

Transportation Resources Appendix

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Requirement For Transportation Improvement Program (TIP)

The Transportation Improvement Program (TIP) is the product of a comprehensive, continuing and cooperative effort to improve the regional transportation system by local officials, the Montachusett Joint Transportation Committee (MJTC), the Montachusett Regional Transit Authority (MART), the Montachusett Regional Planning Commission (MRPC), the Massachusetts Highway Department (MassHighway), and the Executive Office of Transportation and Construction (EOTC). It is required to be updated annually by Federal Regulations issued jointly by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). The TIP is a prioritized listing of transportation projects proposed for implementation during a three to six federal fiscal year cycle. The agency responsible for implementing highway projects in the TIP, unless otherwise noted, is the Massachusetts Highway Department and, for transit projects, the Montachusett Regional Transit Authority.

Procedures For Development Of TIP

The MRPC staff annually develops the TIP project listing utilizing sources such as the MassHighway's Project Information System, MassHighway Districts 2 and 3, local officials, the Montachusett Joint Transportation Committee, the Long and Short Range Elements (LRE and SRE, respectively) of the Regional Transportation Plan (RTP), and Transportation Control Measures (TCMs) identified in the Transportation Element of the State Implementation Plan (TESIP). Prioritization of projects is based upon input from MassHighway regarding project design and implementation status, local prioritization from chief elected officials, fiscal constraints for the Montachusett Region and consensus vote by the MJTC. Through out this procedure, input from local citizens are reviewed and considered where appropriate in the prioritization process.

In conformance with a Public Participation Program (PPP) developed to establish the procedures utilized to ensure a "proactive public involvement process ... in developing plans and TIPs", a draft TIP is distributed for a federally mandated 30 day public review and comment period. Following completion of the 30-day review period, any comments or issues received are addressed and reflected in the final TIP. This document is then reviewed by the MJTC/MRPC and is recommended for endorsement by the Metropolitan Planning Organization (MPO) at a subsequent MPO meeting. The fully endorsed TIP is then distributed to Federal, State and local agencies and groups, including FTA, FHWA, the Environmental Protection Agency (EPA) and the Department of Environmental Protection (DEP) again in conformance with the PPP.

TIP Project Development Process

The following is summarized from the document "Process Required To Successfully Implement A City Or Town Initiated, Federal-Aid Funded Highway Project." The complete

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document, including sample request and response letters, is available on the Downloads section of the MRPC web page at www.mrpc.org

If a highway project is to be advanced, the community needs to have secured concurrence from the Massachusetts Highway Department District Highway Director and the Department's Project Review Committee. The local community should follow the process outlined below for those projects proposed on federal-aid eligible, locally maintained roadways.

1. The community becomes aware of an existing or potential transportation problem.
- 2A. The community writes to the MassHighway District Highway Director asking for assistance with the problem. The letter should include information such as a statement of why improvements are needed, a description of the proposed improvements, the level of local support for the project; and a commitment that the project will be designed by the community, and that any right-of-way acquisitions or easements will be the responsibility of the community.
- 2B. The community submits a copy of the above letter to the Metropolitan Planning Organization.
3. The MassHighway District Office investigates and reviews the request.
4. The MassHighway District Highway Director may ask the community to prepare a Project Justification Report.
5. The community submits a Project Justification Report (if required), which is prepared at local expense, to both the MassHighway and the Regional Planning Agency.
6. The community and the RPA meet with the MassHighway District Office to discuss potential priority for the project. The District may make a recommendation to the municipality to hold an informational meeting to determine the degree of community support (and level of opposition).
7. The MassHighway District Office reviews the Project Justification Report and evaluates the local support for the project. If the District concurs with the project need, it will then submit a favorable request to the Project Review Committee (PRC) of MassHighway.
8. The MassHighway PRC approves or disapproves the proposed project.
9. The MassHighway District notifies the community and the MPO in writing if the project is approved by the PRC. (Or the District Office will notify the community if the project is not considered viable as a Department-sponsored project and that it is more suitable as a Chapter 90 project).
10. Following MassHighway project approval, the community should contact their MPO to request that the project be placed on the TIP.
11. The MPO considers the project in terms of regional needs and compliance with the Regional Transportation Plan.
12. The MPO votes on approving the project for inclusion in the Draft Regional TIP, which is presented to the public for review.
13. The MPO votes on approving the project for inclusion in the Final Regional TIP, which includes revisions based on public input.

