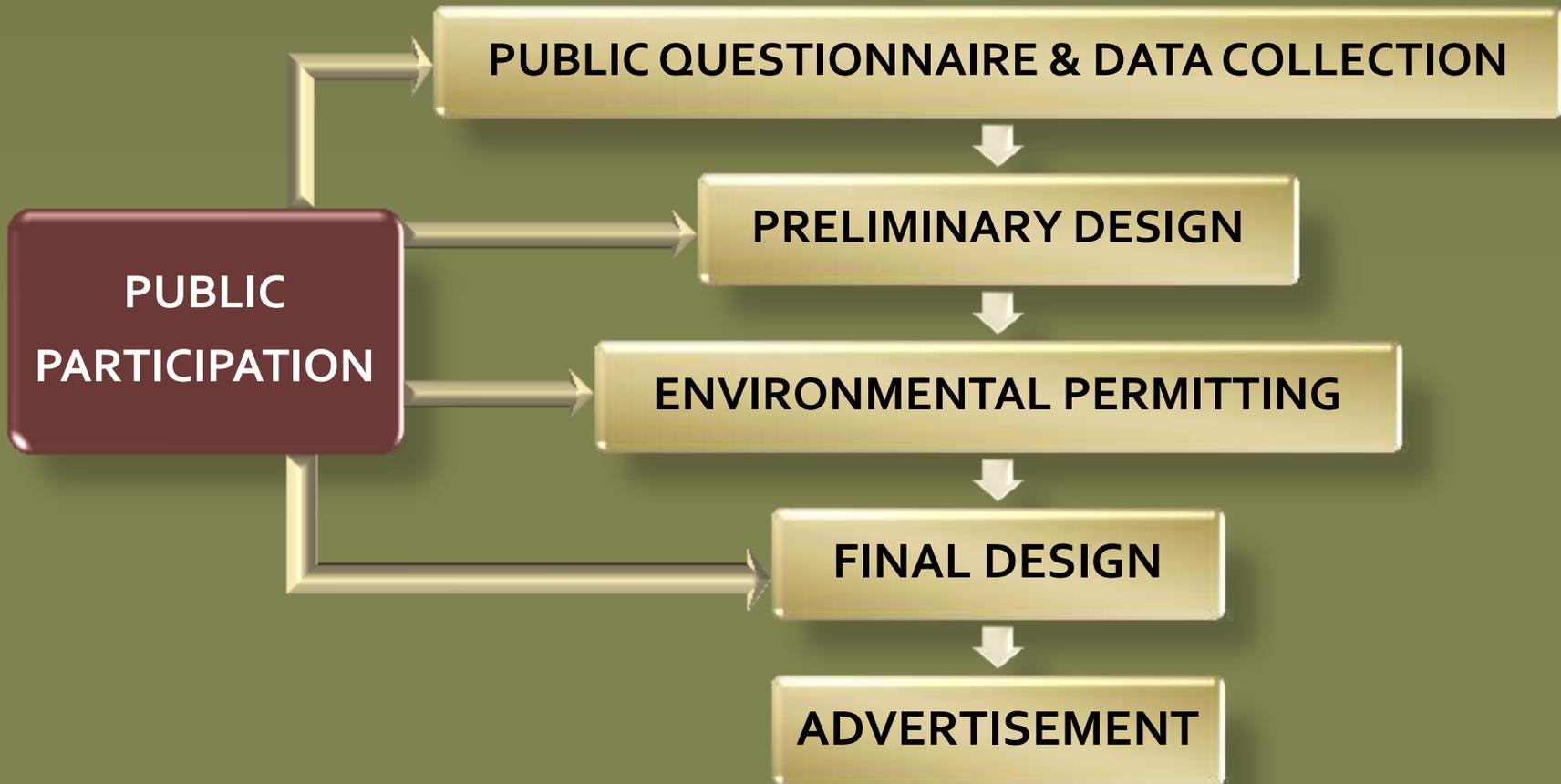
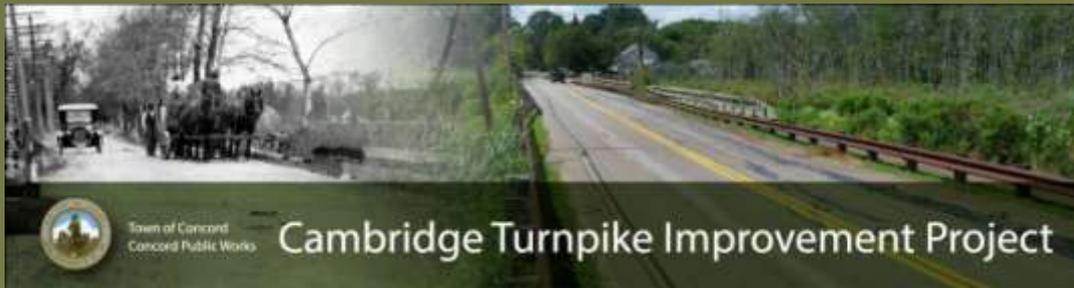
Issues Open-Ended Responses: Sample Excerpts

