PLAISTOW-KINGSTON 10044-B

NH 125 – Reconstruction

(Plaistow Segment - East Road to Walton Road)

Combined Public Officials / Public Informational Meeting

May 13, 2009

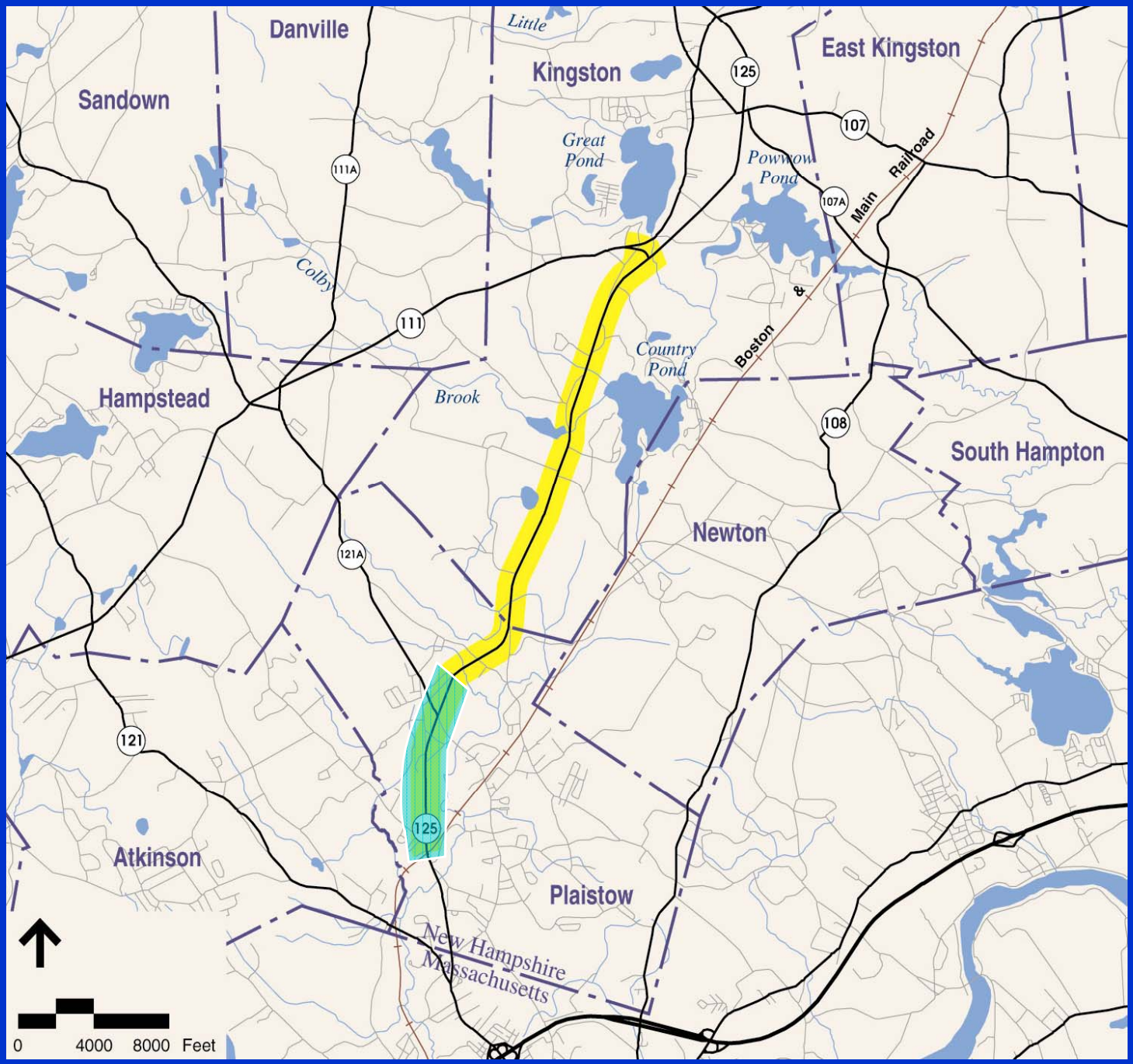
NHDOT Presentation

- Introduction (C. Waszczuk, NHDOT)
- Project History, Background & Need (C. Waszczuk, NHDOT)
- Current Project Status (C. Waszczuk, NHDOT)
  - Final Design & Construction Project Schedules
  - Updated Project Breakout / Construction Schedule
- 10044-F Construction Plan (T. Grande, VHB)
- 10044-G Construction Plan (T. Grande, VHB)
- Access Management Elements (T. Grande, VHB)
- Town Jurisdictional Elements
  & Maintenance Requirements (C. Waszczuk, NHDOT)

