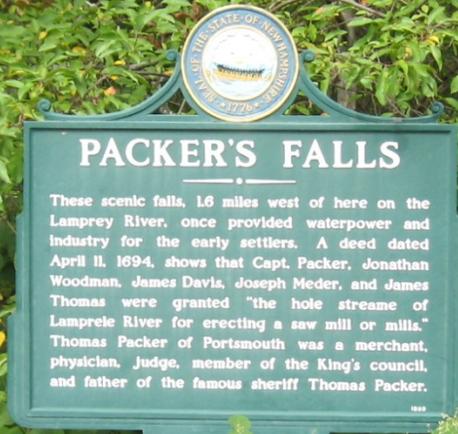


Durham-Newmarket 13080

NH Route 108



Transportation Enhancement Project

Lamprey River Advisory Committee

May 23, 2013

Agenda

- Project Background
- Right of Way Acquisition Process
- Environmental Review and Findings
- Existing Conditions
- Proposed Improvements
- Project Costs and Schedules

Project Limits

- The overall project begins just south of Bay Road in Newmarket and extends approximately 3.7 miles northerly to the intersection of Mill Pond Road in Durham.
- The first project scheduled to advertise, the “A” project begins 650 feet north of Stagecoach Road and continues north approximately 1.6 miles to Hamel Brook
- The “B” project will be completed in two sections:
 - The first begins just south of Bay Road in Newmarket and continues north to the pavement joint 650 feet north of Stagecoach Road
 - The second section begins at Hamel Brook and continues north to the intersection of Mill Pond Road in Durham

Project Background and Need

- Project originated as a Department sponsored TE project in 1998.
- Route 108 is a critical link in the Seacoast MPO bike network, and heavily used by the UNH bike community.
- The existing roadway is narrow and inadequate for bicycle use with 24 feet of pavement and no shoulders.
- The ADT ranges from 10,000 to 13,000 vpd (in 2002) along the corridor. That was projected to increase to between 16,000 and 20,000 vpd in 2025.
- A number of geometric deficiencies exist along the corridor, primarily at intersections.

Project Background and Need - Cont'd

- Preliminary design by Consultant - Rizzo Associates
- Successful Public Hearing July 21, 2005.
- Report of the Commissioner July 23, 2007.
- In House Design Chief opted to keep design with NHDOT
- Many changes within Department
- May 2011 received Scope of Services and Fee from Statewide on call Consultant (too expensive)
- May 9, 2012 – G&C Approval for “new” Statewide on-Call
- May 10, 2012 – NTP for Statewide On call
- May 25, 2012 – Issued NTP for Final Design
- June 1, 2012 – Formal turnover to Consultant

Project Team

- Design Consultant - CHA - Clough Harbour and Associates
- In-house staff design review and guidance
- In-house Right-Of-Way staff
- In-house Environmental staff
- In-house Utility Relocation/Coordination

Design Details

- Roadway Typical
 - 11 foot travel way and 4 foot shoulder
- Roadway surface
 - Bituminous pavement
- Roadway Profile
 - Slight adjustments to improve sight distance
- Utility Poles
 - Relocations required – limited clearing allowed

Right of Way Process



Durham-Newmarket 13080

Environmental Review

- Cultural Resources
 - Historic properties
 - Archeology
- Natural Resources
 - Wetland permits
 - Wildlife connectivity



Environmental Concerns

- Wildlife connectivity
 - Increase culvert sizes through “Flats”
 - Turtle ballast
 - Limit clearing
- Wetland impacts
 - Permanent impacts anticipated
- Historic properties
- Stone walls
 - Reconstruct walls impacted by construction

Current Project Cost and Schedule

13080-A

- \$2.42 million
 - 80% Federal / 20% State
 - No Town funds
- Final Design plans – 2012 / 2013
- Right of way acquisition – 2012 / 2013
- Advertise project for bids – **April 8, 2014**
- Begin Construction – June 2014

Current Project Cost and Schedule

13080-B

- \$4.6 million
 - 80% Federal / 20% State
 - No Town funds
- Final Design plans – 2013 / 2014
- Right of way acquisition – 2013 / 2014
- Advertise project for bids – **September 9, 2014**
- Begin Construction – April 2015

Hamel Brook Bridge

- Not part of the “A” or “B” projects
- Rough estimate developed to prepare FEMA or Homeland Security Grant Application
- Hydraulic Analysis being performed

Coordination with Town

- Sidewalk Maintenance Agreement
- Municipal Work Zone Agreement (MWZA)

Thank You

Plans and presentation are available on
Internet

<http://www.nh.gov/dot/projects/specifics.htm>