

Water Department



City of Attleboro ADA Transition Plan

June 2021



Institute for Human Centered Design

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Background

West Street Water Treatment Facility
Year Built: 1995

The water treatment facility is located at 1296 West Street and the public is allowed in areas located on the first floor, including the front foyer, the conference room, multi-user men's and women's toilet rooms, and occasionally the lunch room if the department hosts a class. The Jeffrey M. Burgess building located at the same address is not included in the assessment.

The water treatment facility has one accessible entrance and an additional accessible exit.

Public parking is provided on the east side of the water treatment facility.

Key Accessibility Issues

Parking Lots

Accessibility issues include lack of a van accessible parking space at the water treatment facility.

Signage

Accessibility issues include lack of signage with raised characters and braille at all exit doors and along egress routes and lack of designation signage with raised characters and braille at the conference room of the water treatment facility. Two (2) visual signs in the water treatment building are located lower than allowed.

Picnic Tables

Accessibility issues at the picnic area by the water treatment plant include lack of an accessible picnic table that is located on an accessible route.

Toilet Rooms

Accessibility issues within toilet rooms in the water treatment facility include unwrapped pipes under at least one lavatory in each toilet room, paper towel dispensers and coat hooks located

higher than allowed, accessible compartment doors with noncompliant hardware and malfunctioning self-closing hinges, and accessible compartment toilets that lack flush controls on the open (transfer) side of the toilet.

Additional Accessibility Issues

- A curb ramp by the entrance to the water treatment facility is not stable, firm and slip resistant due to damage at the base.
- Six (6) doors require a greater opening force than allowed.
- The reception counter in the water treatment facility lacks a portion that is no higher than 36 inches above the finished floor.
- There is no accessible route to one bench in each area at the exterior of the water treatment facility.
- The threshold at the emergency exit (Exit 2) from the water treatment facility is higher than allowed.

Order of Magnitude Cost Estimates

- Provide an accessible picnic table on an accessible route: \$1,640
- Renovate toilet rooms: \$8,260
- Miscellaneous corrective actions (repairing curb ramp surface, van accessible parking space, service counter, signage, door threshold, accessible exterior route to benches, etc.): \$3,542





Total: \$13,442

Best Practice and Inclusive Design



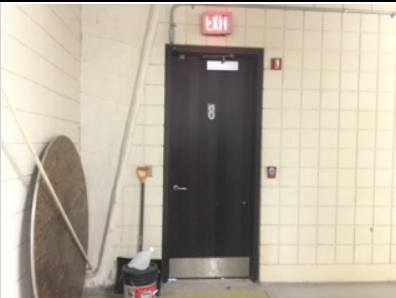


Best practice and inclusive design recommendations include elements that are not required in the standards but may create enhanced experiences for all users.

- Recommend providing a guardrail alongside path from Exit 2 alongside the water at the water treatment facility.



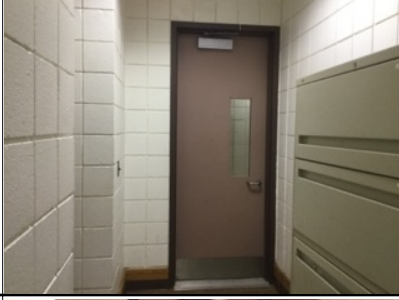
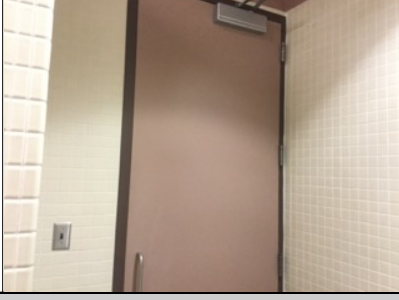

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Water Department - West Street Water Treatment Facility

ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
Approach and Entrance												
Curb Ramp												
1	Main Entrance	Ext.		Curb Ramp	N/A		Surface not stable, firm and slip-resistant	-	Repair surface.	1	144	\$144
Off-Street Parking Lot or Garage												
2	Main Entrance	Ext.		Off-Street Parking Lot or Garage	Visitor		Total # of designated van accessible spaces	-	Enlarge one accessible parking space to be a van accessible parking space. Add the designation "Van Accessible" to the sign located at the van accessible space.	1	800	\$800
Emergency Exit												
3	Main Entrance (Egress)	1		Emergency Exit	N/A		Tactile sign not provided at exit	- -	Provide tactile exit signs with raised characters and braille at exit doors. Mount signs between 48"- 60" above the finished floor located on the latch side of the door. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door.	1	232	\$232
4	Main Entrance (Egress)	1		Emergency Exit	N/A		Tactile sign not provided at exit	-	Provide tactile exit signs with raised characters and braille at exit doors. Mount signs between 48"- 60" above the finished floor located on the latch side of the door. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door.	1	232	\$232





