

Breakdown of Tasks to Bring the Current Plan to the 25% Design Phase of MassDOT Standards

MassDOT Task Item	Description	cost*
151	Early Environmental Coordination Design Submission Checklist	\$ 5,000
152	Historical/Archaeology (Federal Section 106 and State Chapter 254)	\$ 500
154	Hazardous Materials Research/Reivew	\$ 400
155	Project Development Meetings and Public Hearings	\$ 2,000
157	NEPA - Categorical Exclusion (CE)	\$ 4,000
158	NEPA Environmental Assessment (EA)	\$ 8,000
163	MEPA - Environmental Notification Form (ENF)	\$ 8,000
170 or 171	USACE Section 4040 General Permit (PGP); USACE Individual Section 4040 Permit	\$ 6,000
173 or 174/175	Programatic Section 4(f) Evaluations; Draft Individual Section 4(f) Evaluation; Final Individual Section 4(f) Evaluation	\$ 5,000
176	Wetland Resource Area Delineation	\$ 3,000
177	WPA Abbreviated Notice of Resource Area Determination (ANRAD)	\$ 1,500
179	WPA Notice of Intent (NOI)	\$ 8,000
182	Water Quality Certification	\$ 1,000
187	Impaired Waterbody Assessment and Water Quality Data Form	\$ 500
200	Functional Design Report	\$ 8,000
220	Design Exception Report	\$ 8,000
301	Project Initiation and Data Compilation	\$ 2,000
302	Utility Coordination	\$ 3,000
303-306	Survey Coordination and Controls; Base Plans, profiles, and typical sections; Field Reconnaissance; Plot Existing Layout Lines	\$ 28,000
307	Meetings and Liaison	\$ 2,000
309	Preliminary Horizontal Geometry	\$ 4,000
310-312	Preliminary Vertical Geometry; Cross Section Studies; Prepare Cross Sections	\$ 14,000
313	Plot Proposed Layout and Easements	\$ 2,000
314	Pavement Design	\$ 2,000
315	Typical Sections	\$ 2,000
316	Construction Details	\$ 2,000
318	Preliminary Drainage and Utility Studies	\$ 24,000
320	Traffic Signals	\$ 15,000
321	Signs and Pavement Markings	\$ 4,000
322	Traffic Management	\$ 2,000
324	Constructability Review	\$ 1,000
325	Quality Control Review	\$ 6,000
326	Preliminary Construction Estimate	\$ 6,000
327	Submission Checklist	\$ 1,500
328	Modificaitons and Revisions	\$ 6,000
330	Construction Contract Time Determination	\$ 1,000
350-351	Design Public Hearing; Hearing Preparation	\$ 5,000
	preliminary ROW	\$ 25,000
	coring/boring	\$ 25,000
	printing	\$ 1,500
	mileage	\$ 1,000
	police	\$ 5,500
	misc	\$ 2,000
	Total for Completion of 25% Design Plans	\$ 261,400
	Say	\$ 265,000
	20% Contingency	\$ 318,000.0

may not be required

may not be required

*cost based on \$100/hr

Acton – Kelley's Corner

Preliminary Implementation & Phasing Plan

Estimated Construction Cost - \$8 M

* Estimates are based on 2015 pricing and does not include soft costs.



MassDOT now plans to replace all signal equipment as part of Flashing Yellow Arrow Retrofit

Potential Funding Sources

MassWorks – Infrastructure Grant Program Administered Locally. Grants size range but \$2 M would be a sizable grant. Politically Driven. Must support Economic Development Objectives.

Preparing communities for success

TIP – State Transportation Improvement Plan. Large Projects. MassDOT Administered. Process involving Project Review Committee's, Regional Planning Agencies.

Project Selection Advisory Council - establish uniform project selection criteria

Local Dollars

\$8M Details

- \$2.1 M Roadway
- \$1.2 M Sidewalk
- \$0.5 M Walls
- \$0.5 M Signals
- \$1.6 M Landscape
- \$0.5 M Utility Poles
- 25% Contingency

Acton – Kelley's Corner

Components

Massachusetts Avenue



- \$5.4 M
- State Owned
- TIP

Main Street Approaches & New Signals



- \$2 M
- Acton Owned
- MassWorks

Community Lane

- \$600,000
- Privately Owned
- Local Funds