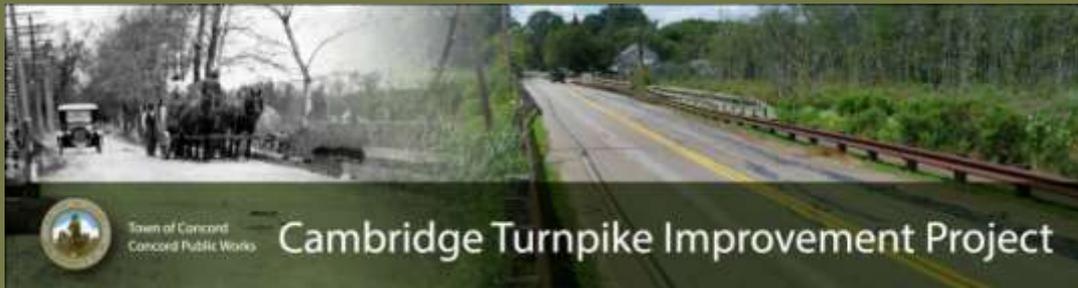
- *Need to provide ways for kids to walk and bike*
- *A community neighborhood with children and elderly; speed issue is critical to address*
- *Flooding has been an ongoing problem*
- *Current traffic congestion at intersections is 10+++ important*
- *Stop sign at Concord Museum is very dangerous*
- *Maintain current width; widening will encourage more speeding*
- *Would not make radical changes other than flood control and pedestrian safety (assume enough width for cyclists, but few are headed to Route 2)*
- *One of several "gateways" into Concord – aesthetically appropriate and commensurate with other significant roads*



Conclusions

- Valuable in testing assumptions and gauging public support for issues
- All issues had an average rating above 6
 - Community assigns value in addressing as part of the project, where feasible
- Highest level of support for alleviating flooding and improving traffic congestion and safety and speed
 - Highest ratings and elicited most of the more detailed comments
- Pedestrian accommodations rated slightly above average, but highly supported in additional comments
 - Personal experiences and observations about safety concerns
- Bicycle accommodations rated lowest for all respondents relative to other issues
- Important qualitative, values-based information to develop design concepts presented in next phase
- Report will be posted on the website