Project Limits

- East Road in Plaistow
- NH 111 in Kingston
- 6.0 Mile Segment

- *Focus on 1.6-Mile Segment (East Road to Walton Road)*



Project Need

- NH 125
- National Highway System
- Major commuter route
- Commercial business & shopping corridor
- Recreational route - summer months
- Truck route
- ADT – 23,000 (southern segment)
  - 14,000 (northern segment)
- Projected ADT – 31,000 (southern segment)
  - 20,000 (northern segment)

Project Need

- NH 125
- Limited Capacity – 2 Lane Road
- General Lack of Access Control
  - Inherent Conflict – Through Traffic & Local Traffic
- Peak Hours – Congestion (LOS E)
  - Diversion – Local Roadways Utilized
  - Left Turn Movements from Driveways & Unsignalized Intersections – Long Delays
- Numerous Uncontrolled Driveways
  - Adversely Effect Efficient Traffic Flow
  - Potentially Hazardous, Confusing Situations
- 697 Accidents – 6 mile section between 1996-2006

Project Goals

- Physical Roadway Improvements
  - Address Deficiencies
  - Improve Capacity
  - Enhance Safety
- Access Management Elements
  - Plan & Improve Corridor Mobility
  - Preserve Corridor Capacity
  - Enhance Long-term Safety