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14. The community hires a design consultant (or uses the community's municipal engineer) to prepare the necessary construction documents, including any necessary environmental documents. The design engineer prepares the documents and submits them to MassHighway for approval. Depending on the complexity of the project, submittals may be required at the 25%, 75% and 100% design phase.
15. MassHighway advertises the project for construction.
16. MassHighway awards the contract for the project to the qualified low bidder.
17. A notice to proceed is issued to the Contractor allowing construction activities to begin.

Segment Level Recommended Pavement Management Actions

Road Name	Repair	PCI	Benefit Value	Survey Date		Grand Total
				1997	1998	
Chestnut Hill Ave	Preventative	77	130		\$3,873.00	\$3,873.00
		78	128		\$20,332.00	\$20,332.00
	Reconstruction	53	54		\$414,789.00	\$414,789.00
		63	227		\$11,331.00	\$11,331.00
		65	220		\$36,548.00	\$36,548.00
		66	216		\$26,695.00	\$26,695.00
	None Required Yet	95	0		\$0.00	\$0.00
		100	0		\$0.00	\$0.00
Chestnut Street	Preventative	79	127	\$5,954.00		\$5,954.00
	Reconstruction	69	207	\$5,750.00		\$5,750.00
Crescent Street	Preventative	78	128	\$3,074.00		\$3,074.00
		79	127	\$3,551.00		\$3,551.00
	Reconstruction	69	207	\$24,472.00		\$24,472.00
Daniel Shays Highway	None Required Yet	95	0	\$0.00		\$0.00
		99	0	\$0.00		\$0.00
Exchange Street	Preventative	76	132	\$16,940.00		\$16,940.00
	Reconstruction	66	216	\$9,862.00		\$9,862.00
Hapgood Street	Reconstruction	66	216	\$15,731.00		\$15,731.00
		69	207	\$14,903.00		\$14,903.00
Lenox Street	Routine Maintenance	89	75		\$10,757.00	\$10,757.00
		90	74		\$6,897.00	\$6,897.00
Main Street	Preventative	67	15	\$1,524.00		\$1,524.00
	Reconstruction	67	213	\$2,133.00		\$2,133.00
	None Required Yet	100	0	\$0.00		\$0.00
Mount Pleasant S	Reconstruction	57	50	\$27,899.00		\$27,899.00
North Orange Road	Preventative	79	127	\$5,164.00		\$5,164.00
		80	125	\$28,748.00		\$28,748.00
	Reconstruction	57	50	\$122,807.00		\$122,807.00
Off Ramp Route 2	Preventative	79	127		\$6,484.00	\$6,484.00
Partridgeville Road	Preventative	78	128	\$8,093.00		\$8,093.00
	None Required Yet	100	0	\$0.00		\$0.00
Pequoig Avenue	Preventative	78	128		\$9,853.00	\$9,853.00
	Reconstruction	57	50		\$68,973.00	\$68,973.00
		67	213		\$12,201.00	\$12,201.00
Petersham Road	Preventative	78	256		\$30,973.00	\$30,973.00
		82	244		\$51,393.00	\$51,393.00
		88	227		\$6,333.00	\$6,333.00
Pinedale Avenue	Preventative	77	130		\$8,715.00	\$8,715.00
		80	125		\$2,378.00	\$2,378.00
		88	114		\$23,876.00	\$23,876.00

