

Methuen Fire Department



City of Methuen ADA Transition Plan

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Institute for Human Centered Design

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Background

Year Built: Late 1800's

The Methuen Fire Department is a two-story building that is located at 24 Lowell Street.

There is one (1) largely accessible entrance to the first floor on the southwest side of the building. Members of the public only have access to the first floor. Programs that occur onsite include the Methuen Day Program and the Baby Safe Program. Permitting is typically done online.

Areas surveyed include the parking lot, approach and entrance to the Fire Department, and first floor areas that are open to the public, including a single-user toilet room.

Key Accessibility Issues

Parking Lot

Accessibility issues include lack of a van accessible parking space.

Main Entrance

Accessibility issues include lack of adequate clear width at the door. Additionally, a roof support at the door both blocks the maneuvering clearance at the door and acts as a protruding object in the circulation path.

Signage

Accessibility issues include lack of designation signage with raised characters and braille at the toilet room and lack of tactile signs (with braille and raised characters) at the emergency egress. Also, if and when an illuminated sign is provided at the exit door, it should contain an International Symbol of Accessibility (ISA).

Toilet Room

Major accessibility issues include lack of an accessible toilet room with adequate clear floor space at the toilet, lack of an accessible lavatory with knee and toe clearance and lack of grab bars. Additionally, the clear width at the door to the toilet room is

less than allowed, the door hardware is not compliant and the door threshold is not beveled.

Order of Magnitude Cost Estimates

- Provide offset hinges to achieve 32" min. clear width at the entrance door: \$2,902
- Provide an automatic door opener at the main entrance: \$6,000
- Renovate the toilet room: \$31,985
- Miscellaneous corrective actions (signage, cane-detectable barriers): \$1,796

Total: \$42,683*

***Note:** IHCD is not providing costs for accessibility renovations for outdoor areas, ramps or stair handrails.

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
Approach and Entrance												
Off-Street Parking Lot or Garage												
1	Parking Lot	Ext.		Off-Street Parking Lot or Garage	Visitor		Total # of parking Van space < 132" or <96" wide Access aisle not provided Access aisle < 96" wide at van space Sign with the International Symbol of Acc. not provided Sign does not have the designation "Van Accessible"	20 - - - - -	Provide a van accessible space that is at least 96" wide with a marked access aisle that is at least 96" wide. Provide a sign with the International Symbol of Accessibility (ISA) with the bottom of the sign 60" min. above the ground and the top 96" max. above the ground. Add the designation "Van Accessible" to the sign located at the van accessible space. (Cost estimate is for the sign.)	1	500	\$500
Entrance												
2	Main Entrance	Ext.		Entrance	Main Entrance		Clear width at door is < 32" Maneuvering clearance is not provided Vertical clearance < 80" above ground	31" - -	Install offset hinges to ensure that the door has a clear width of 32 inches. The support for the roof obstructs the maneuvering clearance at the door and acts as a protruding object in the circulation path. (Cost estimate is for cane-detectable barriers on each side of door (consider providing fixed planters), an automatic door opener and providing a door with offset hinges.)	1	2902 796 6000	\$9698 9698
Access to Goods and Services												
Means of Egress												
3	Main Entrance	1		Means of Egress	N/A		Tactile exit sign not provided	-	Ensure that a tactile exit sign with raised characters and braille is provided at the exit door. Mount the sign between 48"- 60" above the finished floor located on the latch side of the door. If and when an illuminated sign is provided at the exit door, it should contain an International Symbol of Accessibility (ISA).	1	250	\$250 250
Signage												
4	Single-User Toilet Room (Bay)	1		Signage	Designation		Signage is not provided	-	Locate compliant signage with raised characters and braille alongside the door on the latch side.	1	250	\$250 250
Toilet & Bathing Rooms												

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
Overall Access												
5	Single-User Toilet Room (Bay)	1		Overall Access	Toilet Room		Accessible plumbing fixtures or stalls not provided Audible and visible alarm not provided Clear width at door < 32" Threshold not beveled Hardware not compliant	- - 29" - -	Provide an accessible single-user toilet room. Widen the door so that there is 32" min. clear width. Bevel the threshold. Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist. When fire system is updated, ensure that a visible and audible fire alarm is installed. (Cost estimate is typical for an accessible toilet room.)	1	31985	\$31985