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Financial Constraints

18 Financial Constraints

It is important to provide a financial context to transportation planning so that projects can be prioritized in a realistic manner. This plan is financially constrained based on information provided by MassDOT. MassDOT's financial guidance provided projected future transportation funding for Franklin County from 2011 to 2036. Funding targets are broken down into several categories.

Funding Available

Funding Available for Highway and Bridge Projects

First, Federal Highway Administration funds and State Highway and Bridge funds were projected over 5 year blocks of time statewide for the following funding categories:

- Major Infrastructure Projects;
- Federal Aid Bridge Projects;
- National Highway System/Interstate Maintenance (NHS/IM);
- Statewide Maintenance and
- Regional Discretionary Funding.

Local aid funding sources such as Chapter 90 and the MassWorks Programs were excluded from MassDOT funding projections. The MassDOT projections included an assumption that funding levels would increase by a 4 percent annual inflation rate after the year 2016. Table 17-1 shows that a total of \$792,559,000 is anticipated to be available to Franklin County for highway-related transportation improvements between 2011 and 2036.

Forecasted funding levels for the Franklin Region were based on the projected amount available to Metropolitan Planning Organizations statewide, and the following factors:

- **Funds for Major Infrastructure and for Regional Discretionary:** Projected regional funding in these categories is based the regional share formula for the Statewide Highway Funds developed by the Massachusetts Association of Regional Planning Agencies (MARPA). Under the MARPA formula, the Franklin Region receives 2.54% of the funds distributed to regions statewide.
- **Funds for Bridges:** Projected regional funding for bridge improvements and repairs is based on each region's percentage of federal-aid eligible bridges. The Franklin Region's percentage is 6.45%.

Table 17-1: Funding Available to Franklin County 2011 - 2035

Timeframe	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	Total
Total Funding Available for Programming in the Franklin Region RTP	\$97,130,000	\$113,648,000	\$160,129,000	\$195,275,000	\$226,377,000	\$792,559,000
Major Infrastructure Projects	\$4,133,000	\$5,555,000	\$8,393,000	\$10,255,000	\$11,888,000	\$40,224,000
Federal Aid Bridge Projects	\$36,435,000	\$40,143,000	\$60,066,000	\$73,272,000	\$84,942,000	\$294,857,000
NHS/IM Projects	\$11,083,000	\$11,877,000	\$17,827,000	\$21,758,000	\$25,224,000	\$87,769,000
Statewide Maintenance	\$27,411,000	\$27,962,000	\$34,028,000	\$40,046,000	\$46,424,000	\$175,871,000
Regional Discretionary Funding	\$18,068,000	\$28,112,000	\$39,816,000	\$49,943,000	\$57,898,000	\$193,838,000

- **Funds for Interstate Maintenance:**
Projected regional funding for interstate maintenance projects is based on the regional share of Interstate lane mileage, excluding the Massachusetts Turnpike. The Franklin Region's percentage is 3.78%.

Funding Available for Transit Projects

As with highway and bridge funding, the estimated costs of transit recommendations and projected revenue also needs to be reviewed to ensure financial constraint. Estimates of available transit funding were provided by the MassDOT Rail and Transit Division. Federal funds must be used for capital projects. Capital funds may only be spent on tangible items such as equipment, preventative maintenance of vehicles, facilities and equipment, ADA services, facility improvements and the purchase of vehicles. Operating expenses must come from grants, state and local funding and farebox revenue. Operating expenses covers salaries, benefits, advertising and marketing expenses and other cash needs. A summary of the projected transit funding for the Franklin Regional Transit Authority from 2011 to 2035 is presented below.