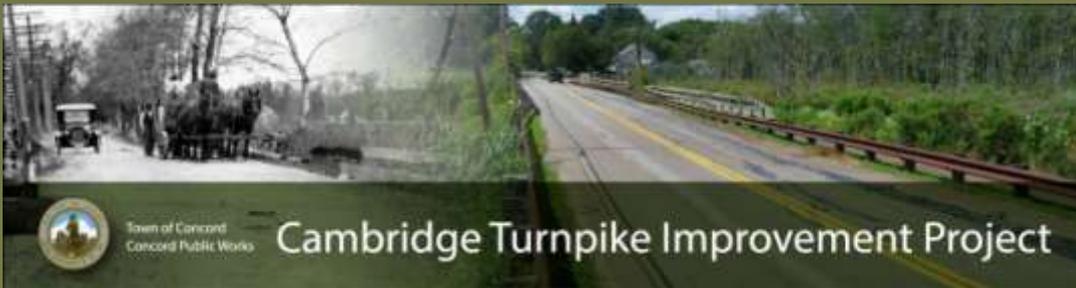


Intersection of Cambridge Turnpike & Lexington Road

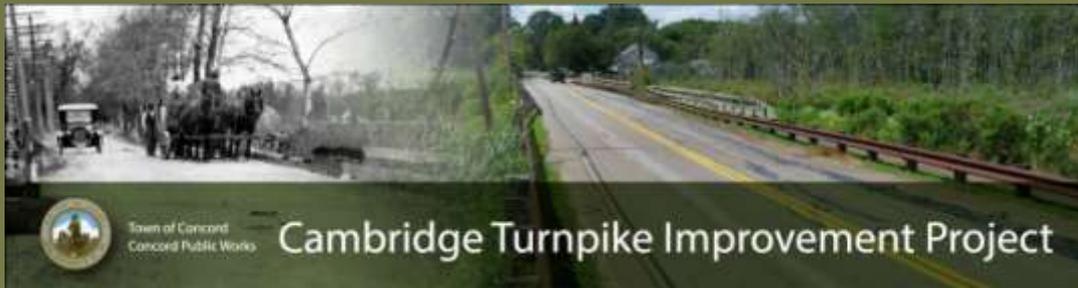


