

Getting it built:

**Municipal Project Funding
through the NHDOT**

2011 OEP Spring Conference

Presented by:

- **William Rose**

Senior Planner - NHDOT

- **Nancy Mayville, PE**

Municipal Highways Engineer - NHDOT



Did you know.....

- ⇒ There are 234 towns and cities in the State
- ⇒ These communities are responsible for 11,067 miles of road and...
- ⇒ Own 1,678 bridges
 - ⇒ 359 Red List
 - ⇒ 292 Near Red List
 - ⇒ 975 Green List



DOT provides financial assistance of about \$72.4M biennially through the following programs:

- Transportation Enhancement (TE)
- Congestion Mitigation and Air Quality (CMAQ)
- Safe Routes to School (SRTS)
- STP-Urban
- Highway Safety Improvement Program (HSIP)
- Scenic Byways (SB)
- Misc (TCSP, Salt reduction, earmarks)
- Federal Bridge Aid (MOBRR)
- Historic Covered Bridge

DOT provides financial assistance of about \$72.4M biennially through the following programs:

- State Aid Bridge (SAB)
- State Aid Highway (SAH)
- Block Grant Aid (BGA)*

* Not included in \$72.4M total

The Bureau:

Bill Watson

Administrator

Nancy Mayville

Municipal Highways Engineer

Tom Jameson

Project Manager, TE/CMAQ

C.R. Willeke

Project Manager, SAH, ER

John Corrigan

Safe Routes to School Coordinator

Dean Eastman

Scenic Byways Coordinator

William Rose

Senior Planner, STP-Urban

Robert Hudson

Civil Engineer V, HSIP

Steve Liakos

Civil Engineer V, Bridge Engineer

Bryan Lynch

Civil Engineer IV

Sherry Blanchard

Program Specialist II

Dawn Pulica

Program Assistant II

The Programs

**How much money is available
and for which types of projects?**

Transportation Enhancement (TE)

- Funds for projects that enhance transportation infrastructure
- \$3.2 million/year federal
- 80% federal, 20% local match
- Types of projects:
 - Sidewalks and bicycle paths (alternative transportation)
 - Historic preservation, transportation resources
 - Scenic beautification
 - Environmental mitigation

TE: Franklin-Northfield-Tilton



Transportation Enhancement (TE)

- Biennial application process
- Application process starts early 2012 for new projects
 - Plan ahead
- Three part project selection process
 - TE Advisory Committee, RPC's, NHDOT
- Municipal managed federal process applies

TE: Wolfeboro Route 28



Congestion Mitigation and Air Quality (CMAQ)

- Funding focus on improving air quality and congestion reduction
- \$8.0 million/year federal
- 80% federal, 20% local
- Projects in/impact area of air quality non-attainment

Congestion Mitigation and Air Quality (CMAQ)

Typical projects:

- Park-and-ride lots
- Transit service start-ups
- Intersection improvements
- Alternative fuel vehicles/infrastructure
- Intelligent Transportation Systems
- infrastructure

Congestion Mitigation and Air Quality (CMAQ)

- Biennial application process
- Application process for new projects starts later in 2012
- Three part project selection process
 - CMAQ Advisory Committee, MPO's, NHDOT
- Municipal managed federal process applies

Safe Routes to School (SRTS)

- Encourages walking and bicycling safely between school from home for K-8 children.
- \$1.0 million/year for 5 years.
- 100% federal.