Table 17-2
Massachusetts Transit Program Funding Forecasts
2011-2035

Federal Program			Note	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	Total
§ 5307	Urbanized Area Formula			\$0	\$0	\$0	\$0	\$0	\$0
§ 5309	Capital Fixed Guideway Program	A		\$0	\$0	\$0	\$0	\$0	\$0
§ 5310	Elderly and Disabled	B		\$95,564	\$100,000	\$100,000	\$100,000	\$100,000	\$495,564
§ 5311	Non-Urbanized Area Formula			\$4,710,186	\$5,450,000	\$6,300,000	\$7,291,000	\$8,442,000	\$32,193,186
§ 5316	JARC	C		\$305,872	\$311,989	\$318,229	\$324,594	\$ 331,085	\$ 1,591,769
§ 5317	New Freedom	C		\$268,425	\$273,794	\$279,269	\$284,855	\$290,552	\$ 1,396,894
Commonwealth Programs			Note	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	Total
SCA	State Contract Assistance			\$3,794,324	\$4,364,000	\$5,045,000	\$5,845,000	\$6,770,000	\$25,818,324
RTACAP	RTA Capital Assistance Program			\$4,878,315	\$6,252,925	\$6,878,217	\$7,566,039	\$8,322,643	\$33,898,139
ITCCAP	RTA Intermodal Assistance Program	D		\$246,000	\$0	\$0	\$0	\$0	\$246,000
MAP	Mobility Assistance Program			\$888,542	\$1,023,000	\$1,173,000	\$1,348,000	\$1,551,000	\$5,983,542
Statewide Programs			Note	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	Total
§ 5311(f)	Intercity bus			\$2,783,522	\$3,218,000	\$3,718,000	\$4,297,000	\$4,969,000	\$18,985,522
RTAP	Rural Transportation Assistance			\$542,519	\$620,000	\$701,000	\$800,000	\$915,000	\$3,578,519
PNP	Private non-profits	B		\$4,802,297	\$5,560,000	\$6,435,000	\$7,445,000	\$8,617,000	\$32,859,297
COA	Councils On Aging	B		\$1,600,766	\$1,848,000	\$2,131,000	\$2,457,000	\$2,838,000	\$10,874,766
MassDOT	MassDOT Admin			\$5,558,272	\$6,417,000	\$7,389,000	\$8,512,000	\$9,821,000	\$37,697,272

A Earmark funds are not forecasted; only current actual shown.

B Competitive program with funding allocated based on actual application and award.

C Competitive program with funding allocated based on actual application and award. Amount displayed reflects upper annual potential award.

D ITCCAP program sunsets by 2014 and merges into RTACAP program

The projected transit funding does not include JARC or New Freedom funds because, while Franklin County is eligible for these monies, they are competitive grants and therefore cannot be expected.

The transit funds were projected on a statewide basis by MassDOT Rail and Transit Division, and are broken down in this Plan by the same five time periods as the highway and bridge funds, into the following categories:

- Paratransit/Van Service Projects (5310 Program)
- State Capital Investment
- State Assistance for Operations
- Non-Urbanized Area Formula Funding (5311 Program)
- Access to Jobs (5316 Program), and
- New Freedom Projects (5317 Program).

The forecasted funding levels for State Capital Assistance for Operations assume a 2.5% annual inflationary increase beyond the year 2009. The other transit funding projections assume a 3% inflation increase beyond the year 2010.

For funding under the 5310 Program, regional funding estimates were based on the past distribution of Mobility Assistance Program (MAP). Using this approach, the Franklin Region receives 5.73% of the statewide 5310 Program funds. This approach was agreed to by MassDOT Rail and Transit Division and the Massachusetts Association of Regional Transit Agencies (MARTA), and varied from a previous approach which based each region's funding on its percentage of the statewide elderly and disabled population. The projected State Capital Investment and State Assistance for Operations funds for each region were estimated based on current funding levels for these programs.

Funding for Other Transportation: Airports and Rail Projects

Finally, other transportation funding sources are included where available, for airport improvements and rail projects. Airport projects are generally funded 95.0% with Federal funds from the Federal Aviation Administration, 2.5% with State funds from

the Massachusetts Aeronautics Commission, and 2.5% with local funds.

Project Cost Estimates

Cost estimates are included for construction/implementation related projects. Some recommended projects have not advanced to the development stage that cost estimates can be generated. Cost estimates were gathered from a variety of sources including the Franklin Regional Transit Authority, FRCOG, towns' Departments of Public Works, MassDOT, the Turners Falls Municipal Airport, and the Orange Municipal Airport. The recommended projects that have estimated costs for construction and/or implementation are included in the Estimated Projects Cost table which is included in this chapter. Costs for projects that are expected to extend beyond 2015 include an inflation factor of 4% per year.