(Looking southeast toward Cambridge Turnpike approach)





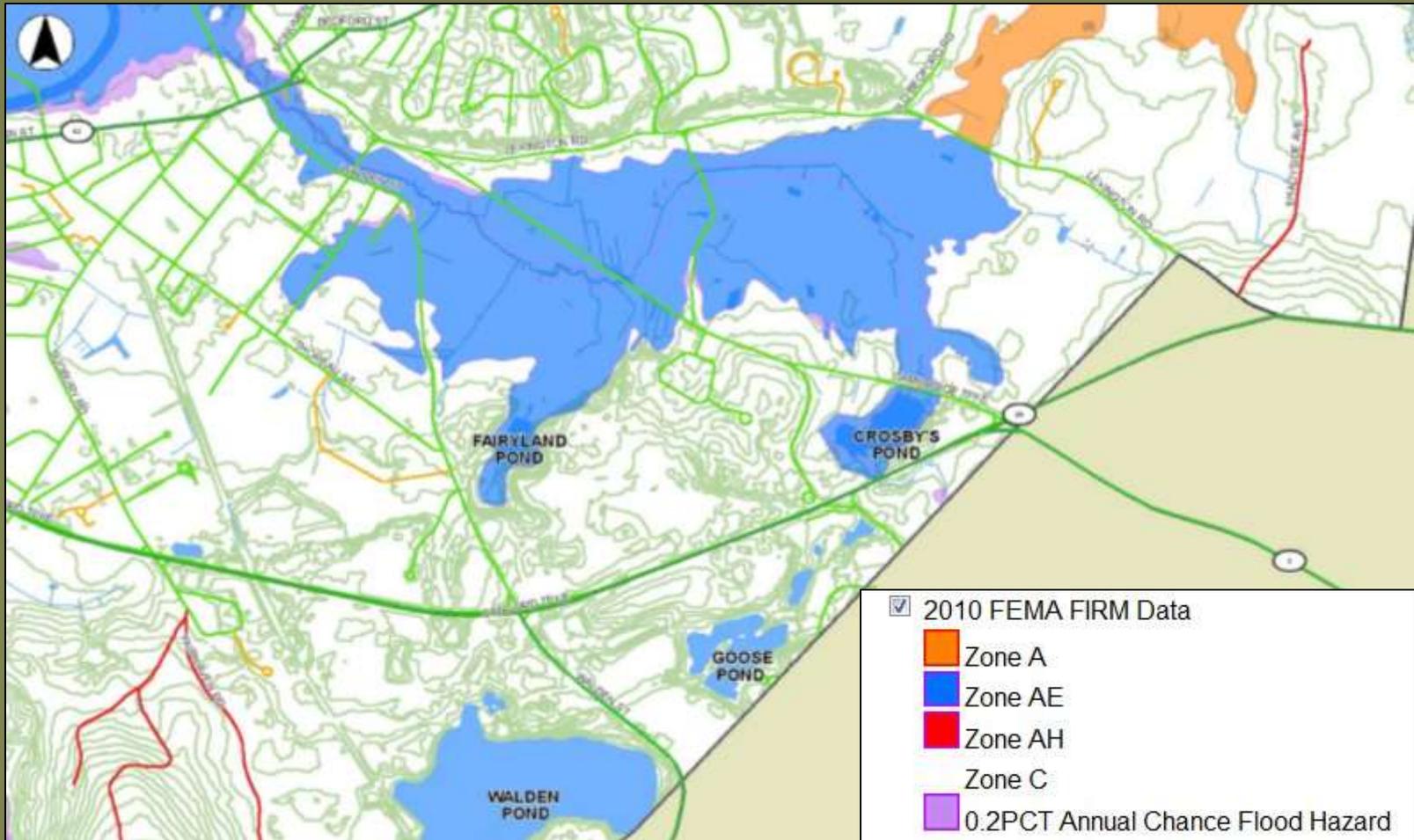
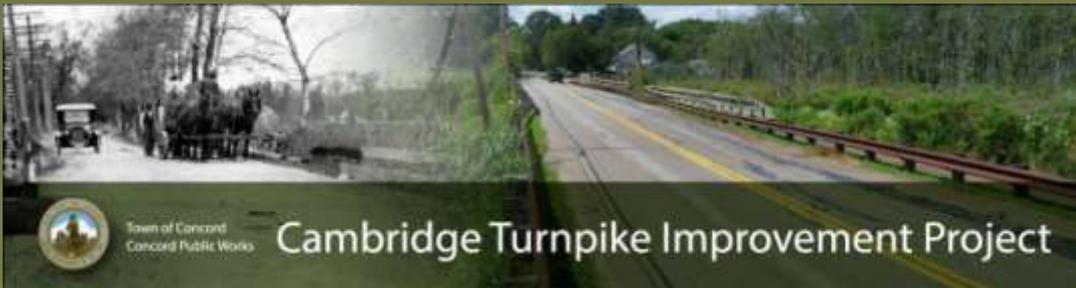
VEHICLE SPEED



