

# West Chatham

## Main Street Intersections and Corridor Project Town of Chatham, Massachusetts



## PROPOSED ALTERNATIVE DISCUSSION

June 30, 2010



# Agenda

- Introduction – 7:00 PM
- Project Overview – 7:10 PM
- Key Points from Past Meetings – 7:30 PM
- Proposed Corridor Plan – 7:50 PM
- Closing Remarks – 9:00 PM



# Project Team

- Town of Chatham
  - Terry Whalen – Town Planner
  - Jeff Colby – Dept of Public Works
  - Paul Lagg – GIS Coordinator
- FST Project Team
  - Doug Prentiss, P.E., PTOE



# Project Overview





# Project Objective

- To improve the conditions along Main Street in West Chatham for all users including vehicles, pedestrians, and bicyclists.
- Develop a unified vision for traffic improvements for the intersections and corridor and enhance safety.





# Past Meetings

- Public Discussions
  - Dec 17, 2009;
  - Feb. 4, 2010
- Inter-Department Meeting
  - March 12, 2010
- MassDOT Meeting
  - June 14, 2010



# Key Summary Points from Past Meetings

- Traffic signals or roundabouts at George Ryder Rd and/or Barn Hill Rd
- Provide bike lanes on Main Street
- Provide pedestrian-friendly corridor with ADA ramps, crosswalks, street lighting, and trash receptacles
- Provide safe access/egress curb cuts
- Provide right and left-turn lanes at Barn Hill Rd intersection



# Key Summary Points from Past Meetings (Cont.)

- Slow down traffic and enforce speed limit
- Manage left-turns to/from businesses
- Improve landscaping



# Slow Traffic Down

- What is design speed?
  - 20, 25, 30, 35, 40 MPH?
- Prima Facie Speed
  - Speed at which drivers feel comfortable driving
- Functional classification dictates speed



# Manage Left-Turns

- Safe Provisions Required
  - Exclusive turn lanes
  - Order of flow
- Access Management
  - Curb cut consolidation
  - Right in/Right Out