Financially Constrained Plan

The 2011 Franklin Region Transportation Plan is financially constrained. The projected funding levels over the life of the Regional Transportation Plan are sufficient to fund the projects recommended in the Plan. The estimated total costs of all of the recommended projects are \$340,000,000. However, the costs are estimated because many of these projects are in design or conceptual stages, and the final construction costs will not be known until the project has been bid. The estimated costs for projects that are expected to extend beyond 2015 include an inflation factor of 4 percent per year beginning in 2016.

The financial constraint of the Plan was also reviewed within individual funding categories including Major Infrastructure Projects, Federal Aid Bridge Projects, National Highway System/Interstate Maintenance Projects, Statewide Maintenance and Regional Discretionary Program.

There are no projects included in the Plan that are funded with the **Major Infrastructure Projects** funding category. The construction of the Franklin Regional Transit Center and the development of the rail platform at the transit center to access the reinstated Connecticut River Valley rail service is a

major infrastructure project in the region. This project is included and of significance for air quality purposes. This project is within the financial constraint of the Plan because it has funding through a Congressional earmark.

Over the life of the Plan, a total of \$294,857,000 is available for **Federal Aid Bridge Projects**. The Plan includes approximately \$170,000,000 in Federal Aid Bridge Projects. These projects include: the reconstruction of the bridges (northbound and southbound) on Interstate-91; the reconstruction of the Gill-Montague Bridge; the reconstruction of the General Pierce Bridge in Greenfield and Montague; and the completion of structural maintenance on the bridge on Route 112 over the North River in Colrain. This Regional Transportation Plan sets aside \$104,024,174 for these projects over the life of the Plan.

A total of \$87,769,000 is available to the Franklin County region over the life of the Plan for **National Highway System/Interstate Maintenance Projects**. The Regional Transportation Plan includes approximately \$54,000,000 in National Highway System/Interstate Maintenance Projects. These projects include: the resurfacing of Interstate-91 in Deerfield; the resurfacing of Route 2 in Buckland and Charlemont; and the resurfacing of Interstate-91 in Bernardston. This Regional Transportation Plan sets aside \$34,000,000 for these projects over the life of the Plan.

A total of \$175,871,000 is available for **Statewide Maintenance Projects**. The Plan includes approximately \$13,000,000 in Statewide Maintenance Projects. There are no projects within this funding category that exceed \$10,000,000. The resurfacing of Routes 5/10 in Deerfield and Whately; the resurfacing of Route 202 in New Salem and Shutesbury; the reconstruction of Main Street (Route 63) in Northfield are among the project being funded through the Statewide Maintenance funding category. The Regional Transportation Plan sets aside \$9,500,000 for these projects.

A total of \$193,839,000 is available for **Regional Discretionary Projects**. The Plan includes

approximately \$60,000,000 in Regional Discretionary Projects including: the repair of six culverts on Route 2 in Charlemont; the reconstruction of Route 63 in Erving and Northfield; the design and construction of safety improvements on the Farley section of Route 2 in Erving; and the design and construction of a bikeway connection in Erving-Wendell. The Plan sets aside approximately \$34,000,000 for these projects.

The Franklin County Transportation Planning Organization is working to reactivate a **Pavement Management System** for the region. An initial pavement condition estimate was generated during 2010 using available data from MassDOT. Based on this preliminary assessment, it was determined that the cost to bring all county roads to "excellent" condition is not realistic due to financial and physical limitations. Consequently, a more realistic strategy is recommended at this time, which proposes: maintaining roadways that are currently in excellent and good condition, and preventing further deterioration of roadways in fair condition while bringing those roads up to excellent condition as soon as possible. The cost of this maintenance strategy is \$53,372,880 for a ten year timeframe. Overall, the pavement management strategy for the region will be developed in a financially constrained way that takes into account the projected revenues that will be available to the region.

The Franklin Regional Transit Authority (FRTA) develops its **transit operations** based on the revenues available through federal, state and local funding sources. During the development of this plan, the FRTA provided figures for the fiscal years 2011-2015 timeframe by transit funding category. These figures have been reviewed, and are financially constrained based on the projected funding available by transit category contained in the table "Massachusetts Transit Program Funding Forecasts" (contained in this chapter).