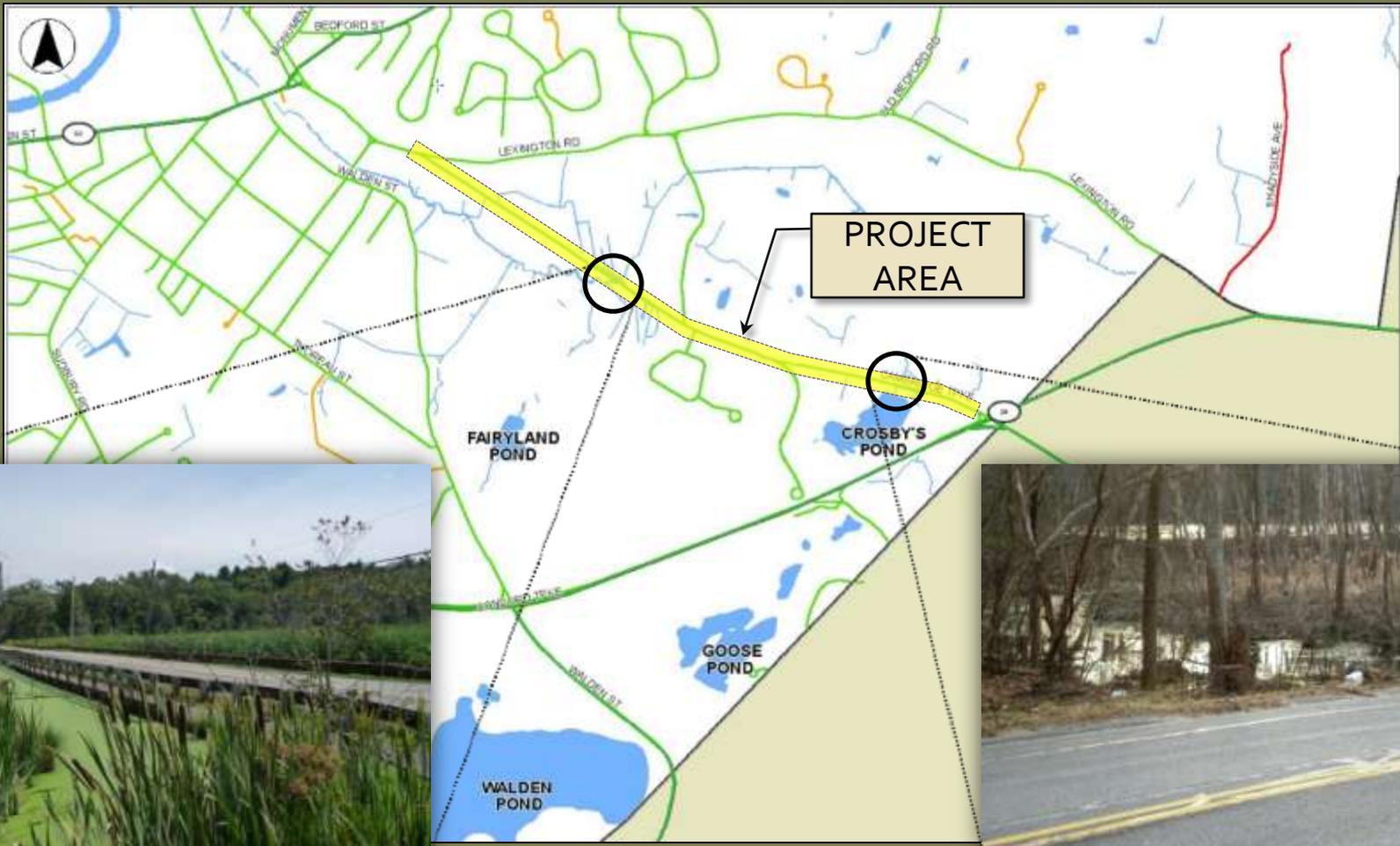
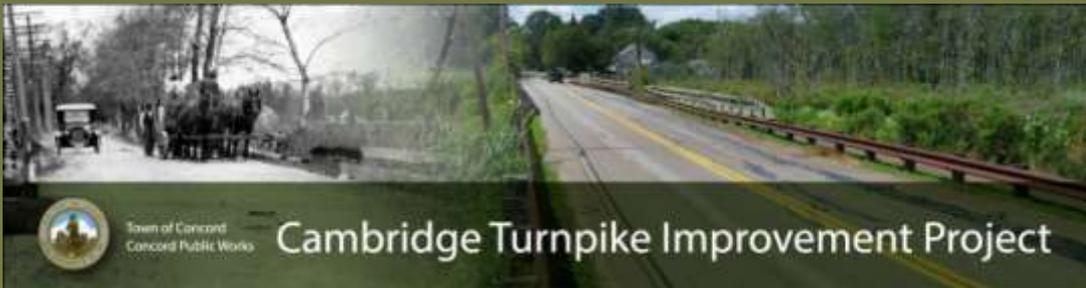
85th Percentile Speeds