Safe Routes to School (SRTS)

- Typical projects
 - Infrastructure projects: sidewalks, traffic calming
 - Non-infrastructure: events to raise awareness, bike rodeos, walk to school days
- Annual application process for infrastructure
- Rolling application cycle for start-up grants
- Three part project selection process
 - SRTS Advisory Committee, RPC's NHDOT

SRTS: Gorham sidewalks



Safe Routes to School (SRTS)

- 5 E's foundation of SRTS
 - Engineering
 - Education
 - Enforcement
 - Encouragement
 - Evaluation
- Municipal-managed federal process applies

SRTS: Walking School Bus



STP Urban

- Funding available for reconstruction of roads eligible for federal aid
- Funding is 80% federal/20% local match
- Federal funding is \$5.0 million/year
- Total program is \$6.25 million/year
- Funding allocated per municipality annually
 - Municipalities accumulate balance
 - Projects charged against balance

FUNCTIONAL CLASS

New Hampshire
DOT
 Department of Transportation
 Bureau of Transportation Planning



FUNCTIONAL CLASS	
RURAL	
01 Interstate Highways	Federal Highway
02 Other Principal arterials	
06 Minor Arterial	FEMA
07 Major collector	
08 Minor collector	
09 Local Roads	
URBAN	
11 Interstate Highways	Federal Highway
12 Other Freeways & Expressways	
14 Other Principal Arterials	FEMA
16 Minor Arterial	
17 Collector	
19 Local Roads	
Urban Areas (CENSUS 2000)	



STP Urban

- Typical project is reconstruction of a Class IV highway in compact
- Project initiated through Ten Year Plan process
- Municipal managed federal process applies

Highway Safety Improvement Program (HSIP)

- Purpose to achieve a significant reduction in traffic fatalities and serious injuries on all public roads
- NHDOT annually analyzes accident data statewide
- List of locations with accidents above a certain threshold identified

Highway Safety Improvement Program (HSIP)

- Federal funding \$6.0 million/year
- Funding is 90% federal, 10% other match
- Application process
 - Municipalities can apply
 - Criteria and methodology
- HSIP Committee selects projects and tracks progress of program
- Municipal managed federal process applies

Scenic Byways (SB)

- Program to preserve the scenic and cultural qualities of state within existing highway system
- Program funded at 80% federal/20% local match
- Application process (state and federal)
- NH funding: \$500,000 / year federal
- Projects selected annually by FHWA HQ
- Municipal managed federal process applies

Scenic Byways

0 5 10 15 20 25 30 Miles

Legend

Scenic Byways

NAME

- American Independence Byway
- Emerging Millard Davis & Cultural Byway
- People's Way
- Wendell Pierce Miller Trail
- Camden Water Village Byway
- Coastal Byway
- Connecticut River State Byway
- Curtis and Lee Trail
- Lake Umbagog State & Cultural Byway
- Lake Umbagog Trail
- Moore Park Trail
- Presidential Forge Trail
- Plover Heritage Trail
- The White Mountains Trail
- Presidential Heritage Trail
- Jackson Loop
- Presidential Forge Trail