The *Franklin Region Transportation Plan* demonstrates financial constraint in that the estimated costs of the recommended projects for the five-year timeframes and for the 2011-2036 period overall, do not exceed the projected funding levels.

Proposed Project Funding

The following is table of proposed regional projects and the funding estimated for these projects by timeframe. The type of funding (Major Infrastructure

Projects, Federal Aid Bridge Projects, National Highway System/Interstate Maintenance, Statewide Maintenance, Regional Discretionary Program, and other) to be used is also specified for each project.

Table 17-3
Estimated Project Costs

Estimated Project Costs						
The abbreviations used in the table to describe the funding source are the following: MIP – Major Infrastructure Projects, FABP - Federal Aid Bridge Projects, NHS/IM – National Highway System/Interstate Maintenance, SM – Statewide Maintenance, RDP– Regional Discretionary Program, Other						
Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Bernardston	Bridge Preservation: Route 10. (Projis Number 605070) (Bridge Number B-10-018)		The funding is not known at this time			
Bernardston	Bridge Replacement: Brattleboro Road. (Projis Number 604189) (Bridge Number B-10-004)		\$1,747,200 (includes 4% inflation rate) (\$1,680,000 original estimate) Funding: FABP			
Buckland	Bridge Replacement: Route 112 (Ashfield Road). (Projis Number 606441) (Bridge Number B-28-002) Advertising Date: 5/19/2012		\$2,122,036 (includes 4% inflation rate) \$2,040,420 original estimate) Funding: FABP			

Estimated Project Costs

The abbreviations used in the table to describe the funding source are the following:
MIP – Major Infrastructure Projects, FABP - Federal Aid Bridge Projects, NHS/IM – National Highway System/Interstate Maintenance, SM – Statewide Maintenance, RDP– Regional Discretionary Program, Other

Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Buckland and Shelburne	Bridge Preservation: Buckland/Shelburne Bridge on Route 2A (Bridge Street) over Deerfield River. (Projis Number 606441) (Bridge Numbers B-28-002 and S-11-001) Advertising Date: 10/25/2014	\$1,010,000 Funding: FABP				
Charlemont	Bridge Replacement: Mountain Road over Hartwell Brook. (Projis Number 603704) (Bridge Number C-05-036) Advertising Date: 7/16/2011	\$1,266,894 Accelerated Bridge Program Funding: FABP				
Charlemont	Culvert Replacement: Route 2 over Oxbow Brook and Wilder Brook. (Projis Number 605842) (Bridges Numbers C-05-016 and C-05-017) Advertising Date: 8/6/2011	\$2,386,492 2011 Funding: FABP				
Charlemont	Route 2: 6 culverts in Charlemont	\$8,000,000 Funding: RDP (STP)	\$12,480,000 (includes 4% inflation rate) (\$12,000,000 Original Estimate) Funding: RDP (STP)			

Estimated Project Costs

The abbreviations used in the table to describe the funding source are the following:

MIP – Major Infrastructure Projects, FABP - Federal Aid Bridge Projects, NHS/IM – National Highway System/Interstate Maintenance, SM – Statewide Maintenance, RDP– Regional Discretionary Program, Other

Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Charlemont	Culvert Replacements: Route 2 (6 culverts in Charlemont).		\$2,907,014 (includes 4% inflation rate) (\$2,795,206 Original Estimate) Funding: FABP			
Charlemont	Bridge Replacement: Zoar Road over Pelham Brook (Projis No. 605286; Bridge No. C-05-002).		\$2,907,014 (includes 4% inflation rate) (\$2,795,206 Original Estimate) Funding: FABP			
Charlemont	Bridge Replacement: Route 2 over Trout Brook (Projis No. 606158) Bridge No. C-05-020). Advertising Date: 5/2/2015		\$1,213,680 (includes 4% inflation rate) (\$1,167,000 Original Estimate) Funding: FABP			

Estimated Project Costs

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MIP – Major Infrastructure Projects, FABP - Federal Aid Bridge Projects, NHS/IM – National Highway System/Interstate Maintenance, SM – Statewide Maintenance, RDP– Regional Discretionary Program, Other

Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Colrain	Bridge Replacements: Two bridges on Heath Road over the North River. One of the bridges currently has a weight restriction. (Bridges Numbers C-18-013 and C-18-020).		\$624,000 (includes 4% inflation rate) (\$600,000 Original Estimate) Funding: FABP			
Colrain	Bridge Replacement: Bridge on Archambo Road near White Lane over the North River. Bridge currently has a weight restriction. (Bridge No. C-18-019).		\$312,000 (includes 4% inflation rate) (\$300,000 Original Estimate) Funding: FABP			
Colrain	Bridge Replacement: Adamsville Road over the North River. Bridge currently has a weight restriction. (Projis Number 605080) (Bridge No. C-18-008).		\$312,000 (includes 4% inflation rate) (\$300,000 Original Estimate) Funding: FABP			

Estimated Project Costs

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 MIP – Major Infrastructure Projects, FABP - Federal Aid Bridge Projects, NHS/IM – National Highway System/Interstate Maintenance, SM – Statewide Maintenance, RDP– Regional Discretionary Program, Other

Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Colrain	Bridge Structural Maintenance: Route 112 (Jacksonville Road) over the North River. (Projis Number 605290) (Bridge Number C-18-028)		\$11,807,174 (includes 4% inflation rate) (\$11,353,052 Original Estimate) Funding: FABP			
Conway	Bridge Replacement: North Poland Road over Poland Brook. (Projis Number 604005) (Bridge Number C-20-003) Advertising Date: 7/30/11	\$1,663,250 Funding: FABP				
Conway	Bridge Replacement: North Poland Road over the South River. (Bridges Numbers C-20-004 and C-20-005)			\$4,049,021 (includes 4% inflation rate) (\$3,200,000 Original Estimate) Funding: FABP		
Deerfield	Bridge Rehabilitations: North and south bound bridges on Interstate-91 over the Deerfield River, Lower Road and Stillwater Road. (Projis Number 603478) (Bridges Numbers D-06-044 and D-06-045) Advertise Date (7/9/11)	\$40,000,000 Funding: FABP	\$6,489,600 (includes 4% inflation rate) (\$6,240,000 Original Estimate) Funding: FABP			

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Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Deerfield	Bridge Reconstruction: Route 116 over the Mill River. (Projis Number 605732) (Bridge Number. D-06-030)	\$1,600,000 Funding: FABP				
Deerfield	Bridge Preservation: McClelland Farm Road over railroad. (Projis Number 602320) (Bridge Number. D-06-023)	\$4,528,100 Funding: FABP				
Erving	Bridge Replacement: Church Street bridge over Keyup Brook. (Projis Number 603604) (Bridge Number. E-10-011) (Estimated bid date 2015)	\$1,820,900 Funding: FABP				
Erving	Bridge Reconstruction: Farley Road over the Millers River. (Projis Number 605295) (Bridge Number. E-10-006)	\$5,696,144 Funding: FABP				
Greenfield	Bridge Reconstruction: Interstate-91 over 5/10 (Bernardston Road). (Projis Number 605300) (Bridge Number. G-12-042)	Not sure of amount 2015 Funding: NHS/IM				
Greenfield	Bridge Rehabilitation: Eunice Williams Covered Bridge over the Green River. (Projis Number 601894) (Bridge Number G-12-10)	\$2,500,000 Funding: FABP				

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Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Greenfield and Gill	Bridge Rehabilitation: Route 2 at Factory Hollow bridge over Falls River. (NEW Projis No. 606442 and OLD Projis No. 603504) (Bridges Numbers G-04-003and G-12-004)	\$7,968,066 Funding: FABP				
Greenfield and Montague	Bridge Rehabilitation: General Pierce Bridge on Montague Road over the Connecticut River. (Projis Number 601186) (Bridge Numbers G-12-020 and M-28-001).	\$19,937,400 Funding: FABP				
Hawley	Bridge Replacement: Savoy Road over the Chickley River. (Projis Number 604830) (Bridge Number H-13-003)	\$4,083,744 Funding: FABP				
Heath	Bridge Replacement: Dell Bridge over Route 8A. (Bridge Number H-14-001).		\$1,456,000 (includes 4% inflation rate) (\$1,400,000 Original Estimate) Funding: FABP			

