

MART DOT Funded Projects from 2021-2023

The following projects will be completed during the time period of Fiscal Years 2021-2023 and will be accomplished with DOT financial assistance. A short description of each project is followed by a table which shows the details of how it relates to this DBE goal submission. Table 1 provides the following information: Project Name, NAICS codes, total firms in our region (as established by 2018 Census Data for County Business Patterns in Massachusetts and neighboring counties in New Hampshire and Connecticut), number of DBE firms on the Massachusetts SDO Certified Business Directory, the federal value of the project, the weight of federal dollars per project against total federal dollars, percentage of available DBE's to total Firms, the Base number for weight of the project times availability, the year of award and the year of completion. (Please note that the federal value shown for this report is only 80% of the total value of the project.)

FY21

Rehab of Fitchburg Admin/Maintenance Facility	Install CO2/NO system into bus storage and maintenance bays. This will automatically trigger exhaust Fans to turn on when CO2 or NO levels reach safety targets. Install exhaust vents to tie into system. Strip and paint walls and repair/replace steel wrappings around I-Beam Columns between garage doors. Add Gas-Packs to this since shifted from FY20.
This one project can be split into the following 4 smaller projects (in order of priority):	<i>Install CO2/NO system w/ Automatic Ventilation System w/ make-up air</i>
	<i>Repair/replace steel wrappings around I-Beam Columns between garage doors</i>
	<i>Strip and paint walls in storage and wash bays, seal floor</i>
	<i>Install Gas packs in storage area; disconnect plumbing and decommission boiler</i>
Rehab Fitchburg Intermodal Center	Repair, sandblast, paint & seal steel frame which is rusting and streaking down side of building.
Replace/Upgrade IT Related Support Equipment	AVL Server overhaul (ITMS 8.0), Security Cameras, Platform SW Upgrades, Computer Upgrades
Rehab Leominster Admin/Storage Facility	Replace entire roof and Air Handling Unit (AHU) over 840 N. Main original building. Original pebble roof which is leaking in spots.
New Automatic Passenger Counters (45)	Install APCs in entire fixed route fleet - this will include large transit buses (23 dual door) and smaller shuttle buses (22 single door). This will provide solid passenger counts as well as PMT. Could tie AVL function to system.
Rehab Gardner Maintenance Facility	Repair collapsed underground storm drain and seal pavement around facility.
Rehab Fitchburg Admin/Maintenance Facility - Pavement	Seal asphalt pavement and re-stripe parking areas around entire facility. Re grind and pave employee parking area behind the building with fence between lot and neighboring property.
This project will also be split into the following Subprojects:	<i>Clear trees and grade land</i>
	<i>Fence</i>
	<i>Pavement, sealing and re-striping</i>
Replacement Engines on 35' Buses (2)	Two of the five 2007 Gillig buses still need engine replacements. The other 3 were done in FY18. 2007 Cummins engines have known problems.
Rehab Fitchburg Admin/Maintenance Facility - Stairs	Stairs in back of building need replacing as some of the concrete is crumbling creating an unsafe environment at this employee entrance.
Rehab Fitchburg Admin/Maintenance Facility - Fire Safety	Replace fire panel in basement as it is overloaded. This will require replacement of all fire safety related devices, such as but not limited to, smoke detectors.

Acquire - Support Vehicles	Replace current road supervisor/car-pool staff support vehicle. Current small fleet consists of 1 2005 car and 1 2009 SUV. This will help SGR.
Shop Equipment	Eliminate bus parallelogram and two-post lift. Replace two older 4-post lifts with rolling jacks. Purchase four 4-post lifts w/ jacks to replace these items. Also new reel systems w/piping and new guns. All new pumps in lube room.
Rehab Gardner Maintenance Facility	Have Structural engineer do analysis of floor in maintenance and vehicle storage bays. Repair floor in accordance with guidance.
Rehab/Reno Historic Mass Transp. Bldg. (Incl. Ops)	Strip & repaint existing historic windows. Cover historic windows with new weather tight energy efficient whole pane windows. Fix cracking corner stones over windows.
Acquire - Mobile Fare Collection Equip	Acquire replacement Automated Fare Collection System to include fare-box hardware, sales terminals, and software enabling innovative and wide ranging fare payment capabilities.
Purchase Vehicle Locator System	Replace legacy fixed route AVL system with new analytical bus route performance and ridership tracking system that will integrate with our Automatic Passenger Counters.
5 Ford Transmissions	Purchase 5 transmissions and related items for Ford E-350 chasses

FY22

Replace/Upgrade IT Related Support Equipment	Camera safety program, network infrastructure updates, and platform updates
Rehab Maintenance Bays	Fill in Pit + Rehab Oil Disposal Area; Remove Cartridge Lift, drain hydraulics fluid, and fill in holes
Spare sewer pumps	
PURCHASE BUS SHELTERS	Purchase Bus Shelters to expand number of locations with a shelter.
Rehab Leominster Admin/Storage Facility	Reconfiguration of open space office area (old car showroom) for better utilization and increased energy efficiency. Replace single pane glass windows. Do asbestos abatement
Rehab Historic Transit Bldg - Athol Depot	Add security and fire alarm systems to Athol Depot.
Rehab Fitchburg Intermodal Center	Rehabilitate Intermodal at 100 Main St Fitchburg built in 1996. Replace roof over concourse & south pod. (North Pod done in 2017). Original roof gutters not configured correctly leading to leaks in North Pod. This project will mitigate and get warranties closed together.
Rehab Gardner Maintenance Facility	Scrape, blast cinder block, treat and paint with polymer based in Wash Bay
5 Allison B400R Transmissions	Purchase 5 Allison B400R transmissions and related items for large transit buses
5 Ford Transmissions	Purchase 5 transmissions and related items for Ford E-350 chasses