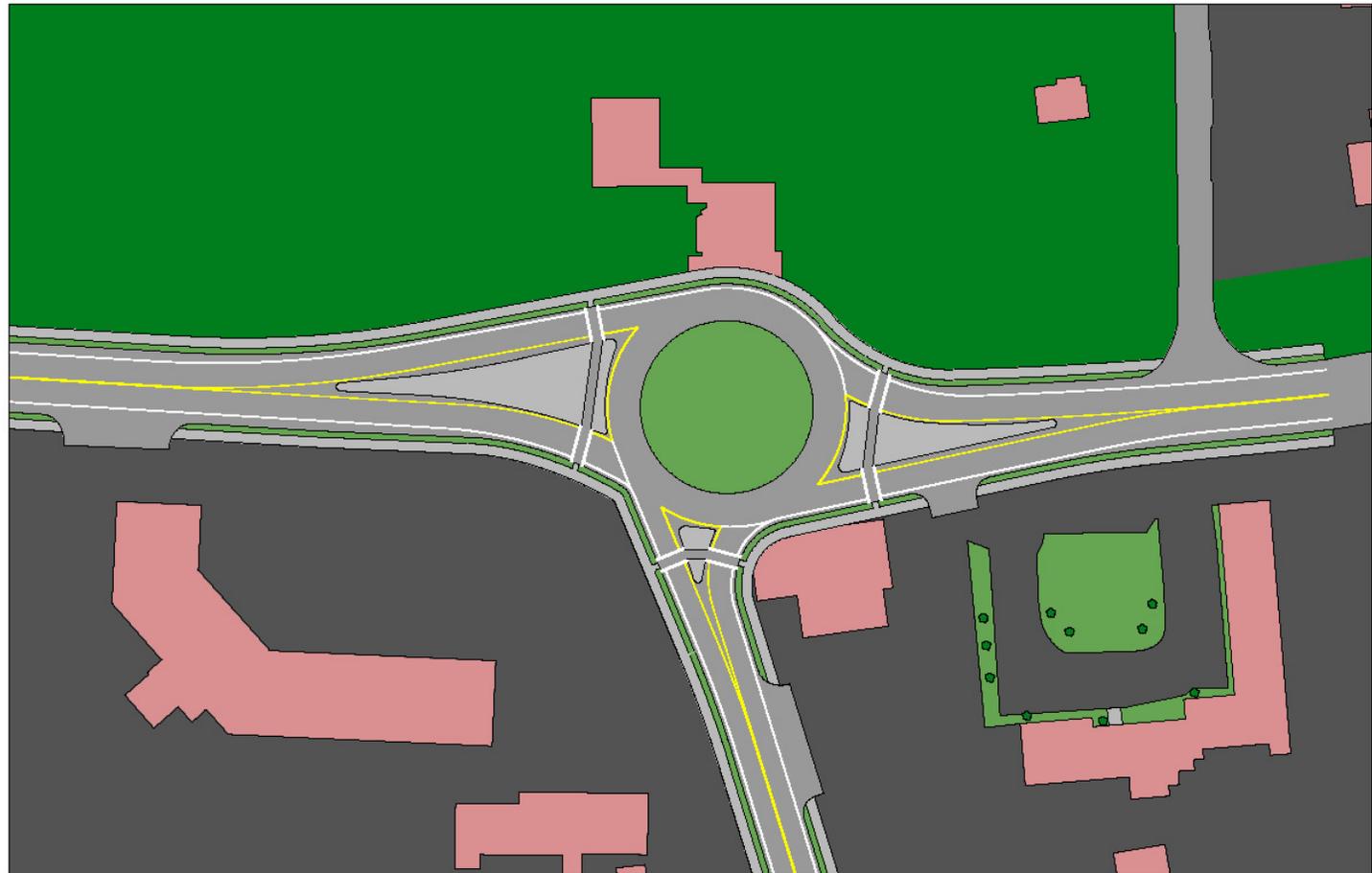


# Improve Landscaping

- MassDOT opposed to grass strip along sidewalks due to maintenance
- Possible solution – Town seek alternate funding