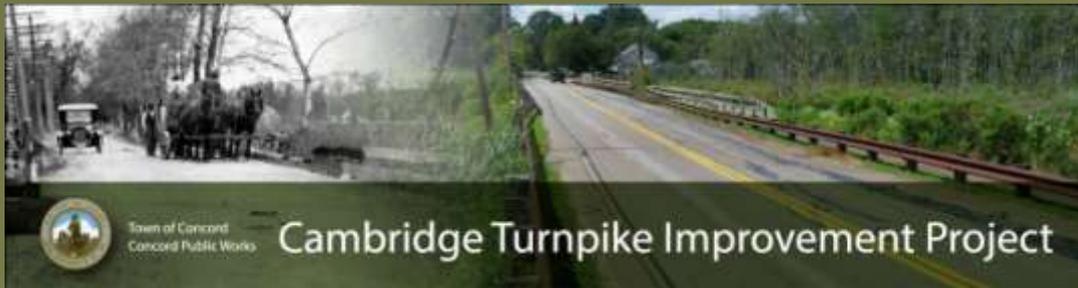
VEHICLE SPEED



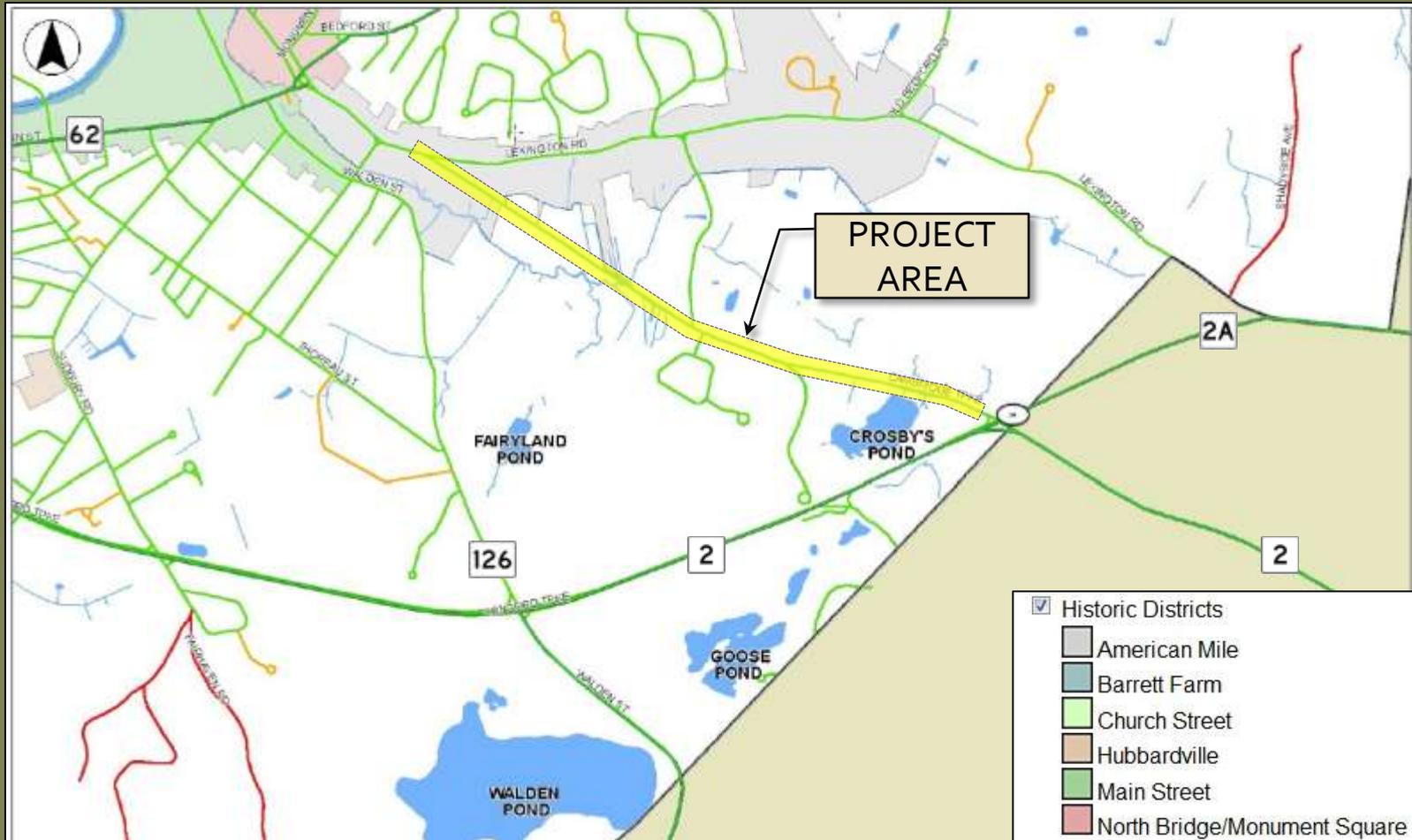
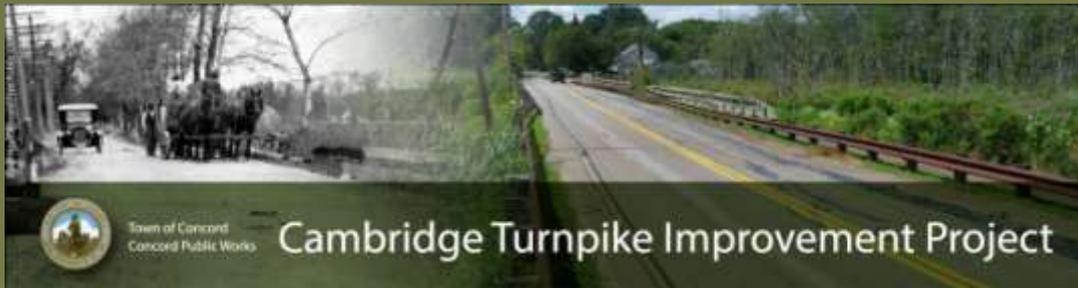
FLOODING