FY23

Rehab Fitchburg Parking Garage	Replace Roof on garage stairwell tower at 150 Main St, Fitchburg. Stair tower facing needs repair as well.
Rehab 150 Main St Administrative Facility	Replace generator that supports 150 Main Street facility. Old generator installed in 2005.
Rehab Fitchburg & Leominster Parking Garages	Fitchburg & Leominster Parking Garage concrete decking, plus Wachusett Parking Lot Sidewalks need resealing applied. Needs to be done every 5-7 years for proper maintenance.
Replace/Upgrade IT Related Support Equipment	Camera safety program, network infrastructure updates, and platform updates
Rehab Fitchburg Admin/Maintenance Facility - Carey St.	The parking area in the back of the facility (located at Carey St, Fitchburg) will be expanded. The wooded area will be cleared and the steep grading removed to go from 20 parking spots to nearly 50 spots. A water retention system will also be placed below the asphalt for water runoff/pollution mitigation. A set of concrete stairs will be built leading from the lower parking lot up to the lobby door for easier access.
Rehab Fitchburg Admin Facility – Public Entrance	Remove and replace cobblestone walkway to front entrance
5 Ford Transmissions	Purchase 5 transmissions and related items for Ford E-350 chasses

Table 1

Project Description	NAICS	# of Firms	# DBE's	Federal Value	% total weight	Rel. Availability	Weighted Base	Fiscal Year of Award
New Automatic Passenger Counters (45)*	541512	0	22	\$160,000	0.0308	0.0000	0.0000	2021
Rehab Fitchburg Intermodal Center - Exterior	238190	3	127	\$40,000	0.0077	0.0236	0.0002	2021
Rehab Fitchburg Admin/Maintenance Facility - Stairs	238110	9	385	\$8,000	0.0015	0.0234	0.0000	2021
Rehab/Reno Historic Mass Transp. Bldg. - Windows	238150, 238320	10	1087	\$37,120	0.0071	0.0092	0.0001	2021
Acquire - Support Vehicles	441110	0	607	\$32,000	0.0062	0.0000	0.0000	2021
Rehab Fitchburg Admin/Maintenance Facility - Pavement	238910, 238990, 541330	133	4150	\$200,000	0.0384	0.0320	0.0012	2021
Replacement Engines on 35' Buses (2)	423120	2	300	\$40,000	0.0077	0.0067	0.0001	2021
Rehab Gardner Maintenance Facility - Floor	238110	3	385	\$120,000	0.0231	0.0078	0.0002	2021
Replace/Upgrade IT Related Support Equipment	423430	5	278	\$200,000	0.0384	0.0180	0.0007	2021
Purchase Vehicle Locator System*	541512	0	18	\$275,000	0.0529	0.0000	0.0000	2021
Acquire - Mobile Fare Collection Equip*	339999	0	21	\$1,500,000	0.2883	0.0000	0.0000	2021
Parallelogram, New Lube Pumps, Reels, & Meters	423830	0	643	\$120,000	0.0231	0.0000	0.0000	2021
Rehab of Fitchburg Admin/Maintenance Facility - Storage Bays	238220, 238290, 238320, 238990	41	6075	\$160,000	0.0308	0.0067	0.0002	2021
Rehab Fitchburg Admin/Maintenance Facility - Fire Safety	238210	12	2819	\$28,000	0.0054	0.0043	0.0000	2021
Rehab Gardner Maintenance Facility - Catch Basin	238190	3	127	\$16,000	0.0031	0.0236	0.0001	2021
Rehab Leominster Admin/Storage Facility - Roof	238160	1	450	\$400,000	0.0769	0.0022	0.0002	2021
Purchase Bus Shelters	332311	0	12	\$16,000	0.0031	0.0000	0.0000	2022
Replace/Upgrade IT Related Support Equipment	423430	5	278	\$68,000	0.0131	0.0180	0.0002	2022
Rehab Leominster Admin/Storage Facility - Office Rehab	238150, 238310, 562910	18	1008	\$200,000	0.0384	0.0179	0.0007	2022
Rehab Historic Transit Bldg - add security and fire alarm systems	238210, 561621	12	2984	\$24,000	0.0046	0.0040	0.0000	2022
Rehab Fitchburg Intermodal Center – Roof	238160	1	450	\$360,000	0.0692	0.0022	0.0002	2022
Rehab Water St. Maintenance Bays	238990	24	946	\$80,000	0.0154	0.02537	0.0004	2022
Purchase Spare Sewer Pumps	423830	0	643	\$9,000	0.0017	0.0000	0.0000	2022
Rehab Gardner Maintenance Facility - Wash Bay	238320	10	1249	\$30,000	0.0058	0.00801	0.0000	2022
Rehab Fitchburg & Leominster Parking Garages - reseal concrete	238110	9	385	\$200,000	0.0384	0.0234	0.0009	2023
Rehab 150 Main St Administrative Facility - Generator	238210	3	2819	\$40,000	0.0077	0.0011	0.0000	2023

Replace/Upgrade IT Related Support Equipment	423430	5	278	\$100,000	0.0192	0.0180	0.00035	2023
Rehab Admin/Maintenance Facility - Carey St. Parking Expansion	238910, 238990, 541330	133	4150	\$520,000	0.0999	0.0320	0.0032	2023
Rehab Fitchburg Parking Garage - Stair Tower	238390	3	170	\$40,000	0.0077	0.0176	0.0001	2023
Rehab Fitchburg Admin/Maintenance Facility – Public Entrance	238140	12	671	\$22,000	0.0042	0.01788	0.0001	2023
Purchase Vehicle Transmissions (multiple years)	423120	2	300	\$158,000	0.0304	0.00667	0.0002	All
Total Capital				\$5,840,000				