Non-NH Routes

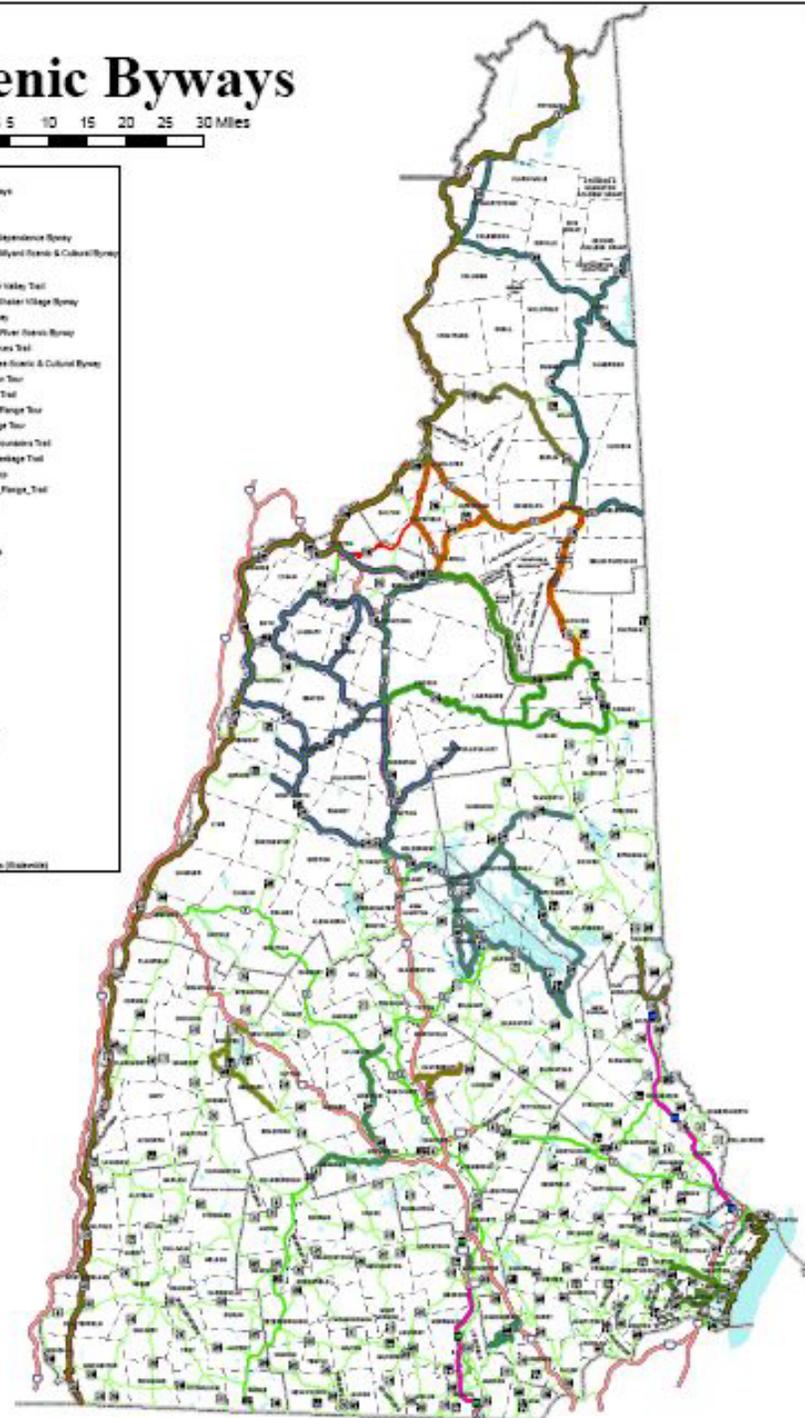
ROUTE

- RI-100
- RI-66
- RI-01
- RI-02
- RI-06
- MA-212
- VT-288

Boundary Lines

TYPE

- Town
- County
- State
- National
- State
- Town
- Water Bodies (Shaded)



Miscellaneous federal programs

Emergency Relief (ER)

- ER funds for municipal roads eligible for federal aid
- 100% for immediate repairs
- 80%/20% for other repairs
 - Municipal managed federal process applies

Miscellaneous Federal Programs

- TCSP, Earmarks, etc.
 - Sometimes initiated by municipalities
 - Remember municipal managed federal process applies

Block Grant Aid

- State highway revenue funds distributed quarterly to municipalities
- Share based on Class IV & V mileage and population
- For construction, re-construction and maintenance of Class IV and V highways

Block Grant aid

- Typically \$29 to \$30 million/year distributed
- FY 2011, increased to \$34.5 million as a result of \$30 vehicle registration surcharge
- FY2012-2013 will decrease to previous

State Aid Highway (SAH)

Funding for reconstruction of Class I, II, and III (all state-owned) highways (RSA 235:10 to 235:20)

- Projects funded 2/3 State funds & 1/3 local match
 - State provides \$1.7 million/year for 2/3
 - With 1/3 local match of \$0.85 million
 - Total program is \$2.5 million/year for whole state
- Projects are municipal-managed, state aid process

State Aid Highway (SAH)

How to get a project:

