

Fire Department



Town of Manchester-by-the-Sea ADA Transition Plan

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Institute for Human Centered Design

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Background

The Fire Department is located at 12 School Street. The Station is open to the public Monday to Fridays from 8:00 AM – 4:00 PM. Services offered to the public includes inspections, and school tours. Employee parking is located on the west side of the building and on-street parking is available on School Street.

The accessible entrance to the fire station is located on School Street. An emergency exit is located on the west side on the ground level and an employee inaccessible entrance/exit is located on the south side of the building (ground level).

The building houses fire fighters and administrative staff, a staffed service counter (near main entrance) and a meeting room in the rear. The meeting room is used for classes, training for firefighters, police and EMS. Inaccessible single-user toilet rooms are located near the main entrance and an employee men’s multi-user toilet room is located near the meeting room – this toilet room is also used by member of the public when events are being hosted at the fire station.

Key Accessibility Issues

Toilet Rooms

Accessibility issues include lack of single-user men’s and women’s toilet rooms, lack of an accessible wheelchair compartment in the multi-user toilet room and lack of an accessible urinal. Other accessibility issues include lack of insulated pipes under the lavatory and lack of faucets that do not require tight grasping, pitching or twisting of the wrist.

Signage

Accessibility issues include lack of tactile signs (braille and raised characters), lack of compliant directional signs at the inaccessible exits and inaccessible toilet rooms and lack of the illuminated International Symbol of Accessibility (ISA) at the accessible emergency exits.

Additional Accessibility Issues





- Lack of a van accessible parking space (employee parking lot).
- Lack of securely attached walk-off mats.

Order of Magnitude Cost Estimates






- Provide an accessible van parking space (accessible space, accessible access aisle and sign): \$1,850
- Provide an accessible single-user toilet room: \$26,604
- Renovate the men’s multi-user toilet room (near meeting room): \$10,764
- Provide compliant signage (directional, designation and egress signs): \$2,636
- Miscellaneous corrective actions (handrail extensions, etc.): \$1,600

Total: \$43,454





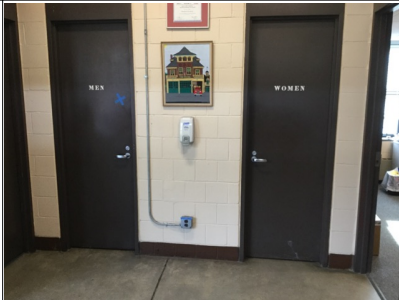
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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
Approach and Entrance												
Exterior Access Route												
1	Towards Main Entrance	Ext.		Exterior Access Route	Sidewalk		Cross slope > 1:50 (2.00%)	3.3%	Reduce cross slope to be no steeper than 1:50 (2.00%) in all directions.	1	-	\$0
Off-Street Parking Lot or Garage												
2	Parking Lot	Ext.		Off-Street Parking Lot or Garage	Employee		Total # of designated van accessible spaces Vehicle space < 132" wide at van space Access aisle < 60" wide at car/van space Sign not provided Sign does not have the designation "Van Accessible"	-	Provide a van accessible space that is at least 132" wide with an access aisle that is at least 60" wide. Provide a sign 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.	1	1850	\$1850
Exterior Ramp												
3	Main Entrance	Ext.		Exterior Ramp	N/A		Handrails do not extend 12" past top & bottom	-	Alter handrails to extend horizontally above the landing for 12" min. beyond the top and bottom of ramp runs.	2	800	\$1600
Entrance												
4	Employee Entrance	Ext.		Entrance	Secondary Entrance		Entrance not on an accessible route Directional sign to accessible entrance not provided	- -	Provide a directional sign indicating the location of the nearest accessible entrance.	1	346	\$346
Access to Goods and Services												