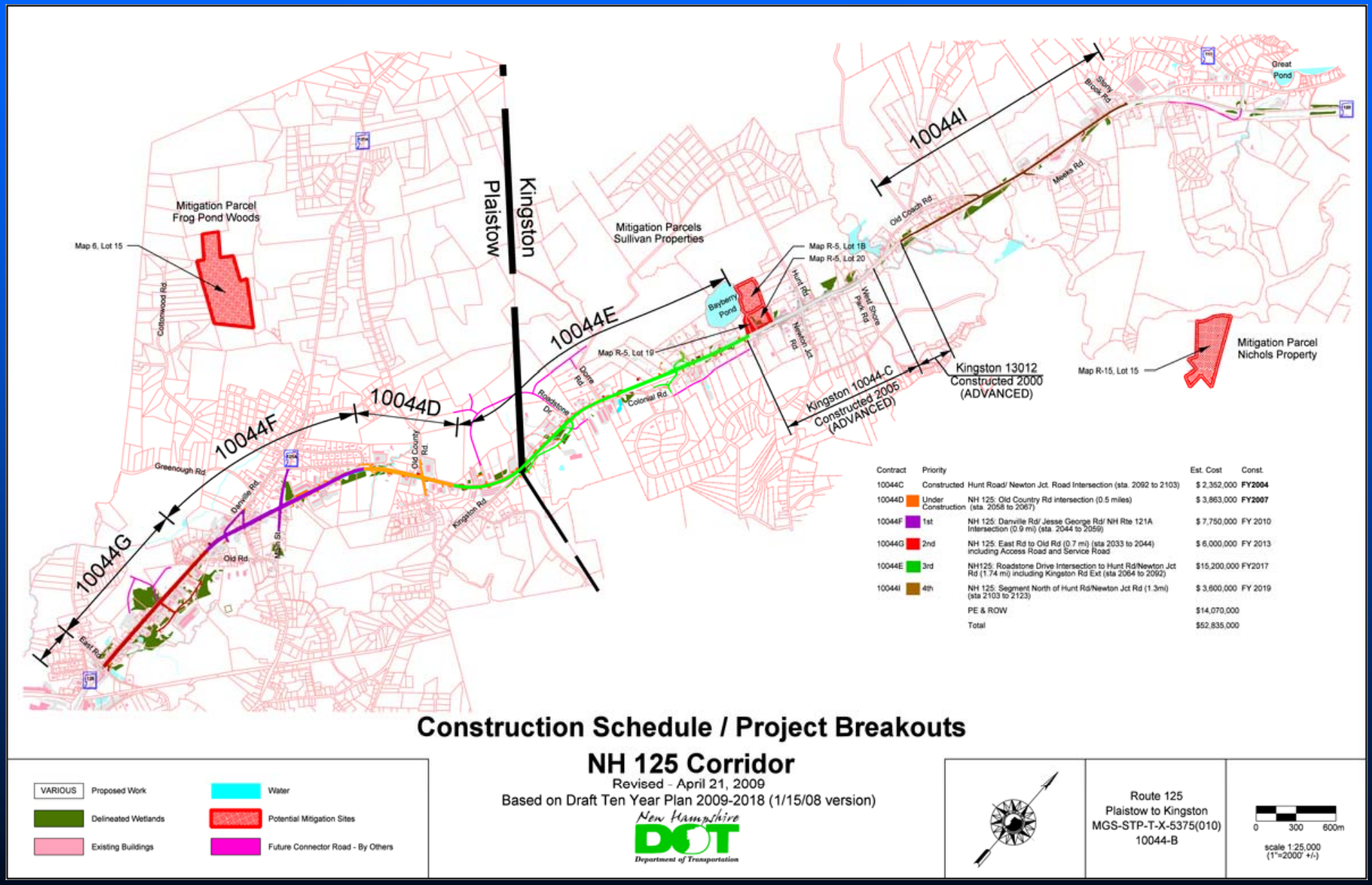
Project History / Background

- Preliminary Engineering Study Initiated (2001)
- Public Hearing (November 3, 2004)
- Layout Approval (June 22, 2005)
- Interim Projects Completed
  - New Boston Road Intersection Project (2000)
  - Old Coach Road Intersection Project (2000)
  - NH 121A Intersection Project (2001)
- Priority Intersection Projects
  - Hunt Road / Newton Junction Road Intersection Project (construction completed in 2005)
  - Old County Road Intersection Project (construction on-going)

Project History / Background (con't)

- Final Design (On-going)
  - Sequential Focus on Construction Projects (as prioritized)
  - Design progressing on overall corridor
- Environmental Permits
  - ACOE, NHDES, WQ Certificate have been received
  - Stringent Pollutant Loading & Stormwater Runoff Requirements
- ROW Process (On-going)
  - Current Focus on 10044-F Construction Project

Project Breakout / Construction Schedule



Contract	Priority		Est. Cost	Const.
10044C	Constructed	Hunt Road/ Newton Jct. Road Intersection (sta. 2092 to 2103)	$ 2,352,000	**FY2004**
10044D	Under Construction	NH 125: Old Country Rd intersection (0.5 miles) (sta. 2058 to 2067)	$ 3,863,000	**FY2007**
10044F	1st	NH 125: Danville Rd/ Jesse George Rd/ NH Rte 121A Intersection (0.9 mi) (sta. 2044 to 2059)	$ 7,750,000	FY 2010
10044G	2nd	NH 125: East Rd to Old Rd (0.7 mi) (sta 2033 to 2044) including Access Road and Service Road	$ 6,000,000	FY 2013
10044E	3rd	NH125: Roadstone Drive Intersection to Hunt Rd/Newton Jct Rd (1.74 mi) including Kingston Rd Ext (sta 2064 to 2092)	$15,200,000	FY2017
10044I	4th	NH 125: Segment North of Hunt Rd/Newton Jct Rd (1.3mi) (sta 2103 to 2123)	$ 3,600,000	FY 2019
		PE & ROW	$14,070,000	
		Total	$52,835,000	

Construction Schedule / Project Breakouts

NH 125 Corridor

Revised - April 21, 2009

Based on Draft Ten Year Plan 2009-2018 (1/15/08 version)