- Coordinate with Bureau of Planning and Community Assistance and Highway Maintenance District
- Agree on scope and cost of project
- Submit an Application for Construction
 - Town must appropriate matching funds to submit application

State Aid Highway (SAH)

- Typical projects:
 - Intersection improvements at town road and state highway
 - Improvements to unnumbered state routes

State Aid Highway (SAH)

Program quirks:

- Projects capped at \$1,050,000. Total
 - State $2/3 = \$700,000$
 - Local $1/3 = \$350,000$
- Funds may be appropriated over multiple years
- Unnumbered state routes re-classified to Class V (town road) when complete

State Aid Highway Reimbursement

NHDOT reimburses:

- 2/3 of design costs when design complete & approved to bid
- half of 2/3 for construction with notice of award
- half of 2/3 construction when construction complete and accepted.

SAB Program: Barnstead, Province Road



Municipal Bridge Funding

- Now (FY 2011) programming new projects in **FY 2019-2020**
- If towns plan ahead, we can avoid a crisis
- Does your community have a CIP?
- Or bridge capital reserve account?

Municipal Bridge Aid

- State Bridge Aid Program
 - 80% State funds, 20% local funds
 - Currently \$6.8 million/year State funds
 - Total \$8.2 million/year with \$1.4 million/year local match

Municipal Bridge Aid

- Municipal-managed projects, state aid process
- Average project about \$800,000+.
- 10-12 projects/year
- Advanced construction allowed

Municipal Bridge Aid

We've had some good \$\$ years recently:

- FY 2008 and 2009, additional \$7.0 million/year State funds
- FY 2008 and 2009 total \$13.8 million year State funds, with match becomes \$16.5 million/year
- FY 2009-2010 22 bridge projects accelerated as ARRA-related

Municipal Bridge Aid

- Federal Bridge Aid Program
 - 80% Federal funds, 20% local funds
 - Currently \$4.0 million/year Federal
 - Total \$5.0 million/year with \$1.0 million/year local match
 - Typically fund larger bridge projects
 - Municipal managed federal process followed

Municipal Bridge Aid

- Federal Aid Bridge (FAB) Program
 - 32 projects FAB, total cost \$89.6 million
 - 27 projects FY 1994 thru FY 2010, total cost \$48.74 million
 - 5 projects FY 2011 thru FY 2020, total cost \$40.86 million
- Historic Covered Bridge Program
 - 4 municipal projects, \$6.5 million total
 - Annual application process

Bridge Aid Program Background

- NHDOT provides Bridge Inspection Reports to municipalities including:
 - Biennial inspections for municipal bridges
 - Red List bridges, annual
 - Critical Deficiency bridges as needed

State Aid Bridge Program: Hillsborough, 2nd NH Turnpike



Municipal Bridge Aid Process

- Getting a Project:
 - Town submits “**Application for Preliminary Estimate**”
 - NHDOT provides estimate to community
 - Town appropriates matching funds
 - Town Submits “**Application for Construction**”
 - NHDOT enrolls project in State Bridge Aid Program, programs construction funding

Municipal Bridge Aid Process

- How do we provide reimbursements to towns on State-aid projects?
 - Design complete = 80% of design costs to town
 - Construction contract = half of 80%,
 - Completion of construction = other half of 80%
 - Audit, pay only qualifying charges

Municipal Bridge Aid Process

- How do we reimburse funds to towns in Federal funded projects?
 - Design = monthly 80% of eligible pre-approved design costs
 - During construction= monthly 80% of participating costs
 - Audit, pay only qualifying charges

Managing Municipal Bridges

- Bridge Design and Maintenance may provide, depending on availability:
 - Technical guidance on repairs
 - Temporary bridges for short-term use
 - Currently temporary bridges are generally not available, considered case-by-case

Questions?

Call us:

Bureau of Planning & Community

Assistance:

603-271-2107

Check our website:

<http://www.nh.gov/dot/org/projectdevelopment/planning/index.htm>