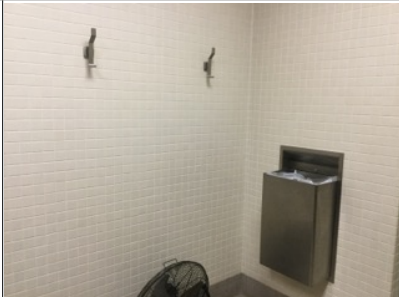
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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
5	Exit 2	1		Emergency Exit	N/A		Tactile sign not provided at exit		Provide tactile exit signs with raised characters and braille at exit doors. Mount signs between 48"- 60" above the finished floor located on the latch side of the door.	1	232	\$232
6	Exit 2	1		Emergency Exit	N/A		Illuminated Int. Symbol of Acc. not provided (MAAB)	-	When illuminated signage is replaced at this exit, provide new illuminated signage with the International Symbol of Accessibility.	1	-	\$0
7	Exit 2	1		Emergency Exit	N/A		Illuminated Int. Symbol of Acc. not provided (MAAB)	-	When illuminated signage is replaced at this exit, provide new illuminated signage with the International Symbol of Accessibility.	1	-	\$0
8	Exit 2	Ext.		Emergency Exit	N/A		Threshold > 1/2" high	1"	Alter the threshold to be 1/2" high max.	1	150	\$150
Access to Goods and Services												
Interior Access Route												
9	Corridor to Main Entrance	1		Interior Access Route	N/A		Route < 36" wide	35.5"	Ensure that a clear width of 36" min. is maintained at the accessible route. Relocate shelf.	1	Labor	\$0

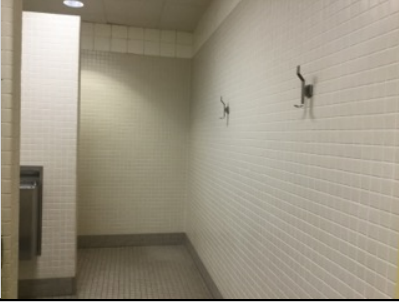



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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
Doors, Doorways, & Gates												
10	Main Entrance	1		Doors, Doorways, & Gates	Vestibule		Door requires > 5 lbs. of force to open	10 lbs.	Adjust closers so doors do not require more than 5 pounds of force to open.	1	Labor	\$0
11	Women's Toilet Room	1		Doors, Doorways, & Gates	Toilet Room		Door requires > 5 lbs. of force to open	11 lbs.	Adjust closers so doors do not require more than 5 pounds of force to open.	1	Labor	\$0
12	Route to Secondary Exit	1		Doors, Doorways, & Gates	Assembly Space		Door requires > 5 lbs. of force to open	10 lbs.	Adjust closers so doors do not require more than 5 pounds of force to open.	1	Labor	\$0
13	Men's Toilet Room	1	E	Doors, Doorways, & Gates	Toilet Room		Door requires > 5 lbs. of force to open	15 lbs.	Adjust closers so doors do not require more than 5 pounds of force to open.	1	Labor	\$0
Signage												
14	Conference Room	1		Signage	Designation		<p>Raised characters not provided on sign</p> <p>Raised characters < 48" or > 60" above ground</p> <p>Braille not provided on sign</p> <p>Sign not located on the latch side of the door</p>	- 36.5" - -	<p>Provide text with raised characters duplicated in braille on sign. Mount signs so that the baseline of the lowest tactile character is 48" min. above finished floor and the baseline of the highest tactile character is 60" max. above the finished floor.</p> <p>Locate sign at permanent rooms alongside the door on the latch side.</p>	1	232	\$232