New Hampshire DOT Department of Transportation

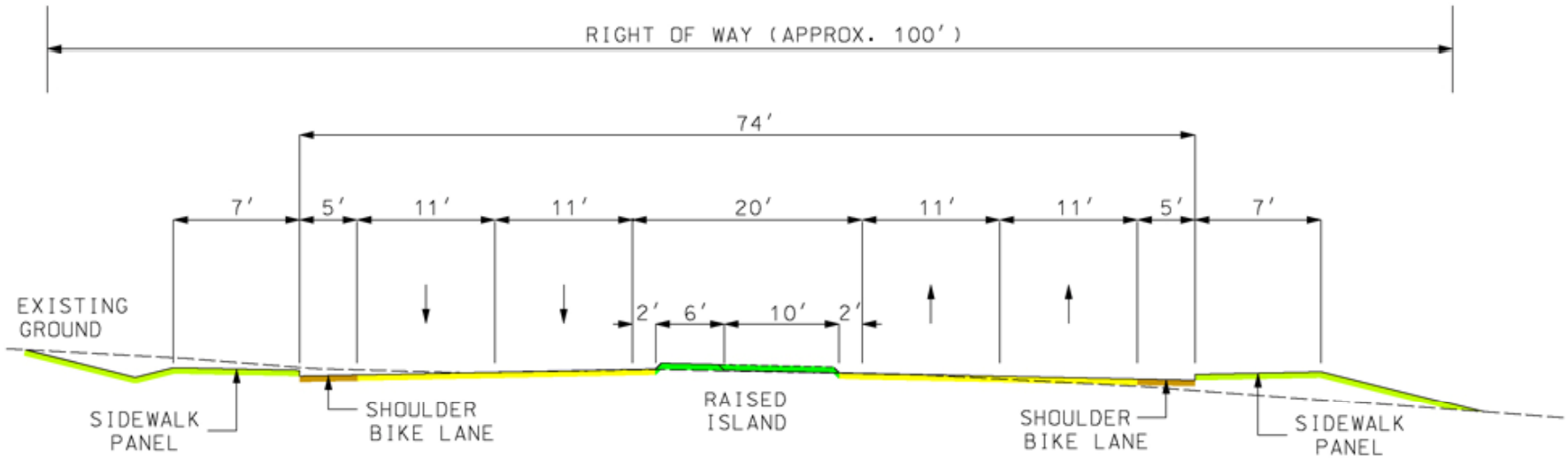
VARIOUS Proposed Work
Delineated Wetlands
Existing Buildings
Water
Potential Mitigation Sites
Future Connector Road - By Others

Route 125
Plaistow to Kingston
MGS-STP-T-X-5375(010)
10044-B

0 300 600m

scale 1:25,000
(1"=2000' +/-)