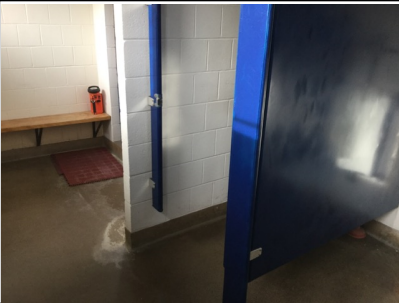
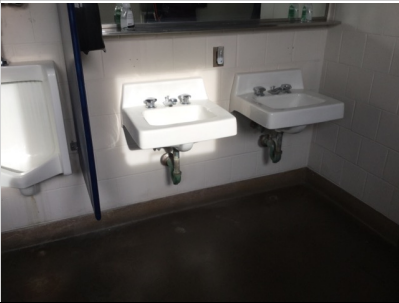
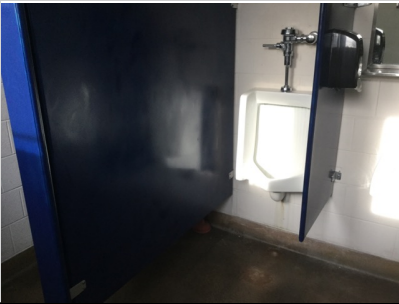
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Means of Egress												
5				Means of Egress	N/A		Tactile exit sign not provided	-	Ensure tactile exit signs with raised characters and braille are provided at exit doors. Mount signs between 48"- 60" above finished floor located on the latch side of the door.	1	232	\$232
6	Meeting Room	1		Means of Egress	N/A		Tactile exit sign not provided Directional sign to accessible emergency exit not provided	-	Ensure a tactile exit sign with raised characters and braille is provided at exit door. Mount sign between 48"- 60" above finished floor located on the latch side of the door. Provide a directional sign indicating the location of the nearest emergency exit.	1	232	\$232
7	Exit to Parking	B		Means of Egress	N/A		Tactile exit sign not provided Directional sign to accessible emergency exit not provided	- -	Ensure a tactile exit sign with raised characters and braille is provided at exit door. Mount sign between 48"- 60" above finished floor located on the latch side of the door. Provide a directional sign indicating the location of the nearest emergency exit.	1	232	\$232
8	Exit to Apparatus	B		Means of Egress	N/A		Tactile exit sign not provided Illuminated ISA symbol not provided (MAAB)	- -	Ensure tactile exit signs with raised characters and braille are provided at exit doors. Mount signs between 48"- 60" above finished floor located on the latch side of the door. Provide an illuminated International Symbol of Accessibility.	1	432	\$432
9	Towards Meeting Room	1		Means of Egress	N/A		Floor level designation not provided	-	Provide a sign on the interior of the stairway enclosure indicating the floor level.	1	232	\$232


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10	Exit	1		Means of Egress	111		Illuminated ISA symbol not provided (MAAB)	-	Provide an illuminated International Symbol of Accessibility.	1	200	\$200
Doors, Doorways, & Gates												
11	Towards Meeting Room	1		Doors, Doorways, & Gates	Meeting Room		Mat not securely attached Door requires > 5 lbs. of force to open	- 10 lbs	Secure the mat. Adjust closers so doors do not require more than 5 pounds of force to open.	2	Labor	\$0
12	Men's Toilet Room			Doors, Doorways, & Gates	Toilet Room		Door requires > 5 lbs. of force to open	-	Adjust closers so doors do not require more than 5 pounds of force to open.	1	Labor	
Signage												
13	Men's Toilet Room	1		Signage	Designation		Signage is not provided	- -	Locate compliant signage alongside the door on the latch side.	1	232	\$232
14	Men's and Women's Toilet Room	1		Signage	Designation		Raised characters not provided on sign Raised characters < 48" or > 60" above ground Sign not located on the latch side of the door Directional sign to access. toilet not provided	- - - -	Provide text with raised characters duplicated in braille on sign. Mount signs between 48" min. and 60" max. above finished floor. Locate sign alongside the door on the latch side. Install a sign indicating the location of the nearest accessible toilet room.	3	232	
Toilet & Bathing Rooms												

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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
Overall Access												
15	Women's Toilet Room	1		Overall Access	Toilet Room		Turning space not provided Accessible plumbing fixtures or stalls not provided	- -	Provide one accessible single-user toilet room.	1	24604	\$24604
16	Men's Toilet Room	1		Overall Access	Toilet Room		Turning space not provided Accessible plumbing fixtures or stalls not provided	- -	Provide one accessible single-user toilet room. See ID #15.	1	-	\$0
17	Men's Toilet Room	1		Overall Access	Toilet Room		Accessible plumbing fixtures or stalls not provided	-	Provide one accessible wheelchair compartment.	1	6182	\$6182
Lavatory												
18	Men's Toilet Room	1		Lavatory	N/A		Faucet is not operable with a closed fist Plumbing underneath is exposed Mirror above lavatory w/reflective surface > 40"	- - 48"	Provide a faucet that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist for at least one lavatory. Insulate or otherwise configure pipes to prevent contact, for at least one lavatory. Lower mirror so that the bottom surface is at 40" max. above finished floor.	1	1334	\$1334
Urinal												
19	Men's Toilet Room	1		Urinal	N/A		Rim > 17" high	-	Provide an urinal with the rim no higher than 17" above the finished floor.	1	3248	\$3248

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Best Practice												
Transfer Shower												
20	Men's Toilet Room	1		Transfer Shower	N/A			-	Recommend providing an accessible shower.	1	-	\$0