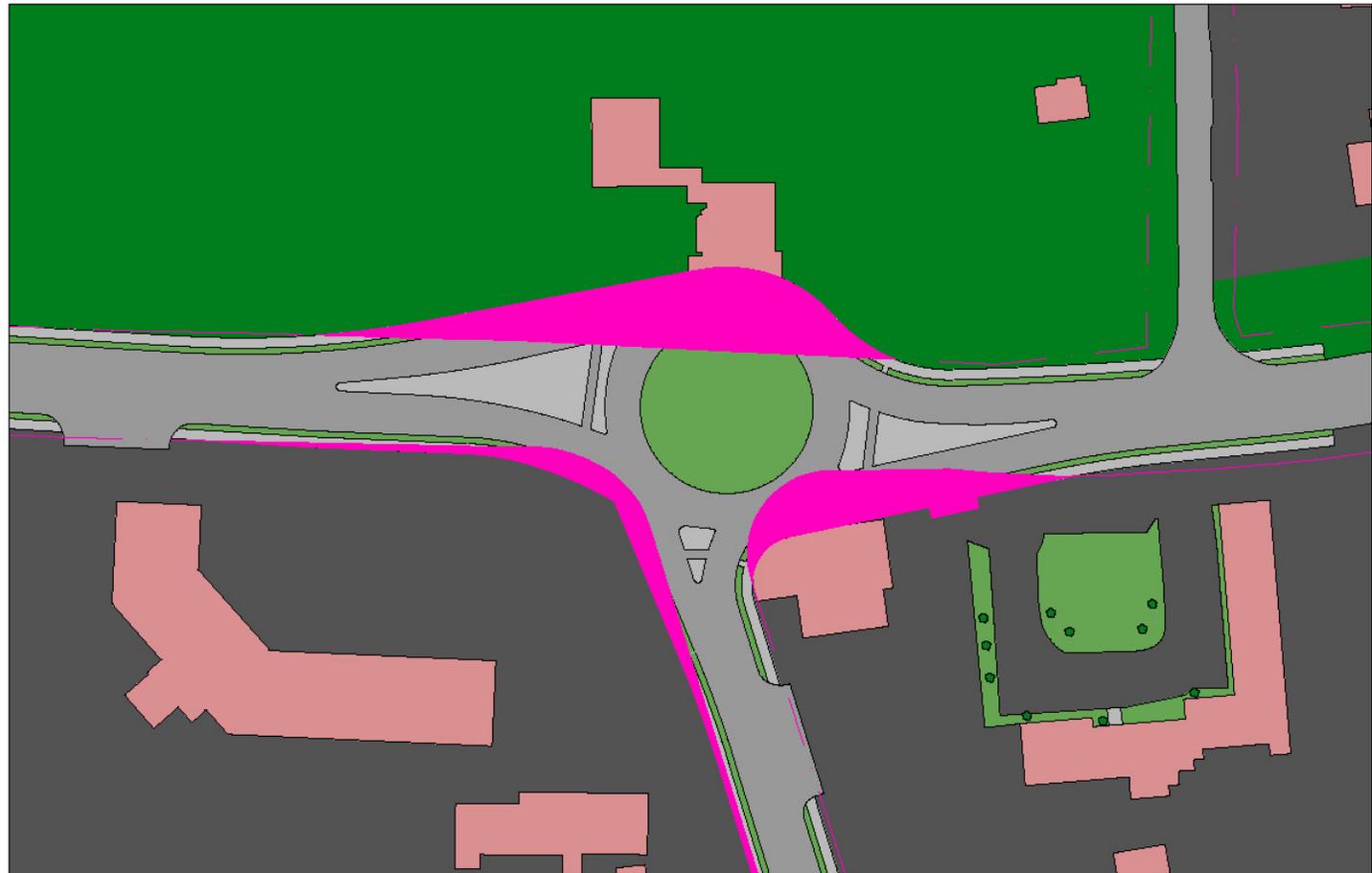


# Issues with Barn Hill Road/Main Street Roundabout – Scheme 1





# Issues with Barn Hill Road/Main Street Roundabout – Scheme 1 (with encroachments)





# Issues with Barn Hill Road/Main Street Roundabout – Scheme 2



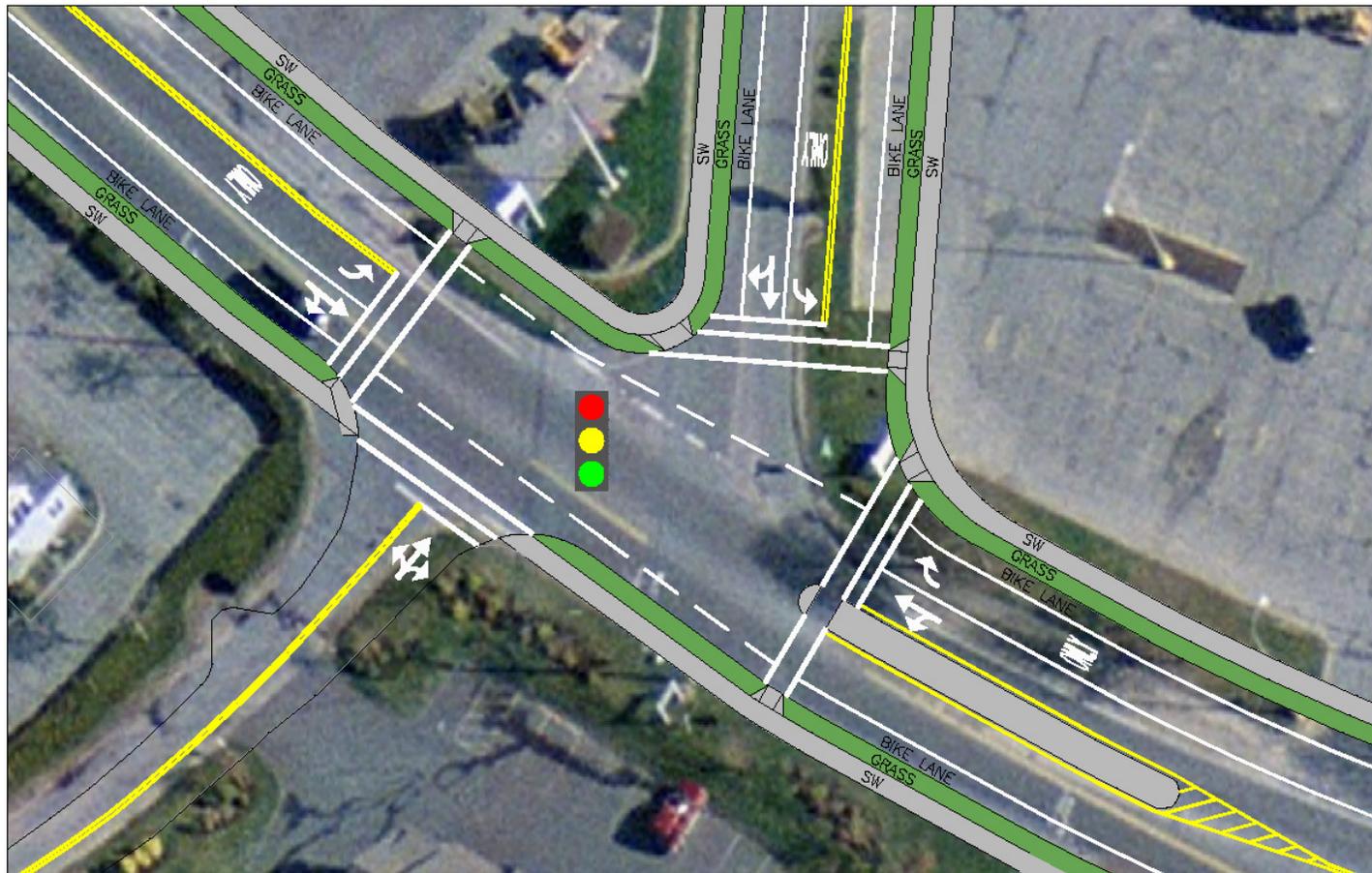


# Issues with Barn Hill Road/Main Street Roundabout – Scheme 2 (with