Proposed Typical Section

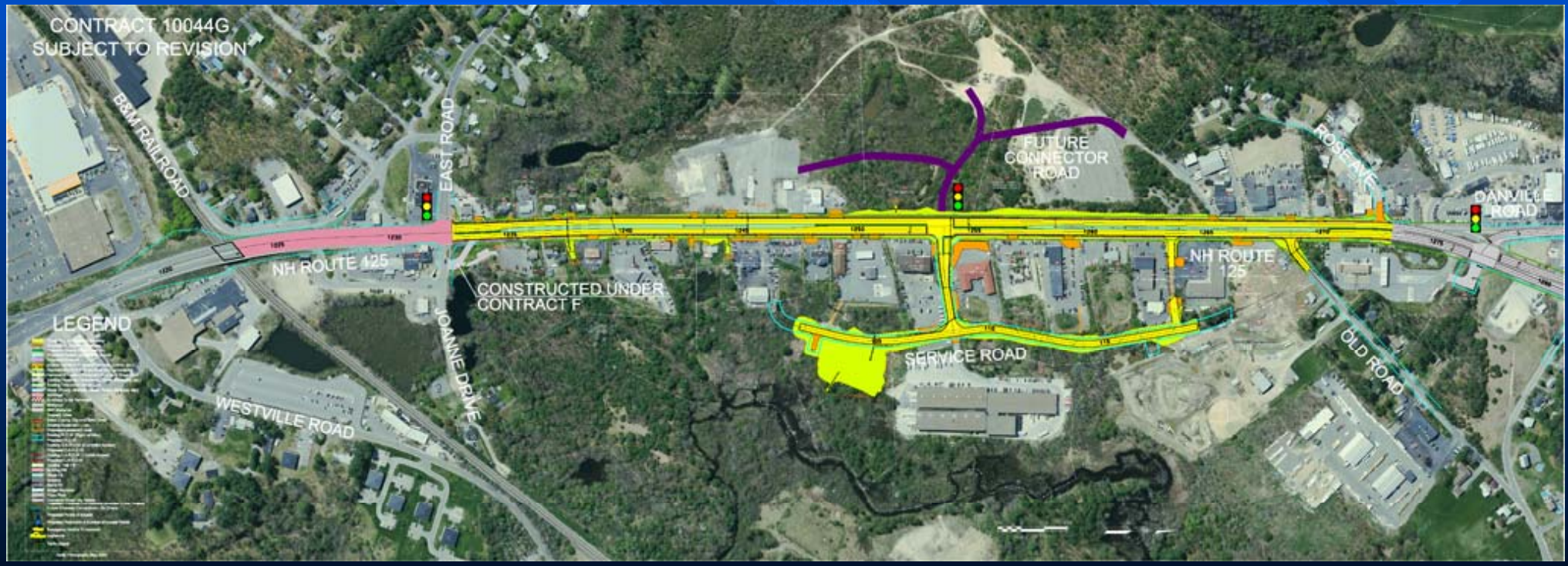


5 LANE SECTION

NH ROUTE 125
PROPOSED TYPICAL SECTIONS
OF IMPROVEMENT
PLAISTOW – KINGSTON

10044-F
CONSTRUCTION PLAN

10044-G
CONSTRUCTION PLAN



Access Management

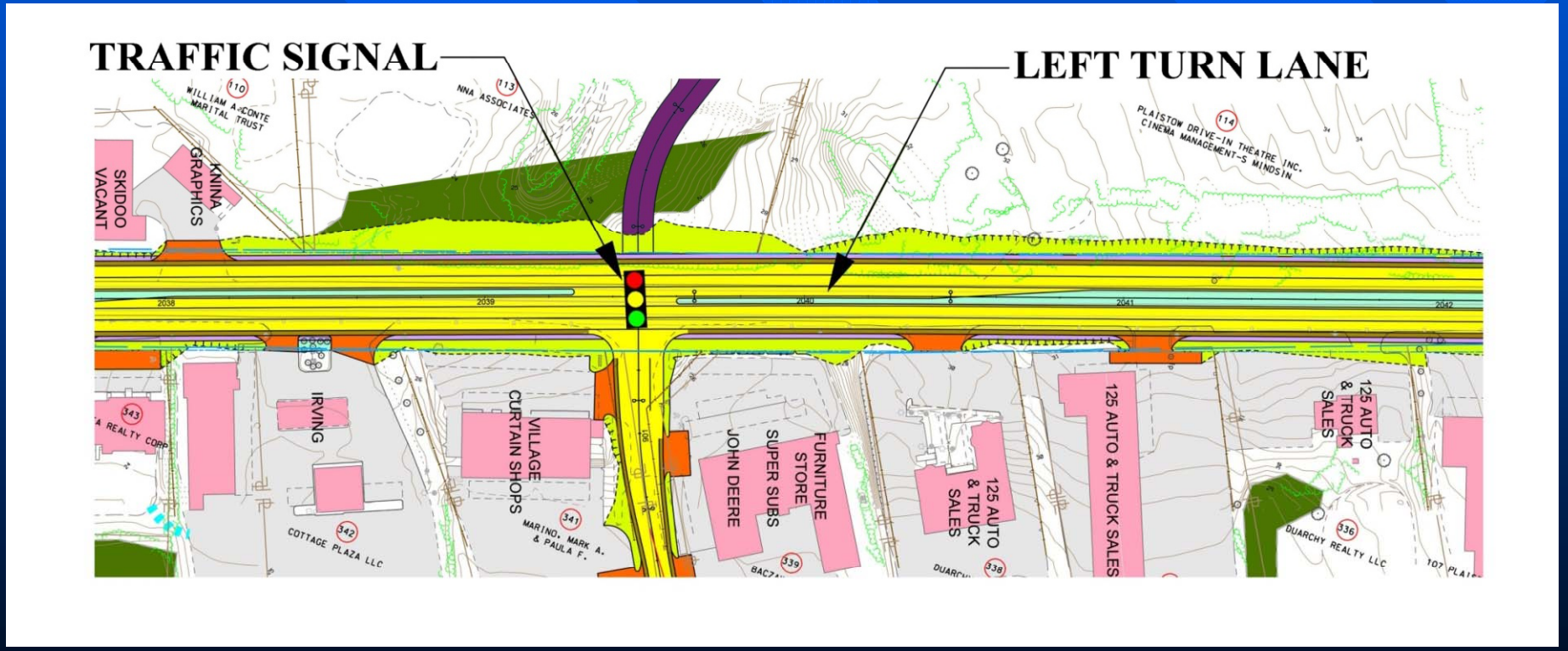
Access Management balances mobility and access, so as to improve the efficient movement of traffic while enhancing the safe and efficient access to/from abutting properties.