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Road Name	Repair	PCI	Benefit Value	Survey Date	Grand Total	
Pleasant Street	Routine Maintenance	89	75	\$7,604.00	\$7,604.00	
		90	74	\$12,512.00	\$12,512.00	
	None Required Yet	95	0	\$0.00	\$0.00	
		99	0	\$0.00	\$0.00	
Riverbend Street	Preventative	78	128	\$4,358.00	\$4,358.00	
		81	123	\$2,261.00	\$2,261.00	
		82	122	\$1,761.00	\$1,761.00	
		88	114	\$2,053.00	\$2,053.00	
	Routine Maintenance	89	75	\$1,266.00	\$1,266.00	
School Street	Reconstruction	64	223	\$36,663.00	\$36,663.00	
		66	216	\$7,803.00	\$7,803.00	
Silver Lake Street	Preventative	78	128	\$25,959.00	\$25,959.00	
		79	13	\$8,741.00	\$8,741.00	
	Reconstruction	69	207	\$23,716.00	\$23,716.00	
South Athol Road	Preventative	82	122	\$7,424.00	\$7,424.00	
	Routine Maintenance	89	75	\$31,149.00	\$31,149.00	
	None Required Yet	94	0	\$0.00	\$0.00	
South Main Street	Routine Maintenance	89	150	\$7,920.00	\$7,920.00	
	None Required Yet	94	0	\$0.00	\$0.00	
South Street	Preventative	73	14	\$4,694.00	\$4,694.00	
		75	13	\$3,517.00	\$3,517.00	
			133	\$1,758.00	\$1,758.00	
		76	13	\$7,454.00	\$7,454.00	
	Reconstruction	66	216	\$3,080.00	\$3,080.00	
Templeton Road	None Required Yet	94	0	\$0.00	\$0.00	
Traverse Street	Reconstruction	60	48	\$41,028.00	\$41,028.00	
Tunnel Street	Reconstruction	67	213	\$4,517.00	\$4,517.00	
Wellington Street	None Required Yet	94	0	\$0.00	\$0.00	
West Royalston Road	Preventative	78	128	\$2,344.00	\$2,344.00	
	Reconstruction	57	50	\$744,147.00	\$744,147.00	
		68	210	\$12,938.00	\$12,938.00	
		69	207	\$12,815.00	\$12,815.00	
				\$1,263,360.00	\$805,128.00	\$2,068,488.00

Intersection Accidents in Athol 1993-2001 (excluding Route 2 and Main Street)

Street / Location Names	# of Accidents	Street / Location Names	# of Accidents
Riverview Ave & S Athol Rd	4	Doe Valley Rd & Woodlawn Rd	1
Chestnut Hill Ave & Townsend Rd	3	Elizabeth St & Sanders St	1
Crescent St & Fish St	3	Ernest/Lenox Sts	1
Crescent St & Silver Lake St	3	Everett Ave And Swanzey	1
Lenox St & Pinedale Ave	3	Exchange St & Ridge Ave	1
Partridgeville Rd & S Athol Rd	3	Fairview Ave & S Athol Rd	1
Bryant St & Spring St	2	Fish St & Silver Lake St	1
Chestnut Hill Ave & Crescent St	2	Gibson Dr & Lake Ellis Rd	1
Chestnut St & Sanders St	2	Hapgood/ Tunnel St	1
Daniel Shays Hwy & Dewey	2	Hapgood/Cottage	1
Daniel Shays Hwy & Partridgeville Rd	2	Harugari And Hapgood St	1
Daniel Shays Hwy/ Glendale	2	Hillside Terrace	1
Exchange And Pequog	2	Intervale Ave & Lenox St	1
Freedom St & South St	2	Ivy Dr & Pleasant St	1
Harvard Ave & Swanzey St	2	Kelton St & Pleasant St	1
Lincoln Ave & Unity Ave	2	Lake & Crescent St	1
Pinedale Ave & Pond St	2	Lenox St & Lincoln Ave	1
South St & Tunnel St	2	Lenox St & Locke Ave	1
Allen St & Park Ave	1	Morton St & S Athol Rd	1
Beacon St & Hapgood St	1	Pinedale Ave/ Lenox	1
Bigelow Rd & New Sherborn Rd	1	Ridge Ave & Shore Dr	1
Bridge St & Chestnut Hill Ave	1	Riverbend St & School St	1
Brown St & School St	1	Rt 2A & Brookside	1
C.H.A./Crescent	1	S Athol Rd & Stratton Rd	1
Carbon St & Tunnel St	1	S Athol Rd/Partridgeville	1
Carpenter Rd & White Pond Rd	1	Sanders St & Swanzey St	1
Coolidge St & Daniel Shays Hwy	1	Sanders St And Chestnut	1
Cottage St & Hapgood St	1	School & High St	1
Cottage St & School St	1	School & Riverbend St	1
Crescent St & Leonard St	1	South Athol & River View	1
Crescent St & Orange St	1	South St & Traverse St	1
Cummings Rd & S Athol Rd	1	Summer St & Winter St	1
Doe Valley Rd & Pleasant St	1	Union St & Walnut St	1