encroachments)



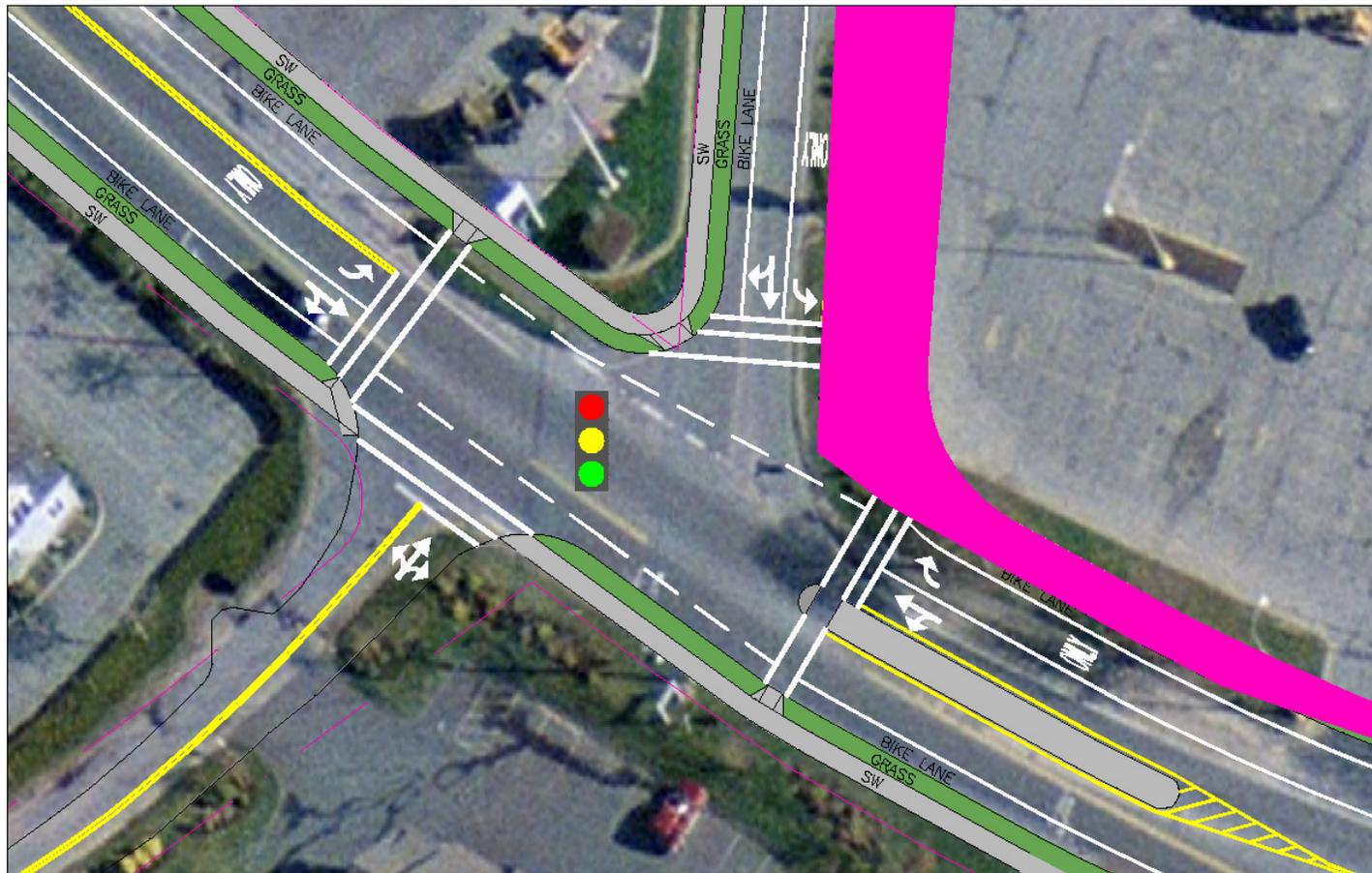


# Issues with George Ryder Rd/Main Street Signal





# Issues with George Ryder Rd/ Main Street Signal (with encroachments)





# Proposed Corridor Plan





# Proposed Corridor Plan (Painted Islands)





# Proposed Corridor Plan (Raised Islands)





# Key Points of Corridor Plan

- Roundabout at George Ryder Rd