Access Management Elements

- Controlled Access Right-of-Way
  - Established at Public Hearing
  - Limit Number of Access Points
  - Generally, majority of driveways maintained
  - Some consolidation, where appropriate
- Design Elements
  - Signalized Intersections & Dedicated Left-Turn Lanes
  - Directional Median Openings
  - Landscaped Raised Center Median
  - Reverse Turn Opportunities

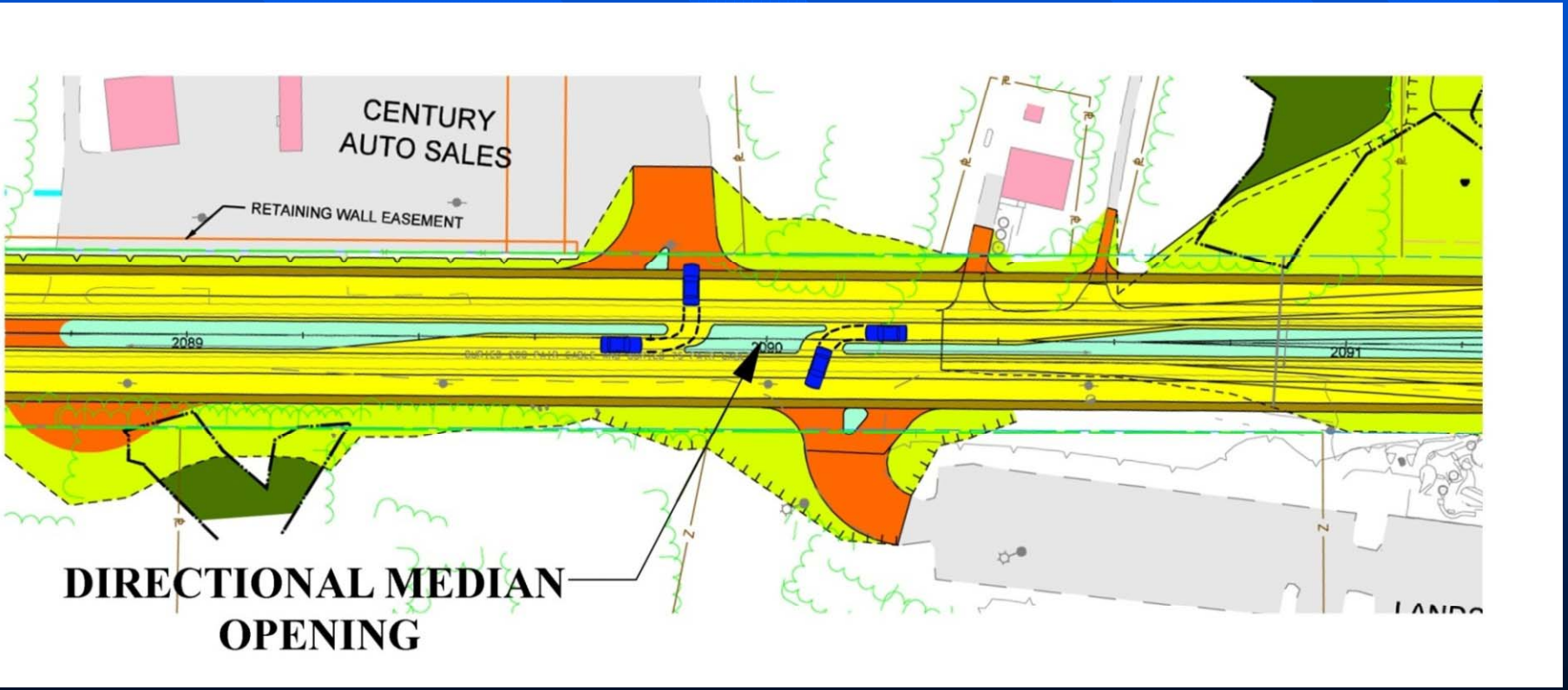
Access Management Elements

- Signalized Intersections & Dedicated Left-Turn Lanes