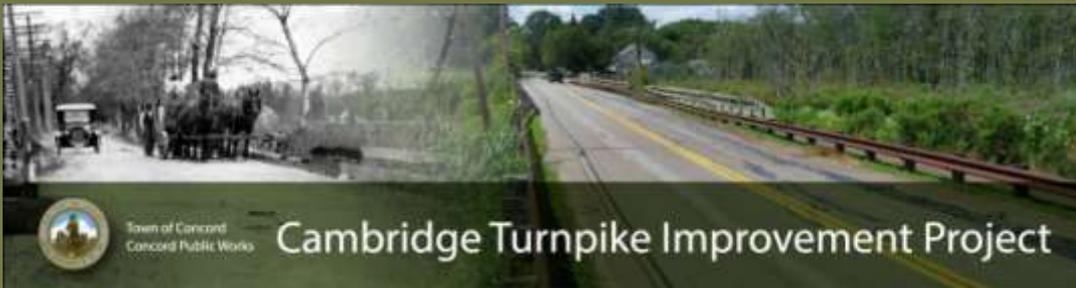
FLOODING



ROADWAY WIDTH

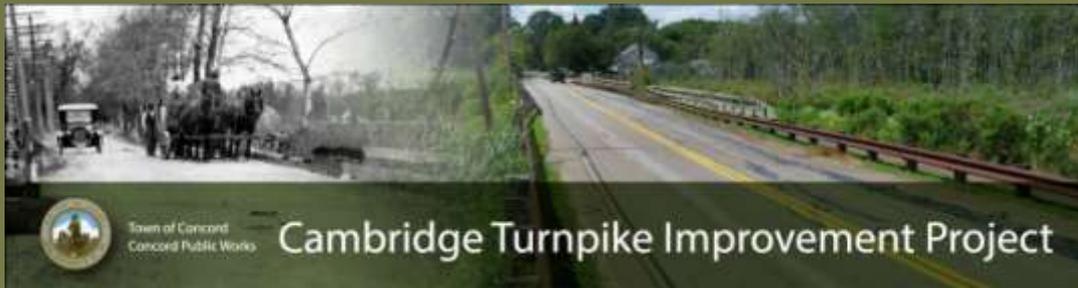


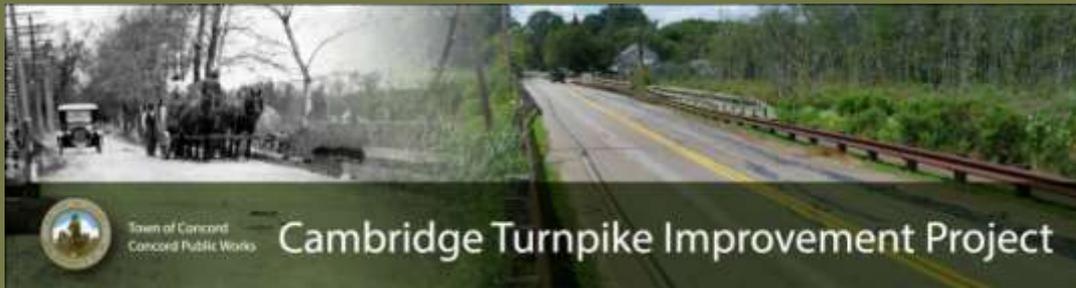
HISTORICAL PRESERVATION



Cambridge Turnpike
adjacent to the Ralph
Waldo Emerson House







Closing

- Sign-in Sheet
- Email Distribution List for Project Information

Questions / Comments?