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Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Heath	Bridge Replacement: Sadoga Road over Burrington Brook. (Bridge Number H-14-009).		\$700,897 (includes 4% inflation rate) (\$673,939 Original Estimate) Funding: FABP			
Montague and Gill	Bridge Rehabilitation: Gill-Montague Bridge over the Connecticut River. (Projis Number 601585) (Bridge Numbers G-04-010 and M-28-031)	\$25,000,000 Funding: FABP	\$790,400 (includes 4% inflation rate) (\$760,000 Original remaining AC Amount) Funding: FABP			
Northfield	Bridge Replacement: Birnam Road over Mill Brook. (Projis Number 602319) (Bridge Number N-22-010)	\$600,000 Funding: FABP				
Orange	Bridge Replacement: Logan Road. (Projis number 603727) (Bridge Number O-03-001)	\$1,300,000 Funding: FABP				
Orange	Bridge Replacement: Brookside Road over Pan Am Railroad. (Projis number 604881) (Bridge Number O-03-015)	\$3,400,000 Funding: FABP				

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Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Orange	Bridge Replacement: Route 2 over Route 202. (Projis number 606309) (Bridge Number O-03-021)	\$6,259,804 Funding: FABP				
Bernardston	Road Resurfacing: I-91 south and northbound lanes. (Projis No. 606173)	\$9,103,500 Funding: NHS/IM				
Deerfield	Road Resurfacing: I-91 south and northbound lanes. (Projis No. 605595)	\$14,815,680 Funding: NHS/IM				
Ashfield	Retaining wall replacement: Route 116 along the South River at 2 locations. (Projis number 606411 Advertising Date: 10/3/2011)	\$2,943,900 Funding: RDP and Other (Earmark)				
Bernardston	Road Resurfacing and Related Work: Route 10. (Projis Number 60610)	\$2,018,578 Funding: RDP				
Buckland and Charlemont	Road Resurfacing: Route 2. (Projis Number 602316)	\$10,000,000 Funding: NHS/IM	\$10,400,000 (includes 4% inflation rate) (\$10,000,000 Original Estimate) Funding: NHS/IM			
Charlemont	Road Reconstruction: South River Road. Project includes replacing retaining walls.	\$819,000 Funding: RDP				

Estimated Project Costs

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Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Buckland	Road Reconstruction and Minor Widening: Conway Street, South Street and Conway Road. (Projis Number 606463) Advertising Date: 10/18/2014	\$5,160,000 Funding: RDP				
Conway	Retaining Wall Replacement: Route 116 along the South River at 2 locations. (Projis number 80822) Advertising Date: 10/15/2014	\$3,300,000 Funding: RDP				
Erving	Design and Construction of Safety Improvements: Route 2 in Erving Center. (Projis Number 604818)	\$4,000,000 Funding: NHS/IM				
Erving	Design and Construction of Safety Improvements: Route 2 in Erving in Farley Safety. (Projis No. 604959)	\$3,000,000 Funding: NHS/IM				
Erving and Northfield	Road Reconstruction: Route 63. (Projis Number 601657)	\$7,836,889 Funding: RDP				
Deerfield and Whately	Road Resurfacing: Routes 5/10. (Projis Number 606011)	\$4,000,000 Funding: SM				
Greenfield	Construction of Roundabout: Intersection of Colrain Road, Colrain Street, and College Drive. (Projis Number 606048)	\$1,600,000 Funding: Other (Regional HSIP)				

Estimated Project Costs

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		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Greenfield	Road Resurfacing: Route 2. (Projis Number 606006)	\$2,600,000 Funding: NHS/IM				
Hawley	Road Reconstruction: Route 8A (West Hawley Road) from Sears Road south to Pudding Hollow Road. (Projis Number 122950) Advertising Date: 10/25/2014	\$2,000,000 Funding: RDP				
New Salem and Shutesbury	Road Reconstruction: Route 202. (Projis Number 603820)	\$4,200,000 Funding: SM				
Montague	Road Reconstruction: Greenfield Road. (Projis Number 601657)	\$7,836,889 Funding: RDP				
Montague	Road Resurfacing: Greenfield Road. (Projis Number 601127)	\$1,750,000 Funding: RDP				
Montague	Road Reconstruction: Montague City Road. (Projis No. 603876).	\$3,520,000 Funding: SM				
Northfield	Road Reconstruction: Route 63(Main Street). (Projis Number 604820)	\$1,300,000 Funding: SM				
Orange	Road Reconstruction: North Main Street. (Projis Number 603371)	\$2,922,556 Funding: RDP				