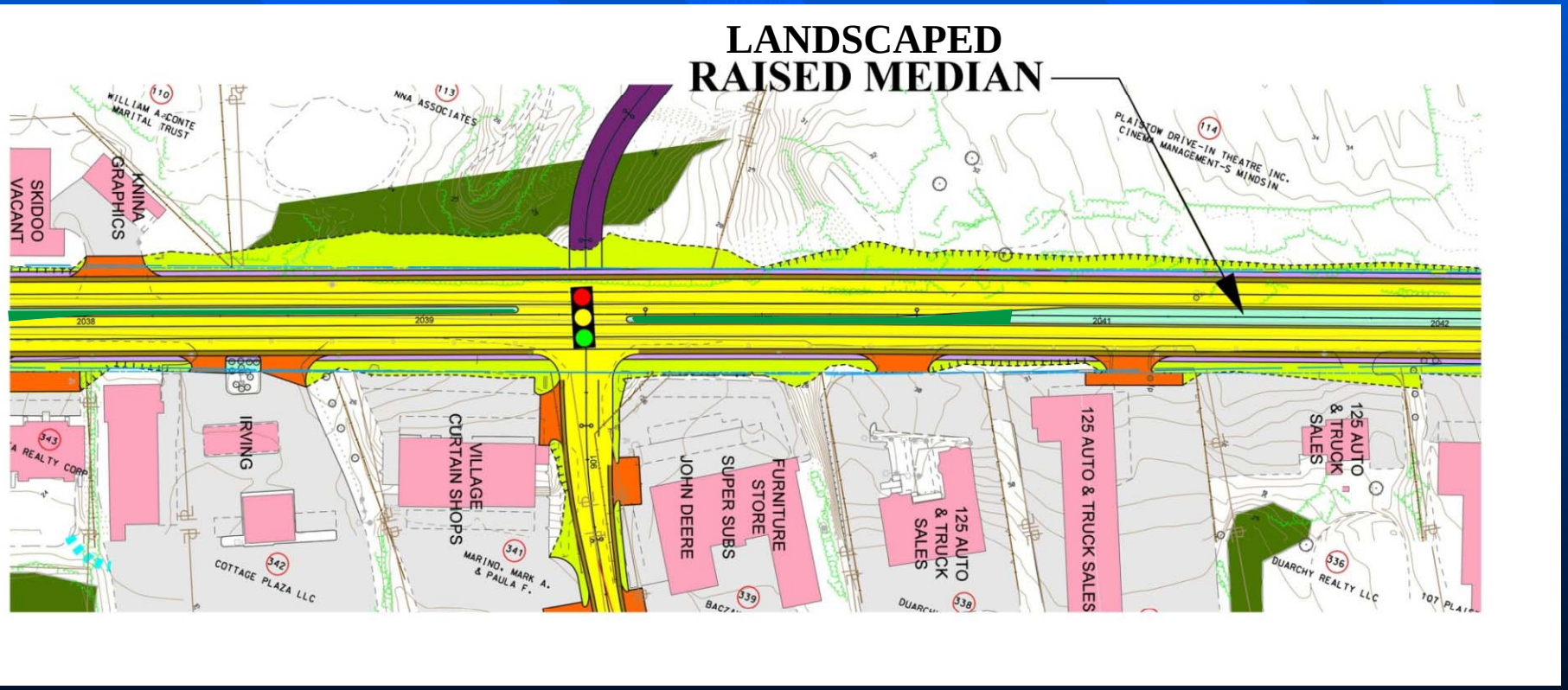
Access Management Elements

- Directional Median Openings



Access Management Elements

- Landscaped Raised Median



Access Management Elements

- Landscaped Raised Median
  - Where Median Island is at least 8 ft wide
  - Landscaping installed as part of each project
  - Landscaping to be maintained by the Town
  - Low Maintenance/Salt-resistant plants
    - » Candymint Crab Apple (2.5-in. Dia.)
    - » Carefree Beauty Rose (2.5-ft. Dia.)
    - » Common Purple Lilac (3-ft. Dia.)