Locations and Owners of Bridges in Athol

Bridge No.	Over	Under	Year Built /Rebuilt	AASHTO Rating	Owner
A15001	Other Dum369000009	Other Replaced By A15018	1850 /1900	28	
A15002	Hwy Brookside Rd	West Brook	1909/1926	43	Town
A15003	Other Dum231000004	Other Replaced By A15020	1850/1900	28	
A15004	Hwy Morgan Ave	South Athol Pond Outlet	1979	85.5	Town
A15005	Hwy Washington Ave	South Athol Pond Outlet	1940	79.5	Town
A15006	Route 2A S. Main St	Millers River	1922	49.8	MassHighway
A15007	Hwy Exchange St	Millers River	1939	76.3	Town
A15008	Hwy Crescent St	Millers River	1937	32.9	Town
A15009	Route 32 Chestnut Hill Ave	Millers River	1850/1921	12.4	Town
A15010	Other Removed	Other Removed	1850/1900	28	
A15011	Other Removed	Other Removed	1850/1900	28	
A15012	Route 32 Chestnut Hill	RR B& MRR	1995	70.8	MassHighway
A15012	Other Removed	Other Replaced By ADB	1895	28.3	MassHighway
A15013	Route 2A Main St	RR BMRR		68.8	MassHighway
A15014	RR B & M RR	Hwy School St	1925	30	Railroad
A15015	Hwy Dan Shay Hwy	Rr Bmrr	1990	91.6	MassHighway
A15016	Hwy Pinedale Ave	East Branch Tully River	1937	50.6	Town
A15017	Hwy Logan Road	East Branch Tully River	1937	36.6	Town
A15018	Route 2A	West Brook	1930	77.6	MassHighway
A15019	Hwy Chestnut St	Mill Brook	1955	20.1	Town
A15020	Hwy Daniel Shays	Millers River	1935	84.3	MassHighway
A15021	Hwy Daniel Shays	Lake Rohunta Outlet	1955	73.1	MassHighway
A15022	Hwy Whites Pond R	Whites Pond Out	1923	23.4	Town
A15023	Hwy New Sherborn R	Riceville Brook	1941	2	Town
A15024	Hwy South Athol Road	Riceville Brook	1941		Town
A15025	Other Not Built	Other A15025= O03018	1850/1900	28	
A15026	Hwy Doe Valley Road	Ellinwood Brook	1993	31.8	Town
A15027	Hwy New Sherborn Road	Ellinwood Brook	1941	82	Town
A15028	Other Not Built	Other Not Built	1850/1900	8	
A15029	Route 32 Petersham Rd	Mill Brook	1950		MassHighway
A15030	Route 2	Lake Rohunta	1955	50.5	MassHighway
A15031	Hwy Pleasant St	US 202 & Route 2	1954	93	MassHighway
A15032	Route 2	Route 32	1956	82.9	MassHighway
A15033	Route 2	Hwy White Pond Rd	1954	65.5	MassHighway
A15034	Route 2	Hwy South Athol Rd	1954	71.9	MassHighway
A15035	Route 2	Swamp	1954	92.3	MassHighway
A15036	Other Not Built	Other Not Built	1850/1900	28	
A15037	Hwy South Athol Rd	Ellinwood Brook	1980	31.5	Town
A15038	Other Not Built	Other Not Built	1850/1900	28	
A15039	Other Not Built	Other Not Built	1850/1900	28	
A15040	Other Not Built	Other Not Built	1850/1900	28	
A15041	Other Not Built	Other Not Built	1850/1900	28	
A15042	Hwy South Athol Rd	Mill Brook	1940/1980	29.1	Town
A15043	Route 32 Tully Dam	East Br. Tully River Spillway			ACOE
A15043	MA Route 32	Spillway Channel	1948	78.4	ACOE
A15044	RR B& MRR	Hwy Tunnel St	1910	30	Town
A15045	Hwy Canal Street	Mill Brook	1993	90.2	Town
A15046	Hwy South Street	Mill Brook	1993	80	Town
A15047	Hwy Freedom St	Mill Brook	1988	40.7	Town
A15098	Hwy Freedom St	Abandoned Canal	1938	31.5	Town
A15099	Hwy Exchange St	Underground Brk	1988	28.3	Town