- Traffic Signal at Barn Hill Road
- Shared Use path on north side of Main Street
- Sidewalk on south side of Main Street
- Bike path connection to Old Colony Rail Trail

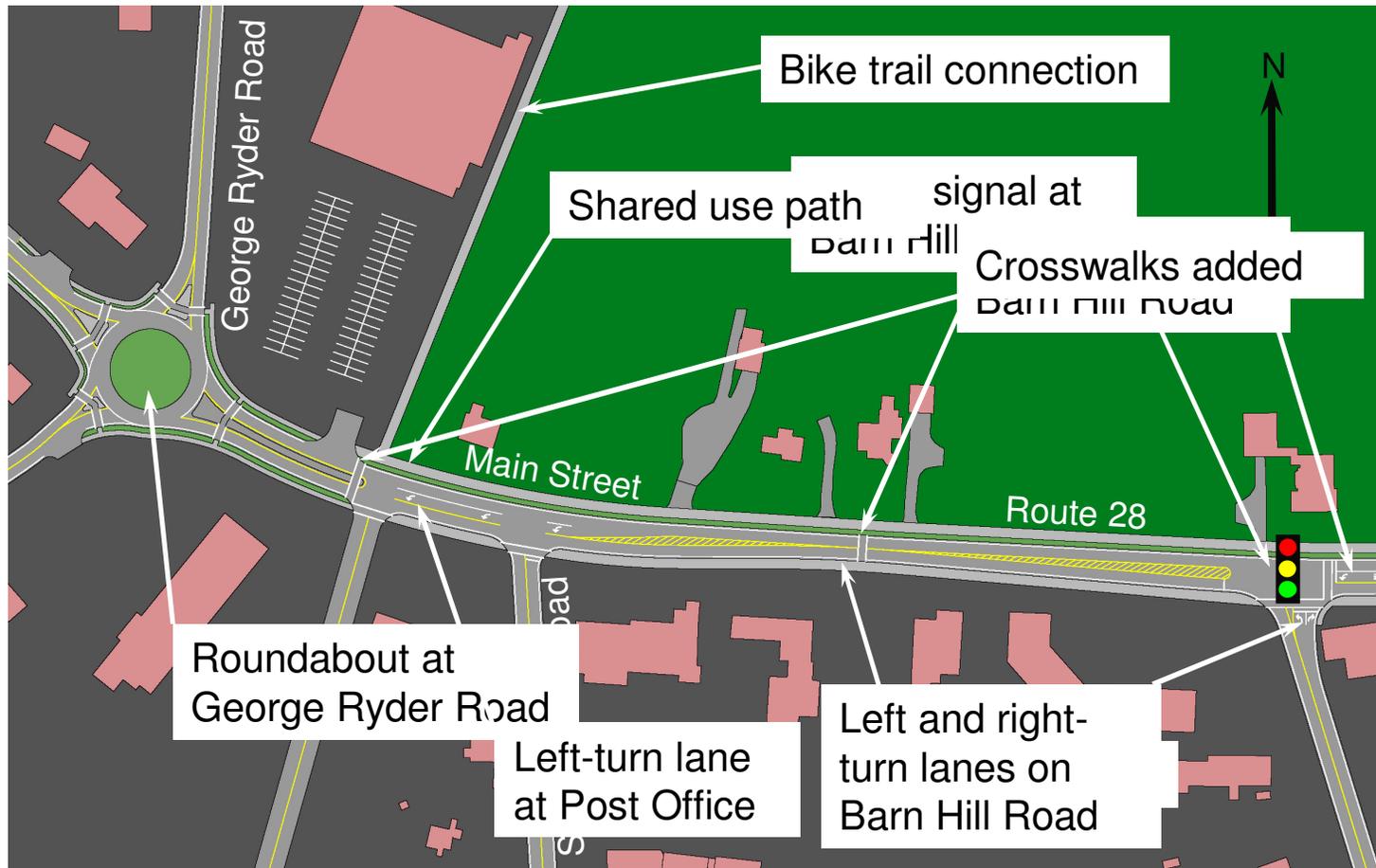


# Key Points of Corridor Plan (cont.)

- Left-turn lane at Post Office
- Left-turn lane at Barn Hill Road
- Left and right-turn lanes on Barn Hill Road
- Crosswalks added