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		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Deerfield and Whately	Intersection and signal improvements: At the intersection of Routes 5/10/116 and at Exit 24 Northbound off of I-91. (Projis Number 606217)	\$486,507 Funding: RDP (HSIP)				
Region-wide	Regional HSIP Improvements at various locations	\$1,269,875 Funding: HSIP target for 5 years				
Orange Municipal Airport	Complete short-term projects identified in the Orange Municipal Airport's Capital Improvement Plan to rehabilitate the terminal apron, build new hangars, and construct new taxiway.	\$4,606,000 Funding: Airport				
Orange Municipal Airport	Construct a new snow removal equipment building and rehabilitate Runway 14-32.		\$1,248,000 (includes 4% inflation rate) (\$1,200,000 Original Estimate) Funding: Airport			
Turners Falls Municipal Airport	Reconstruct and extend the current runway (runway 16-34)	\$7,000,000 Funding: Airport				

Estimated Project Costs

The abbreviations used in the table to describe the funding source are the following:
 MIP – Major Infrastructure Projects, FABP - Federal Aid Bridge Projects, NHS/IM – National Highway System/Interstate Maintenance, SM – Statewide Maintenance, RDP– Regional Discretionary Program, Other

Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Turners Falls Municipal Airport	Reconstruct parallel taxiway; extend the apron, remove on-airport tree obstructions; install an obstruction light on Country Hill, and acquire land for airport expansion.	\$2,500,000 Funding: Airport				
Turners Falls Municipal Airport	Implement mid-term projects identified in the Turner's Falls Municipal Airport's CIP to purchase new ground equipment, install an automated weather observing system, and replace and relocate the airport's locating beacon.		\$1,560,000 (includes 4% inflation rate) (\$1,500,000 Original Estimate) Funding: Airport			
Turners Falls Municipal Airport	Continue pursuing long-term improvement projects at the Turners Falls Municipal Airport including the construction of up to 26 new airport hangars.		\$1,560,000 (includes 4% inflation rate) (\$1,500,000 Original Estimate) Funding: Airport			
Greenfield	Develop the Franklin Regional Transit Center in Greenfield as a hub for bus and potential passenger rail service.	\$9,000,000 Other Earmark ARRA				
Whately	Park and Ride Lot at the intersection of Route 116, 5 and 10. (Projis Number 604222)	\$1,324,885 Other: Statewide CMAQ				

Estimated Project Costs

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MIP – Major Infrastructure Projects, FABP - Federal Aid Bridge Projects, NHS/IM – National Highway System/Interstate Maintenance, SM – Statewide Maintenance, RDP– Regional Discretionary Program, Other

Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Region-wide	Pursue funding to expand FRTA routes to include additional daily runs and weekend hours.	To be determined	To be determined	To be determined	To be determined	To be determined
Greenfield, Deerfield, Sunderland	Provide better and more frequent service between GCC and UMASS-Amherst.	To be determined	To be determined	To be determined	To be determined	To be determined
Region-wide	Coordinate with the Franklin Regional Transit Authority on the site design and development of the rail platform at the Franklin Regional Transit Center in Greenfield.	\$1,900,000 Funding: Other (Earmark)				
Erving and Wendell	Pursue funding to complete the design work for the Erving-Wendell Bike Path.		\$2,080,000 (includes 4% inflation rate) (\$2,000,000 Original Estimate) Funding: RDP			
Montague	Construct a bicycle and pedestrian bridge over the Boston and Maine Railroad tracks on Greenfield Road in Montague. (Projis Number project 604696)	\$2,000,000 Funding: Other (Earmark)				
Region-wide	Install additional Franklin County Bikeway Logo signs, on the newly identified segments of the Franklin County Bikeway network as outlined in the <i>Franklin County Bikeway Plan Update (2009)</i> .	\$200,000 Funding: RDP				