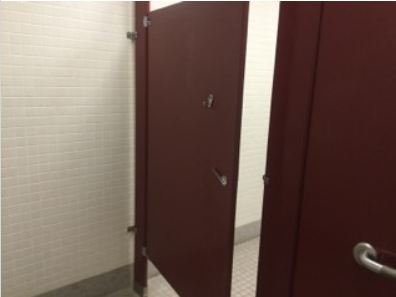


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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
15	Main Entrance - Reception	1		Signage	Designation		Visual characters < 40" above ground	34.5"	Mount visual sign so that the baseline of the lowest character is 40" min. above the finished floor.	1	Labor	\$0
16	Main Entrance	1		Signage	Informational		Visual characters < 40" above ground	34.5"	Mount visual sign so that the baseline of the lowest character is 40" min. above the finished floor.	1	Labor	\$0
17	Men's and Women's Toilet Rooms	1		Signage	Designation		Sign not located on the latch side of the door	-	Locate sign at permanent rooms alongside the door on the latch side.	2	Labor	\$0
Service Counter												
18	Main Entrance - Reception	1		Service Counter	N/A		Counter > 36" high	41.75"	Provide a counter that is 36" max. above the ground or finished floor.	1	880	\$880
Operable Parts												
19	Men's Toilet Room	1		Operable Parts	Clothes Rod/Hooks		Reach < 15" or > 48"(forward/side approach)	63.5"	Lower at least one coat hook so that it is no higher than 48".	1	150	\$150




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20	Women's Toilet Room	1		Operable Parts	Clothes Rod/Hooks		Reach < 15" or > 48"(forward/side approach)	48"	Lower at least one coat hook so that it is no higher than 48".	1	150	\$150
Picnic Tables												
21	Accessible Parking to Picnic Table	Ext.		Picnic Tables	N/A		Toe or knee clearance at tables not provided Picnic table not on an accessible route	- - -	Provide at least 1 picnic table with toe and knee clearance. Ensure that the picnic table is connected to an accessible route. (Cost estimate for 6' long 4' wide asphalt route.)	1	1640	\$1640
Exterior Benches												
22	Main Entrance	Ext.		Exterior Benches	N/A		No accessible route to one bench in area	-	Provide an accessible route to one bench in this area. (Cost estimate for 10' long 4' wide asphalt route.)	1	400	\$400
23	South Side of Building	Ext.		Exterior Benches	N/A		No accessible route to one bench in area	-	Provide an accessible route to the bench. (Cost estimate for 6' long 4' wide asphalt route.)	1	240	\$240
Toilet & Bathing Rooms												

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ID	Location	Floor	Room	Element	Type	Photo	Issues	Current Measure	Recommendations	Quantity	Price	Cost Estimation
Lavatory												
24	Men's Toilet Room	1		Lavatory	N/A		Plumbing underneath is exposed Dispensers not within reach range	- 54.25"	Insulate or otherwise configure pipes to prevent contact at one lavatory. Lower one paper towel dispenser to 44" above the finished floor.	1	445	\$445
25	Women's Toilet Room	1		Lavatory	N/A		Plumbing underneath is exposed Dispensers not within reach range	- 55.25"	Insulate or otherwise configure pipes to prevent contact at one lavatory. Lower one paper towel dispenser to 44" above the finished floor.	1	445	\$445
Toilet Compartment												
26	Men's Toilet Room	1		Toilet Compartment	Accessible Compartment		Door has non-compliant hardware Door has malfunctioning self-closing hinge	- -	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist. Repair hinge.	1	70 Labor	\$70
27	Women's Toilet Room	1		Toilet Compartment	Accessible Compartment		Door has non-compliant hardware Door has malfunctioning self-closing hinge	- -	Provide hardware that can be operable with one hand and not require tight grasping, pinching, or twisting of the wrist. Repair hinge.	1	70 Labor	\$70
28	Men's Toilet Room	1		Toilet Compartment	Accessible Compartment		Flush control not on open side	-	Provide the flush control on the open side of the toilet (transfer side).	1	374	\$374

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29	Women's Toilet Room	1		Toilet Compartment	Accessible Compartment		Flush control not on open side	-	Provide the flush control on the open side of the toilet (transfer side).	1	374	\$374
30	Women's Toilet Room	1		Toilet Compartment	Accessible Compartment		Clearance at toilet < 60" clear width	-	Provide a wheelchair accessible compartment that is 60" wide min.	1	6182	\$6182
Best Practice												
31	Exit 2 Exterior Route	Ext.			-			-	Recommend providing a guardrail alongside path.	1	-	\$0