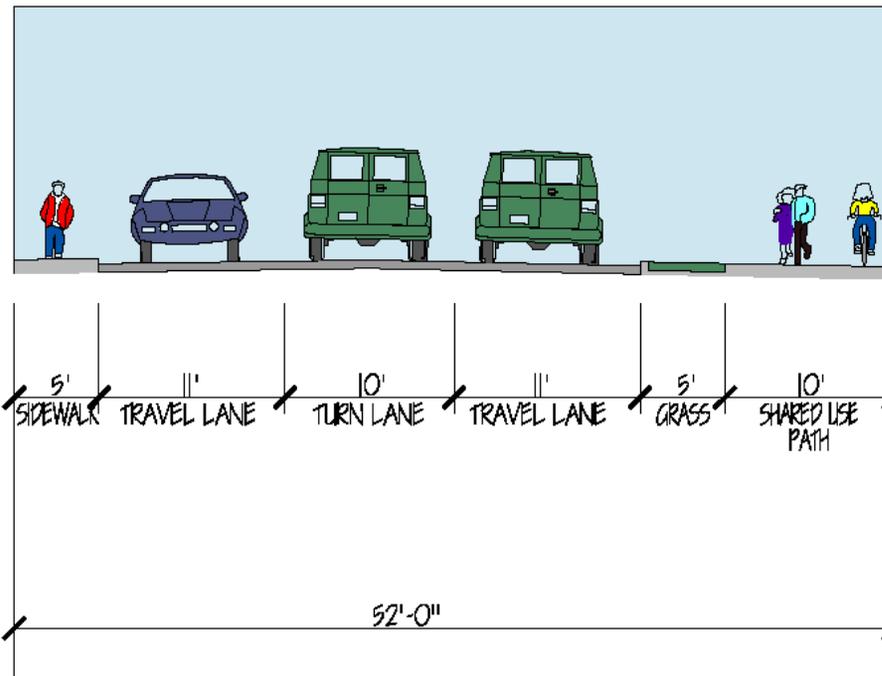


# Key Points of Corridor Plan





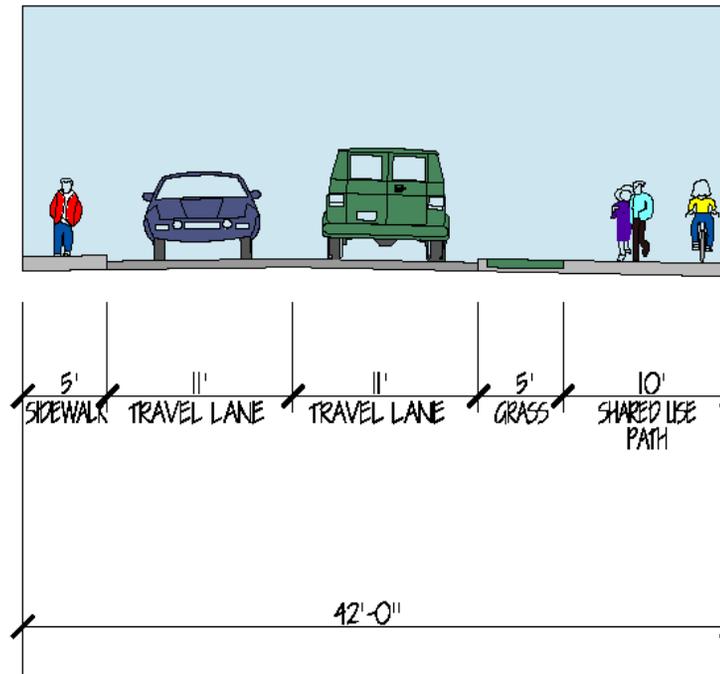
# Proposed Cross Section



MAIN STREET CORRIDOR  
PROPOSED 3-LANE CROSS SECTION  
AT POST OFFICE



# Proposed Cross Section



MAIN STREET CORRIDOR  
PROPOSED 2-LANE CROSS SECTION



# What's Next?

ENGINEERS  
**FST**  
Since 1914

June 30, 2010