Estimated Project Costs

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Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Region-wide	Update and reprint the maps of the Franklin County Bikeway.	\$6,000 Funding: Other (Planning Funds)	\$6,240 Funding: Other (Planning Funds)	\$6,487 Funding: Other (Planning Funds)	\$6,746 Funding: Other (Planning Funds)	\$7,016 Funding Other (Plann-ing Funds)
Region-wide	Work with partner regional planning agencies to create a bicycle map for the tri-state (Massachusetts, New Hampshire, and Vermont) area of the Connecticut River Scenic Farm Byway.	\$20,000 Funding Other (Scenic Byway Discretionar y)				
Buckland	Construct a sidewalk to Mohawk Trail Regional High School and Middle School along Route 112 and North Street.	\$15,000 Funding: RDP				
All Byways in Franklin County	Implement the western Massachusetts Scenic Byways Promotional campaign.	\$1,096,630 Funding Other (Scenic Byway Discretionar y)				
Northfield, Montague, Erving, Sunderland	Update Connecticut River Byway Corridor Management Plan.	\$85,000 Funding Other (Scenic Byway Discretionar y)				

Estimated Project Costs

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Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Greater Connecticut River Scenic Byway Area	Develop a tri-state bicycle route map for the Connecticut River Scenic Farm Byway working with the other planning regions and state planning offices in New Hampshire and Vermont.	\$50,000 Funding Other (Scenic Byway Discretionary)				
Region-wide	Create advertisements to be used in bicycling magazines and websites promoting bicycling in Franklin County.	\$20,000 Funding: Other (planning funds)	\$20,800 Funding: Other (planning funds)			
Mohawk Trail Scenic Byway	Continue work to permanently protect scenic and agricultural lands along the scenic byways by purchasing conservation restrictions, agricultural preservation restrictions, and/or fee interest from willing landowners.	\$1,500,000 Funding Other (Scenic Byway Discretionary)	\$208,000 Funding Other (Scenic Byway Discretionary)	\$265,000 Funding Other (Scenic Byway Discretionary)	\$320,000 Funding Other (Scenic Byway Discretionary)	\$400,000 Funding Other (Scenic Byway Discretionary)
Connecticut River Scenic Byway	Continue work to permanently protect scenic and agricultural lands along the scenic byways by purchasing conservation restrictions, agricultural preservation restrictions, and/or fee interest from willing landowners.	\$200,000 Funding Other (Scenic Byway Discretionary)	\$208,000 Funding Other (Scenic Byway Discretionary)	\$265,000 Funding Other (Scenic Byway Discretionary)	\$320,000 Funding Other (Scenic Byway Discretionary)	\$400,000 Funding Other (Scenic Byway Discretionary)

Estimated Project Costs

The abbreviations used in the table to describe the funding source are the following:
MIP – Major Infrastructure Projects, FABP - Federal Aid Bridge Projects, NHS/IM – National Highway System/Interstate Maintenance, SM – Statewide Maintenance, RDP– Regional Discretionary Program, Other

Project Location	Project Description	Amount of Funding per timeframe				
		2011-2015	2016-2020	2021-2025	2026-2030	2031-2036
Route 112 Scenic Byway	Continue work to permanently protect scenic and agricultural lands along the scenic byways by purchasing conservation restrictions, agricultural preservation restrictions, and/or fee interest from willing landowners.	\$500,000 \$288,500 (already funded) Funding Other (Scenic Byway Discretionary)	\$500,000 Funding Other (Scenic Byway Discretionary)	\$200,000 Funding Other (Scenic Byway Discretionary)	\$200,000 Funding Other (Scenic Byway Discretionary)	\$200,000 Funding Other (Scenic Byway Discretionary)
Connecticut River Scenic Farm Byway in Erving	Design and construct streetscape improvements on Route 63 in Erving.	\$450,000 Funding: Other Funded through FY2004 Section 115 Appropriation				
Mohawk Trail Scenic Byway in Greenfield	Design improvements at the Upper Pioneer Valley Visitors Center in Greenfield.	\$500,000 Funding: Other Funded through FY2004 Section 115 Appropriation				
Route 116 Scenic Byway in Conway, Deerfield and Ashfield	Prepare a Route 116 Corridor Management Plan working with BRPC and PVPC. (Projis Number 605931)	\$128,106 Funding: Other FY09 Scenic Byway discretionary funds				