Access Management Elements

- Example of Landscaped Median

Access Management Elements

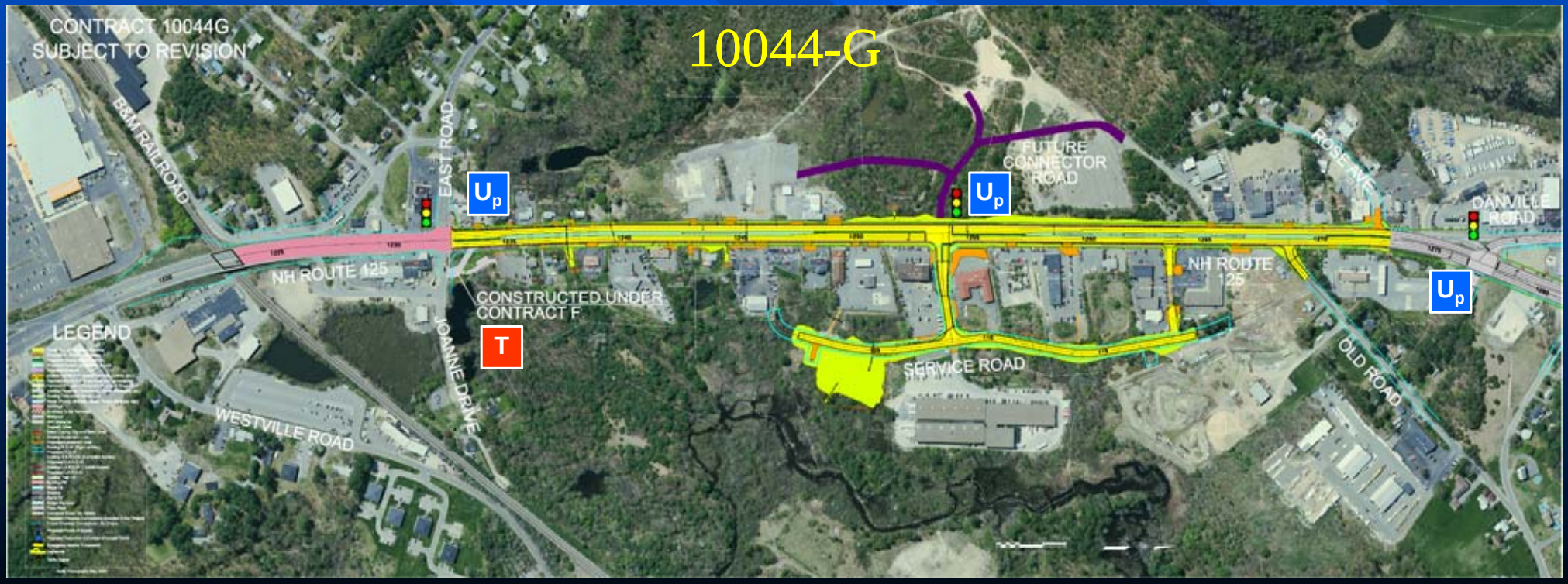
- Reverse Turn Opportunities

– U-Turns for Passenger Vehicles at Signalized Intersections

– U-turns for Passenger Vehicles at Directional Median Openings

– Reverse Turns for Trucks

CONTRACT 10044F
SUBJECT TO REVISION
10044-F
5 LANE SECTION
LEGEND
DANVILLE ROAD
SHADY LANE
WALTON ROAD
ROSE AVE
NH ROUTE 125
OLD ROAD
JESSE GEORGE
NH ROUTE 121A
OLD COUNTY ROAD
EAST ROAD
KINGSTON ROAD
T
D
Up


CONTRACT 10044G
SUBJECT TO REVISION
10044-G
B&M RAILROAD
EAST ROAD
FUTURE CONNECTOR ROAD
ROSE AVE
DANVILLE ROAD
NH ROUTE 125
CONSTRUCTED UNDER CONTRACT F
LEGEND
JOANNE DRIVE
SERVICE ROAD
OLD ROAD
WESTVILLE ROAD
T
Up

Municipal Agreement

- Similar to Agreement executed for 10044-D Project
- Executed between State & Town
- Agreement Includes:
  - Provisions for Work Zone Control & Uniformed Officers / Flaggers Utilization during Construction
  - Provisions for Future Sidewalk Maintenance
  - Provisions for Work & Future Maintenance of Town jurisdictional elements
  - Provisions for Future Maintenance of Median Landscaping

Project Costs

Contract	Priority	Decription	Est. Cost April 2009	Const.
10044C	Constructed	Hunt Road/ Newton Jct. Road Intersection	$2,352,000	FY 2004
10044D	Under Construction	NH 125: Old Country Rd intersection (0.5 miles)	$3,863,000	FY2007
10044F	1st	NH 125: Danville Rd/ Jesse George Rd/ NH Rte 121A Intersection (0.9 mi)	$7,750,000	FY 2010
10044G	2nd	NH 125: East Rd to Old Rd (0.7 mi) including Access Road and Service Road	$6,000,000	FY 2013
10044E	3rd	NH125: Roadstone Drive Intersection to Hunt Rd/Newton Jct Rd. (1.74 mi.) including Kingston Rd Ext.	$15,200,000	FY2017
10044I	4th	NH 125: Segment North of Hunt Rd/Newton Jct Rd (1.3mi)	$3,600,000	FY 2019
		PE & ROW	$14,070,000	
		Total	$52,835,000	

Contact Information:

Project Manager: Alex Vogt, P.E.

Telephone: 271- 2230

E-mail: avogt@dot.state.nh.us

Project Webpage:

http://www.nh.gov/dot/projects/plaistow10044b/index.htm

Thank You

Questions / Comments